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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.





Specialist in surface treatment

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.







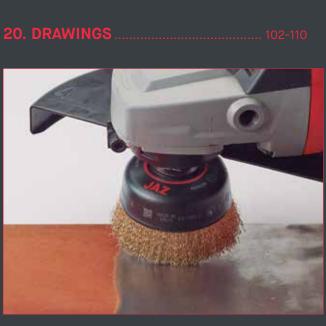
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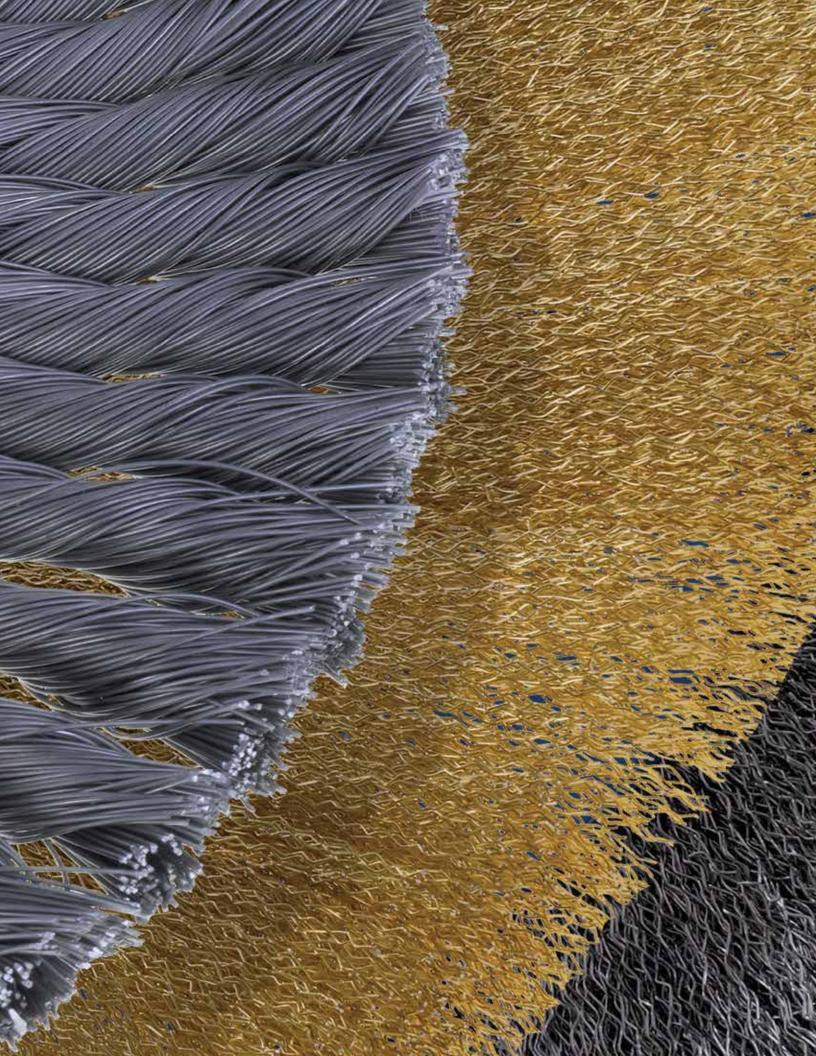
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BRUSH USAGE RECOMMENDATIONS

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.









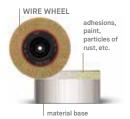




Tool/Machine	Most Common Product	Model	Diameter
Bench/Pedestal Grinder	Crimped & Knotted Wheel	CT, CU, CAM, CCA, DNA, CTP, CDO	3" to 14"
	Crimped & Twist Knot Wheels	CT,CCA,CTP,CAM,CPL	5" to 7"
Crimped & Twist Knot Wheels	Crimped & Twist Knot Cups	TO,TOG,TCA,TCAG,TOP,TT,TTG,TTP,T- NA,CCT,CCO	3-1/4" to 6"
	Flap Disc	FD	5" to 7"
Mini Right-Angle Grinder	High Speed Crimped & Twist Knot Cups	HSC,HSCG,HSCP,HST,HSTG,HSTP,H- CA,HCAG,HSD,HSK	2-3/4" to 4-1/2"
	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"
Grinder Crimped & Twist Flap Dis High Speed Crimped Knot Cu High Speed Crimped Knot Wheels & End Flap Dis Wheels & End Brus Drill Tube Brus Wheels & End Brus Shank, Crimped,	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"
Industrial Machine	Wheels & End Brushes without Shank, Crimped, Knotted & abrasive nylon	CUCB-BCSE-CA-CCM-SPECIAL BRUSHES	



WIRE TYPE, DIAMETER AND LENGTH





Wire Brushes vs. 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

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

features of the machine in order to choose the right brush type:



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	min.: 1 m/sec	= 197 ft/min. 1 ft / min.= 5.08 i	m/sec

Material	Ø mm	Ø "	Wire code
Grey Steel	0,12	.005	Α
	0,15	.006	В
	0,20	.008	С
	0,25	.010	D
	0,30	.012	Е
Brass Coated Steel	0,35	.014	F
Oteci	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
Stainless Steel	0,20	.008	N
	0,30	.012	Z
	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	Х
	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	T
Galvanized Steel	0,43	.017	S
	3 x 0,20 + 6 x 0,35	3 x .008 + 6 x .014	W
Laminated Wire	0,50	.020	Υ

n		Ø Brush d ₁ [mm]													
RPM													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 B	rush	Ø Wire									
mm											
25	1′′	0,08	0,003′′	44							
50,8	2"	0,1	0,004′′	42							
76,2	3′′	0,12	0,005′′	40							
101,6	4′′	0,15	0,006′′	38							
127	5"	0,2	0,008′′	36							
152,4	6″	0,25	0,01′′	33							
177,8	7′′	0,3	0,0118′′	31							
203,2	8′′	0,35	0,0138	29							
228,6	9"	0,4	0,016′′	27							
254	10′′	0,5	0,02′′	25							
279,4	11′′	0,8	0,0315′′	21							



Example
Brush diameter 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



Bench-Grinder







Industrial Machine

By hand

Type of application



Cleaning





Surface preparation

Deburring









Grinding

Finishing

Polishing

Sweeping

Surface finish required

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

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 x 0.23 - 12 x 0.23 - (3 x 0.20)+(6 x 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

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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.

