

INDUSTRIAL BRUSHES

A guide to brush selecting for:

Surface preparation

Cleaning

Removing

Finishing

Deburring



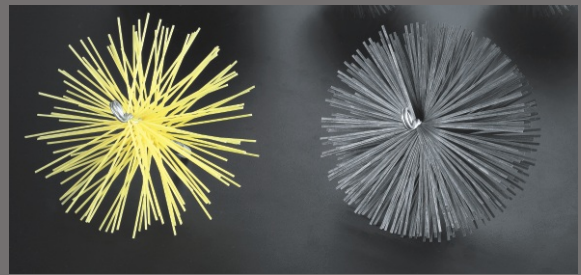
FREWIND TOOLS



www.frewind.com



CUP BRUSHES, KNOT WIRE



Chimney Brushes



CUP BRUSHES, CRIMPED WIRE



End Brushes



Tube Brushes



Scratch Brushes with Plastic Handle



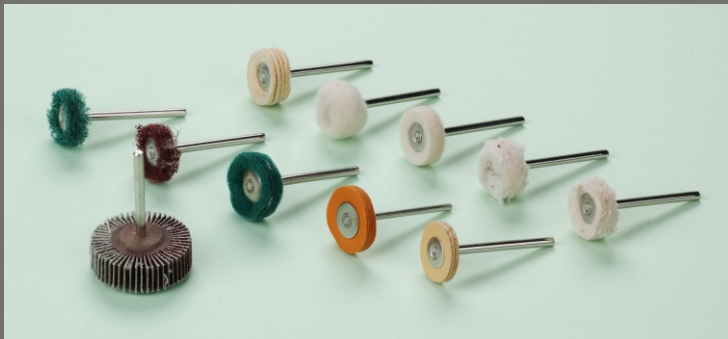
DIY-Brushes Sets



Abrasive Brushes



Scratch Brushes



Miniature Brushes



Other

FREWIND

Briefs

FREWIND is one of the earliest manufacturers of high quality power brushes in china that stretches back to 1990. Today's produce line covers a complete range of industrial wire brushes which meet most of the requirements for the industry and hobby.

At FREWIND, continuous improvement means constant innovation. This catalog describes our stocked standard but our technical persons would be pleased to answer your specific brushing problem and to develop special solutions for you.

Join in us, share with us.

What's we offer you

QUALITY: Always with high quality materials.

Long lifetime and peak performance Guaranteed.

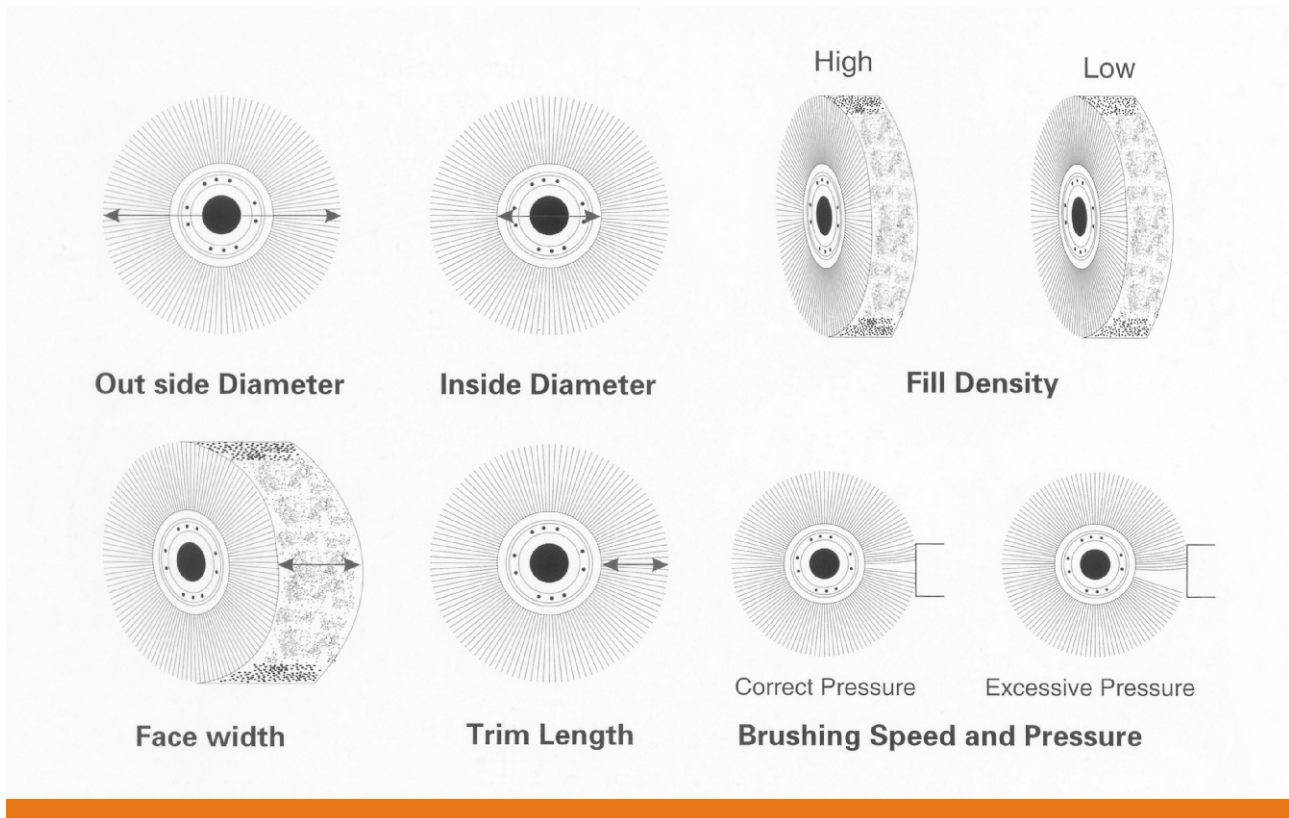
PRICE: Competative prices, valued goods.

