







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.



At JAZ, we work as a team and we share the same vision of being a company that offers various 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

At JAZ we adapt to changes through the increasing our knowledge and the generation of new opportunities. To accomplish this objective, we work systematically in the following 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 products for industrial supplies, metal fabricators and professional contractors.

Technical Brushes:

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







Global

At JAZ we export most of our production to 65 countries worldwide with special activity in the USA where we operate through our subsidiary JAZ BRUSH USA INC., located in New Bedford, MA, that supplies our customers in the USA and CANADA.







Innovation

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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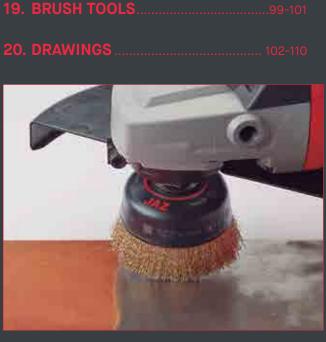
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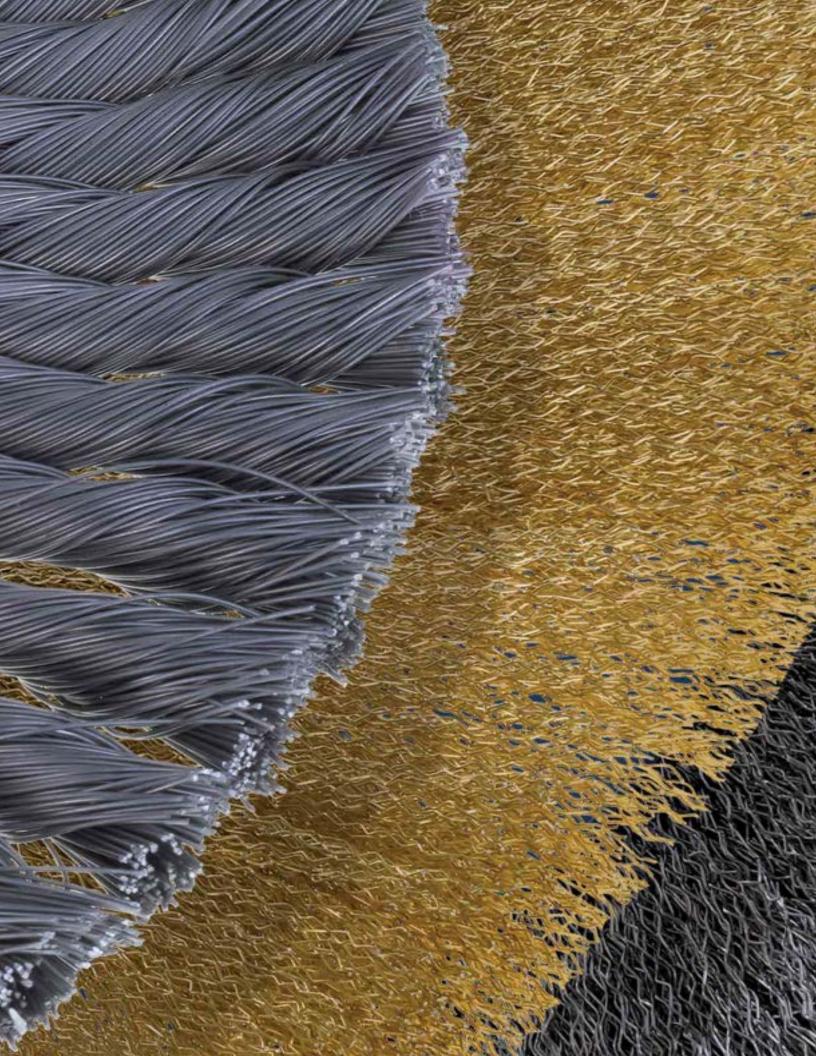
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Abrasive Nylon Cup Brushes







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, significantly reducing their working life. If you need a higher removal capacity, instead of using more pressure on the brush, we suggest the following:

- Use a more aggressive brush: A brush with a thicker wire, with less trim length or a twisted knot wire brush vs. a crimped wire brush.
- Increase the brushes surface speed by using a higher RPM rated brush or a larger brush diameter. NOTE: NEVER exceed the Maximum Safety Speed (MAX RPM) rating of the brush.

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 catalog.
 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.









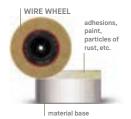




Tool/Machine	Most Common Product	Model	Diameter
Bench/Pedestal Grinder	Crimped & Knotted Wheel	CT, CU, CAM, CCA, DNA, CTP, CDO	3" to 14"
	Crimped & Twist Knot Wheels	CT,CCA,CTP,CAM,CPL	5" to 7"
Crimped & Twist Knot Wheels	Crimped & Twist Knot Cups	TO,TOG,TCA,TCAG,TOP,TT,TTG,TTP,T- NA,CCT,CCO	3-1/4" to 6"
	Flap Disc	FD	5" to 7"
	High Speed Crimped & Twist Knot Cups	HSC,HSCG,HSCP,HST,HSTG,HSTP,H- CA,HCAG,HSD,HSK	2-3/4" to 4-1/2"
Mini Right-Angle Grinder	High Speed Crimped & Twist Knot Wheels	HSP,HSR,CPL,HSRP	4" to 4-1/2"
	Flap Discs	FD	4" to 4-1/2"
	Wheels & End Brushes	CDO,CDE,ENC,CAM,BA,BB,BC,B- D,BH,BI,BF,BR,BEC	1/2" to 4"
Die-Grinder/High Speed Pencil Grinder	Flap Wheels	FW	3/4" to 3"
	Wheels & End Brushes with Shank	BDER,BTE,BBC,BDOR,CNA,CAE	1" to 3"
Drill	Tube Brushes	ТВ	1/8" to 1-1/4"
ndustrial Machine	Wheels & End Brushes without Shank, Crimped, Knotted & abrasive nylon	CUCB-BCSE-CA-CCM-SPECIAL BRUSHES	



WIRE TYPE, DIAMETER AND LENGTH





Wire Brushes vs. Bonded & Coated 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 bonded and coated abrasive products, 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 cannot.

The selection of the right type of brush depends on the type of finishing required (fine or coarse), and the type of the surface material 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, & 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. Nylon brushes have the flexibility of crimped wire and offers a smoother finishing.

Wire Diameter and Characteristics of 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.

Peripherical 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/i	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	А
	0,15	.006	В
	0,20	.008	С
	0,25	.010	D
	0,30	.012	Е
Brass Coated Steel	0,35	.014	F
Oteel	0,40	.016	G
	0,50	.020	Н
	12x0,23	12x.009	#
	6 x 0,353 + 3 x 0,20	6 x .014 + 3 x .008	@
	0,15	.006	М
	0,20	.008	N
Stainless Steel	0,30	.012	Z
Stalliless Steel	0,40	.016	Р
	0,50	.020	Q
	7 x 0,35	7 x.013	@Z
	0,08	.003	U
Brass	0,30	.012	V
	0,40	.016	Χ
	0,37	.015	J
Grey Steel	0,50	.020	K
	0,80	.032	L
German Silver	0,08	.003	0
Flat Steel	0,90 x 0.50	.035 x .020	Т
Galvanized Steel	0,43	.017	S
Laminated Wire	3 x 0,20 + 6 x 0,35	3 x .008 + 6 x .014	W
Lammated wife	0,50	.020	Υ

n		Ø Brush d ₁ [mm]													
													200		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										

Conversion Table mm/"									
Ø Bi	rush		Ø Wire						
mm									
25	1′′	0,08	0,003′′	44					
50,8	2"	0,1	0,004′′	42					
76,2	3′′	0,12	40						
101,6	4′′	0,15	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	0,5 0,02**						
279,4	11"	0,8	0,0315′′	21					



Example
Brush diameter d₁=150mm
R.P.M.: 3,000 r.p.m
Cutting Speed: 24m/s

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

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

KEY APPLICATONS FOR 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.

MAIN ACTIONS TO BE TAKEN WITH BRUSHES



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 MEDIUM FINE SUPER FINE NEUTRAL	W1 W2 W3 W4 W5	NA1 NA2 NA3 NA4 NA5	SP1 SP2 SP3 SP4 SP5	P1 P2 P3 P4 P5	SW1 SW2 SW3 SW4 SW5	1 2 3 4 5	1 2 3 4 5				



SURFACE MATERIAL

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.



ANTI-SPARKING

We consider Anti-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 (0.003").

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.

Material you are working on/Surface to be treated











Steel

Stainless / aluminum

Non-sparking

Wood

others

Power tool being used





Grinder



Mini-Grinder





Die-Grinder



Wood Portable Machine











By hand

Type of application



Cleaning





Surface preparation



Deburring







Finishing



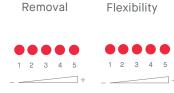
Polishing



Sweeping

Surface finish required

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



FILL MATERIALS



Carbon Steel

Suitable for twist-knotted brushes and a high removal capacity. Non suitable for stainless steel surfaces. Traction resistance 200-275 Kg/mm2. 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.



Brass Coated Steel

High Performance and flexibility. Anti-corrosion material. Suitable for a large range of finishing. Traction resistance 230-250 Kg/mm2. 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: $6 \times 0.23 - 12 \times 0.23 - (3 \times 0.20) + (6 \times 0.35)$.



Stainless Steel

These wires are used for the brushing of stainless steel, aluminum or non ferrous metal surfaces. Stainless steel turned into wire becomes lightly magnetic.

Traction resistance 160-180 Kg/mm2 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 3016-L regulations and stainless steel cable 7 x 0.35.



High Performance Cable-Crimped Wire

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.



JAZ PLUS

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.

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	-20 +110	3 %														High quality abrasive fibers silicon carbide (CASI).Aluminum 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	Increase trim length.Decrease wire diameter.Work at lower speed.							
Finish too coarse	Increase trim length.Decrease wire diameter.Choose a nylon abrasive brush.							
Action of brush is not uniform	Decrease brushing pressure.Decrease wire diameter.Work at lower speed.							
Life of the brush is too short	Decrease wire diameter.Increase brush diameter.Decrease brushing pressure.							



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.

ENGINEERED BRUSH 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 0.003" and 0.0032", 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 **markets** 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

..







TWIST KNOT WHEELS WITH ARBOR HOLE WIRE BRUSHES

Knot wire wheels with plain arbor holes are designed and manufactured for die grinders, bench and pedestal grinders or fixed stationary machines used in various production applications. The twist knot design covers larger surface areas and perfect for heavy-duty cleaning applications while offering flexibility. JAZ offers a wide range of single section, double section and four section wheels depending on your application needs. Available in carbon steel and 302 stainless steel.

ACTION

TOOL

SURFACE

FINISHING

REMOVAL

FI FXIBILITY

CAM Standard Twist Knot Wheel - Single Section

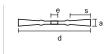
















See p. 68-70

Some of these items are available in 316 Stainless Steel and in Brass.

5: (1)	No.	Knot	Trim	Arbor	Carbon Steel		302 Stainless Steel		Max.	Std.
Dia. (d)	of Knots	Width (a)	Length (s)	Hole (e)	.014"	.020"	.014"	.020"	RPM	Pkg.
3"	20	3/8"	5/8"	1/2"-3/8"	39069 B	39059 B	39099 B	39089 B	20,000	1/6
4"	20	1/2"	3/4"	1/2"-3/8"	31069 B	31058 B	31099 B	31088 B	20,000	1/6
6"	24	1/2"	1-3/8"	5/8"-1/2"	33066	33056	33096	33086	12,500	1
7"	24	1/2"	1-3/4"	5/8"		34057			8,500	1
8"	40	1/2"	1-1/8"	5/8"-1/2"		35056			4,500	1
8"	40	1/2"	1-1/8"	5/8"		35057		35087	4,500	1
8"	40	3/4"	1-1/8"	1-1/4"				35089▲	4,500	1
8"	42	1/2"	1-1/8"	5/8"-1/2"		35157			4,500	1
10"	52	1/2"	1-1/2"	1-1/4"	37169▲	37159▲			4,500	1
10"	70	1/2"	1-1/2"	1-1/4"		37859▲			4,500	1
12"	56	1/2"	2-1/2"	1-1/4"	38169■				4,500	1
12"	56	1/2"	2-1/2"	2"	38168■	38159■			4,500	1

Brushes that are available in BULK packaging are marked with a B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

CAM Standard Twist Knot Wheel - Large Diameter & Heavy Duty





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





Dia. (d)		Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel	Max.	Std.		
					.012"	.016"	.020"	RPM	Pkg.
14"	80	1/2"	2-1/2"	1-1/4"	30179▲	30169▲	30159▲	4,500	5
14"	80	1/2"	2-1/2"	2"			30150▲	4,500	5

▲ 5/16" x 5/32" Double Keyway

Standard Twist Knot Wheels - Two Section & Four Section







ACTION SURFACE TOOL FINISHING REMOVAL



Two section and four section wheels offer a wider brush face for heavy-duty cleaning action. Ideal for automated cleaning applications such as O.D. of drill pipe. Can be stacked together to achieve an even wider face width.

Dia. (d)	No. of Knots	No. of Sections	Face Width (a)	Trim Length (s)	Arbor	Carbon Steel		Max.	Std.
					Hole (e)	.014"	.020"	RPM	Pkg.
8"	80	Two	1"	1-1/8"	2"	35269		4,500	1
10"	104	Two	1-1/4"	1-1/2"	2"		37259	4,500	1
10"	208	Four	1-3/4"	1-1/2"	2"		37459	4,500	1
12"	112	Two	1-1/4"	2-1/2"	2"	38269		4,500	1

CA Twist Knot Wheel Elements











Twist knot wheel elements are specifically designed for applications where multiple wheels are required to be stacked on a shaft offering a wide face. Ideal for the removal of coatings at the end of pipes used in the oil & gas industry.

	No. of	Knot Width (a)	Trim Length (s)	Arbor	Double Key	Carbon Steel	Carbon Steel		
Dia. (d)	Knots			Hole (e)	Way (e)	.020"	.032"	RPM	Pkg.
10"	52	1/2"	2"	2"	1/2" x 1/4"	CA 82552K51	CA 82552L51	4,500	10
12"	80	1/2"	2"	2"	1/2" x 1/4"	CA 73080K51	CA 73080L51	4,500	5
14"	80	1/2"	3-1/8"	2"	1/2" x 1/4"	CA 73580K51	CA 73580L51	4,500	5
14"	80	1/2"	3-1/8"	2"	3/4" x 3/4"	CA 83580K83	CA 83580L83	4,500	5
14"	80	1/2"	3-1/8"	3-1/4"	3/4" x 3/4"	CA 73580K83	CA 73580L83	4,500	5
16"	80	1/2"	4"	3-1/4"	3/4" x 3/4"	CA 84080K83	CA 84080L83	4,500	5
19"	96	1/2"	3-3/4"	3-1/4"	3/4" x 3/4"	CA 84896K83	CA 84896L83	4,500	5

Contact a JAZ sales specialist for additional CA wheel element diameters and configurations.

CAM Joint Crack Cleaning Wheel







Made with a narrow knot that is designed and used to clean expansion joints on concrete surfaces.

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .035"	Max. RPM	Std. Pkg.
12"	40	3/8"	3-1/4"	1" (3/8" Pin Hole)	38199	4,500	2





KNOT WIRE WHEELS WITH THREADED NUT **WIRE BRUSHES**

Twist knot wire wheels with a threaded nut are designed and manufactured to be used on right angle grinders for various heavy-duty cleaning applications and weld cleaning. The twist knot design covers larger surface areas and perfect for heavy-duty cleaning applications while offering flexibility on welds and surfaces. JAZ offers a wide range of standard twist knot wheels depending on your application needs. Available in carbon steel and 302 stainless steel.

CAM Standard Twist Knot Wheels











FLEXIBILITY







BRASS See p. 68-70

33152

Some of these items are available in 316 Stainless Steel and in Brass.