CAM Standard Twist Knot Wheel - Single Section









ACTION DEBURRING, CLEANING
SURFACE STEEL / STAINLESS / ALUMINUM
BENCH-GRINDER, GRINDER
FINISHING COARSE, MEDIUM WIRE

O 0 0 0.020"

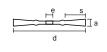
FI EXIBILITY

DEBURRING, CLEANING

STEEL / STAINLESS / ALUMINUM
BENCH-GRINDER, GRINDER
O 0.014"

O 0.020"

D 0.020"







See p. 68-70

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

5: (1)	No. of Knots	Knot	Trim	Arbor Hole (e)	Carbon Steel		302 Stainless	Max.	Std.	
Dia. (d)		Width (a)	Length (s)		.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

■ 1/2" x 1/4" Double Keyway ▲ 5/16" x 5/32" Double Keyway

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





30169

Dia.(d)	No. of Knot		Trim	Arbor	Carbon Steel				Std. Pkg.
	Knots	Width (a)	Length (s)	Hole (e)	.012"	.016"			
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

FLEXIBILITY



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) L	No. of	No. of Sections	Face Width (a)	Trim	Arbor Hole (e) Carbon Steel .014"	Carbon Steel		Max. RPM	Std. Pkg.
	Knots			Length (s)		.014"	.020"		
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.

5 : (1)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor	Double Key Way (e)	Carbon Steel		Max.	Std.
Dia. (d)				Hole (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

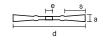








DEBURRING, CLEANING SURFACE STEEL / STAINLESS / ALUMINUM ANGLE GRINDER, MINI-GRINDER FINISHING COARSE, MEDIUM REMOVAL .014" .020 .014-.020 **FLEXIBILITY**





BRASS See p. 68-70

33152

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

(1)	No. of Knots	Knot	Trim	Arbor Hole (e)	Carbon Stee	ļ	302 Stainles	s Steel	Max.	Std.
Dia. (d)		Width (a)	Length (s)		.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

aggressive and heavy duty cleaning applications on welds and surfaces.

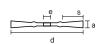
Engineered and manufactured to our same JAZ standards while offering a competitively priced solution for





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.

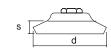




74050









Dia (d) I	Knot	h (a) Trim Length (s)	Arbor	Steel		Stainless		Std.
	Width (a)		Hole (e)	.014"	.020"	.020"		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 ${\bf B}$ 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



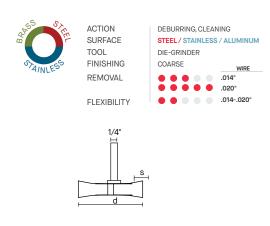
CAM Twist Knot Wire Wheels - With 1/4" Shank



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		(a) 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.











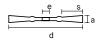
43562 PIPELINE 56ER™



48362 **PIPELINE 36ER™**

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 .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

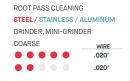


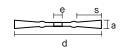
JAZ's original stringer bead wheels offer great performance for weld cleaning brushes. Optimal for cleaning root passes and hard to reach areas.





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



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.



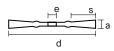




46882B

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

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.

46852B

CPL Double Hub 2 Stringer Bead Wheels

5/8"-11

2-1/8"



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.



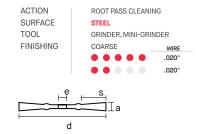


9"

50

3/8"





6,000

Dia. (d)	No. of Knots	Knot Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel .020"	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 2	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.

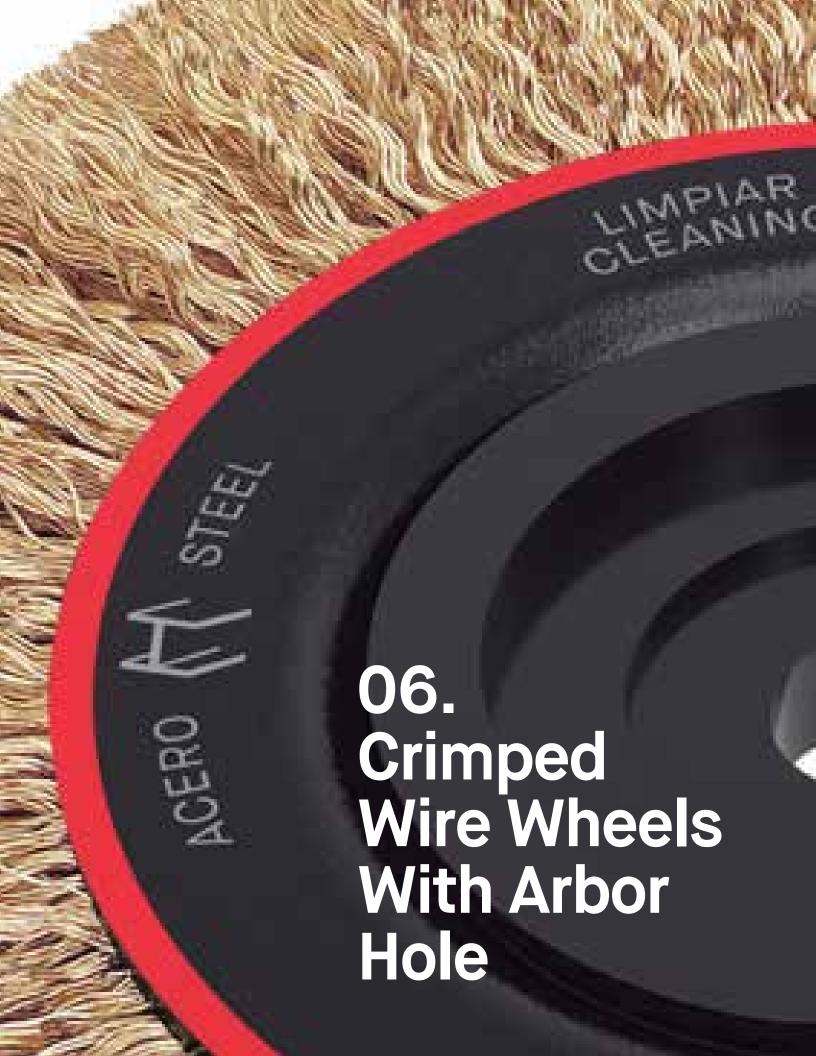






FA	1		A	
	1			
		16		

Dia. (d)	Face Width (a)	Trim Length (s)	Arbor Hole (e)	Carbon Steel	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 <mark>B</mark>	9,000	10

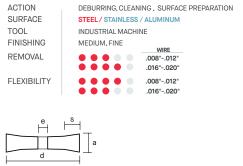


CT Crimped Wire Wheels - Narrow Face



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.