DELIVERY: Lmmediate. We would prepare stocks for regular orders.

SERVICE: Special solutions to your brushing problems.

MARKETING POLICY: Especially welcome agent business. Your benefits, including one's of all FREWIND overseas and domestic dealers, customers and users, are just our benefits.

TERMNNOLOGY



Outside Diameter

A large brush diameter results in a more efficient finishing tool. Diameter 12" above is usually best for non-metallic types. Size for portables tools should not exceed 6" for any fill material.

Inside Diameter

Increasing the inside diameter of a brush while maintaining the outside diameter results in a stiffer, less flexible brush face since it effectively reduces the trim length.

Fill Density

High density brushes produce finer surface finishes and are also used where fast cutting required. Low density brushes offer greater flexibility. Face width Multi-section brushes or multiple mounted single brushes have a wider face width and require more horse power.

Trim Length

A short trim length makes a stiff fast cutting brush, while a long trim length gives a brush the flexibility required on irregular surfaces.

Brushing Speed and Pressure

In most operations, a lower speed than that specified will prove more efficient for you. Lower speeds and lighter pressure give longer brush life and require less power.

Steel Wire Quality

Straight wire used in knot-type brushes and provides maximum impact action. Crimped wire is used in conventional brushed of all types. For how to choose fill types please refer to next page.

Straight Wire



Crimped Wire

FILL MATERIALS

Wire type

specific gravity g/cm³
tensile strength*up to n/mm²
temperature stability**(in0C)
*at wire size 0.30
**at continuous load

S	S-T	SS	BS	B
7.85	7.85	7.90	7.85	8.5
2000	2100	2300	2600	900
300	350	450	300	180

Fill type

“soft”

B brass wire(cuzn)
straight crimped,dia.
0.06mm to 0.50mm

AS abrasive nylon
sic or ao,k80-k320
crimped

“Medium”

S steel wire,natural
hard,crimped,dia.
0.60mm to 0.80mm

SS stainless steel wire,
acid resistant,crimped or straight,dia.
0.30mm to 1.00mm

“hard”

S-T steel wire,tempered,
straight,dia.0.30mm to 1.20mm

BS brass-coated steel
wire,single wire,springy,cnrimped,
dia.0.15mm

GS galvanized steel wire,
natural hard,crimped,
dia.0.06mm to 0.80mm

Fill type	Uses	Derust	Debur	Roughen	Abrade	Polish	Seal	Apply	Clean	Grease	Mat	Descade	Remove paint	Stainl. Material	Food industry	Medicine	Textiles
Steel wire 0.08-1.08mm		■	■	■							■	■					
Stainless steel wire 0.1-0.8mm															■	■	■
Brass wire 0.08-0.03mm						■					■					■	
Nylon 6.0-8.12 0.10-1.7mm																	
Abrasive filaments sic and ao.K80-K30			■	■	■	■				■							
Fibre						■		■		■							
Horse hair							■	■								■	
Bessemer wire 0.1-0.40mm						■				■	■						

Safety requirements

1.HANDLING:

While inspection,storage,fitting the brushes,be care to avoid the injury by the wires.

2.OPERATING:

In brushing operation,the potential of serious injury exists for both the operator and others in work fielde.

SO SAFETY GOGGLES,OR FULL FACE SHIELDS AND PROTECTIVE CLOTHING MUST BE USED BY ALL OF THE PERSONS IN WORK FIELDS.

3.EQUIPMENT CONDITION:

Proper maintenance of machines and power tools is essential to keep them in safety operating condition.

4.RUNNING SPEED:

Observe all speed restrictions indicated on the brushes or the packings,labels and this catalog.

5.BRUSHING PRESSURE:

Excessive pressure may causes overbending of the filaments as to breakage.

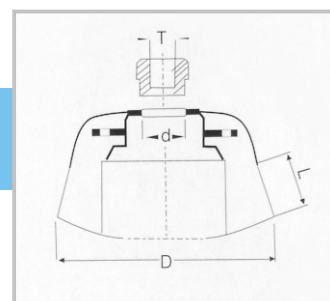


CUP BRUSHES, KNOT WIRE

Frewind high quality knot wire cup brushes are efficient tools for fast heavy-duty cleaning of large metal surfaces. They are specially designed for portable tools.

APPLICATIONS:

Removal of weld seams, rust, paint, scale.



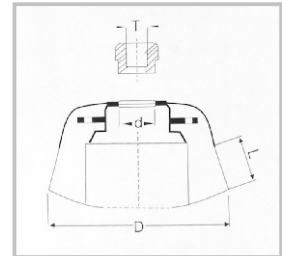
Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	d	T	L	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm		Art.Number	Art.Number	Art.Number	最高转速	cm	pc
65	16	M10X1.5	20	A10116510150	A10126510150	A10136510150	12500	39X31X29	80
		M10X1.25		A10216510125	A10226510125	A10236510125			
		M14X2		A103165142	A103265142	A103365142			
		MM5/8-11NC		A1041655/811	A1042655/811	A1043655/811			
75	22.2	M10X1.5	25	A10517510150	A10527510150	A10537510150	12500	42X34X24	60
		M10X1.25		A10617510125	A1062750125	A1063750125			
		M14X2		A107175142	A107275142	A107375142			
		MM5/8-11NC		A1081755/811	A1083755/811				
85	22.2	M10X1.5	25	A0918510150	A10928510150	A10938510150	8500	42X18X38	50
		M10X1.25		A11018510125	A11028510125	A11038510125			
		M14X2		A111185142	A111285142	A111385142			
		MM5/8-11NC		A1121855/811	A1122855/811	A1123855/811			
100	22.2	M10X1.5	25	A113110010150	A113210010150	A113310010150	8500	54X22X43	50
		M16X2		A1141100162	A114200162	A1143100162			
		M14X2		A1151100142	A1152100142	A1153100142			
		MM5/8-11NC		A11611005/811	A1162005/811	A11631005/811			
125	22.2	M10X1.5	25	A117112510150	A117212510150	A117312510150	6500	52X26X48	40
		M16X2		A1181125162	A1182125162	A1183125162			
		M14X2		A1191125142	A1192125142	A1193125142			
		MM5/8-11NC		A12011255/811	A12021255/811	A12031255/811			
150	22.2	M10X1.5	25	A121115010150	A121215010150	A121315010150	4500	47X32X41	24
		M16X2		A1221150162	A1222150162	A1223150162			
		M14X2		A1231150142	A1232150142	A1233150142			
		MM5/8-11NC		A12411505/811	A12421505/811	A12431505/811			