(1)	No.	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Stee	ļ	302 Stainles	s Steel	Max.	Std.
Dia. (d)	of Knots				.014"	.020"	.014"	.020"	RPM	Pkg.
4"	20	1/2"	3/4"	5/8"-11 & M14		31050		31080	20,000	1
4"	20	1/2"	3/4"	5/8"-11	31062 B	31052 B	31092 B	31082 B	20,000	1/6
4"	20	1/2"	3/4"	M10x1.25/1.50		31051 B		31081 B	20,000	1/6
4-1/2"	20	1/2"	1"	5/8"-11 & M14		78050		78080	20,000	1
4-1/2"	20	1/2'	1"	5/8"-11	78062 B	78052 B	78092 B	78082 B	20,000	1/6
4-1/2"	20	1/2'	1"	1/2"-13		78053 B		78083 B	20,000	6
5"	22	1/2'	1"	5/8"-11		32052 B		32082 B	12,500	1/6
6"	24	3/8"	1-3/8"	5/8"-11	33062	33052 B	33092	33082 B	12,500	1/10
6"	24	1/2"	1-3/8"	5/8"-11		33152 B			12,500	10
7"	24	3/8"	1-3/4"	5/8"-11		34052			8,500	1

JAZ PRO Standard Twist Knot Wheels

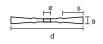


Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for aggressive and heavy duty cleaning applications on welds and surfaces.



ACTION SURFACE TOOL FINISHING REMOVAL **FLEXIBILITY**





78042

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	20	1/2"	1"	5/8"-11	78042 B	15,000	10
6"	24	1/2"	1-3/8"	5/8"-11	33042 B	12,500	10

Brushes that are available in BULK packaging are marked with a B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

HSK Twist Knot Bevel Brushes

Bevel or saucer style knot brushes provide aggressive cleaning action in corners and hard to reach areas.





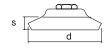


ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY











Dia. (d)	Knot Width (a)	Trim Length (s)	Arbor	Steel		Stainless	Max.	Std.
			Hole (e)	.014"	.020"	.020"	RPM	Pkg.
4"	3/8"	7/8"	5/8"-11		74050	74080	15,000	1
4-1/2"	3/8"	1-1/8"	5/8"-11	76062 B	76052 B	74182 B	12,500	1/10

Brushes that are available in BULK packaging are marked with a **B** in this catalog.

To order brushes in bulk, please add a **B** to the end of the part number.

ADP 5/8"-11 Thread Adapters

Metal thread adapters to convert a 5/8"-11 thread to other smaller threads. The JAZ MULTI M10 will fit both M10x1.25 & M10x1.50 threads.



Fits Thread Size	Adapts To Thread Size	Item Number	Std. Pkg.
5/8"-11	M10 x 1.25 & M10 x 1.50	99001	5
5/8"-11	3/8"-24	99009	5



CAM Twist Knot Wire Wheels - With 1/4" Shank



Equipped with a ¼" shank these brushes are ideal brushes to be used on high-speed die grinders for heavy duty cleaning and removal. Available in carbon steel and 302 stainless steel.









Dia. (d)	No.	Knot Width (a)	Trim	Carbon Steel		302 Stainless Steel		Max.	Std.
	of Knots		Length (s)	.014"	.020"	.014"	.020"		Pkg.
3"	20	3/8"	5/8"	39068 B	39058 B	39098 B	39088 B	25,000	1/6
4"	20	1/2"	1/2"	31068 B	31059 B	31098 B	31089 B	25,000	1/6

Brushes that are available in BULK packaging are marked with a **B** in this catalog.

To order brushes in bulk, please add a **B** to the end of the part number.



JAZ's stringer bead wheels are the most aggressive cutting action brushes for the pipeline and construction industry. Our individually knot hole construction and narrow face is perfectly designed for the best performance and balance for the end user. JAZ offers a wide range of stringer bead wheels including our BEST performance PIPELINE 76ER™, PIPELINE 56ER™ and PIPELINE 36ER™ series wheels. Available in carbon steel and 302 stainless steel.

CPL High Performance Stringer Bead Wheels

PIPELINE 76ER™, PIPELINE 56ER™ and PIPELINE 36ER™ high performance stringer bead wheels are engineered to offer the best performance and most aggressive cleaning action.









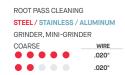


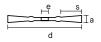
43562 PIPELINE 56ER™



48362 **PIPELINE 36ER™**













Some of these items are available in 316 Stainless Steel.

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	302 Stainless Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	36	3/16"	3/4"	5/8"-11	48362 B	48382 B	20,000	1/6
6"	56	3/16"	1-3/8"	5/8"-11	43562 B	43582 B	12,500	1/10
7"	76	3/16"	1-1/8"	5/8"-11	44762 B	44782 B	9,000	1/10

CPL Stringer Bead Wheels



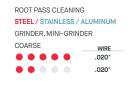
JAZ's original stringer bead wheels offer great performance for weld cleaning brushes. Optimal for cleaning root passes and hard to reach areas.

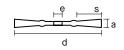




41052

ACTION SURFACE TOOL FINISHING









Some of these items are available in 316 Stainless Steel.

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel	302 Stainless Steel	Max. RPM	Std. Pkg.
4"	32	3/16"	3/4"	5/8"-11 & M14x2.0	41050	41080	20,000	1
4"	32	3/16"	3/4"	M10 x 1.25 & M10 x 1.50	41051	41081	20,000	1
4"	32	3/16"	3/4"	5/8"-11	41052 B	41082 B	20,000	1/6
4"	32	3/16"	3/4"	3/8"-24	41059 B	41089 B	20,000	6
4-1/2"	32	3/16"	1-1/8"	5/8"-11 & M14 x 2.0	48050	48080	20,000	1
4-1/2"	32	3/16"	1-1/8"	5/8"-11	48052 B	48082 B	20,000	1/6
4-1/2"	32	3/16"	1-1/8"	7/8"	48058 B	48088 B	20,000	6
5"	32	3/16"	1-5/8"	5/8"-11	42052 B	42082 B	12,500	1/6
5"	38	3/16"	1-5/8"	5/8"-11	42552 B	42582 B	12,500	1/10
5"	38	3/16"	1-5/8"	5/8"-11	42558 B	42588 B	12,500	6
6"	50	3/16"	1-3/8"	5/8"-11	43152 B	43182 B	12,500	1/10
6"	50	3/16"	1-3/8"	7/8"	43158 B	43188 B	12,500	15
7"	56	3/16"	1-1/8"	5/8"-11	44252 B	44282 B	9,000	1/10
7"	56	3/16"	1-1/8"	7/8"	44258 B	44288 B	9,000	15
9"	76	3/16"	2-1/8"	5/8"-11	44962 B	44982 B	6,000	6

CAP Cap Pass Weld Cleaning Wheels

Grindo Grindo

CAP pass weld cleaning brushes are made with 3/8" wide knots that are ideal for cleaning cap pass welds and demanding surface cleaning applications.

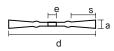






ACTION SURFACE TOOL FINISHING





Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	302 Stainless Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	20	3/8"	1"	5/8"-11	78052 B	78082 B	20,000	1/6
6"	38	3/8"	1-1/8"	5/8"-11	43852 B	43882 B	12,500	10
7"	50	3/8"	1-1/8"	5/8"-11	44852 B		9,000	10
9"	50	3/8"	2-1/8"	5/8"-11	46852 <mark>B</mark>	46882 B	6,000	6

Brushes that are available in BULK packaging are marked with a B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

CPL Double Hub 2 Stringer Bead Wheels

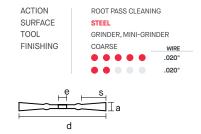


JAZ's double hub stringer bead wheels are equipped with our reversible 5/8"-11 threaded nut offering better performance for weld cleaning brushes. Optimal for cleaning root passes and hard to reach areas.









Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel	Max. RPM	Std. Pkg.
4-1/2"	36	3/16"	1-1/8"	5/8"-11 2	48364 B	20,000	6
6"	56	3/16"	1-3/8"	5/8"-11 0	43564 B	12,500	6
6-7/8"	76	3/16"	1-1/8"	5/8"-11 2	44764 B	9,000	6
9"	76	3/16"	2-1/8"	5/8"-11 2	44964 B	6,000	6

JAZ PRO Stringer Bead Wheels



Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for aggressive and heavy-duty cleaning applications such as root passes and hard to reach areas.





Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	302 Stainless Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	32	3/16"	1-1/8"	5/8"-11	48042 B	48022 B	20,000	1/10
6"	50	3/16"	1-3/8"	5/8"-11	43132 B		12,500	10
6-7/8"	56	3/16"	1-1/8"	5/8"-11	44242 B		9,000	10
6-7/8"	56	3/16"	1-1/8"	5/8"-11 2	44244 B		9,000	6

CPL Encapsulated Weld Cleaning Wheels



Encapsulated weld cleaning wheels offer a controlled brushing action and longer life. Great for cleaning root and hot pass welds.







Dia.(d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	3/16"	1"	5/8"-11	48392 B	20,000	6
6"	3/16"	1-3/8"	5/8"-11	43192 B	12,500	10
6-7/8"	3/16"	1-1/8"	5/8"-11	44792 B	9,000	10

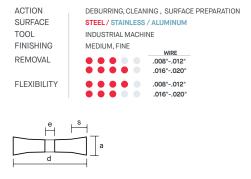


CT Crimped Wire Wheels - Narrow Face



Crimped wire wheels with plain arbor holes are designed and manufactured for bench and pedestal grinders or fixed stationary machines used in various production applications. These brushes are perfect for light to medium-duty cleaning applications while offering flexibility such as deburring, removing paint, rust, or any other surface adherences. JAZ offers a wide range of narrow, medium, and wide face wheels depending on your application needs. Available in carbon steel, 302 stainless steel, high performance cable-crimped and brass wires in a variety of wire diameters.





MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



See p. 68-70
Some of these items are available in Brass

BRASS

- · · · ·	Face	Trim	Arbor	Carbon Ste	eel			302 Stainle	ess Steel	Max.	Std.
Dia. (d)	Width (a)	Length (s)	Hole (e)	.008"	.012"	.016"	.020"	.008"	.012"	RPM	Pkg.
4"	1/2"	11/16"	MULTI	21380	21300	21350	21310	21340	21330	6,500	1
4"	9/16"	11/16"	MULTI	21480	21400	21450	21410	21440	21430	6,500	1
4"	5/8"	11/16"	MULTI	21580	21500	21550	21510	21540	21530	6,500	1
5"	1/2"	1-5/32"	MULTI	22380	22300	22350	22310	22340	22330	6,500	1
5"	5/8"	1-5/32"	MULTI	22480	22400	22450	22410	22440	22430	6,500	1
6"	5/8"	1-1/8"	MULTI	23480	23400	23450	23410	23440	23430	6,500	1
6"	3/4"	1-1/8"	MULTI	23580	23500	23550		23540	23530	6,500	1
7"	11/16"	1-5/8"	MULTI	24480	24400	24450	24410	24440	24430	6,500	1
7"	3/4"	1-5/8"	MULTI	24580	24500	24550		24540	24530	6,500	1
8"	11/16"	1-5/8"	MULTI	25480	25400	25450	25410	25440	25430	6,000	1
8"	3/4"	1-5/8"	MULTI	25580	25500	25550		25540	25530	6,000	1

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







CCA HP Cable Crimped Wire Wheels - Medium & Wide Face



Cable-crimped wire design allows greater flexibility during use and 50% longer life than industry standard crimped wire wheels. These brushes are made of groups brass coated steel wires bundled together then they are crimped. Cable-crimped brushes can be used on the same applications where a standard crimped wire brush is needed.



The advantages of the Cable Crimped Wire are:

Performance

Provides for a 50% longer lasting brush, due to a higher degree of resistance to flexing fatigue, which is a main reason for wire breakage

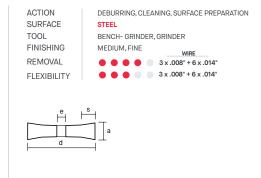
Flexibility

Ability to adapt to irregular surfaces, and an excellent shape recovery of the wire, which prevents strain

Safety

Cable crimped wire reduces and in many cases, eliminates the breakage caused by flexing fatigue. This means the wires break off in much smaller pieces making it a safer wire to use in the work area.

Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	HP Cable Crimped Carbon Steel 3 x .008" + 6 x .014"	Max. RPM	Std. Pkg.
6"	3/4"	1-1/8"	MULTI	23510	6,500	1
6"	1-1/4"	1-1/8"	MULTI	23990	6,500	1
7"	3/4"	1-5/8"	MULTI	24510	6,500	1
7"	1-1/4"	1-5/8"	MULTI	24990	6,500	1
8"	3/4"	1-5/8"	MULTI	25510	6,000	1
8"	1-3/8"	1-5/8"	MULTI	25990	6,000	1
10"	1"	2-5/8"	MULTI	20590	3,600	1
10"	1-1/2"	2-5/8"	MULTI	20990	3,600	1



MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



CT Crimped Wire Wheels - Medium Face

Flexible cleaning action on the workpiece and designed for light-duty cleaning and removal with a wider face and denser fill.

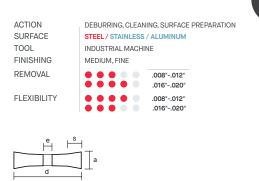








Some of these items are available in Brass.



MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



5: (1)	Face	Trim	Arbor	Carbon Ste	eel			302 Stainle	ess Steel	Max.	Std.
Dia. (d)	Width (a)	Length (s)	Hole (e)	.008"	.012"	.016"	.020"	.008"	.012"	RPM	Pkg.
4"	7/8"	11/16"	MULTI	21780	21700	21750	21710	21740	21730	6,500	1
4"	9/16"	11/16"	MULTI	21480	21400	21450	21410	21440	21430	6,500	1
4"	5/8"	11/16"	MULTI	21580	21500	21550	21510	21540	21530	6,500	1
5"	1/2"	1-5/32"	MULTI	22380	22300	22350	22310	22340	22330	6,500	1
5"	3/4"	1-5/32"	MULTI	22580	22500	22550	22510	22540	22530	6,500	1
6"	1"	1-1/8"	MULTI	23780	23700	23750	23710	23740	23730	6,500	1
7"	1-1/16"	1-5/8"	MULTI	24780	24700	24750	24710	24740	24730	6,500	1
8"	1"	1-5/8"	MULTI	25680	25600	25650	25610	25640	25630	6,000	1
10"	1"	2-5/8"	MULTI	27580	27500	27550	27510	27540	27530	3,600	1
10"	1-1/8"	2-5/8"	MULTI	27680	27600	27650	27610	27640	27630	3,600	1
12"	7/8"	3-5/8"	MULTI	29480	29400	29450	29410	29440	29430	3,000	1
12"	1"	3-5/8"	MULTI	29580	29500	29550	29510	29540	29530	3,000	1
14"	7/8"	4-5/8"	MULTI	20480	20400	20450	20410	20440	20430	2,400	1
14"	1-1/16"	4-5/8"	MULTI	20580	20500	20550	20510	20540	20530	2,400	1

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







.016"-.020"

CT Crimped Wire Wheels - Wide Face

Flexible cleaning action on the workpiece and designed for light-medium duty cleaning and removal covering a wider area.



ACTION
SURFACE
STEEL/STAINLESS/ALUMINUM
TOOL
INDUSTRIAL MACHINE
FINISHING
REMOVAL

DEBURRING, CLEANING, SURFACE PREPARATION
STEEL/STAINLESS/ALUMINUM
INDUSTRIAL MACHINE
MEDIUM, FINE

.008*-.012*
.016*-.020*

FLEXIBILITY
.008*-.012*









27900

MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



Some of these items are available in Brass.