Some of these items are available in Brass.

See p. 68-70

	Face Dia. (d) Width		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

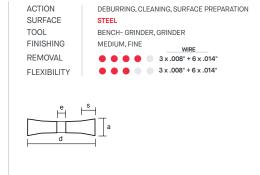
Flexibility

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.

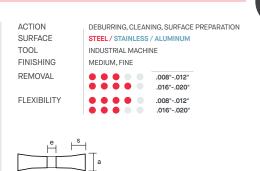








Some of these items are available in Brass.



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.



(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.
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.







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.



27900





See p. 68-70

Some of these items are available in Brass.



.008"-.012"

.016"-.020"





ACTION

TOOL

SURFACE

FINISHING

REMOVAL

FLEXIBILITY

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.

MEDIUM, FINE



5. (1)	Face	Trim	Arbor	Carbon Ste	el			302 Stainle	ss 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

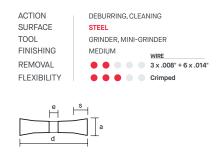
The plastic cover can be presented in several colors giving a customized and distinctive appearance comparing to traditional wire brushes.

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

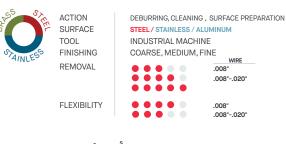
Wire brushes manufactured in a block of high density and a perfect balance. The CUCB brushes suit the main deburring machines in the market.

Applications

Deburring of tube and profiles cut ends. Mainly for automatic deburring machines ADIGE type-RSA-Pedrazzoli etc. Burmaster







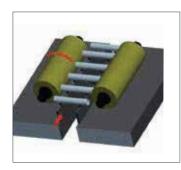


See construction drawing on page 104

Outside diameter	Face	Trim Length	Carbon Stee	I	Cable	302 Stainless Steel		Cable Stainless	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











07756

	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
	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
	3"	.014"	1/2"-3/8"	1"	5/8"	07756	07706	20,000
\	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







BRASS NON-SPARKING See p. 68-70

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

Dia.	Trim Length	Face Width	Carbon Ste	eel	302 Stainle	ess Steel	R.P.M.
(d)	(s)	(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

Minicos Minicos

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		Carbon Ste	Carbon Steel			302 Stainless Steel		Std.
Dia. (d)	Length (s)	Thread (e)	.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

DEBURRING, CLEANING

STEEL

GRINDER

JAZ PRO Knot Wire Cup Brushes - Single Row



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

FINISHING REMOVAL FLEXIBILITY

TOOL





Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel	Max. RPM	Std. Pkg.
2-3/4"	3/4"	5/8"-11	72032 <mark>B</mark>	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





Protection

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

Visibility

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

Flexibility

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



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.





ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





54052

See construction drawing on page 106

Dia (d)	Trim	Thread	Carbon Steel			302 Stainless Steel		Max.	Std.
Dia. (d)	Length (s)	(e)	.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		302 Stainless Steel	Max.	Std.
Dia. (d)	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







54022

SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





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 <mark>B</mark>	15,000	1/6
4"	1-1/8"	5/8"-11	54022	10,200	1

ACTION

CCT JAZ Twist Knot Control Cup Brushes





57592

TOOL FINISHING REMOVAL FLEXIBILITY

ACTION

SURFACE





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



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











Dia (d)	Trim	Thread	Carbon Steel		302 Stainless 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 B in this catalog. To order brushes in bulk, please add a B to the end of the part number.

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

HSCG, HCAG & TOG Crimped Cup Brushes - with Protective Guard







64900 73900

Protection



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



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





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.

Model	Dia.	Trim	Arbor Hole	Carbon St	eel	Cable Crimped	302 Stainless Steel	Max.	Std.
Model	(d)	Length (s)	(e)	.012"	.020"	12 x .009"	.012"	RPM	Pkg.
Crimped	3"	7/8"	5/8"-11 & M14	73900			73930	14,000	1
Crimped Crm	3"	7/8"	5/8"-11 & M14			73910		14,000	1
Crimped	4"	1-3/16"	5/8"-11 & M14	64900	64950		64930	10,200	1
Crimped Crm	4"	1-3/16"	5/8"-11 & M14			64910		10,200	1

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.







ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





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, CLEANI	NG	
SURFACE	STEEL		
TOOL	GRINDER		
FINISHING	COARSE	WIRE	_{{ }}(
REMOVAL	• • • • •	.020"	s
FLEXIBILITY	\bullet \bullet \circ \circ	.020"	-

Dia. (d)	Trim Length (s)	Thread (e)	Carbon Steel .020"	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









73022

64022







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

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 SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





Dia (d) Trim	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.





316 TAINLESS 12350

See p. 65-66
Some of these items are available in 316 Stainless Steel.

Dia (d) Trim	Trim Length	J		Carbon Steel		302 Stainless Steel		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		e e
SURFACE	STEEL		П
TOOL	DIE-GRINDER		
FINISHING	COARSE, MEDIUM, FINE		[
REMOVAL	-	.014"	
		.020"	
FLEXIBILITY		.014"	
FLEXIDILITY		.020"	<u> </u>

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











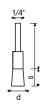




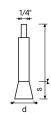


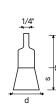


See p. 68-70



ВА







BF





See construction drawing on page 107

Some of	of these	items ar	e available	in Brass.

Model	Dia. Trim Length		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

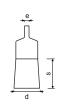




ACTION	
SURFACE	
TOOL	
FINISHING	
REMOVAL	
FLEXIBILITY	



.006" .012"



)

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

BD/BI Angle Cut Crimped End Brushes



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.

1	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

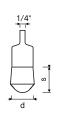


Round cut end brushes have a dense fill and a rounded cut end for best cleaning of the bottom part of concave shaped surfaces.