CUP BRUSHES WITH BRIDLE RING, KNOT WIRE, HEAVY DUTY

The brushes are heavy duty rugged, efficient, and fast on variety of maintenance of cleaning the removable bridle prevents the trim from flexing.

APPLICATIONS:

Large surface preparation/removal paint, weld scale.



Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	d	T	L	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm		Art.Number	Art.Number	Art.Number	最高转速	cm	pc
65	16	M10X1.5	20	A20116510150	A20126510150	A20136510150	12500	39X31X29	80
		M10X1.25		A0216510125	A20226510125	A20236510125			
		M14X2		A203165142	A203265142	A203365142			
		MM5/8-11NC		A2041655/811	A2042655/811	A2043655/811			
80	22.2	M10X1.5	25	A20518010150	A20528010150	A20538010150	8500	42X34X24	60
		M10X1.25		A20618010125	A2062800125	A2063800125			
		M14X2		A207180142	A207280142	A207380142			
		MM5/8-11NC		A2081805/811	A2082805/811	A2083805/811			
90	22.2	M10X1.5	25	A20919010150	A20929010150	A20939010150	8500	54X22X35	40
		M16X2		A210190162	A210290162	A210390162			
		M14X2		A211190142	A211290142	A211390142			
		MM5/8-11NC		A21211905/811	A2122905/811	A2123905/811			
100	22.2	M10X1.5	25	A213110010150	A213210010150	A213310010150	7000	54X22X35	40
		M16X2		A2141100162	A214200162	A2143100162			
		M14X2		A2151100142	A2152100142	A2153100142			
		MM5/8-11NC		A21611005/811	A21621005/811	A21631005/811			
125	22.2	M10X1.5	25	A217112510150	A217212510150	A217312510150	6000	47X26X27	20
		M16X2		A2181125162	A2182125162	A2183125162			
		M14X2		A2191125142	A2192125142	A2193125142			
		MM5/8-11NC		A22011255/811	A22021255/811	A22031255/811			
150	22.2	M10X1.5	25	A221115010150	A221215010150	A221315010150	4500	47X32X41	24
		M16X2		A2221150162	A2222150162	A2223150162			
		M14X2		A2231150142	A2232150142	A2233150142			
		MM5/8-11NC		A22411505/811	A22421505/811	A22431505/811			

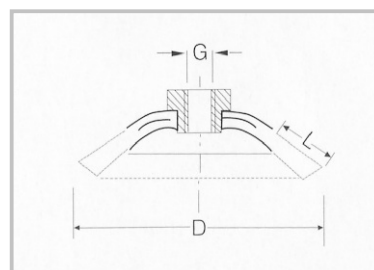


BEVEL BRUSHES FOR MINI GRINDER, KNOT WIRE

Aggressive tools developed specially for work in hard-to-reach places such as edges and Corners.

APPLICATIONS:

Working on weld seams and spot-welds/removal of tough compounds, sealing compounds.



Dimension 尺寸			Fill type 丝型			RPM MAX	MEAS	QTY
D	L	G	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
100	20	M10X150	A301110010150	A301210010150	A301310010150	12500	35X24X48	60
		M10X1.25	A302110010125	A302210010125	A302310010125			
		M14X2	A3031100142	A3032100142	A3033100142			
		MM5/8-11NC	A30411005/811	A30421005/811	A30431005/811			
115	25	M10X150	A305111510150	A305211510150	A305311510150	4500	39X27X51	60
		M10X1.25	A306111510125	A306111510125	A306111510125			
		M14X2	A3071115142	A3071115142	A3071115142			
		MM5/8-11NC	A30811155/811	A30821155/811	A30831155/811			
125	25	M10X150	A309112510150	A309212510150	A309312510150	4500	41X29X56	60
		M10X1.25	A310112510125	A310212510125	A310312510125			
		M14X2	A3111125142	A3112125142	A3113125142			
		MM5/8-11NC	A31211255/811	A31221255/811	A31231255/811			



Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	B	L	d	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
75	11	17	12.7	A4011751117	A4012751117	A4013751117	20000	55X23X35	100
100	11	22	16	A40211001122	A40221001122	A40231001122	11000	41X28X36	100
115	11	22	22.2	A40311151122	A40321151122	A40331151122	11000	41X28X36	60
125	11	28	22.2	A40411251128	A40421251128	A40431251128	11000	34X34X37	45
150	13	34	22.2	A40511501334	A40521501334	A40531501334	9000	39X20X40	24
175	13	42	22.2	A40611751342	A40621751342	A40631751342	9000	43X22X40	20
200	13	42	22.2	A40712001342	A40722001342	A40732001342	6000	42X21X35	20
150	8/14/18	50	50	A40812505050	A40822505050	A40832505050	4500	47X32X38	24
300	8/14/18	55	57	A40913005557	A40923005557	A40933005557	3600	32X25X32	10
350	8/14/18	65	81	A410135065	A410235065	A410335065	3600	38X29X39	10
400	8/14/18	150	63	A411400150	A4112400150	A4113400150	3600	43X32X43	10

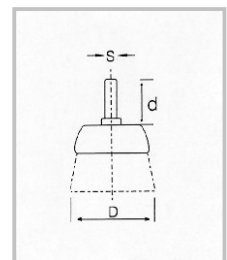


CUP BRUSHES WITH SHANK FOR HAND DRILL, KNOT WIRE

This brush is a rugged efficient tool for fast, heavy-duty cleaning of larger metal surfaces.