5: (1)	Face	Trim	Arbor	Carbon Ste	el			302 Stainle	ess Steel	Max.	Std.
Dia. (d)	Width (a)	Length (s)	Hole (e)	.008"	.012"	.016"	.020"	.008"	.012"	RPM	Pkg.
5"	1"	1-5/32"	MULTI	22780	22700	22750	22710	22740	22730	6,500	1
6"	1-1/4"	1-1/8"	MULTI	23980	23900	23950	23910	23940	23930	6,500	1
7"	1-1/4"	1-5/8"	MULTI	24980	24900	24950	24910	24940	24930	6,500	1
8"	1-1/16"	1-5/8"	MULTI	25780	25700	25750	25710	25740	25730	6,000	1
8"	1-3/8"	1-5/8"	MULTI	25980	25900	25950	25910	25940	25930	6,000	1
10"	1-3/8"	2-5/8"	MULTI	27780	27700	27750	27710	27740	27730	3,600	1
10"	1-1/2"	2-5/8"	MULTI	27980	27900	27950	27910	27940	27930	3,600	1
12"	1-3/4"	3-5/8"	MULTI	29680	29600	29650	29610	29640	29630	3,000	1
12"	1-3/8"	3-5/8"	MULTI	29780	29700	29750	29710	29740	29730	3,000	1
12"	1-1/2"	3-5/8"	MULTI	29980	29900	29950	29910	29940	29930	3,000	1
14"	1-1/4"	4-5/8"	MULTI	20680	20600	20650	20610	20640	20630	2,400	1
14"	1-1/2"	4-5/8"	MULTI	20780	20700	20750	20710	20740	20730	2,400	1
14"	1-5/8"	4-5/8"	MULTI	20980	20900	20950	20910	20940	20930	2,400	1

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







CTP JAZ PLUS Crimped Wire Wheels





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 pricks to the user.

Distinctive appearance

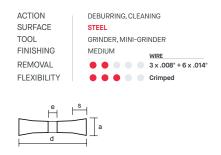
The plastic cover can be presented in several colors giving a customized and distinctive appearance comparing to traditional wire brushes.

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.



MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



Dia. (d)	Face	Trim	Arbor	JAZ PLUS Carbon Steel	Max.	Std.
	Width (a)	Length (s)	Hole (e)	3 x .008" + 6 x .014"	RPM	Pkg.
6"	1-1/8"	3/4"	Multi	23520	6,500	1

CUCB Roller Brushes



Wire brushes manufactured in a block of high density and a perfect balance. The CUCB brushes are perfect for deburring pipe and tubes on automated deburring machines such as ADIGE type-RSA-Pedrazzoli etc. Burmaster.

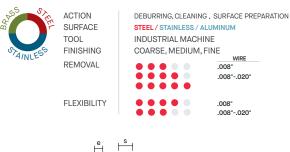
Technical Specifications

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





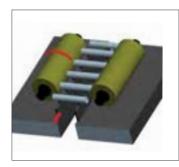
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See construction drawing on page 104

Outside diameter	Face	Trim Length	Carbon Stee	I	Oabic		302 Stainless Steel		R.P.M.
(d)	Width (a)	(s)	.008"	.020"	Crimped	.008"	.020"	Steel	Max.
10"	12"	1.3/8"	CUCB92524C	CUCB92524H	CUCB92524@	CUCB92524N	CUCB92524Q	CUCB92524@Z	3.600
10"	18"	1.3/8"	CUCB92536C	CUCB92536H	CUCB92536@	CUCB92536N	CUCB92536Q	CUCB92536@Z	3.600
10"	24"	1.3/8"	CUCB92548C	CUCB92548H	CUCB92548@	CUCB92548N	CUCB92548Q	CUCB92548@Z	3.600
12"	12"	2.3/8"	CUCB93024C	CUCB93024H	CUCB93024@	CUCB93024N	CUCB93024Q	CUCB93024@Z	3.600
12"	18"	2.3/8"	CUCB93036C	CUCB93036H	CUCB93036@	CUCB93036N	CUCB93036Q	CUCB93036@Z	3.600
12"	24"	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 (In.)	2" x 1/2" x 1/4"	3.1/8" x 7/8" x 1/4"	3.1/4" x 7/8" x 1/4"	4.11/32"
Plain	BxAxC	BxAxC	BxAxC	В









CDO Industrial Wheel Brush - with Arbor Hole

Technical Specifications

Arbor hole diameter: 1/4"-5/8"

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.



ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY







	Dia. (d)	Wire Size	Arbor Hole (e)	Trim Length (s)	Face Width (a)	Carbon Steel	302 Stainless Steel	R.P.M. Max.
	1"	.005"	1/4"	1/4"	3/16"		01361	20,000
	1"	.006"	1/4"	1/4"	3/16"	01321		20,000
	1-1/4"	.006"	1/4"	3/8"	1/4"	02211	02271	20,000
	1-1/4"	.008"	3/8"	5/16"	1/4"	02322		20,000
	1-3/8"	.006"	1/4"	3/8"	1/4"	03211		20,000
	1-3/8"	.008"	1/4"	3/8"	1/4"	03221		20,000
	1-3/8"	.008"	3/8"	3/8"	1/4"	03222		20,000
	1-3/8"	.0104"	1/4"	3/8"	1/4"	03231		20,000
	1-1/2"	.006"	3/8"	7/16"	1/4"	04412	04462	20,000
	1-1/2"	.008"	3/8"	7/16"	1/4"	04422	04472	20,000
	1-1/2"	.008"	1/2"	1/4"	1/4"	04353		20,000
	1-1/2"	.0104"	3/8"	7/16"	1/4"	04432		20,000
	1-1/2"	.0118"	3/8"	7/16"	1/4"	04442		20,000
	1-1/2"	.014"	3/8"	7/16"	1/4"	04452		20,000
	2"	.005"	1/2"	1/2"	3/8"		05766	20,000
	2"	.006"	1/2"	1/2"	3/8"	05613		20,000
	2"	.008"	1/2"	1/2"	3/8"	05423	05773	20,000
	2"	.0104"	1/2"	1/2"	3/8"	05433	05783	20,000
	2"	.0118"	1/2"-3/8"	1/2"	3/8"	05446	05793	20,000
	2"	.014"	1/2"-3/8"	1/2"	3/8"	05456	05703	20,000
	2-1/2"	.0118"	1/2"-3/8"	3/4"	1/2"	06746	06706	20,000
	2-1/2"	.014"	1/2"-3/8"	3/4"	1/2"	06456		20,000
	2-1/2"	.014"	1/2"	3/4"	1/2"		06703	20,000
	3"	.006"	1/2"	1"	5/8"	07013	07063	20,000
	3"	.006"	5/8"	15/16"	5/8"	07015	07765	20,000
	3"	.008"	1/2"	1"	5/8"	07723	07073	20,000
9	3"	.008"	5/8"	15/16"	5/8"	07025		20,000
	3"	.0104"	1/2"	1"	5/8"	07033		20,000
	3"	.0118"	1/2"-3/8"	1"	5/8"	07046	07096	20,000
	3"	.0118"	5/8"	15/16"	5/8"	07045		20,000
l	3"	.014"	1/2"-3/8"	1"	5/8"	07756	07706	20,000
١	3"	.014"	5/8"	15/16"	5/8"	07755		20,000



CDE Small Industrial Crimped Wheels - with 1/4" Shank

For use with high R.P.M. die-grinders. Removal of rust, paint, scale, edges or any kind of adherence. Inside cleaning of tubes, dies, holes, etc.









95210



95540





REMOVAL

FLEXIBILITY





BRASS NON-SPARKING See p. 68-70

Some of these items are available in 316 Stainless Steel and in Brass.

Dia.	Trim Length	Face	Carbon Ste	eel	302 Stainle	ess Steel	R.P.M.
(d)	(s)	Width (a)	.008"	.012"	.008"	.012"	Max.
1-1/4"	5/32"	3/8"	95210	95200	95240	95230	25,000
1-1/2"	3/8"	5/8"	95320	95300	95340	95330	25,000
2"	7/16"	3/8"	95420	95400	95440	95430	25,000
2-1/2"	3/8"	5/8"	95510	95500	95540	95530	25,000
3"	13/32"	5/8"	95610	95600	95640	95630	25,000
4"	13/32"	5/8"	95710	95700	95740	95730	25,000



HSP Crimped Wheels - with Threaded Nut

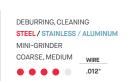
High speed crimped wire wheels with threaded nut are used on small high-speed angle grinders. Offers flexibility on the surface for light-medium duty removal. Available in carbon steel, 302 stainless and 316 grade stainless steel.







ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





78000

Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .012"	302 Stainless Steel .012"	Max. RPM	Std. Pkg.
4-1/2"	3/8"	1"	5/8"-11	78000	78030	13,000	1

ENC Encapsulated Wheels - with Shank



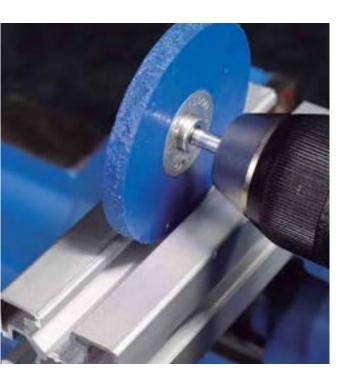
Encapsulated wheel offer a controlled brushing action and longer life compared to a standard crimped wire wheel.











Dia. (d)	Face Width (a)	Carbon Steel .014"	Max. RPM	Std. Pkg.
2-1/2"	1/4"	95570	25,000	12
3"	1/4"	95670	25,000	12



HST & TA Knot Wire Cup Brushes - Single Row

Minico Minico

Knot cup brushes are designed specifically to be used on portable power tools. Their threaded nut allows for quick and easy mounting and is a great brush to cover a large surface area with a high removal capacity. Due to their design knot cup brushes offer medium to heavy-duty removal.









ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY





Dia (d)	Trim	Thread (e)	Carbon Ste	el		302 Stainless Steel		Max.	Std.
Dia. (d)	Length (s)		.014"	.020"	.032"	.014"	.020"	RPM	Pkg.
2-3/4"	3/4"	5/8"-11 & M14 x 2.0	72060	72050		72090	72080	15,000	1
2-3/4"	3/4"	5/8"-11	72062 B	72052 B	72072 B		72082 B	15,000	1/6
2-3/4"	3/4"	M01 x 1.25 & M10 x 1.50	72061	72051 B			72081 B	15,000	1/6
2-3/4"	3/4"	3/8"-24	72069	72059 B			72089	15,000	1/6
3-1/2"	7/8"	5/8"-11	53062 B	53052 B			53082 B	13,000	6
4"	1"	5/8"-11	54162	54152			54182	10,200	1
5"	1"	5/8"-11	55162	55152			55182	6,500	1
6"	1-3/8"	5/8"-11	56062	56052	56092		56082	6,000	1

JAZ PRO Knot Wire Cup Brushes - Single Row

Mini-G

Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for aggressive and heavy duty cleaning applications on larger surfaces





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





72032

Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel .020"	Max. RPM	Std. Pkg.
2-3/4"	3/4"	5/8"-11	72032 B	15,000	10
4"	1"	5/8"-11	54142	10,200	1
6"	1-3/8"	5/8"-11	56142	6,000	1

HSTG & TTG Knot Wire Cup Brushes - with Protective Guard









ACTION SURFACE TOOL FINISHING REMOVAL







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.



Dia (d)	Trim	Thread	Carbon Steel		302 Stainless Steel	Max.	Std.
Dia. (d)	Length (s)	(e)	.014"	.020"	.020"	RPM	Pkg.
2-3/4"	3/4"	5/8"-11 & M14x2.0	72960	72950	72980	15,000	1
2-3/4"	3/4"	5/8"-11 & M14 x 2.0	72961	72951		15,000	1

TT Knot Wire Cup Brushes - Single Row With Metal Bridle



Designed for larger portable grinders these brushes come equipped with a metal bridle that keeps the brush from flaring out excessively. This allows for more wire tips on the surface offering faster and aggressive stock removal. When the wire tips are worn down you can remove the metal bridle to expose more wire trim length for 30% longer life.





REMOVAL FLEXIBILITY





54052

See construction drawing on page 106

Dia. (d)	Trim	Thread (e)	Carbon Steel			302 Stainless Steel		Max.	Std.
	Length (s)		.014"	.020"	.032"	.014"	.020"	RPM	Pkg.
4"	1-1/16"	5/8"-11	54062	54052	54092		54082	10,200	1
5"	1-3/16"	5/8"-11	55062	55052	55092		55082	6,500	1

TT Knot Wire Cup Brushes - Double Row

Gind

Double row offers very aggressive cutting action for heavy-duty cleaning applications.









Dia. (d)	Trim	Thread	Carbon Steel	Carbon Steel		Max.	Std.
	Length (s)	(e)	.014"	.020"	.020"	RPM	Pkg.
4"	1-1/16"	5/8"-11	54262■	54252■	54282■	10,200	1
5"	1-5/32"	5/8"-11	55262■	55252■	55282■	6,500	1
6"	1-3/8"	5/8"-11	56262	56252	56282	6,000	1
6"	1-3/8"	5/8"11		56253▲		6,000	1

- Equipped with a metal ring to prevent wires from excessive flaring and more contact on the surface. Can be removed to provide more wire and longer life
- ▲ Equipped with an internal 5/8"-11 threaded nut

HSTP & TTP JAZ PLUS Twist Knot Cup Brushes







SURFACE TOOL FINISHING REMOVAL FLEXIBILITY

ACTION





Higher Performance

JAZ PLUS brushes are made with a laminated covered carbon steel wire, which helps resist the wires flexing fatigue while working on the surface. This offers a longer lasting brush.

Safer Handling

The laminated covered wires allow for a safer handling brush.

Dia. (d)	Trim Length (s)	Thread (e)	JAZ PLUS Carbon Steel .020"	Max. RPM	Std. Pkg.
2-3/4"	3/4"	5/8"-11	72022 B	15,000	1/6
4"	1-1/8"	5/8"-11	54022	10,200	1

CCT JAZ Twist Knot Control Cup Brushes





57592

ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





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.



Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel .032"	Max. RPM	Std. Pkg.
3-1/4"	1-3/16"	5/8"-11	57592	8,500	1
5"	1-3/16"	5/8"-11	55592	6,500	1



HSC & TO Crimped Cup Brushes



Crimped cup brushes are designed specifically to be used on portable power tools. Their threaded nut allows for quick and easy mounting and is a great brush to cover a large surface area with a light/medium duty removal. Due to their design crimped cup brushes are ideal for uneven surfaces due to their flexibility.





73000









BRASS NON-SPARKING See p. 68-70

Some of these items are available in Brass.



D:- (4)	Trim Threa	Thread	Carbon Steel	Carbon Steel		Max.	Std.
Dia. (d)	Length (s)	(e)	.012"	.020"	.012"	RPM	Pkg.
3"	7/8"	5/8"-11 & M14 x 2.0	73000		73030	14,000	1
3"	7/8"	5/8"-11	73002 B		73032 B	14,000	5
3-1/2"	1-3/16"	5/8"-11	63002	63052	63032	14,000	1
4"	1-3/16"	5/8"-11 & M14 x 2.0	64000	64050	64030	10,200	1
5"	1-1/8"	5/8"-11	65002	65052	65032	9,000	1
6"	1-1/8"	5/8"-11	66002	66052	66032	6,500	1
6"	1-1/8"	5/8"-11		66053▲		6,500	1

Brushes that are available in BULK packaging are marked with a $\bf B$ in this catalog. To order brushes in bulk, please add a $\bf B$ to the end of the part number.

▲ Equipped with an internal 5/8"-11 threaded nut

HCA & TCA High Performance Cable Crimped Cup Brushes

Cable-crimped wire design allows greater flexibility during use and 50% longer life than industry standard crimped cup brushes. These brushes are made of groups brass coated steel wires bundled together then they are crimped. Cable-crimped brushes can be used on the same applications where a standard crimped cup brush is needed.







64010

ACTION
SURFACE
TOOL
FINISHING
REMOVAL
FLEXIBILITY

DEBURRING, C
STEEL
GRINDER, MINI
MEDIUM, FINE





Performance

Provides for a 50% longer lasting brush, due to a higher degree of resistance to flexing fatigue, which is a main reason for wire breakage

Flexibility

Ability to adapt to irregular surfaces, and an excellent shape recovery of the wire, which prevents strain

Safety

Cable crimped wire reduces and in many cases, eliminates the breakage caused by flexing fatigue. This means the wires break off in much smaller pieces making it a safer wire to use in the work area.