Dia. (d)	Trim	Carbon Steel			302 Stainless 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

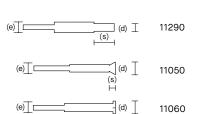




ACTION SURFACE TOOL FINISHING REMOVAL

STEEL DRILL .020"-.032" FLEXIBILITY

DEBURRING, CLEANING



11290 / 11050 / 11060

Dia (d)	Trim	Thread	Carbon	Steel		Max.	Std.
Dia. (d)	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 **FLEXIBILITY**



Dia. (d)	Carbon	Steel		302 Sta	ainless S	teel	Max.
Dia. (u)	.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.



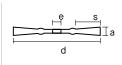


316











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.



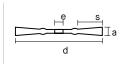






ACTION SURFACE TOOL FINISHING







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.













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 / Q "	7/0"

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_2/16"



316 Stainless Steel .012" 14316B Max. Std. Pkg. 25,000 10

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

Best for manual light -medium duty cleaning of surfaces.









ACTION
SURFACE
TOOL
REMOVAL
FLEXIBILITY





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.













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	Trim	Arbor	Brass	Max.	Std.
	Width (a)	Length (s)	Hole (e)	.012"	RPM	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 WIRE 3 x .008" + 6 x .014" 3 x .008" + 6 x .014

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

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

Brass

15290

15390

10190





BD

BD

ВΙ



3/4"

1"

1/2"





FLEXIBLE





CDE Crimped Wire Wheels With Shank

1/4" SHANK

1/4" SHANK

1/4" SHANK

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

Length (s)

1-3/16"

1-3/16"

1-3/16"







RPM

25,000

25,000

25,000

Std.

Pkg.

10

10

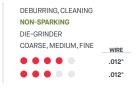
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95650

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



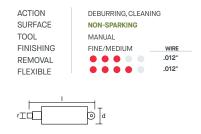
Used in hand cleaning applications. A sturdy twisted wire hand loop offers a comfortable grip.







Dia. (d)	Brush Length	Stem Diam.	Overall Length	Brass				Std.
				.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



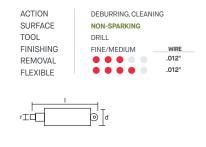
Reinforced made double stem, double spiral brushes are made with double stranded heavy gauge wire that can be easily and safely chucked into a power tool, drill or drill press.







Dia. (d)	Brush Length	Stem Diam.	Overall Length	Brass .006" .008" .010"		.010"	Std. 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

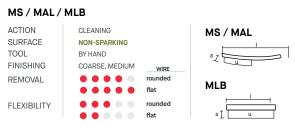






Model	No. of Rows	Block Size	Handle Type	Trim Length	Brass .012"	Std. Pkg.
VIP	5/8"	10" X 5/8"	Plastic	1-1/8"	85150	24
MS	3 x 13	10" X 1-1/8"	Wood	1-3/16"	80450	12
MAL	3 x 19	14" x 7/8"	Wood	1-3/16"	82390	12
MLB	3 x 7	7-1/2" X 1/2"	Wood	1/2"	84180	36
MLB	3 x 7	7-1/2" X 1/2"	Plastic	1/2"	84181	36







TB Single Stem, Single Spiral Hand Tube Brushes

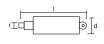


Used in hand cleaning applications. A sturdy twisted wire hand loop offers a comfortable grip.









Dia.	Brush	Stem	Overall	Carbon Steel				302 Stainless Steel				Std.
(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

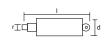




Dia.	Brush	Stem	Overall							
(d)	Length	Diameter	Length .005" .0		.010"	.012"	.014"	Pkg.		
1/4"	2"	3/32"	6-1/4"	94882				10		
3/8"	2"	3/32"	6-1/4"	94883				10		
1/2"	3"	1/8"	8-1/2"		94884			10		
3/4"	3"	1/8"	8-1/2"			94866		10		
1"	4"	5/32"	12-1/4"				94888	10		
1-1/4"	4"	5/32"	13"				94890	10		
2"	5"	3/16"	16-3/4"				94892	10		

ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBLE



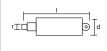


TB Double Stem, Double Spiral Power Tube Brushes



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 or drill press.

ACTION	DEBURRING, CLEANING					
SURFACE	STEEL / STAINLESS / ALUMINUM					
TOOL	DRILL, DRILL PRESS					
FINISHING	FINE/MEDIUM	WIRE				
REMOVAL	• • • • •	.012"				
FLEXIBLE	• • • • •	.012"				







Dia.	Dia. Brush Stem Overall				Carbon Steel					302 Stainless Steel				Std.		
	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



Dia (d)	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



D:= (4)	Brush	Stem	Overall	Carbon	Steel			302 Sta	inless Ste	el		Std.
Dia. (d)	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





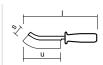


VIP Universal Hand Brush Plastic Handle





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 Box

Packing 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

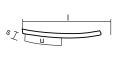






ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





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

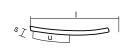






ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY





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

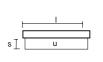
^{*}Equipped with metal scraper

MLB Small Inspection Scratch Brushes





ACTION CLEANING SURFACE STEEL / STAINLESS / ALUMINUM / NON-SPARKING TOOL BY HAND FINISHING COARSE, MEDIUM REMOVAL o rounded **FLEXIBILITY** rounded • • • flat