APPLICATIONS:

For removal of weld scale, rust, old paint and corrosion, cleaning and surface preparation of metals.



Dimension 尺寸			Fill type 丝型			RPM MAX	MEAS	QTY
D	d	S	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
65	20	6	A501165206	A501265206	A501365206	4500	43X34X38	120
75	20	6	A502175206	A502275206	A502375206	4500	40X32X33	120
100	20	6	A5031100206	A5032100206	A5033100206	4500	55X34X30	60

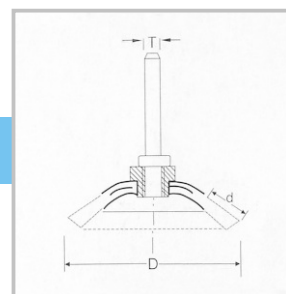


BEVEL BRUSHES WITH SHANK FOR HAND DRILL, KNOT WIRE

Aggressive tools developed specially for work in hard-to-reach place such as edges and corners.

APPLICATIONS:

Working on weld seams and spot-welds. removal of tough compounds. Sealing compounds and stubborn adhesive residues.



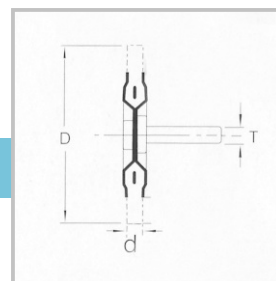
Dimension 尺寸			Fill type 丝型			RPM MAX	MEAS	QTY
D	d	T	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
75	20	6	A601175206	A601275206	A601375206	4500	40X32X33	100
100	20	6	A6021100206	A6022100206	A6023100206	4500	43X42X33	60

KNOT WIRE WHEEL BRUSHES WITH SHANK FOR HAND DRILL

This brush is designed to operate at high speeds, making surface cleaning fast, efficient.

APPLICATIONS:

Maintenance, cleaning of metals and other surfaces.



Dimension 尺寸			Fill type 丝型			RPM MAX	MEAS	QTY
D	d	T	S-T0.35(0.5)	BS0.35(0.5)	SS-0.35(0.5)			
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
75	20	6	A701175206	A701275206	A701375206	4500	51X35X34	120
100	12	6	A7021100206	A7022100206	A7023100206	4500	54X36X25	120

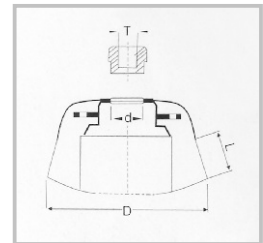
Dimension				Fill type						RPM.MAX	MEAS	QTY
D	D1	S	L	S0.3	S0.5	BS0.3	BS0.5	BS0.3	BS0.5			
mm	mm	mm	mm	Art.Number	Art.Number	Art.Number	Art.Number	Art.Number	Art.Number		cm	pc
12	10	6	20	G501112	G501212	G501312	G501412	G501512	G501612	4500	56X28X36	240
17	15	6	22	G502117	G502217	G502317	G502417	G502517	G502617	4500	56X28X36	240
24	22	6	25	G503124	G503224	G503324	G503424	G503524	G503624	4500	56X32X55	240
30	28	6	25	G504130	G504230	G504330	G504430	G504530	G504630	4500	56X32X55	240

CUP BRUSHES, CRIMPMED WIRE, MEDIUM DUTY

The brushes designed for light and medium-duty application on a variety of high-speed air and power tools.

APPLICATIONS:

Removal of rust, corrosion/generally for surface finishing.



Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	T	d	L	S0.2(0.3)	BS0.3	SS0.3			
mm	mm			Art.Number	Art.Number	Art.Number	最高转速	cm	pc
65	M10X1.5		20	B1011651015	B1012651015	B1013651015	12500	39X32X36	100
	M10X1.25			B10216510125	B10226510125	B10236510125			
	M14X2			B103165142	B103265142	B103365142			
	M5/8-11NC	16		B1041655/811	B1042655/811	B1043655/811			
75	M10X1.5		22	B1051751015	B1052751015	B1053751015	12500	42X34X31	80
	M10X1.25			B10617510125	B10627510125	B10637510125			
	M14X2			B107175142	B107275142	B107375142			
	M5/8-11NC	22.2		B1081755/811	B1082755/811	B1083755/811			
85	M14X2		24	B109185142	B109285142	B109385142	12500	42X34X31	80
	M5/8-11NC	22.2		B1101855/811	B1102855/811	B1103855/811			
100	M14X2		25	B111100142	B1112100142	B1113100142	8500	55X38X34	60
	M5/8-11NC	22.2		B11211005/811	B11221005/811	B11231005/811			
125	M14X2		30	B1131125142	B1132125142	B1133125142	8500	48X27X27	20
	M5/8-11NC	22.2		B11411255/811	B11421255/811	B11431255/811			
150	M14X2		32	B1151150142	B1152150142	B1153150142	4500	47X32X41	24
	M16X2			B1161150162	B1162150162	B1163150162			
	M5/8-11NC	22.2		B11711505/811	B11721505/811	B11731505/811			