Dia. (d)	Trim Length (s)	Arbor Hole (e)	High Performance Cable-Crimped 3 x .008" + 6 x .014"	Max. RPM	Std. Pkg.
3"	7/8"	5/8"-11 & M14 x 2.0	73010	14,000	1
4"	1-3/16"	5/8"-11 & M14 x 2.0	64010	10,200	1
5"	1-3/8"	5/8"-11	65012	9,000	1

CCO JAZ Control Crimped Wire Cup Brushes





ACTION	DEBURRING, CLEANING			
SURFACE	STEEL			
TOOL	GRINDER			
FINISHING	COARSE	WIRE		
REMOVAL	• • • • •	.020"		
FLEXIBILITY	\bullet \bullet \circ \circ	.020"		

Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel	Max. RPM	Std. Pkg.
3-1/4"	1-3/16"	5/8"-11	67552	8,500	1
5"	1-3/16"	5/8"-11	65552	6,500	1

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

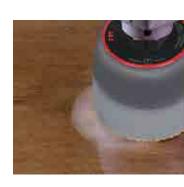
These new JAZ wire brushes avoid wire breakage therefore they offer an outstanding safety improvement over the brushing work. They also provide for a more friendly handling of the brush, protecting end users against potential pricking caused by the wire.

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.



HSCP & TOP JAZ PLUS Crimped Wire Cup Brushes









64022

3022







Dia. (d)	Trim Length (s)	Arbor Hole (e)	Carbon Steel 3 x .008" + 6 x .014"	Max. RPM	Std. Pkg.
3"	7/8"	5/8"-11	73022 B	14,000	6
4"	1-3/16"	5/8"-11	64022	10,200	1

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 pricks to the user.

Distinctive appearance

The plastic cover can be presented in several colors 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.

Brushes that are available in BULK packaging are marked with a B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

IBTC Industrial Crimped Wire Cup Brushes - with 1/4" Shank



Small diameter crimped cup brushes equipped with a 1/4" stem. Crimped wire allows flexibility on the surface and used for fine to medium duty cleaning action.





ACTION DEBURRING, CLEANING, SURFACE PREPFINISHING STEEL / STAINLESS
TOOL DIE-GRINDER
FINISHING MEDIUM/FINE
REMOVAL WIRE
FLEXIBILITY OF OUT ON 12°-.020°



Dia (d)	Trim	Arbor (a)	Carbon Steel		302 Stainless	Steel	Max.	Std.
Dia. (d)	Length (s)	Arbor (e)	.006"	.012"	.006"	.012"	RPM	Pkg.
2"	1"	1/4" Shank	92422	92402	92440	92430	12,000	12
3"	1"	1/4" Shank	92622	92602	92640	92630	12,000	12



BR Twist Knot End Brushes



Used on high speed portable power tools in hard to reach and recessed areas. Come equipped with a 1/4" shank for easy and safe mounting. Available in both twist knot and crimped wire styles in a variety of wire filament and styles for your application needs.







See p. 65-66

Some of these items are available in 316 Stainless Steel.

Dia (d)	(d) Trim Length	Thread	Carbon Steel		302 Stainless Steel		Max.	Std.
Dia. (d)	(s)	(e)	.014"	.020"	.014"	.020"	RPM	Pkg.
1/4"	1-1/8"	1/4" Shank		12050 B			25,000	10
3/4"	3/4"	1/4" Shank	12260 B	12250 B	12290 B	12280 B	25,000	1/10
1"	1"	1/4" Shank	12360 B	12350 B	12590 B	12580 B	25,000	1/10
1-1/8"	1-1/4"	1/4" Shank	12460 B	12450 B	12490 B	12480 B	25,000	1/10

Also available with a protective cap to prevent marking and scratching the surface is available through special order.

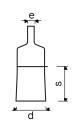
JAZ PRO Twist Knot End Brushes



Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for aggressive and heavy-duty cleaning applications.



ACTION	DEBURRING, CLEANING	
SURFACE	STEEL	
TOOL	DIE-GRINDER	
FINISHING	COARSE, MEDIUM, FINE	
REMOVAL	_	WIRE
KEIVIOVAL		.014"
	• • • •	.020"
		.014"
FLEXIBILITY	\bullet	.020"



Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel .014"	Max. RPM	Std. Pkg.
1"	1"	1/4" Shank	12340 B	25,000	10
1-1/8"	1-1/4"	1/4" Shank	12440 B	25,000	10

BA/BB/BC/BF/BH Crimped End Brushes









BF

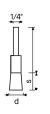




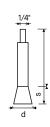


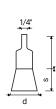


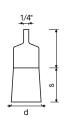
See p. 68-70



ВА











See construction drawing on page 107

Some	of these	items	are av	vailable	in Brass.

Model	Dia. Trim Arbor Length Hole			Carbon Steel		Cable Crimped	302 Stainless Steel			Cable Crimped	Max. RPM	
	(d)	(s)	(e)	.006"	.012"	.020"	12 x .009"	.006"	.012"	.020"	12 x .009"	RPIVI
ВА	1/2"	3/4"	1/4"	13120	13100	13110		13140	13130	13180		25,000
BB	1/2"	3/4"	1/4"	14120	14100	14110		14140	14130	14180		25,000
BC	3/4"	1"	1/4"	14220	14200	14210	19200	14240	14230	14280	19230	25,000
ВС	1"	1-3/16"	1/4"	14320	14300	14310	19300	14340	14330	14380	19330	25,000
BF	1-1/8"	1-5/8"	1/4"	17420	17400	17410		17440	17430	17480		25,000
ВН	1/2"	1"	1/4"	18120	18100	18110		18140	18130	18180		25,000

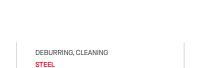
JAZ PRO Crimped End Brushes





14400	

Dia. (d)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .012"	Max. RPM
1"	1-3/16"	1/4"	14400	25,000



SURFACE TOOL DIE-GRINDER FINISHING COARSE, MEDIUM, FINE REMOVAL FLEXIBILITY

ACTION





BD/BI Angle Cut Crimped End Brushes



ВΙ

Angle cut end brushes have a dense fill and designed specifically to reach into corners and hard to reach areas.



Some of these items are available in Brass.

Model	Dia.	Trim	Carbon Steel				302 Stainless Steel				Max.
Model	(d)	Length (s)	.006"	.012"	.016"	.020"	.006"	.012"	.016"	.020"	RPM
BD	3/4"	1-3/16"	15220	15200		15210	15240	15230		15280	25,000
BD	1"	1-3/16"	15320	15300		15310	15340	15330		15380	25,000
ВІ	1/2"	1-3/16"	10120		10100	10110	10140		10130	10180	25,000

BE Round Cut Crimped End Brushes



Round cut end brushes have a dense fill and a rounded cut end for best cleaning of the bottom part of concave shaped surfaces.











Dia. (d)	Trim	Carbon Ste	el		302 Stainle	ess Steel		Max.
	Length (s)	.006"	.016"	.020"	.006"	.016"	.020"	RPM
1"	1-3/16"	16320	16300	16310	16340	16330	16380	25,000

Encapsulated End Brush



Encapsulated end brushes offer a more aggressive controlled brushing action and longer life compared to a standard crimped wire end brushes.









Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel .014"	Max. RPM	Std. Pkg.
1/2"	7/8"	1/4" Shank	13170 B	25,000	10
3/4"	7/8"	1/4" Shank	14270 B	25,000	10
1"	7/8"	1/4" Shank	14370 B	25,000	10



Brushes that are available in BULK packaging are marked with a B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

Pencil End Brush





ACTION SURFACE TOOL FINISHING REMOVAL

DEBURRING, CLEANING

STEEL

DRILL

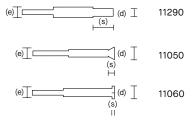
COARSE, MEDIUM

WIRE

.014*
.020*-.032*

11290 / 11050 / 11060

Dia. (d)		Trim	Thread	Carbon	Steel	Max.	Std.	
	Dia. (u)	Length (s)	(e)	.014"	.020"	.032"	RPM	Pkg.
	3/8"	1-1/8"	1/4" Shank			11290	8,000	10
	5/8"	1/4"	1/4" Shank		11050		8,000	10
	5/8"	3/32"	1/4" Shank	11060			8,000	10



BEC Circular Flared End Brushes



Circular flared end brushes equipped with a 1/4" shank that have their wire ends flared open to span and clean a broader surface area.





ACTION SURFACE TOOL FINISHING REMOVAL



Dia (d)	Carbon	Steel		302 Sta	Max.		
Dia. (d)	.008"	.014"	.020"	.008"	.014"	.020"	RPM
1"	11320	11300	11310	11340	11330	11380	25,000
1-1/4"	11720	11700	11710	11740	11730	11780	25,000
1-1/2"	11620	11600	11610	11640	11630	11680	25,000
2"	11520	11500	11510	11540	11530	11580	25,000
2-3/4"	11820	11800	11810	11840	11830	11880	25,000
3"	11920	11900	11910	11940	11930	11980	25,000
4"	11020	11000	11010	11040	11030	11080	25,000



11.316 StainlessSteel Brushes

JAZ offers and stocks a variety of wire brushes made with grade AISI 316 stainless steel. These brushes offer additional corrosion resistance due to its molybdenum chemical content. As a result brushes made with AISI 316 grade stainless steel are better for industries such as marine, petrochemical, medical, food processing and pharmaceutical industries.

CPL Stringer Bead Wheels

Offer aggressive removal capacity with a thinner knot width to reach is slotted areas.

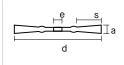












Mini-Gi

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	316 Stainless Steel .020"	Max. RPM	Std. Pkg.
4-1/2"	36	3/16"	1-1/8"	5/8"-11	48316 B	20,000	6
6"	50	3/16"	1-3/8"	5/8"-11	43316 B	12,500	10

CAM Standard Twist Knot Wheels

Offer aggressive removal capacity with a wider knot for demanding cleaning applications.



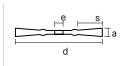






ACTION SURFACE TOOL FINISHING







Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	316 Stainless Steel	Max. RPM	Std. Pkg.
4-1/2"	20	1/2"	1"	5/8"-11	78316 B	20,000	6
6"	24	3/8"	1-3/8"	5/8"-11	33316 B	12.500	10

HST Twist Knot Cup Brushes

Offer aggressive removal capacity for demanding cleaning applications on flat surfaces.







ACTION SURFACE TOOL FINISHING





Dia. (d)	Trim	Arbor	316 Stainless Steel	Max.	Std.
	Length (s)	Hole (e)	.020"	RPM	Pkg.
2-3/4"	3/4"	5/8"-11	72316 B	15,000	6

BR Twist Knot End Brush

Equipped with a 1/4" shank for easy and safe mounting and aggressive removal capacity for recessed areas and various contoured surfaces.



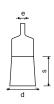






ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBLE





Dia. (d)	Trim Length (s)
1-1/8"	7/8"

Arbor Hole (e)
1/4" Shank

316 Stainless Steel
.020"
12480(316) B

Max.	Std.
RPM	Pkg.
25,000	10

BC Crimped End Brush

Equipped with a 1/4" shank for easy and safe mounting and light-medium removal capacity for recessed areas and various contoured surfaces.









ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBLE





Dia. (d)	Trim Length (s)
1"	1-3/16"



316 Stainless Steel
.012"
14316 B



CDE Crimped Wire Wheel Brush – with 1/4" Shank

Equipped with a 1/4" shank is ideal for light-medium removal offering flexible cleaning action









ACTION
SURFACE
TOOL

REMOVAL
FLEXIBILITY





Dia. (d)	Trim Length (s)	
1-1/4"	5/32"	

Face Width(a)
3/8"

316 Stainless Steel
.012"
95440(316)

Max.	Std.
RPM	Pkg.
25.000	12

MAL / MLB Hand Scratch Brushes





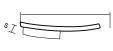












Model	No. of Rows	Block Size (i)	Trim Length (s)	316 Stainless Steel .012"	Std. Pkg.
MAL	3 x 19	14" x 7/8"	1-3/16"	82316	12
MLB	3 x 7	7-1/2" x 1/2"	1/2"	84160	36



NON-SPARKING BRASS BRUSHES **WIRE BRUSHES**

JAZ offers and stocks a variety of wire brushes made with non-sparking brass wire. These brushes offer a softer brushing action for light duty removal applications. Additional brush styles are available through special order.

CT Crimped Wire Wheels - with Arbor Hole

Flexible cleaning action on the workpiece and designed for light-duty cleaning and removal.





Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
4"	9/16"	11/16"	MULTI	21460	6,500	1
5"	1"	1-5/32"	MULTI	22760	6,500	1
6"	3/4"	1-1/8"	MULTI	23560	6,500	1
8"	3/4"	1-5/8"	MULTI	25560	6,000	1



23560



ACTION SURFACE TOOL FINISHING REMOVAL **FLEXIBILIT**

NON-SPARKING INDUSTRIAL MACHINE MEDIUM, FINE .008"-.012"

DEBURRING, CLEANING, SURFACE PREPARATION

.008"-.012" .016"-.020

CAM Standard Twist Knot Wheels

Wider knot for more aggressive cleaning applications.







Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
4-1/2"	1/2"	1"	5/8"-11	78012 B	20,000	6



78012



ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY





HSC / TO Crimped Cup Brushes

Crimped cup brushes are designed specifically to be used on portable power tools. Their threaded nut allows for quick and easy mounting and is a great brush to cover a large surface area with a light-medium duty removal. Due to their design crimped cup brushes are ideal for uneven surfaces due to their flexibility.





Dia. (d)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
3"	7/8"	5/8"-11 & M14 X 2.0	73090	14,000	1
4"	1-3/16"	5/8"-11 & M14 X 2.0	64090	10,200	1
5"	1-1/8"	5/8"-11	65092	9,000	1
6"	1-1/8"	5/8"-11	66092	6,500	1



64090





ACTION	
SURFACE TOOL FINISHING	
REMOVAL	

FLEXIBILITY

DEBURRING, CLEANING, SURFACE PREPARATION NON-SPARKING GRINDER, MINI- GRINDER MEDIUM, FINE



BA/BB/BC/BF/BH Standard Cut Crimped End Brushes



Featuring a standard cut solid end for light-medium duty removal with flexible brushing action.







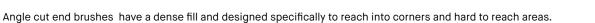


Model	Dia. (d)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
ВА	1/2"	3/4"	1/4" SHANK	13190	25,000	10
ВВ	1/2"	3/4"	1/4" SHANK	14190	25,000	10
ВС	3/4"	1"	1/4" SHANK	14290	25,000	10
ВС	1"	1-3/16"	1/4" SHANK	14390	25,000	10
BF	1-1/8"	1-5/8"	1/4" SHANK	17490	25,000	10
ВН	1/2"	1"	1/4" SHANK	18190	25,000	10

ACTION SURFACE TOOL FINISHING REMOVAL **FLEXIBLE**



BD/BI Angle Cut Crimped End Brushes











Model	Dia. (d)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
BD	3/4"	1-3/16"	1/4" SHANK	15290	25,000	10
BD	1"	1-3/16"	1/4" SHANK	15390	25,000	10
RI	1/2"	1-3/16"	1///" SHANK	10190	25,000	10

ACTION SURFACE TOOL FINISHING REMOVAL **FLEXIBLE**





CDE Crimped Wire Wheels With Shank

Equipped with a 1/4" shank is ideal for light-medium removal offering flexible cleaning action







95650

Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Brass .012"	Max. RPM	Std. Pkg.
1-1/2"	3/8"	3/8"	1/4" SHANK	95350	25,000	12
2"	3/8"	7/16"	1/4" SHANK	95450	25,000	12
2-1/2"	5/8"	5/8"	1/4" SHANK	95550	25,000	12
3"	5/8"	5/8"	1/4" SHANK	95650	25,000	12

ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





TB Single Stem, Single Spiral Hand Tube Brushes



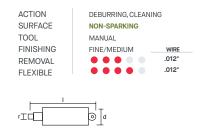
Used in hand cleaning applications. A sturdy twisted wire hand loop offers a comfortable grip.