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

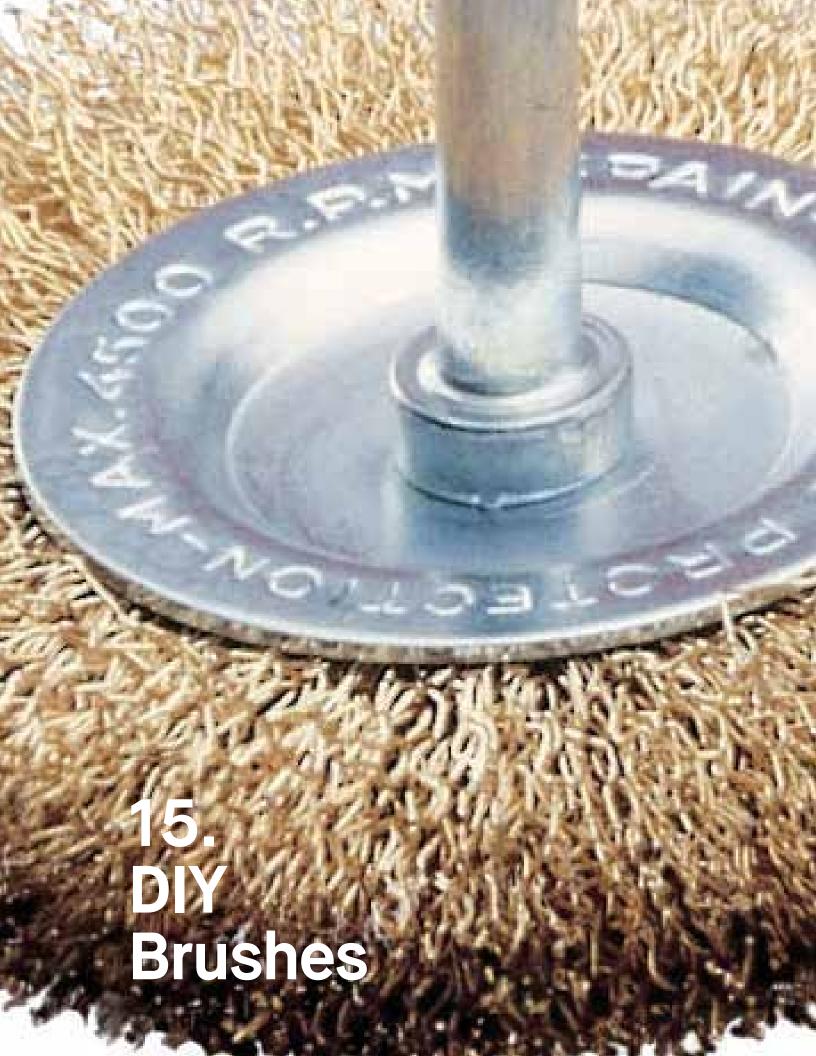
MF Acid/Flux Brushes







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



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

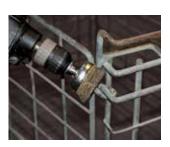






ACTION SURFACE TOOL FINISHING REMOVAL





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

WIRE .008" .020" .008" .020"

9365

90601

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



BBC DIY End Brushes - with Shank





ACTION SURFACE TOOL FINISHING REMOVAL

FLEXIBILITY



STEEL	
DRILL	
COARSE, MEDIUM, FINE	
• • • • •	.008
	.020"
	.008"
	.020"

DEBURRING, CLEANING

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.

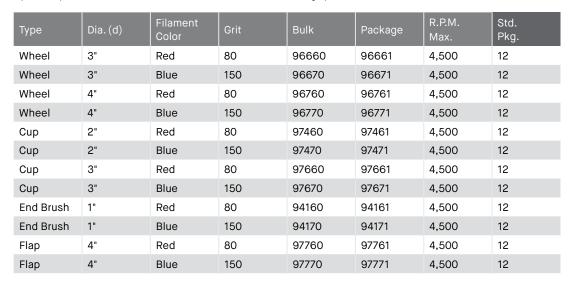
Applications

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.
- $\bullet \ \, \text{Stainless Steel and Aluminum.}$

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)	Ţrim Length	SILICON CARBIDE - Grit			DIAMOND - Grit		
<i>5.</i> a. (a)		(s)	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)	Ţrim Length	CERAMIC - Grit			ALUMINUM OX Grit		
Dia. (a)		(s)	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.

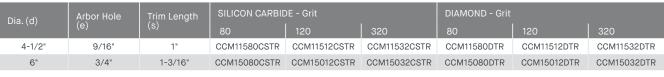
Applications

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	SILICON CARBIDE - Grit			DIAMOND - Grit		
	(e)	(s)	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)	Trim Length (s)	CERAMIC - Grit			ALUMINUM OX Grit		
Die	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

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.

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"	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	CERAMIC - Grit			ALUMINUM OX Grit		
(e)	(e)	(s)	80	120	320	80	120	320	
4-1/2"	9/16"	1"	CCM11580CRTF	CCM11512CRTF	CCM11532CRTF	CCM115800ATF	CCM115120ATF	CCM115320ATF	
6"	3/4"	1-3/16"	CCM15080CRTF	CCM15012CRTF	CCM15032CRTF	CCM150800ATF	CCM150120ATF	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. (u)	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

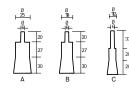
Dia. (d)	Trim Length	Arbor Hole (e)	Black Color 80 Grit	Red Color 120 Grit	Yellow Color 180 Grit	Blue Color 320 Grit	R.P.M. Max.
4"	1"	5/8"-11	CON 1010	CON 1011	CON 1012	CON 1013	3,000
5"	1"	5/8"-11	CON 1210	CON 1211	CON 1212	CON 1213	3,000
6"	1"	5/8"-11	CON 1410	CON 1411	CON 1412	CON 1413	3,000
10"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

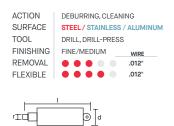
Abrasive Nylon Tube - Double Stem, Single Spiral

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	2-1/2"	1/4"	5-1/2"	92205	10
	.040/80 SC				92206	
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.









Tura	D:- (4)	Arbor Holo (a)	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





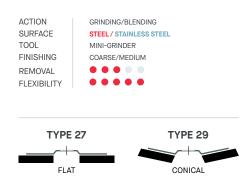
JAZ PRO Zirconia Flap Discs



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



53824





Type	Dia. (d)	Arbor Hole (e)	ZIRCONIA	ZIRCONIA			
Туре	Dia. (u)	Alboi noie (e)	40 Grit 60 Grit 80	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.