CUP BRUSHES, CRIMPMED WIRE, MEDIUM DUTY

Heavy-duty cup brushes are designed for wide area brushing which is filled very densely for high efficiency finishing

APPLICATIONS:

For cleaning of large metal surface/edge blending/rust removal

Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	T	d		S0.2(0.3)	BS0.3	SS0.3			
mm	mm			Art.Number	Art.Number		最高转速	cm	pc
125	M14X2	22.2		B1501125142	B1502125142	B1503125142	6000	64X38.5X26	40

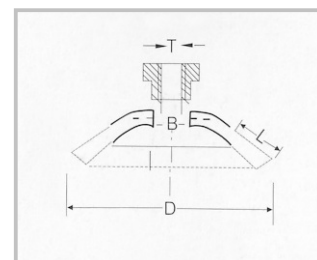


BEVEL BRUSHES FOR MINI GRINDER, CRIMPED WIRE

This brush developed specially for work in haed-to-reach places such as Edges and comers.

APPLICATIONS:

Working on weld seams and spot-welds/removal of tough compounds, Sealing compounds and adhesive residues.



Dimension 尺寸				Fill type 丝型			RPM MAX	MEAS	QTY
D	L	B	T	S0.2(0.3)	BS0.3	SS0.3			
mm	mm			Art.Number	Art.Number	Art.Number	最高转速	cm	pc
75	15	16	M10X1.5	B2011751015	B2012751015	B2013751015	12500	40X32X33	100
			M10X1.25	B20217510125	B20227510125	B20237510125			
			M14X2	B203175142	B203275142	B203375142			
			M5/8-11NC	B2041755/811	B2042755/811	B2043755/811			
100	20	16	M10X1.5	B20511001015	B20521001015	B20531001015	12500	35X24X48	60
			M10X1.25	B206110010125	B206210010125	B206310010125			
			M14X2	B2071100142	B2072100142	B2073100142			
			M5/8-11NC	B20811005/811	B20821005/811	B20831005/811			
115	27	22.2	M10X1.5	B20911151015	B20921151015	B20931151015	4500	39X27X51	60
			M10X1.25	B210111510125	B210211510125	B210311510125			
			M14X2	B2111115142	B2112115142	B2113115142			
			M5/8-11NC	B21211155/811	B21221155/811	B21231155/811			
125	28	22.2	M10X1.5	B21311251015	B21321251015	B21331251015	4500	41X29X56	60
			M10X1.25	B214112510125	B214212510125	B214312510125			
			M14X2	B2151125142	B2152125142	B2153125142			
			M5/8-11NC	B21611255/811	B21621255/811	B21631255/811			

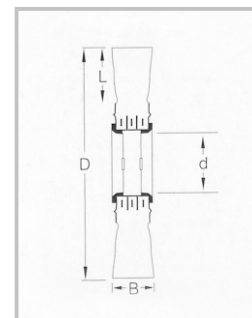


WIDE FACE WHEEL BRUSHES, CRIMPED WIRE

The brushes are heavily filled and provide fast, efficiency brushing, which fit directly onto 30mm diameter arbors without adapters. plastic or steel adapters for mounting onto small shaft must be specified. adapter sizes: 1/2", 5/8", 3/4", 7/8", 1"

APPLICATIONS:

deburning/surface finishing/rust removal/Ideal bench motor brush



Dimension 尺寸			Fill type 丝型			RPM MAX	MEAS	QTY
D	B	L	S0.2	S0.3	BS0.3			
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
100	25	17	B3011002517	B30121002517	B30131002517	6000	33X23X35	60
125	25	30	B30211252530	B30221252530	B30231252530	6000	41X28X36	60
150	30	29	B30311503029	B30321503029	B30331503029	6500	34X34X40	40
175	30	25	B30411753025	B30421753025	B30431753025	4500	39X39X40	40
200	30	42	B30512003042	B30522003042	B30532003042	4500	42X22X40	20
250	50	47	B30612505047	B30622505047	B30632505047	3600	53X27X40	20
300	50	50	B30713005050	B30723005050	B30733005050	3600	32X25X32	10

Fixed arbor hole size

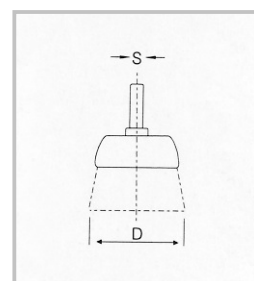
1/2", 3/4", 5/8", 7/8", 1",

FREWIND



CUP BRUSHES WITH SHANK CRIMPED WIRE.

Dimension 尺寸		Fill type 丝型					
D	S	S0.2	S0.3	BS0.3	RPM MAX	MEAS	QTY
mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
50	6	B4001506	B4002506	B4003506	4500	43X34X37	120
63	6	B4011636	B4012636	B4013636	4500	43X34X38	120
75	6	B4021756	B4022756	B4023756	4500	54X34X44	120



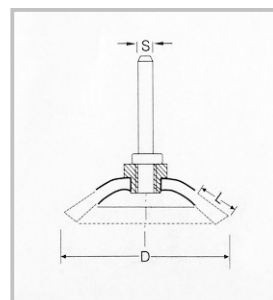
BEVEL WHEEL BRUSHES WITH SHANK, CRIMPED WIRE

This brush is designed for hand drill and drill press for internal and external cleaning and deburring

APPLICATION:

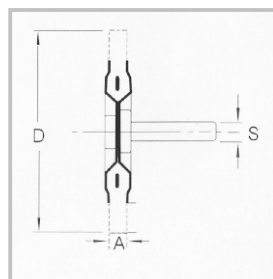
Removal of rust, paint, scale, dirt, weld spatter/Ideal for drill press