Dia (d)	Brush Stem	Overall	Brass				Std.	
Dia. (d)	Length	Diam.	Length	.003"	.004"	.005"	.008"	Pkg.
1/4"	1-1/2"	3/32"	7"	91090				12
3/8"	2"	1/8"	8"		91091			12
7/16"	2"	3/32"	8"		91052			12
5/8"	2-1/2"	5/32"	9"				91087	12
3/4"	2-1/2"	5/32"	9"				91107	12
7/8"	3"	5/32"	10"				91127	12
15/16"	3"	5/32"	10"			91132		12
1"	3"	5/32"	10"			91142	91147	12



TB Double Stem, Double Spiral Power Tube Brushes



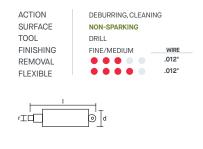
Reinforced made double stem, double spiral brushes are made with double stranded heavy gauge wire that can be easily and safely chucked into a power tool, drill press.







Dia. (d)	D. 4011		Overall	Std.			
Dia. (u)	Length	Diam.	Length	.006"	.008"	.010"	Pkg.
1/2"	2"	5/32"	5"	92047			12
5/8"	2"	5/32"	5"		92069		12
3/4"	2-1/2"	1/4"	5-1/2"			92087	12



VIP / MS / MAL / MLB Hand Scratch Brushes

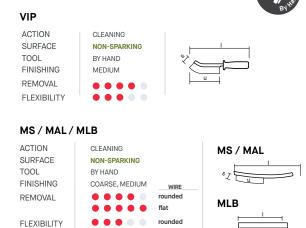
Best for manual light -medium duty cleaning of surfaces







Model	No. of Rows	Block Size	Handle Type	Trim Length	Brass .012"	Std. Pkg.
VIP	5/8"	10" X 5/8"	Plastic	1-1/8"	85150	24
MS	3 x 13	10" X 1-1/8"	Wood	1-3/16"	80450	12
MAL	3 x 19	14" x 7/8"	Wood	1-3/16"	82390	12
MLB	3 x 7	7-1/2" X 1/2"	Wood	1/2"	84180	36
MLB	3 x 7	7-1/2" X 1/2"	Plastic	1/2"	84181	36





TB Single Stem, Single Spiral Hand Tube Brushes

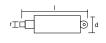


Used in hand cleaning applications. A sturdy twisted wire hand loop offers a comfortable grip.



ACTION
SURFACE
TOOL
FINISHING
REMOVAL
FLEXIBLE





Dia.			Overall	Carbon	Carbon Steel				302 Stainless Steel			
(d)	Length	Diameter	Length	.003"	.004"	.005"	.006"	.003"	.004"	.005"	.006"	Pkg.
1/8"	1"	3/32"	6"	91000				91001				10
3/16"	1-1/2"	3/32"	7"	91010		91015		91011		91016		10
1/4"	1-1/2"	3/32"	7"	91020		91025		91021		91026		10
3/8"	2"	1/8"	8"		91040		91045		91041		91046	10
1/2"	2"	1/8"	8"		91060		91065		91061		91066	10
9/16"	2-1/2"	5/32"	9"			91070						10

TB Nylon Hand Tube Brushes

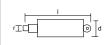




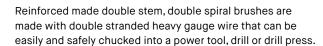
Dia.	Brush	Stem	Overall	Black Ny	lon			Std.
(d)	Length	Diameter	Length	.005"	.010"	.012"	.014"	Pkg.
1/4"	2"	3/32"	6-1/4"	94882				10
3/8"	2"	3/32"	6-1/4"	94883				10
1/2"	3"	1/8"	8-1/2"		94884			10
3/4"	3"	1/8"	8-1/2"			94866		10
1"	4"	5/32"	12-1/4"				94888	10
1-1/4"	4"	5/32"	13"				94890	10
2"	5"	3/16"	16-3/4"				94892	10





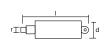


TB Double Stem, Double Spiral Power Tube Brushes













Dia.	Brush	Stem	Stelli Overali -	Carbon	Carbon Steel					302 Stainless Steel					Std.	
(d)	Length	Dia.	Length	.003"	.004"	.005"	.006"	.008"	.0104"	.003"	.004"	.005"	.006"	.008"	.0104"	Pkg.
3/8"	1-1/2"	1/8"	6"	92020												10
1/2"	2"	5/32"	5"		92040		92045				92041		92046			10
5/8"	2"	7/32"	5"			92060		92065				92061		92066		10
3/4"	2-1/2"	1/4"	5-1/2"				92080		92085				92081		92086	10
7/8"	2-1/2"	1/4"	5-1/2"				92100		92105				92101		92106	10
1"	2-1/2"	1/4"	5-1/2"				92120		92125				92121		92126	10
1-1/4"	2-1/2"	1/4"	5-1/2"				92145		92150				92146		92171	10

TB Side Action Power Tube Brushes



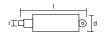
D:- (4)	Brush	Stem	Overall	Carbon Steel			302 Stai	nless Ste	el	Std.
Dia. (d)	Length	Diameter	Length	.003"	.005"	.008"	.003"	.005"	.008"	Pkg.
1/4"	9/16"	3/32"	2-1/8"	93000	93010		93001	93011		10
5/16"	9/16"	3/32"	2-1/8"	93040	93050					10
3/8"	9/16"	3/32"	2-1/8"	93080	93090		93081	93091		10
3/8"	9/16"	1/8"	2-1/8"		93260	93100				10
7/16"	9/16"	3/32"	2-1/8"	93140	93150					10
1/2"	9/16"	3/32"	2-1/8"	93200	93210			93211		10
1/2"	9/16"	1/8"	2-1/8"		93280	93220				10
9/16"	5/8"	1/8"	2-1/4"	93300	93310					10
5/8"	5/8"	1/8"	2-1/4"	93330	93340	93350		93341		10
3/4"	5/8"	1/8"	2-1/4"	93360	93370	93380		93371		10
7/8"	5/8"	1/8"	2-1/4"		93390			93401		10
1"	5/8"	1/8"	2-1/4"		93460	93470		93461		10
1-1/16"	5/8"	1/8"	2-1/4"		93490					10
1-1/8"	5/8"	1/8"	2-1/4"		93520					10
1-1/4"	5/8"	1/8"	2-1/4"		93580			93581		10











TB Power Burr Tube Brushes

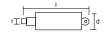


				Carbon Steel							0.1	
Dia. (d)	Brush	Stem	Overall	Carbon	Steel			302 Sta	inless Ste	el		Std.
	Length	Diameter	Length	.004"	.005"	.006"	.008"	.004"	.005"	.006"	.008"	Pkg.
1/4"	1"	1/8"	3-1/2"	94005				94006				10
5/16"	1"	1/8"	3-1/2"		94035							10
3/8"	1"	1/8"	3-1/2"	94055		94065	94070	94056			94071	10
7/16"	1"	1/8"	3-1/2"		94090				94091			10
1/2"	1"	3/16"	3-1/2"		94120				94121			10
9/16"	1"	3/16"	3-1/2"		94150				94166			10
5/8"	1"	3/16"	3-1/2"		94180		94190		94181			10
11/16"	1"	3/16"	3-1/2"		94210							10
3/4"	1"	7/32"	3-1/2"			94245	94250			94246		10
13/16"	1"	7/32"	3-1/2"		94270							10
7/8"	1"	7/32"	3-1/2"		94305		94310		94306			10
15/16"	1"	7/32"	3-1/2"		94330							10
1"	1"	1/4"	3-1/2"		94360		94370		94241		94371	10
1-1/8"	1"	1/4"	3-1/2"		94390		94400				94401	10
1-1/4"	1"	1/4"	3-1/2"				94430				94431	10
1-1/2"	1"	1/4"	3-1/2"				94580					10









TBH Side Action Power Tube Brush Holders



Brush Stem Dia.	Holder Dia.	Overall Length	Item No.	Std. Pkg.
3/32"	1/4"	3-1/8"	93600	5
1/8"	3/8"	3-3/8"	93601	5





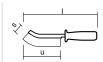


VIP Universal Hand Brush Plastic Handle





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





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

Total	Usable	Face	Trim	Carbon Steel	302 Stainless Steel	Brass
Length (I)	Length (u)	Width	Length (s)	.014"	.012"	.012"
10"	5"	5/8"	1-1/8"	85100	85130	

MAL Long Curved Handle Scratch Brushes

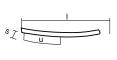






ACTION SURFACE TOOL FINISHING REMOVAL





Some of these items are available in 316 Stainless Steel.

Handle Type	No. of Rows	Block Size	Trim Length (s)	Carbon Steel .012"	302 Stainless Steel .012"	Std. Pkg.
Wood	3 x 19	14" X 7/8"	1-3/16"	82310	82340	12
Wood	4 x 18	14" X 7/8"	1-3/16"	83400		12

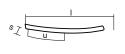
MS Shoe Handle Scratch Brushes





ACTION SURFACE TOOL FINISHING REMOVAL





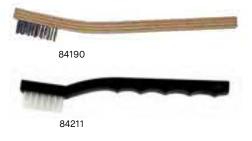
Handle Type	No. of Rows	Block Size	Trim Length (s)	Carbon Steel .012"	302 Stainless Steel .012"	Std. Pkg.
Wood	3 x 13	11-1/4" X 1"	1"	80310	80340	30
Wood	4 x 16	10" x 1-1/8"	1-3/16"	80410	80440	12
Plastic	4 x 16	11" x 1"	1-3/16"	81410	81430	12
Wood	2 x 17	10 x 5/8"	1-1/8"	81200		12
Wood	4 x 11	11 x 1/2"	1-3/16"	81400 S*		12

^{*}Equipped with metal scraper

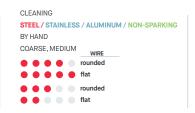
MLB Small Inspection Scratch Brushes







ACTION SURFACE TOOL FINISHING REMOVAL





Some of these items are available in 316 Stainless Steel and in Brass.

Handle Type	No. of Rows	Block Size	Trim Length (s)	Carbon Steel .012"	302 Stainless Steel .012"	Brass .006"	Black Nylon .012"	Std. Pkg.
Wood	3 x 7	7-1/2" X 1/2"	1/2"	84170	84190	84180	84210	36
Plastic	4 x 7	7-1/2" x 1/2"	1/2"	84171	84191	84181	84211	36

MF Chipping Hammer Refill











Handle Type	No. of Rows	Block Size	Trim Length	Carbon Steel
Wood	3 x 15	4-5/8" X 7/8"	1-1/8"	82130

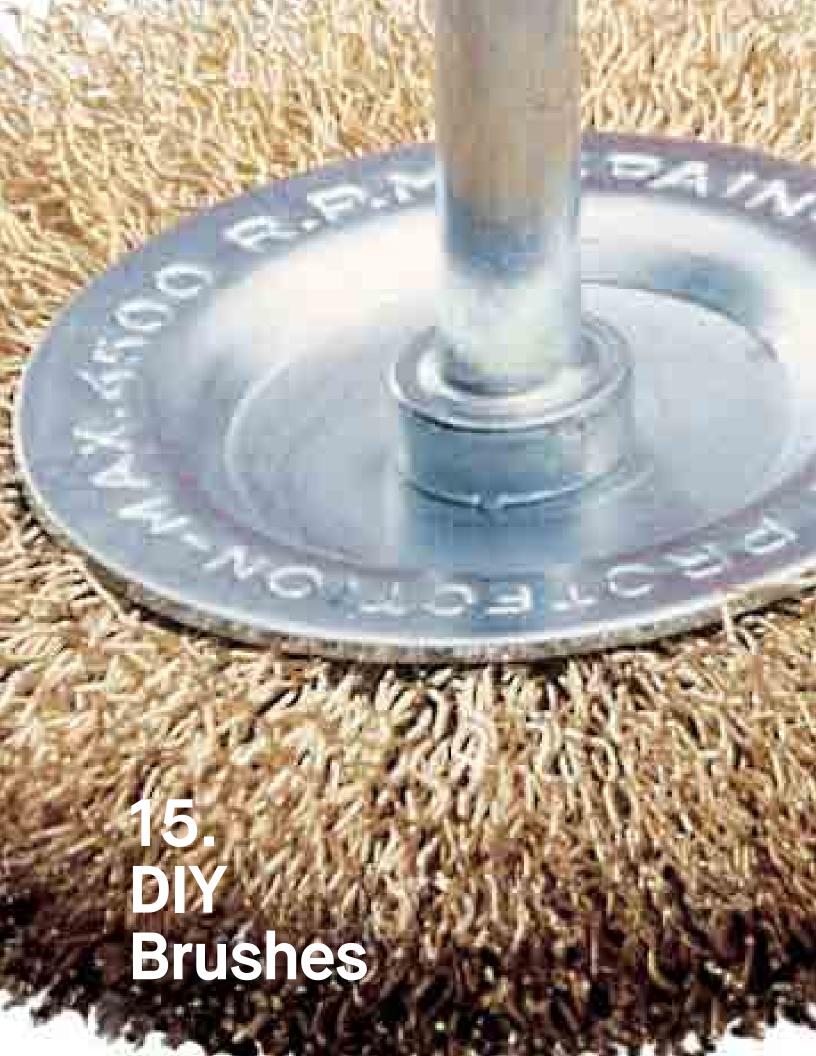
MF Acid/Flux Brushes







Width	Overall Length	Trim Length	Horsehair
1/4"	5-3/4"	3/4"	86001
3/8"	5-3/4"	3/4"	86002
1/2"	5-3/4"	3/4"	86003



BDER DIY Wheel Brushes - with Shank







ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY



Applications BDER / BTE

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

Model	Diameter	Carbon Steel	Packing Bulk	Clamshell
BDER	2"	.012"	91400	91401
BDER	2"	.008"	91410	91411
BDER	2-1/2"	.012"	91500	91501
BDER	2-1/2"	.008"	91510	91511
BDER	3"	.012"	91600	91601
BDER	3"	.008"	91610	91611
BDER	4"	.012"	91700	91701
BDER	4"	.008"	91710	91711

BTE DIY Cup Brushes - with Shank







ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY

DEBURRING, CLEANING
STEEL
DRILL
MEDIUM, FINE
.008"
.020"
.008"



Model	Diameter	Carbon Steel	Packing Bulk	Clamshell
BTE	2"	.012"	92400	92401
BTE	2"	.008"	92410	92411
BTE	3"	.012"	92600	92601
BTE	3"	.008"	92610	92611
BTE	3-1/2"	.012"	92900	92901
BTE	3-1/2"	.008"	92910	92911

Applications BDOR / BBC / 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/CAE DIY Wheel Brushes







ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY



DEBURRING, CLEANING

STEEL



93651

90601

Packing Carbon Steel Clamshell Bulk 3" .012" 90601 **BDOR** Coarse 90600 **BDOR** 3" Fine .008" 90610 90611 **BDOR** 4" 90700 Coarse .012" 90701 4" **BDOR** Fine .008" 90710 90711 **BDOR** 5" Coarse .012" 90800 90801 5" **BDOR** Fine .008" 90810 90811 **BDOR** 6" Coarse .012" 90900 90901 BDOR 6" .008" Fine 90910 90911 CAE 3" Knotted .020" 93650 93651



BBC DIY End Brushes - with Shank





ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY



SE, MEDIUM, FINE	
	WIRE
	.008"
	.020"
	.008"
	.020"

Model	Diameter	Wire Type	Carbon Steel	Packing Bulk	Clamshell
BBC	1"	Coarse	.012"	94100	94101
BBC	1"	Fine	.008"	94110	94111

CNA DIY Abrasive Nylon Cup Brushes - with Shank



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



Brushes made of nylon filaments impregnated with Aluminum 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 color nylon brushes (grit 80) produce a coarse finishing; the blue color ones (grit 150) provide a fine polishing.