ACTION



GRINDING/BLENDING



57712

Typo	Dia (d)	Arbor Hole (e)	WICKED ZII	Max.	Std. Pkg.		
Туре	Dia. (d)	Alboi nole (e)	40 Grit 60 Grit 80 Grit	RPM			
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
FINISHING COARSE
REMOVAL
FLEXIBILITY



CONTAMINANT
FREE
Fe / S / CI
≤ 0.1%

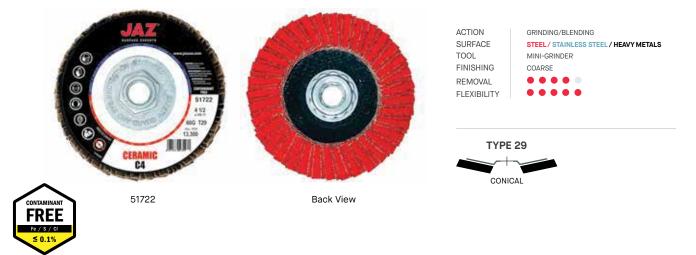
55821

Type	Dia. (d)	Arbor Hole (e)	CERAMIC	Max.	Std.		
Type Dia. (Dia. (u)		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.

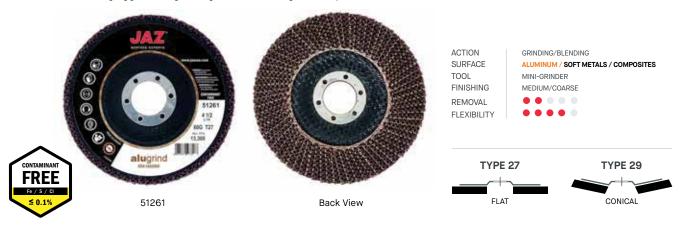


Туре	Dia. (d)	Arbor Hole (e)	C4 CERAMI	Max.	Std.		
			40 Grit	60 Grit	80 Grit	RPM	Pkg.
Type 29	4-1/2"	7/8"	51711	51721	51731	13,300	10
Type 29	4-1/2"	5/8"-11	51712	51722	51732	13,300	10

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.



Typo	Dia. (d)	Arbor Hole (e)	ALUGRIND	Max.	Std.			
Туре			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.







Side View

ACTION SURFACE TOOL FINISHING REMOVAL FLEXIBILITY 



Type	Dia. (d)	Arbor Hole (e)	ZIRCONIA	Max.	Std.				
Type Dia. (d)	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

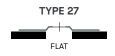
MFD Mini Zirconia Flap Discs

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





Туре	Dia. (d)	(d) Arbor Hole (e)	ZIRCONIA	Max.	Std.			
			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



50025



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

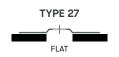


CERAMIC

40 Grit

58115

50915



120 Grit

58145

50945



Max. RPM	Std. Pkg.	
30,000	10	
20,000	10	

MFD Mini Alugrind Flap 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



Type	Dia.	Arbor Hole (e)	ALUGRINE	ALUGRIND				
Туре	(d)		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

50085



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.











50743

23,000 10



50723

Width	Arbor Hole (e)	ALUMINU	M OXIDE	Max.	Std.		
(s)		40 Grit	60 Grit	80 Grit	120 Grit	RPM	Pkg.
1"	1/4" Shank	55713	55723	55733	55743	30,000	10
1"	1/4" Shank	56713	56723	56733	56743	30,000	10
1"	1/4" Shank	57713	57723	57733	57743	25,000	10
1"	1/4" Shank	58713	58723	58733	58743	25,000	10
1"	1/4" Shank	59713	59723	59733	59743	23,000	10
	(s) 1" 1" 1"	(s) Hole (e) 1" 1/4" Shank 1" 1/4" Shank 1" 1/4" Shank 1" 1/4" Shank	(s) Hole (e) 40 Grit 1" 1/4" Shank 55713 1" 1/4" Shank 56713 1" 1/4" Shank 57713 1" 1/4" Shank 57713	(s) Hole (e) 40 Grit 60 Grit 1" 1/4" Shank 55713 55723 1" 1/4" Shank 56713 56723 1" 1/4" Shank 57713 57723 1" 1/4" Shank 58713 58723	(s) Hole (e) 40 Grit 60 Grit 80 Grit 1" 1/4" Shank 55713 55723 55733 1" 1/4" Shank 56713 56723 56733 1" 1/4" Shank 57713 57723 57733 1" 1/4" Shank 58713 58723 58733	(s) Hole (e) 40 Grit 60 Grit 80 Grit 120 Grit 1" 1/4" Shank 55713 55723 55733 55743 1" 1/4" Shank 56713 56723 56733 56743 1" 1/4" Shank 57713 57723 57733 57743 1" 1/4" Shank 58713 58723 58733 58743	(s) Hole (e) 40 Grit 60 Grit 80 Grit 120 Grit RPM 1" 1/4" Shank 55713 55723 55733 55743 30,000 1" 1/4" Shank 56713 56723 56733 56743 30,000 1" 1/4" Shank 57713 57723 57733 57743 25,000 1" 1/4" Shank 58713 58723 58733 58743 25,000

50723

50733

IFW Interleafed Flap Wheels

1/4" Shank

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

50713

Dia.	Face	Arbor (e)	Aluminum	Max.	Std.			
(d) Width (s)	Width (s)		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





56723

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)	Width (s)			ALUMINUM OXIDE 60 Grit 80 Grit		Std. Pkg.
6"	1"	1"	56765	56766	6,000	1





















EXP General Exhibitor

Order Code	Qty.	Item	Dimensions
EXP 4250	4	72052	
	4	73000	
	4	73010	
	4	72082	
	4	72950	
	4	73900	
	4	73910	
	4	72980	
	6	48052	
	6	78052	82" x 24-1/2" x 17"
	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
EXP 9640	3	72052	
	3	73000	
	3	73010	
	3	48052	
	3	48082	
	3	78052	
	3	78082	00 0 /411 04 4 /411
	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	
	6	72950	32-3/4" x 21-1/4" x
	6	72980	12-1/4"
	3	73910	
	2	64900	
	6	54950	