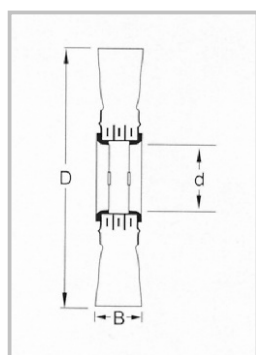
Dimension 尺寸		Fill type 丝型				
D	S	S0.2(0.3)	BS0.3	RPM MAX	MEAS	QTY
mm	mm	Art.Number	Art.Number	最高转速	cm	pc
38	6	B5001386	B5002386	4500	40X31X42	180
50	6	B5011506	B5012506	4500	40X33X34	216
63	6	B5021636	B5022636	4500	50X30X39	120
75	6	B5031756	B5032756	4500	40X32X33	100
100	6	B50411006	B50421006	4500	43X42X33	60



WHEEL BRUSHES WITH SHANK, CRIMPED WIRE

Dimension 尺寸			Fill type 丝型				
D	S	A	S0.2(S0.3)	BS0.3	RPM MAX	MEAS	QTY
mm	mm	mm	Art.Number	Art.Number	最高转速	cm	pc
38	6	5	B60113865	B60133865	4500	51X29X28	120
50	6	7	B60215067	B60235067	4500	51X29X28	120
63	6	9	B60316369	B60336369	4500	51X35X34	120
75	6	10	B604175610	B604375610	4500	47X35X34	120
100	6	12	B6051100612	B6053100612	4500	54X36X25	120

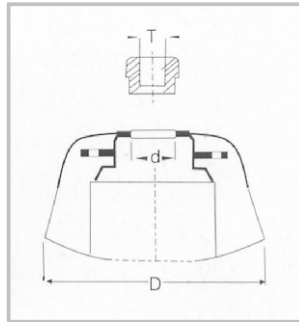




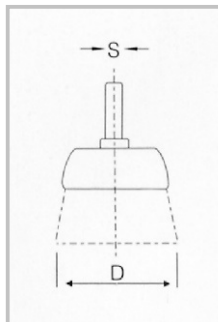
Dimension 尺寸			Fill type 丝型					
D	d	B	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
mm	mm	mm	Art.Number	Art.Number	Art.Number		cm	pc
100	20	18	C10111002018	C10121002018	C10131002018	6000	43X42X33	60
125	20	20	C10211252020	C10221252020	C10231252020	6000	64X38.5X25	45
150	32	20	C10311503220	C10321503220	C10331503220	6500	47X32X38	24
175	32	20	C10411753220	C10421753220	C10431753220	4500	38X18X35	20

Dimension 尺寸			Fill type 丝型					
D	d	B	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
75	12.7	7	C2011757	C20127575	C2013757	4500	40X32X33	100
100	15.9	8	C20211008	C20221008	C20231008	4500	43X42X33	60
125	15.9	10	C203112510	C203212510	C203312510	4500	64X38.5X25	45
150	15.9	10	C204115010	C204215010	C204315010	3750	47X32X38	24
175	15.9	10	C205117510	C205217510	C205317510	3750	38X18X35	20
200	15.9	10	C206120010	C206220010	C206320010	3750		

FREWIND



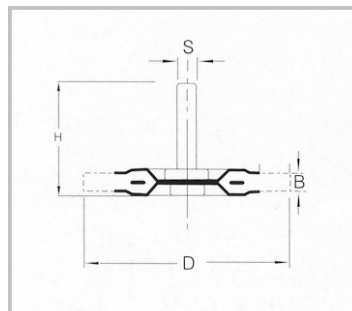
Dimension 尺寸		Fill type 丝型					
D	d	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
65	16	C30116516	C30126516	C30136515	12500	39X32X36	100
75	22.2	C302175222	C302275222	C302375222	12500	42X34X31	80
85	22.2	C303185222	C303285222	C303385222	12500	42X34X31	80
100	22.2	C3041100222	C3042100222	C3043100222	8500	55X38X34	60
125	22.2	C3051125222	C3052125222	C3053125222	6500	48X27X27	20
150	22.2	C3061150222	C3062150222	C3063150222	4500	47X32X41	24



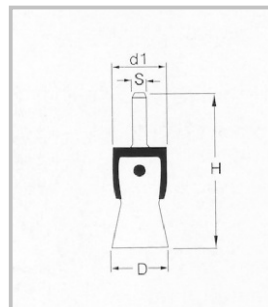
Dimension 尺寸			Fill type 丝型					
D	S	H	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
mm	mm	mm	Art.Number	Art.Number	Art.Number	最高转速	cm	pc
50	6	30	C401150630	C401250630	C401350630	4500	40X33X34	216
63	6	30	C402163630	C402263630	C402363630	4500	50X30X39	120
75	6	30	C403175630	C403275630	C403375630	4500	40X32X33	100



FREWIND



Dimension 尺寸				Fill type 丝型					
D	H	S	B	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
38	30	6	5	C50113865	C50123865	C50133865	4500	40X31X42	180
50	30	6	5	C50215065	C50225065	C50235065	4500	40X33X34	216
63	30	6	6	C50316366	C50326366	C50336366	4500	50X30X39	120
75	30	8	8	C50417568	C50427568	C50437568	4500	40X32X33	100
100	30	6	8	C505110068	C505210068	C515310068	4500	43X42X33	60