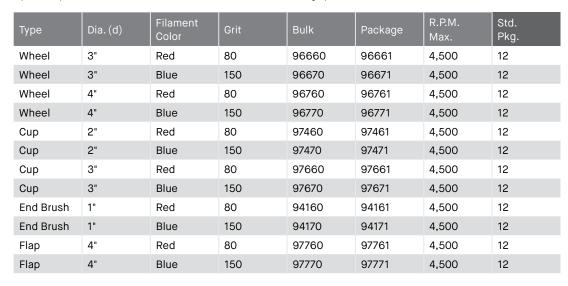
Applications

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 Aluminum.

Operating Recommended Speed

Optimum performance is obtained at the recommended working speed 2,500 R.P.M.









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 DEPENDS ON THE MATERIAL
FLEXIBILITY DEPENDS ON 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.

Dia. (d)	Arbor Hole (e)	Trim Length (s)	SILICON CARBIDE - Grit			DIAMOND - Grit		
			80	120	320	80	120	320
4-1/2"	9/16"	1"	CCM11580CSBU	CCM11512CSBU	CCM11532CSBU	CCM11580DBU	CCM11512DBU	CCM11532DBU
6"	3/4"	1-3/16"	CCM15080CSBU	CCM15012CSBU	CCM15032CSBU	CCM15080DBU	CCM15012DBU	CCM15032DBU

Dia. (d)	Arbor Hole (e)	Trim Length (s)	CERAMIC - Grit			ALUMINUM OX Grit		
Dia. (a)			80	120	320	80	120	320
4-1/2"	9/16"	1"	CCM11580CRBU	CCM11512CRBU	CCM11532CRBU	CCM115800ABU	CCM115120ABU	CCM115320ABU
6"	3/4"	1-3/16"	CCM15080CRBU	CCM15012CRBU	CCM15032CRBU	CCM150800ABU	CCM150120ABU	CCM150320ABU

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.



Dia. (d)	Arbor Hole (e)	Trim Length (s)	CERAMIC - Grit			ALUMINUM OX Grit		
			80	120	320	80	120	320
4-1/2"	9/16"	1"	CCM11580CRTR	CCM11512CRTR	CCM11532CRTR	CCM115800ATR	CCM115120ATR	CCM115320ATR
6"	3/4"	1-3/16"	CCM15080CRTR	CCM15012CRTR	CCM15032CRTR	CCM150800ATR	CCM150120ATR	CCM150320ATR





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.



Dia. (d)	Arbor Hole	Trim Length (s)	SILICON CARBIDE	E - Grit		DIAMOND - Grit			
Dia. (a)	(e)		80	120	320	80	120	320	
4-1/2"	9/16"	1"	CCM11580CSFL	CCM11512CSFL	CCM11532CSFL	CCM11580DFL	CCM11512DFL	CCM11532DFL	
6"	3/4"	1-3/16"	CCM15080CSFL	CCM15012CSFL	CCM15032CSFL	CCM15080DFL	CCM15012DFL	CCM15032DFL	
Dia. (d)	Arbor Hole (e)	e Trim Length	CERAMIC - Grit			ALUMINUM OX Grit			
Dia. (u)				400	l		400	l	

Dia. (d)	Arbor Hole (e)	Trim Length (s)	CERAMIC - Grit			ALUMINUM OX Grit		
Dia. (a)			80	120	320	80	120	320
4-1/2"	9/16"	1"	CCM11580CRFL	CCM11512CRFL	CCM11532CRFL	CCM115800AFL	CCM115120AFL	CCM115320AFL
6"	3/4"	1-3/16"	CCM15080CRFL	CCM15012CRFL	CCM15032CRFL	CCM150800AFL	CCM150120AFL	CCM150320AFL

TUFT







Characteristics

4-1/2"

6"

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.

1-3/16"

9/16"

3/4"

Dia. (d)	Arbor Hole (e)	Trim Length (s)	SILICON CARBIDE - Grit			DIAMOND - Grit		
Dia. (d)			80	120	320	80	120	320
4-1/2"	9/16"	1"	CCM11580CSTF	CCM11512CSTF	CCM11532CSTF	CCM11580DTF	CCM11512DTF	CCM11532DTF
6"	3/4"	1-3/16"	CCM15080CSTF	CCM15012CSTF	CCM15032CSTF	CCM15080DTF	CCM15012DTF	CCM15032DTF
Dia. (d)	Arbor Hole	Trim Length	CERAMIC - Grit			ALUMINUM OX Grit		
Dia. (u)	(e)	(s)		l				

CCM11512CRTF

CCM11532CRTF

CCM15080CRTF CCM15012CRTF CCM15032CRTF CCM15080OATF CCM15012OATF

CCM11580CRTF

CCM115800ATF

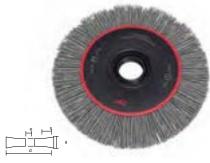
CCM115120ATF

CCM115320ATF

CCM150320ATF

DNA Abrasive Nylon Wheels - with Arbor Hole





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY

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.

Dia (d)	Face	Trim	Arbor	Grits		R.P.M	
Dia. (d)	Width (a)	Length	Hole (e)	120-Coarse	180-Medium	320-Fine	Max
4"	5/16"	11/16"	MULTI	21371	21370	21372	12,000
4"	5/8"	11/16"	MULTI	21771	21770	21772	12,000
6"	1/2"	1-1/16"	MULTI	23371	23370	23372	6,500
6"	1-1/8"	1-1/16"	MULTI	23771	23770	23772	6,500
7"	5/8"	1-5/8"	MULTI	24371	24370	24372	6,500
7"	1-1/8"	1-5/8"	MULTI	24771	24770	24772	6,500
8"	5/8"	1-5/8"	MULTI	25371	25370	25372	6,000
8"	1-1/8"	1-5/8"	MULTI	25771	25770	25772	6,000
10"	5/8"	1-3/4"	MULTI	27371	27370	27372	5,000
10"	1-1/8"	1-3/4"	MULTI	27771	27770	27772	5,000
12"	5/8"	2"	MULTI	29371	29370	29372	4,500
12"	1-1/8"	2"	MULTI	29771	29770	29772	4,500

MULTI FITTING ARBOR HOLE

Allows one brush to fit seven (7) arbor sizes by knocking out the reducer bushing. Fits 1/2", 5/8", 3/4", 7/8", 1", 1-3/16" and 2". Reduces inventory and increases order accuracy.



DNA Abrasive Nylon Cup Brushes





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY DEBURRING, FINISHING

STEEL/STAINLESS/ALUMINUM

GRINDER

MEDIUM, FINE

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.

Dia. (d)	Trim Length	Arbor	Grits			R.P.M
Dia. (u)	(s)	Hole (e)	120-Coarse	180-Medium	320-Fine	Max
4-1/2"	1-3/8"	5/8"-11	68052	68072	68082	8,500
6"	1-3/16"	5/8"-11	69052	69072	69082	6,000

CON Abrasive Nylon Disc Brushes





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY DEBURRING, FINISHING

STEEL/STAINLESS / ALUMINUM

INDUSTRIAL MACHINE

MEDIUM, FINE

Dia. (d)	Trim Length	Arbor Hole (e)	Black Color 80 Grit	Red Color 120 Grit	Yellow Color 180 Grit	Blue Color 320 Grit	R.P.M. Max.
4"	1"	5/8"-11	CON 1010	CON 1011	CON 1012	CON 1013	3,000
5"	1"	5/8"-11	CON 1210	CON 1211	CON 1212	CON 1213	3,000
6"	1"	5/8"-11	CON 1410	CON 1411	CON 1412	CON 1413	3,000
10"	1"	2"	CON 2510	CON 2511	CON 2512	CON 2513	3,000

BNA Abrasive Nylon End Brushes



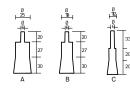


ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY DEBURRING, FINISHING

STEEL/ STAINLESS / ALUMINUM

DIE-GRINDER, DRILL

MEDIUM, FINE



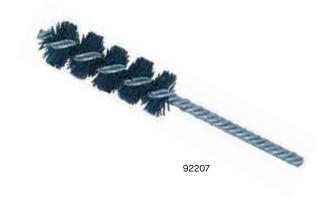
Dia (d)	Trim Longth	Grits	Grits					
Dia. (d)	Trim Length	120-Coarse	180-Medium	320-Fine	Max			
1/2"	3/4"	11201	11202	11203	20,000			
3/4"	1-3/16"	11901	11902	11903	20,000			
1"	1-3/16"	12501	12502	12503	20,000			

Abrasive Nylon Tube - Double Stem, Single Spiral

Handles are double strand heavy-gauge wire, ending in a smooth stem to chuck readily in a power tool.

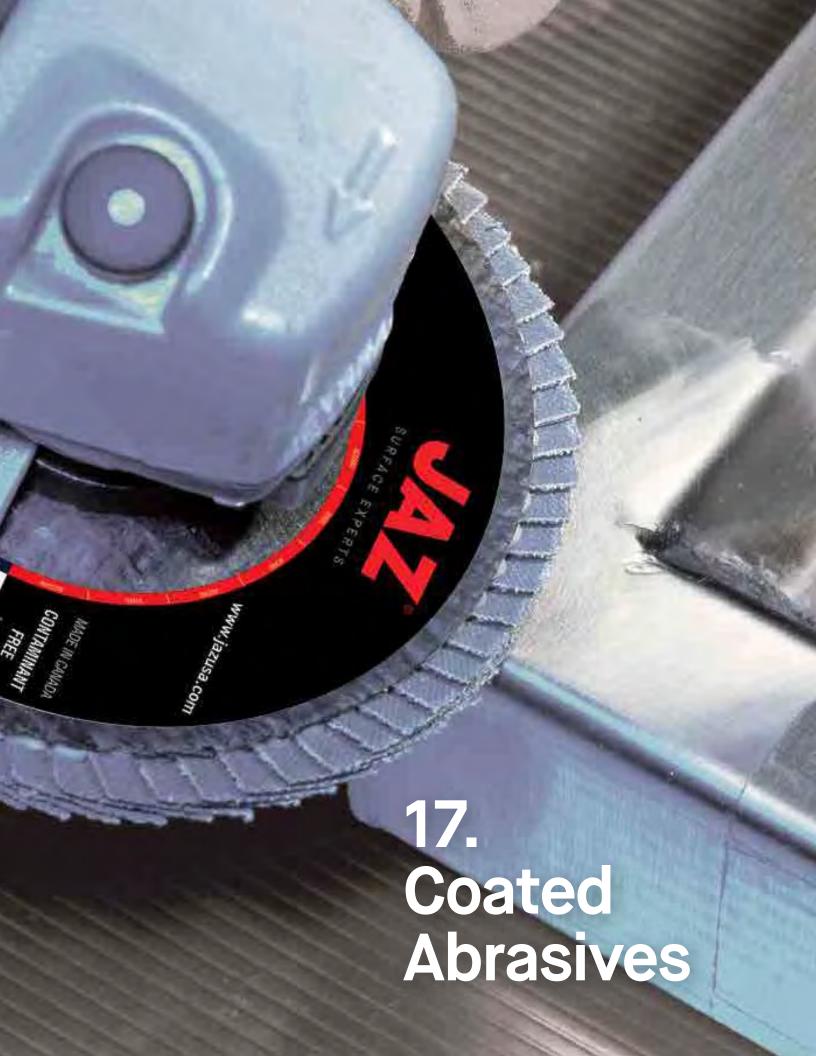








Dia. (d)	Filament Size	Brush Length	Stem Dia.	Overall Length	Item No.	Std. Pkg.
1/4"	.022/320 SC	2"	5/32"	5"	92200	10
3/8"	.022/320 SC	2"	5/32"	5"	92201	10
1/2"	.022/320 SC	2"	3/16"	5"	92202	10
5/8"	.022/320 SC	2"	7/32"	5"	92203	10
11/16"	.022/320 SC	2"	7/32"	5"	92204	10
3/4"	.022/320 SC .040/80 SC	2-1/2"	1/4"	5-1/2"	92205 92206	10
7/8"	.022/320 SC	2-1/2"	1/4"	5-1/2"	92207	10
1"	.022/320 SC	2-1/2"	1/4"	5-1/2"	92208	10
1-1/8"	.012/600 AO	2-1/2"	1/4"	5-1/2"	92209	10
	.022/320 SC				92210	
	.022/120 SC				92211	
	.035/180 SC				92212	
1-1/4"	.022/320 SC	2-1/2"	1/4"	5-1/2"	92214	10
	.022/120 SC				92215	
	.035/180 SC				92216	
1-1/2"	.012/600 AO	2-1/2"	1/4"	5-1/2"	92217	10
	.022/320 SC				92218	
	.035/180 SC				92219	
	.040/80 SC				92220	
1-3/4"	.035/180 SC	2-1/2"	1/4"	5-1/2"	92222	10
	.040/80 SC				92223	
2"	.012/600 AO	2-1/2"	1/4"	5-1/2"	92225	10
	.022/320 SC				92226	
	.040/80 SC				92227	



FD Zirconia Flap Discs

Grind

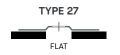
Made with 100% zirconia alumina grain for fast stock removal. A contaminant free disc can be used on stainless and steel surfaces.













Type	Dia (d)	Arber Hele (e)	ZIRCONIA					Max.	Std.
Туре	Dia. (d)	Arbor Hole (e)	36 Grit	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	53201	53211	53221	53231	53241	13,300	10
Type 29	4-1/2"	5/8"-11	53202	53212	53222	53232	53242	13,300	10
Type 29	6"	7/8"		53411	53421	53431		10,200	10
Type 29	6"	5/8"-11		53412	53422	53432		10,200	10
Type 29	7"	7/8"	53501	53511	53521	53531	53541	8,600	10
Type 29	7"	5/8"-11	53502	53512	53522	53532	53542	8,600	10
Type 27	4"	5/8"	51100	51110	51120	51130		15,300	10
Type 27	4-1/2"	7/8"	51201	51211	51221	51231	51241	13,300	10
Type 27	4-1/2"	5/8"-11	51202	51212	51222	51232	51242	13,300	10
Type 27	5"	7/8"	51301	51311	51321	51331		12,000	10
Type 27	7"	7/8"	51501	51511	51521	51531	51541	8,600	10
Type 27	7"	5/8"-11	51502	51512	51522	51532	51542	8,600	10





JAZ PRO Zirconia Flap Discs



Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for grinding steel surfaces.



ACTION GRINDING/BLENDING SURFACE STEEL / STAINLESS STEEL TOOL MINI-GRINDER FINISHING COARSE/MEDIUM REMOVAL FLEXIBILITY







Туре	pe Dia. (d) Arbor Hole (e)	Arbor Holo (a)	ZIRCONIA	Max.	Std.		
туре		Alboi noie (e)	40 Grit	60 Grit	80 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	53811	53821	53831	13,300	10
Type 29	4-1/2"	5/8"-11 EZ Spin	53814	53824	53834	13,300	10
Type 27	4-1/2"	7/8"	51811	51821	51831	13,300	10
Type 27	4-1/2"	5/8"-11 EZ Spin	51814	51824	51834	13,300	10

FD Wicked Zirconia Flap Discs

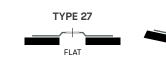
Made with 100% premium zirconia alumina grain and stronger backing for longer life and more aggressive grinding. Wicked Zircconia discs are made with a trimmable backing plate that can be easily trimmed to expose more flap grain for longer life.