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 Information

BSP 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.	
		3/8"	1/4"	BS6010E	BS6010Z	4,500
		1/2"		BS6012E	BS6012Z	
		9/16"		BS6014E	BS6014Z	
		5/8"		BS6016E	BS6016Z	
	BS 2-3/8"	11/16"		BS6018E	BS6018Z	
BS		3/4"		BS6020E	BS6020Z	
		7/8"		BS6022E	BS6022Z	
	15/16"		BS6024E	BS6024Z		
		1"		BS6026E	BS6026Z	
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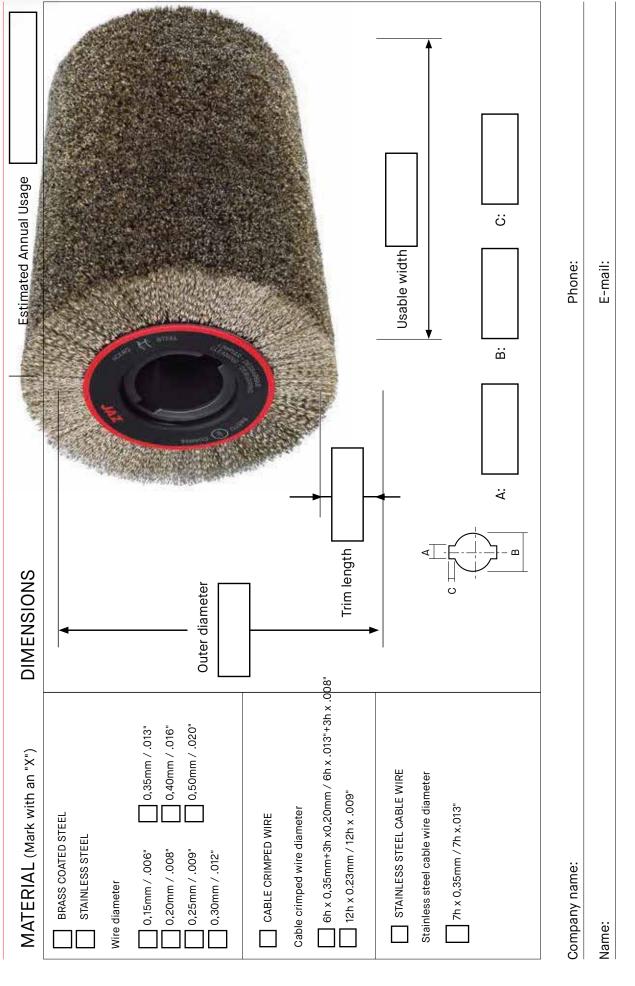




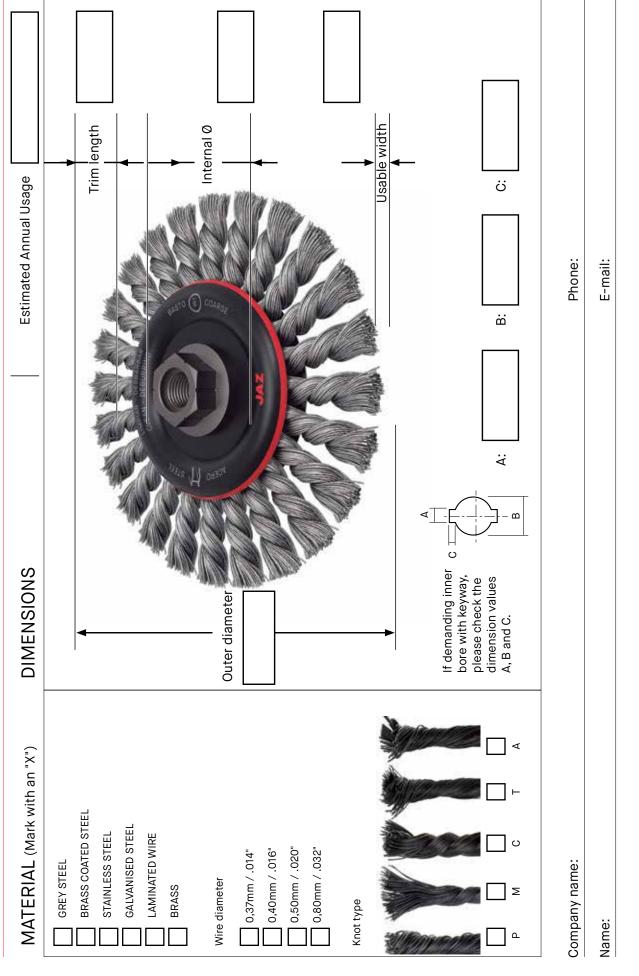
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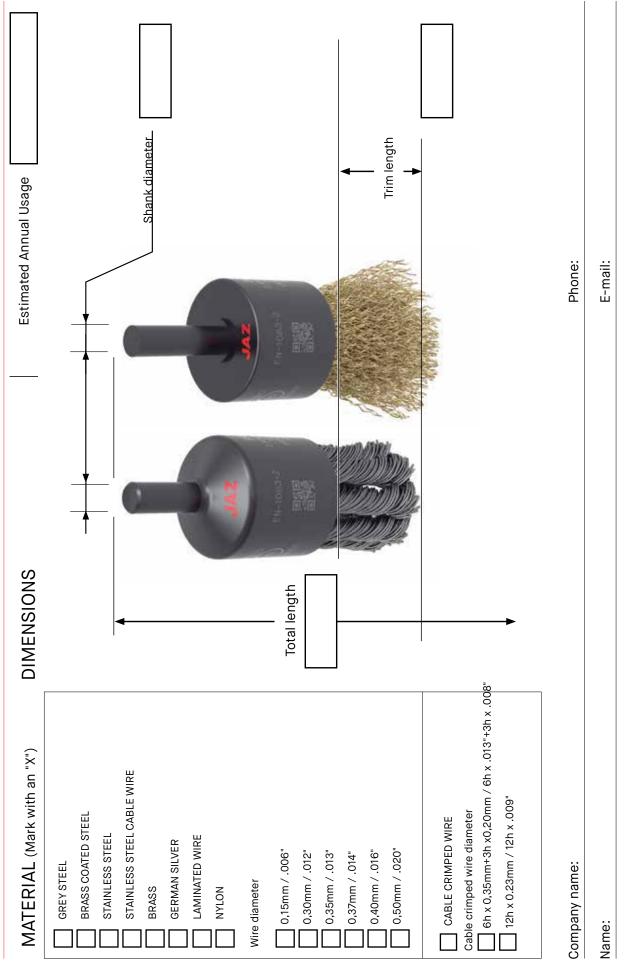
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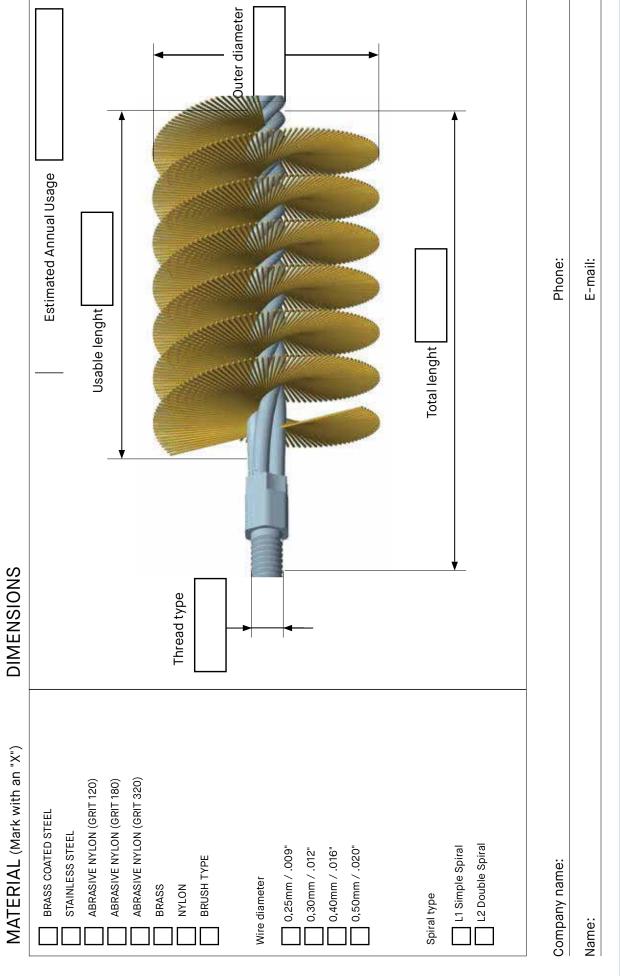
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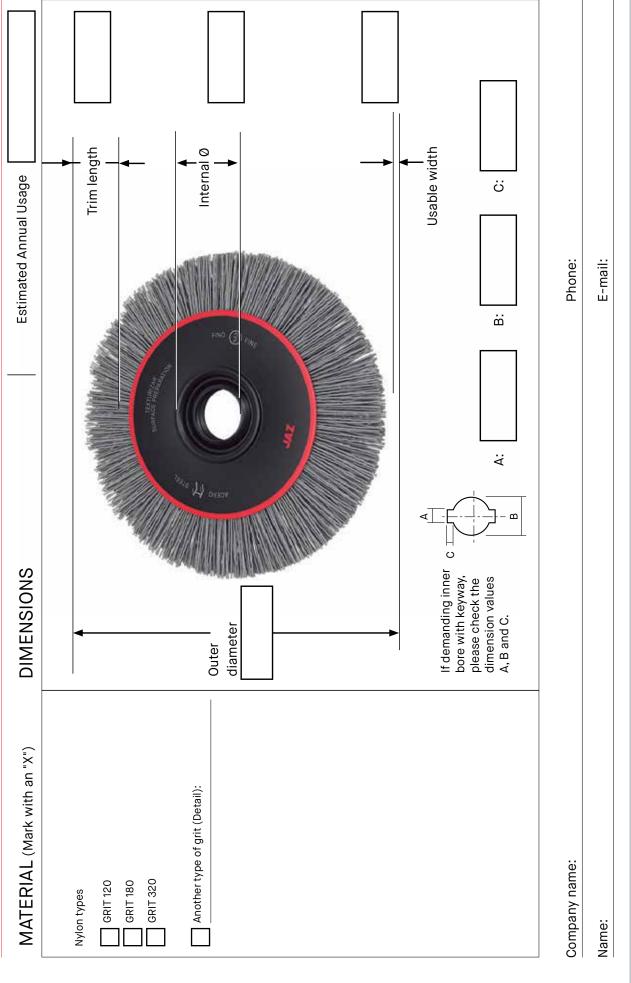
Drawing for brush type tube brushes