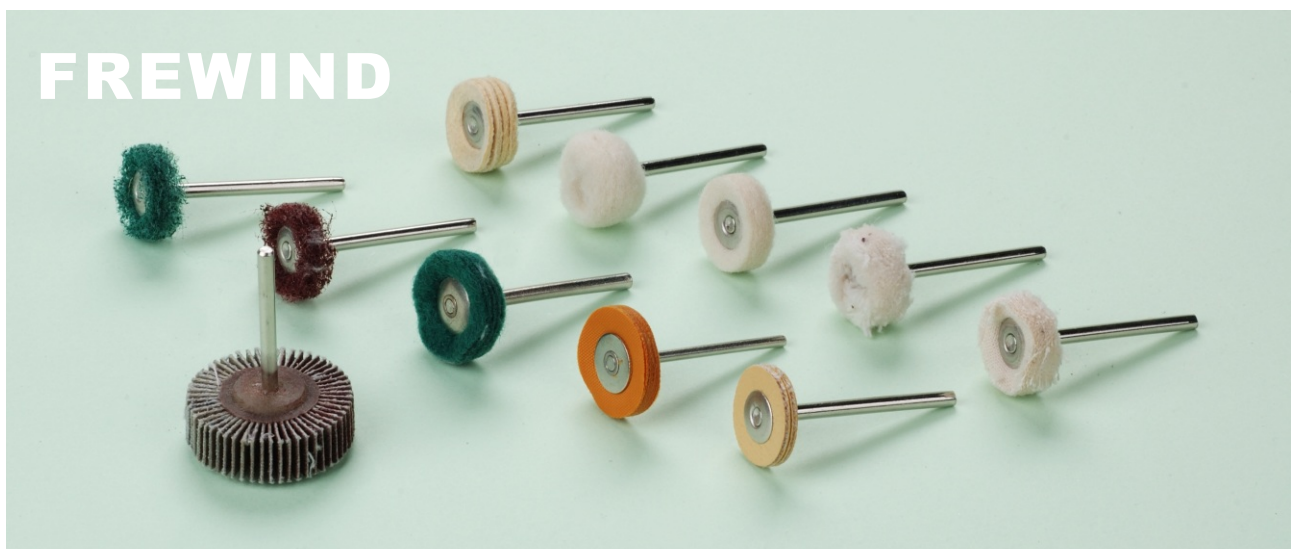


Dimension 尺寸			Fill type 丝型					
D	S	H	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
mm	mm	mm	Art.Number	Art.Number	Art.Number		cm	pc
12	6	17	C601112	C601212	C601312	4500	56X28X36	240
17	6	17	C602117	C602217	C602317	4500	56X28X36	240
24	6	17	C603124	C603224	C603324	4500	56X32X55	240
30	6	17	C504130	C604230	C604330	4500		



Dimension 尺寸			Fill type 丝型					
D	S	H	AS0.55/320	AS0.90/180	AS1.00/120	RPM MAX	MEAS	QTY
mm	mm	mm	Art.Number	Art.Number	Art.Number		cm	pc
100	6	30	C7011100	C7012100	C713100	3500	43X42X33	60

FREWIND



FREWIND PRECISION MINIATURE BRUSHE ARE MADE OF A VARIETY OF MATERIALS STAINLESS STEEL AND STEEL FOR DELICATE DEBURRING, BRASS AND BRISTLE FOR PRECISE CLEANING AND FINE CLEANING.

APPLICATIONS:

Aerospace/electronics/textile/optics/medical equipment/computers tools&dies/jewelry/other precision industries.

PRECISION MINIATURE WIRE CUP BRUSHES

Dimension							
D	L	S	Fill type				
mm	mm	mm	S0.13	B0.14	SS0.14	Nylon	
			Item Number	Item Number	Item Number	Item Number	
13	6	3.17	F11113317/13	F11213317/14	F11313317/14	F11413317/14	



PRECISION MINIATURE WIRE/BRUSHE WHEEL BRUSHES

Dimension		Fill type			
D	S	S0.13	B0.13	SS0.13	Nylon
mm	mm	Item number	Item Number	Item Number	Item Number
19	2.35	F21119235/13	F21219235/13	F21319235/13	F21419235/13
25	3.17	F22125317/13	F22225317/13	F22325317/13	F22425317/13
28	3.17	F23128317/13	F23228317/13	F23328317/13	F23428317/13
38	3.17	F24138317/13	F24238317/13	F24338317/13	F24438317/13



PRECISION MINIATURE END BRUSHES

Dimension			Fill type			
D	L	S	S0.13	B0.13	SS0.13	Nylon
mm	mm	mm	Item No.	Item No.	Item No.	Item No.
5	6.5	3.17	F31105317/13	F31205317/13	F31305317/13	F31405317/13
5	6.5	3.17	F32105317/13	F32205317/13	F32305317/13	F32405317/13
5	6.5	2.53	F33105253/13	F33205253/13	F33305253/13	F33405253/13
6	10	2.53	F34107253/13	F34207253/13	F34307253/13	F34405253/13
6	10	3.17	F35107317/13	F35207317/13	F35307317/13	F35407317/13
8	14	3.17	F36108317/13	F36208317/13	F36308317/13	F36408317/13





FREWIND



CRIMPED WIRE END BRUSHES

The brushes are ideal for a variety of general uses, such as cleaning and polishing, surface finishing. It could be used on a CNC machine.

APPLICATIONS:

Rubber and plastic mold cleaning/Cleaning I.D./Cleaning and Finishing/removing, weld scale and spatter/Rubber flash and carbon removal/Burr removal.