TYPE 29

CONICAL



57712

Туре С	Dia. (d)	Arbor Hole (e)	WICKED ZII	WICKED ZIRCONIA			
туре	Alboi Hole (e)	40 Grit	60 Grit	80 Grit	RPM I	Pkg.	
Type 29	4-1/2"	7/8"	57711	57721	57731	13,300	10
Type 29	4-1/2"	5/8"-11 EZ Spin	57712	57722	57732	13,300	10
Type 27	4-1/2"	7/8"	55711	55721	55731	13,300	10
Type 27	4-1/2"	5/8"-11 EZ Spin	55712	55722	55732	13,300	10

FD Ceramic Flap Discs

Made with a TOP COATED ceramic grain for cooler grinding to reduce heat discoloration. Made with a trimmable backing plate that can be easily trimmed to expose more ceramic flap grain for longer life. Aggressive removal on stainless, steel and hard metal surfaces.





ACTION GRINDING/BLENDING
SURFACE STEEL/ STAINLESS STEEL/ HEAVY METALS
TOOL MINI-GRINDER
COARSE
REMOVAL
FLEXIBILITY
GRINDING/BLENDING
STEEL/ STAINLESS STEEL/ HEAVY METALS
MINI-GRINDER
COARSE





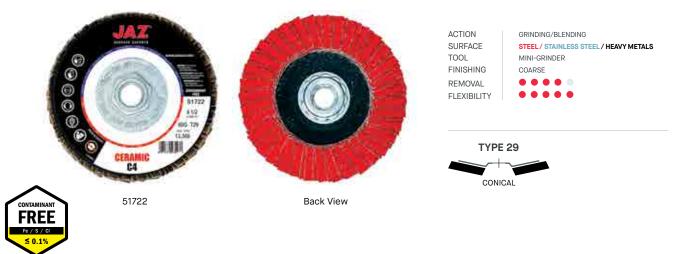
55821

Typo	Dia. (d)	Arbor Hole (e)	CERAMIC			Max.	Std.
Туре	ype Bia. (u)	Alboi Hole (e)	40 Grit	60 Grit	80 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	57811	57821	57831	13,300	10
Type 29	4-1/2"	5/8"-11 EZ Spin	57812	57822	57832	13,300	10
Type 29	5"	5/8"-11 EZ Spin	53315	53325	53335	12,000	10
Type 27	4-1/2"	7/8"	55811	55821	55831	13,300	10
Type 27	4-1/2"	5/8"-11 EZ Spin	55812	55822	55832	13,300	10
Type 27	6"	5/8"-11 EZ Spin	51417	51427	51437	10,200	10

FD C4 Double Flap Ceramic Flap Discs



The NEW C4 is a double flapped disc made with a TOP COATED ceramic grain for cooler grinding to reduce heat discoloration. The C4 disc design is has more aggressive removal, faster grinding and longer life.

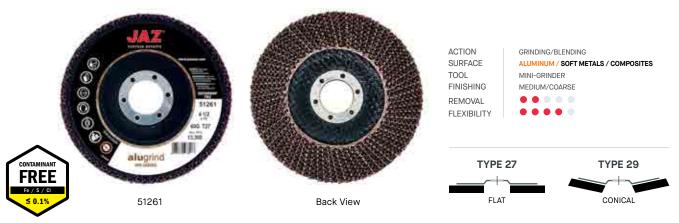


Tuno	Dia (d)	Aubau Hala (a)	C4 CERAMI	Max.	Std.		
Туре	Dia. (d)	Arbor Hole (e)	40 Grit	60 Grit	80 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	51711	51721	51731	13,300	10
Type 29	4-1/2"	5/8"-11	51712	51722	51732	13,300	10

FD Alugrind Flap Discs



Specifically designed for finishing aluminum, soft metals and composites. Alugrind's symmetric net structure material provides you with clog free non-loading grinding and generate very little heat due to heat dissipation that can occur during aggressive grinding and the melting of work piece surface is nonexistent.



Type Dia. (d)	Dia (d)	Arbor Holo (a)	ALUGRIND				Max.	Std.
	Arbor Hole (e)	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.	
Type 29	4-1/2"	7/8"	53261	53271	53281	53291	13,300	10
Type 29	4-1/2"	5/8"-11	53262	53272	53282	53292	13,300	10
Type 27	4-1/2"	7/8"	51261	51271	51281	51291	13,300	10
Type 27	4-1/2"	5/8"-11	51262	51272	51282	51292	13,300	10

FD XL Zirconia Flap Discs



Made with 100% zirconia alumina grain JAZ XL flap discs have 40% more material than standard density flap discs. Offers smoother grinding on the surface and can be used on stainless and steel surfaces.







ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY GRINDING/BLENDING
STEEL/STAINLESS STEEL
MINI-GRINDER/GRINDER
COARSE/MEDIUM

OUTPOSS OF THE STAINLESS STEEL
MINI-GRINDER/GRINDER
COARSE/MEDIUM
OUTPOSS OF THE STAINLESS STEEL
MINI-GRINDER/GRINDER
COARSE/MEDIUM





Туре	Dia. (d)	Arbor Hole (e)	ZIRCONIA	ZIRCONIA					
туре	Dia. (u)	Alboi noie (e)	36 Grit	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	54201	54211	54221	54231	54241	13,300	10
Type 29	4-1/2"	5/8"-11	54202	54212	54222	54232	54242	13,300	10
Type 29	7"	7/8"	54501	54511	54521	54531	54541	8,600	10
Type 29	7"	5/8"-11	54502	54512	54522	54532	54542	8,600	10
Type 27	4-1/2"	7/8"	52201	52211	52221	52231	52241	13,300	10
Type 27	4-1/2"	5/8"-11	52202	52212	52222	52232	52242	13,300	10
Type 27	7"	7/8"	52501	52511	52521	52531	52541	8,600	10
Type 27	7"	5/8"-11	52502	52512	52522	52532	52542	8,600	10

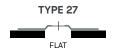
MFD Mini Zirconia Flap Discs

Made with 100% zirconia alumina grain for fast stock removal. Equipped with a composite backing and Type R mount. Aggressive removal in hard to reach areas on stainless steel and steel surfaces.



ACTION SURFACE TOOL FINISHING REMOVAL **FLEXIBILITY**





Typo	Dia (d)	Dia. (d)	Arbor	ZIRCONIA				Max.	Std.
Туре	Dia. (u)	Hole (e)	36 Grit	40 Grit	60 Grit	80 Grit	RPM	Pkg.	
Type 27	2"	Type R	58805	58815	58825	58835	30,000	10	
Type 27	3"	Type R	50005	50015	50025	50035	20,000	10	





Back View

MFD Mini Ceramic Flap Discs

Made with a TOP COATED ceramic grain for cooler grinding to reduce heat discoloration. Equipped with a composite backing and Type R mount. Aggressive removal in hard to reach areas on stainless, steel and hard metal surfaces.

60 Grit

58125

50925



Type 27

Type 27

2"

ACTION
SURFACE
TOOL
FINISHING
REMOVAL
FLEXIBILITY

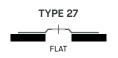


CERAMIC

40 Grit

58115

50915



120 Grit

58145

50945

RPM

30,000

20,000

10

10



	509	925	
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)	
X			1
	Back '	View	

,,		,,,		
MFD	Mini	Aluari	nd Flar	Discs

Hole (e)

Type R

Type R

Specifically designed for finishing aluminum, soft metals and composites. Mini Alugrind's symmetric net structure material provides you with clog free non-loading grinding and generate very little heat due to heat dissipation that can occur during aggressive grinding and the melting of work piece surface is nonexistent. Equipped with a composite backing and available with a Type R or 3/8"-16 thread that requires our reusable 1/4" x 3/8"-16 threaded shaft for easy mounting to a die grinder.

80 Grit

58135

50935



ACTION
SURFACE
TOOL
FINISHING
REMOVAL
FI FXIBILITY



Turno	Dia.	Arbor Hole	ALUGRINI)			Max.	Std.
Туре	(d)	(e)	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
Type 27	2"	Type R	58065	58075	58085	58095	30,000	10
Type 27	2"	3/8"-16*	58063	58073	58083	58093	30,000	10
Type 27	3"	Type R	50065	50075	50085	50095	20,000	10
Type 27	3"	3/8"-16*	50063	50073	50083	50093	20,000	10

^{*} Requires 1/4" x 3/8"-16 reusable threaded shaft for mounting (Item #50000)





Back View

MFD Mini Flap Discs Accessories

Item Number	Description	Std. Pkg.
50000	1/4" x 3/8"-16 Thread Reusable Mandrel	2
50001	2" Type R Mount Hub Pad & 1/4" Mandrel	5
50002	3" Type R Mount Hub Pad & 1/4" Mandrel	5



FW Coated Abrasive Mounted Flap Wheels

Made with aluminum oxide grain, our mounted flap wheels come equipped with a 1.4" shank for easy mounting. Best suited for general purpose deburring, blending and finishing applications.













Dia.	Width	Arbor	ALUMINU	ALUMINUM OXIDE			Max.	Std.
(d)	(s)	Hole (e)	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
1"	1"	1/4" Shank	56713	56723	56733	56743	30,000	10
1-1/2"	1"	1/4" Shank	57713	57723	57733	57743	25,000	10
2"	1"	1/4" Shank	58713	58723	58733	58743	25,000	10
2-1/2"	1"	1/4" Shank	59713	59723	59733	59743	23,000	10
3"	1"	1/4" Shank	50713	50723	50733	50743	23 000	10

IFW Interleafed Flap Wheels

A combination of alternating non-woven and coated abrasive material used for fine cleaning, blending and finishing on applications.

Dia.	Face	Arbor (e)	Aluminum Oxide					Std.
(d)	Width (s)	Alboi (e)	40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
1-1/2"	1"	1/4" Shank	57716	57726	57736	57746	30,000	10
2"	1"	1/4" Shank	58716	58726	58736	58746	25,000	10
2"	2"	1/4" Shank	58816	58826	58836	58846	25,000	10
3"	2"	1/4" Shank	50816	50846	50833	50843	25,000	10





50833

ACTION SURFACE TOOL **FINISHING** REMOVAL **FLEXIBILITY**

DEBURRING/BLENDING/FINISHING
STEEL
DIE GRINDER
MEDIUM/FINE
• • • • •

FW Coated Abrasive Unmounted Flap Wheels

Made with aluminum oxide grain, our unmounted flap wheels best suited for general purpose deburring, blending and finishing applications.

Dia. (d)		Arbor Hole (e)	ALUMINU 60 Grit		Max. RPM	Std. Pkg.
6"	1"	1"	56765	56766	6,000	1







ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY











EXP General Exhibitor

Order Code	Qty.	Item	Dimensions
	4	72052	
	4	73000	
	4	73010	
	4	72082	
	4	72950	
	4	73900	
	4	73910	
	4	72980	
	6	48052	
EXP 4250	6	78052	82" x 24-1/2" x 17"
LAF 4230	6	48082	02 X 24-1/2 X 1/
	6	78082	
	1	56052	
	1	66052	
	1	54052	
	1	64050	
	24	85100	
	24	85130	
	12	82310	
	12	82340	

EXP Basic Exhibitor

Order Code	Qty.	Item	Dimensions
	3	72052	
	3	73000	
	3	73010	
	3	48052	
	3	48082	
	3	78052	
	3	78082	00 0 /4" 04 4 /4"
EXP 9640	3	74050	32-3/4" x 21-1/4" x 12-1/4"
	3	74000	12 1/4
	3	54052	
	3	64050	
	10	12350	
	10 14310		
	24	85100	
	24	85130	

EXP Guard Exhibitor

Order Code	Qty.	Item	Dimensions		
EXP 4060	12	91691			
	12	92691			
	9	93900	32-3/4" x 21-1/4" x		
	6	72950			
	6	72980	12-1/4"		
	3	73910			
	2	64900			
	6	54950			



BRUSH TOOLS 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 SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY

DEBURRING, CLEANING
STEEL/STAINLESS/ALUMINUM
JSBSP+GRINDER
MEDIUM

• • • • • •

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 W1200-125RT 5"

Angle Grinder.

(Right Angle Grinder Sold Not Included)

Code JSBSP0002

BSP Brush



Technical InformationBSP model brushes from 3/8" to 2" diameters. Designed for the JS BSP accessory. Available in different wire types.

Dia.(d)	Carbon Steel	Stainless Steel
3/8"	BSP0010E	BSP0010Z
9/16"	BSP0014E	BSP0014Z
1/2"	BSP0013E	BSP0013Z
5/8"	BSP0016E	BSP0016Z
1/4"	BSP0020E	BSP0020Z
1-5/16"	BSP0024E	BSP0024Z
1-1/8"	BSP0028E	BSP0028Z
1-3/16"	BSP0030E	BSP0030Z
1-7/16"	BSP0036E	BSP0036Z
1-9/16"	BSP0040E	BSP0040Z
1-3/4"	BSP0044E	BSP0044Z
2"	BSP0050E	BSP0050Z

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



Model	Dia. (d)	Diameter Piece	Diameter Spike	Coated Steel	Stainless Steel	R.P.M.
				.012"	.012"	Max.
BS 2-3/		3/8"	1/4"	BS6010E	BS6010Z	4,500
		1/2"		BS6012E	BS6012Z	
		9/16"		BS6014E	BS6014Z	
		5/8"		BS6016E	BS6016Z	
		11/16"		BS6018E	BS6018Z	
	2-3/8"	3/4"		BS6020E	BS6020Z	
		7/8"		BS6022E	BS6022Z	
		15/16"		BS6024E	BS6024Z	
		1"		BS6026E	BS6026Z	
		1-1/8"		BS6028E	BS6028Z	
		1-3/16"		BS6030E	BS6030Z	