Drawing for brush type TO

Estimated Annual Usage	Outer diameter	Phone:	E-mail:
DIMENSIONS			
MATERIAI (Mark with an "x")	GREY STEEL BRASS COATED STEEL STAINLESS STEEL BRASS LAMINATED WIRE Wire diameter 0,12mm / .005" 0,12mm / .006" 0,15mm / .006" 0,20mm / .008" 0,80mm / .032" 0,80mm / .032" CABLE CRIMPED WIRE Cable crimped wire diameter 6 h X 0,35mm + 3h X 0,20mm / 6 X .013" + 3h X 12h X 0.23mm / 12 X .009" STAINLESS STEEL CABLE WIRE Stainless steel cable wire diameter 7 h X 0,35mm / 7h X .013"	Company name:	Name:

DNA nylon abrasive wheel brushes drawing



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95430	48	BSP0010E 100	CCM11532DTF 85	CCM15080DTF 85	
95440	48	BSP0010Z 100	CCM11532DTR 84	CCM15080DTR 84	
95440(316)	66	BSP0013E 100	CCM115320ABU 84	CCM150800ABU 84	
95450	69	BSP0013Z 100	CCM115320AFL 85	CCM150800AFL 85	
95500	48	BSP0014E 100	CCM115320ATF 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	
95730	48	BSP0040E 100	CCM115800ABU 84	CON 2510 87	
95740	48	BSP0040Z 100	CCM115800AFL 85	CON 2511 87	
96660	81	BSP0044E 100	CCM115800ATF 85	CON 2512 87	
96661	81	BSP0044Z 100	CCM115800ATR 84	CON 2513 87	
96670	81	BSP0050E 100	CCM15012CRBU 84	CUCB92524@ 45	
96671	81	BSP0050Z 100	CCM15012CRFL 85	CUCB92524C 45	
96760	81	CA 73080K51 27	CCM15012CRTF 85	CUCB92524H 45	
96761	81	CA 73080L51 27	CCM15012CRTR 84	CUCB92524N 45	
96770	81	CA 73580K51 27	CCM15012CSBU 84	CUCB92524Q 45	
96771	81	CA 73580K83 27	CCM15012CSFL 85	CUCB92524@Z 45	
97460	81	CA 73580L51 27	CCM15012CSTF 85	CUCB92536@ 45	
97461	81	CA 73580L83 27	CCM15012CSTR 84	CUCB92536C 45	
97470	81	CA 82552K51 27	CCM15012DBU 84	CUCB92536H 45	
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

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

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





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