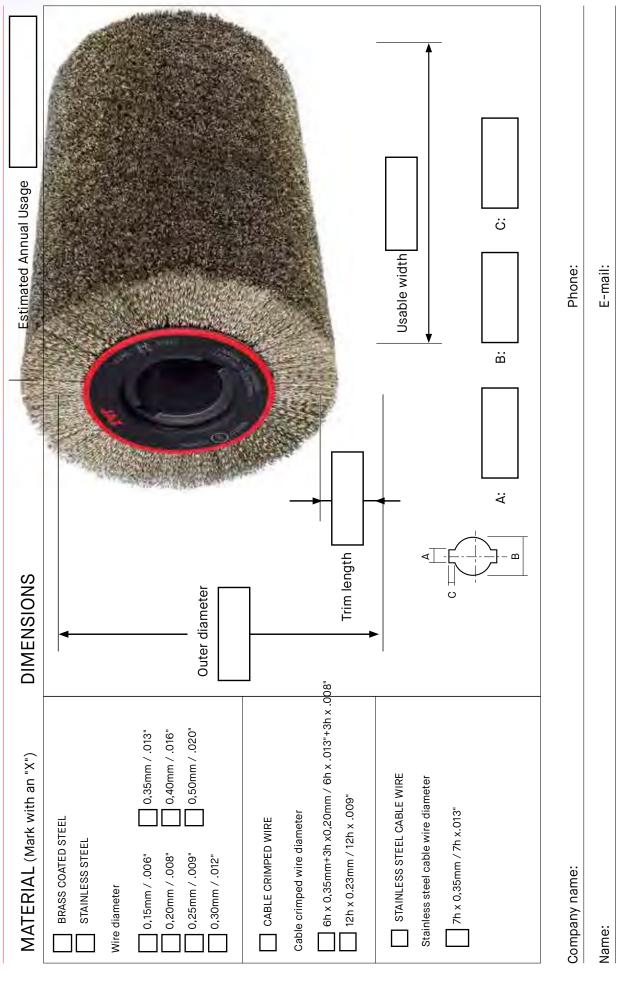




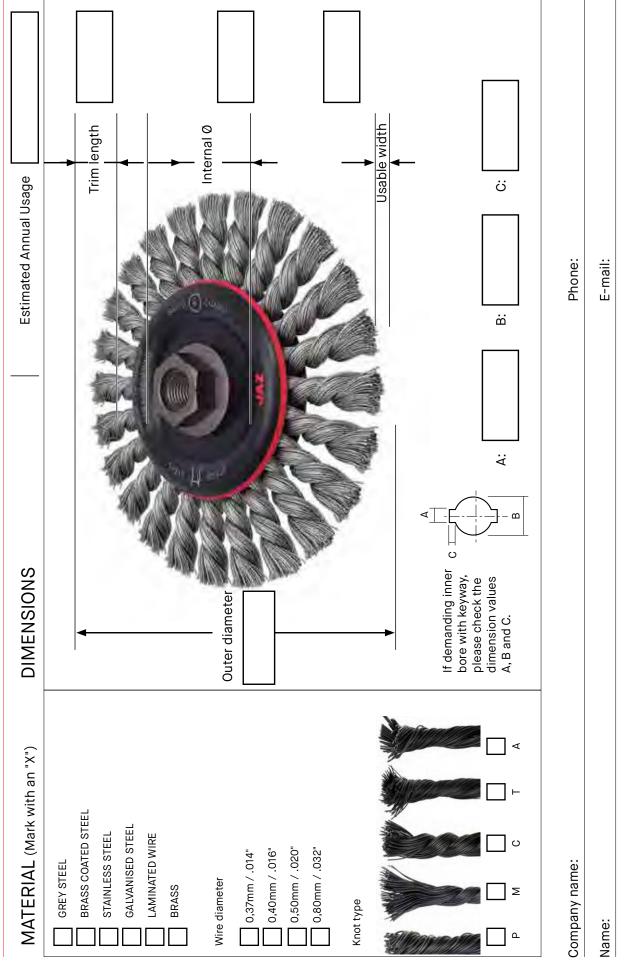
Drawing for brush type CT



Drawing for brush type CUCB



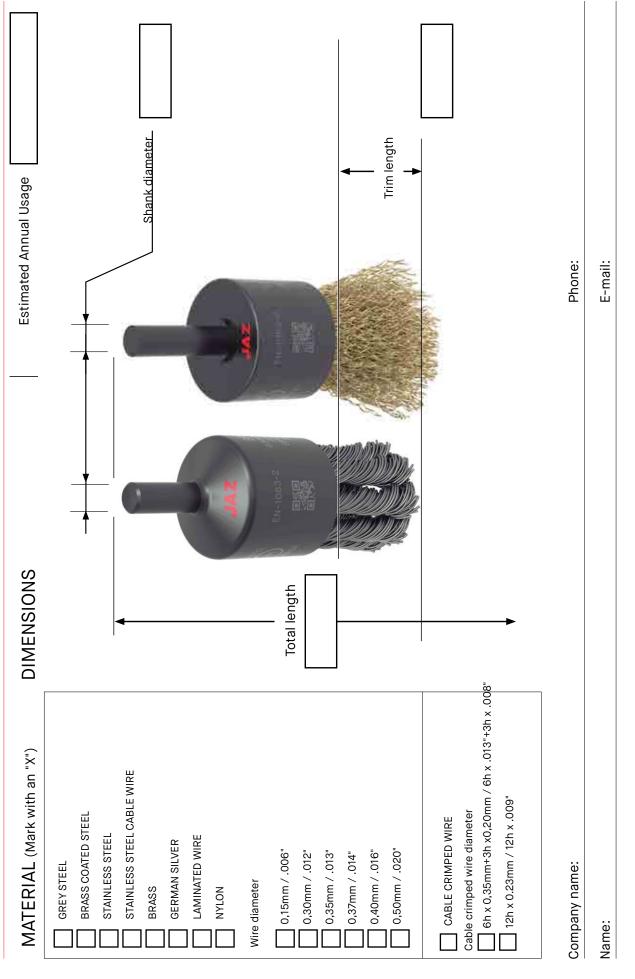
Drawing for brush type CAM



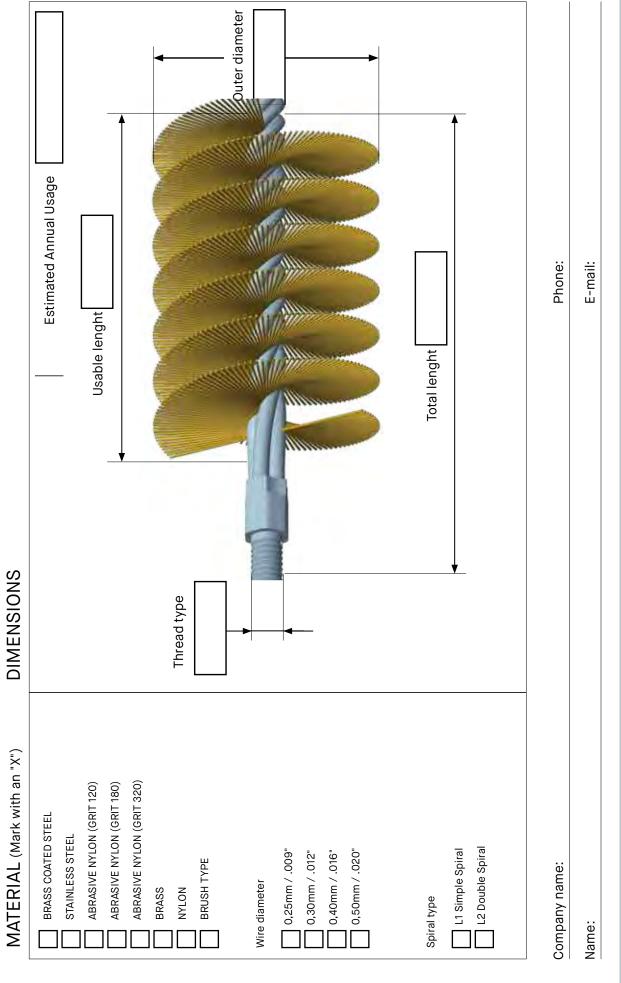
Drawing for brush type TT



Drawing for brush type END BRUSHES



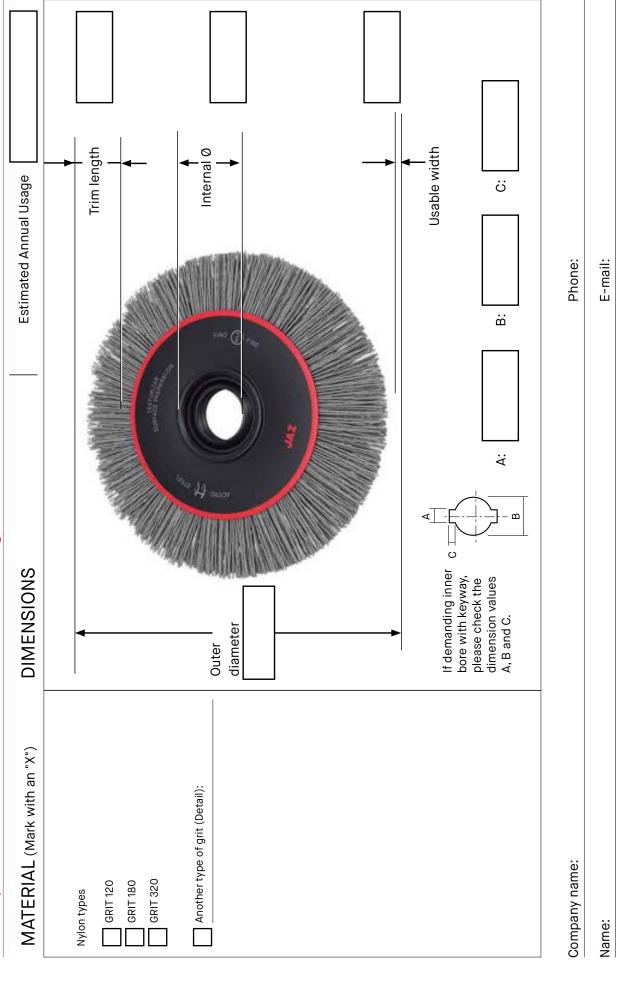
Drawing for brush type tube brushes



Drawing for brush type TO

Estimated Annual Usage	© Plain bore or thread	Outer diameter	Phone:	E-mail:
DIMENSIONS				
MATERIAL (Mark with an "X")	GREY STEEL	Stainless STEEL CABLE WIRE Stainless steel cable wire diameter 7h X 0,35mm / 7h X .013"	Company name:	Name:

DNA nylon abrasive wheel brushes drawing



Quality guarantee

In 1996 our Quality Assurance system was certified in accordance with the UNE-EN ISO 9001: 2000 standard and, based on that basis, we have been building our Occupational Risk Prevention systems -Certificate of compliance with OHSAS 18001: 2007-, Training, Continuous Improvement and Innovation. In this last area we have developed important novelties, registered international patents and received awards in technological innovation.



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User manual

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29950 43 41059 36 50085 95 51834 91 53824 91 56252 53												
	29950	43	41059	30	50085	95	51834	91	53824	91	20252	53

INDEX

56253	53	63052	56	78012	68	91020	72	92146	72	93211	73
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56282	53	64010	57	78042	30	91025	72	92171	72	93260	73
56713	96	64022	58	78050	30	91026	72	92200	88	93280	73
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56765	96	64900	98	78080	30	91046	72	92204	88	93340	73
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57731	92	66092	68	81400	76	91127	70	92216	88	93470	73
57732	92	67552	57	81410	76	91132	70	92217	88	93490	73
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57736	96	68072	86	82130	77	91147	70	92219	88	93580	73
57743	96	68082	86	82310	76,98	91400	79	92220	88	93581	73
57746	96	69052	86	82316	66	91401	79	92222	88	93600	73
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58836	96	73910	98	90910	80	92101	72	93081	73	94246	73
58846	96	74000	98	90911	80	92105	72	93090	73	94250	73
59713	96	74050	31,98	91000	72	92106	72	93091	73	94270	73
59723	96	74080	31	91001	72	92120	72	93100	73	94305	73
59733	96	74182	31	91010	72	92121	72	93140	73	94306	73
59743	96	76052	31	91011	72	92125	72	93150	73	94310	73
63002	56	76062	31	91015	72	92126	72	93200	73	94330	73
63032	56	78000	48	91016	72	92145	72	93210	73	94360	73
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94370	73	97770 81	CCM11512CRBU 84	CCM15032CRBU 84	CUCB92548Q 45
94371	73	97771 81	CCM11512CRFL 85	CCM15032CRFL 85	CUCB92548@Z 45
94390	73	99001 31	CCM11512CRTF 85	CCM15032CRTF 85	CUCB93024@ 45
94400	73	99009 31	CCM11512CRTR 84	CCM15032CRTR 84	CUCB93024C 45
94401	73	BS6010E 101	CCM11512CSBU 84	CCM15032CSBU 84	CUCB93024H 45
94430	73	BS6010Z 101	CCM11512CSFL 85	CCM15032CSFL 85	CUCB93024N 45
94431	73	BS6012E 101	CCM11512CSTF 85	CCM15032CSTF 85	CUCB93024Q 45
94580	73	BS6012Z 101	CCM11512CSTR 84	CCM15032CSTR 84	CUCB93024@Z 45
94866	72	BS6014E 101	CCM11512DBU 84	CCM15032DBU 84	CUCB93036@ 45
94882	72	BS6014Z 101	CCM11512DFL 85	CCM15032DFL 85	CUCB93036C 45
94883	72	BS6016E 101	CCM11512DTF 85	CCM15032DTF 85	CUCB93036H 45
94884	72	BS6016Z 101	CCM11512DTR 84	CCM15032DTR 84	CUCB93036N 45
94888	72	BS6018E 101	CCM115120ABU 84	CCM150320ABU 84	CUCB93036Q 45
94890	72	BS6018Z 101	CCM115120AFL 85	CCM150320AFL 85	CUCB93036@Z 45
94892	72	BS6020E 101	CCM115120ATE 85	CCM150320ATE 85	CUCB93048@ 45
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95200	48	BS6020Z 101			
95210	48	BS6022E 101	CCM11532CRBU 84	CCM15080CRBU 84	CUCB93048H 45
95230	48	BS6022Z 101	CCM11532CRFL 85	CCM15080CRFL 85	CUCB93048N 45
95240	48	BS6024E 101	CCM11532CRTF 85	CCM15080CRTF 85	CUCB93048Q 45
95300	48	BS6024Z 101	CCM11532CRTR 84	CCM15080CRTR 84	CUCB93048@Z 45
95320	48	BS6026E 101	CCM11532CSBU 84	CCM15080CSBU 84	JSBSP0002 100
95330	48	BS6026Z 101	CCM11532CSFL 85	CCM15080CSFL 85	
95340	48	BS6028E 101	CCM11532CSTF 85	CCM15080CSTF 85	
95350	69	BS6028Z 101	CCM11532CSTR 84	CCM15080CSTR 84	
95400	48	BS6030E 101	CCM11532DBU 84	CCM15080DBU 84	
95420	48	BS6030Z 101	CCM11532DFL 85	CCM15080DFL 85	
95430	48	BSP0010E 100	CCM11532DTF 85	CCM15080DTF 85	
95440	48	BSP0010Z 100	CCM11532DTR 84	CCM15080DTR 84	
95440(316)	66	BSP0013E 100	CCM11532OABU 84	CCM150800ABU 84	
95450	69	BSP0013Z 100	CCM11532OAFL 85	CCM150800AFL 85	
95500	48	BSP0014E 100	CCM11532OATF 85	CCM150800ATF 85	
95510	48	BSP0014Z 100	CCM115320ATR 84	CCM150800ATR 84	
95530	48	BSP0016E 100	CCM11580CRBU 84	CON 1010 87	
95540	48	BSP0016Z 100	CCM11580CRFL 85	CON 1011 87	
95550	69	BSP0020E 100	CCM11580CRTF 85	CON 1012 87	
95570	49	BSP0020Z 100	CCM11580CRTR 84	CON 1013 87	
95600	48	BSP0024E 100	CCM11580CSBU 84	CON 1210 87	
95610	48	BSP0024Z 100	CCM11580CSFL 85	CON 1211 87	
95630	48	BSP0028E 100	CCM11580CSTF 85	CON 1212 87	
95640	48	BSP0028Z 100	CCM11580CSTR 84	CON 1213 87	
95650	69	BSP0030E 100	CCM11580DBU 84	CON 1410 87	
95670	49	BSP0030Z 100	CCM11580DFL 85	CON 1411 87	
95700	48	BSP0036E 100	CCM11580DTF 85	CON 1412 87	
95710	48	BSP0036Z 100	CCM11580DTR 84	CON 1413 87	
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96660	81	BSP0044E 100	CCM115800ATF 85	CON 2512 87	
96661	81	BSP0044Z 100	CCM115800ATR 84	CON 2513 87	
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96760	81	CA 73080K51 27	CCM15012CRTF 85	CUCB92524H 45	
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96770	81	CA 73580K51 27	CCM15012CSBU 84	CUCB92524Q 45	
96771		CA 73580K83 27	CCM15012CSFL 85	CUCB92524@Z 45	
	81				
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97461	81 91	CA 73580L83 27	CCM15012CSTR 84		
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97471	81	CA 82552L51 27	CCM15012DFL 85	CUCB92536N 45	
97660	81	CA 83580K83 27	CCM15012DTF 85	CUCB92536Q 45	
97661	81	CA 83580L83 27	CCM15012DTR 84	CUCB92536@Z 45	
97670	81	CA 84080K83 27	CCM150120ABU 84	CUCB92548@ 45	
97671	81	CA 84080L83 27	CCM150120AFL 85	CUCB92548C 45	
97760	81	CA 84896K83 27	CCM150120ATF 85	CUCB92548H 45	
97761	81	CA 84896L83 27	CCM150120ATR 84	CUCB92548N 45	

SURFACE EXPERTS



HOW TO CHOOSE YOUR RIGHT PRODUCTS

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







Cleaning

Surface preparation

Deburring









Grinding

Finishing

Polishing

Sweeping

SURFACE









Steel

Stainless

Non-sparking

Wood

TOOL













Drill

Grinder

Die-Grinder

Bench-Grinder Industrial Machine By hand

CHARACTERISTICS

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

FILAMENT TYPES

Crimped wire

- Higher flexibility Irregular surfaces Fine finishing



Knoted wire

- Longer Life
- Higher removal capacity
 Rough finishing



Abrasive Nylon

- High flexibility without danger of breaking Long working life Safety