Dimension				Fill type				RPM.MAX	MEAS	QTY
D	d1	S	L	S0.2(0.3)	BS0.2(0.3)	B0.2(0.3)	SS0.2(0.3)			
mm	mm	mm	mm	Art.Number	Art.Number	Art.Number	Art.Number		cm	PC
12	10	6	20	G100121020	G1002121020	G1003121020	G1004121020	4500	56X28X36	240
17	15	6	22	G1011171522	G1012171522	G1013171522	G1014171522	4500	56X28X36	240
24	22	6	25	G1021242225	G1022242225	G1023242225	G1024242225	4500	56X32X55	240
30	28	6	25	G1031302825	G1032302825	G1033302825	G1034302825	4500	56X32X55	240

FREWIND



Item No. Contents

Diameterxaror hole

D1001	1	wheel	75	1/4"
	1	wheel	63	1/4"
	1	wheel	50	1/4"
	1	wheel	40	1/4"
	1	wheel	25	1/4"
	3	drive arbors.	1/4" shank	



Item No. Contents

Dimensions

Diameterxshank

D1002	1	cup	50	1/4"
	1	end	25	1/4"
	1	wheel	50	1/4"





Item No. Contents

	Dimensions			
	Diameterxshank			
D1003	1	wheel	75	1/4"
	1	wheel	63	1/4"
	1	wheel	50	1/4"
	1	cup	50	1/4"
	1	wheel	40	1/4"



Item No. Contents

	Dimensions			
	Diameterxshank			
D1004	1	wheel	75	1/4"
	1	wheel	50	1/4"
	1	wheel	40	1/4"
	2	wheel	25	1/4"
	1	cup	50	1/4"

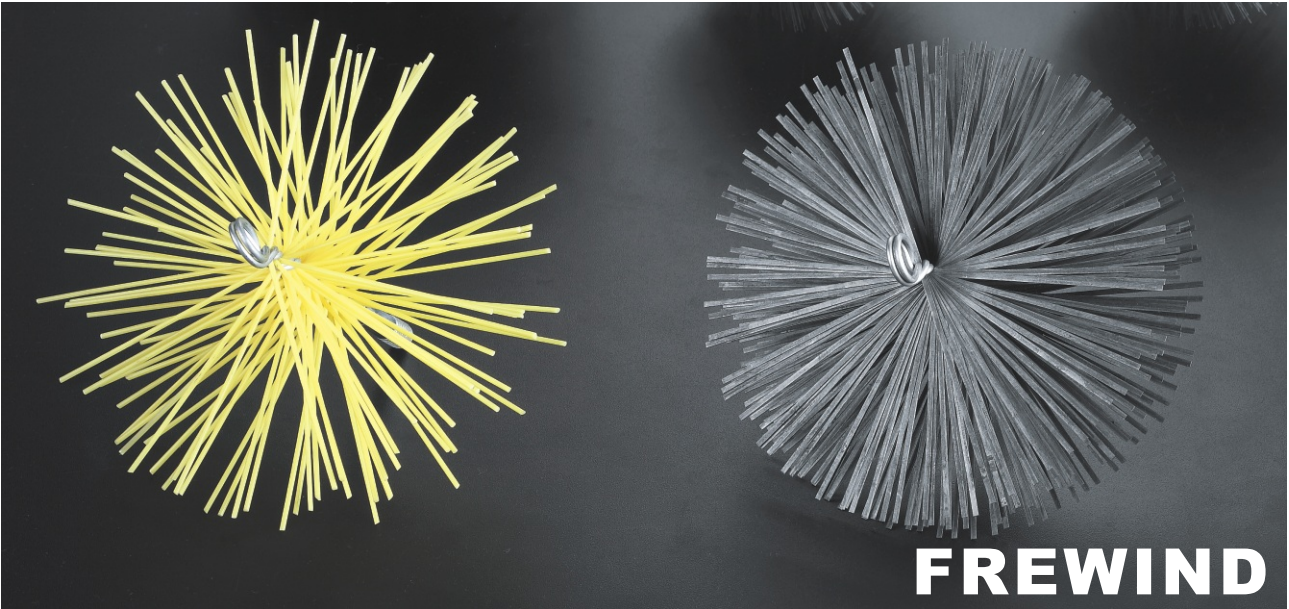
FREWIND



Dimensions			Fill Type: steel wire	
D	L	AL	Wooden handle	Plastic handle
mm	mm	mm		
10	25	160	E20110	E201210
12	25	160	E202113	E202213
16	25	160	E203116	E203216
19	25	160	E204119	E204219
21	25	160	E205122	E205222
26	25	160	E206126	E206226
28	25	160	E207128	E207228
35	25	160	E208135	E208235
40	25	160	E209140	E209240



Dimension 尺寸			Fill type 丝型:BS	Dimension 尺寸			Fill type 丝型:steel wire
D	L	AL		D	L	AL	
35	90	160	E301135	30	105	180	E401130
45	90	160	E302145	40	105	180	E402140
55	90	160	E303155	50	105	180	E43150
63	90	160	E304165	60	105	180	E404160
75	90	160	E305175	70	105	180	E405170
85	90	160	E306185	80	105	180	E406180



Dimension			Fill type
L	W	S	S-RED
19	150	E701119150	E701219150
21	175	E702121175	E702221175
21	200	E703121200	E703221200
23	250	E704123250	E704223250
21	300	E705123300	E705123300



Item No.	
Red	White
E6011	E6012

FREWIND



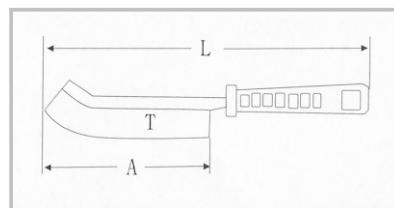
SCRATCH BRUSHES, PLASTIC HANDLE

The brush holds a variety of the wires firmly with a comfort handle. It is used for general cleaning purposes.

APPLICATION:

Manual removal of rust, corrosion, paint and primer

Fill type		Dimension		
丝型	Art. Number	L	A	T
S0.30	B7011	mm	mm	mm
BS0.30	B7021	260	140	30
B0.30	B7031			
SS0.30	B7041			
PVC	B7051			
ABROOIVE	B7061			



SMALL SIZE HAND SCRATCH BRUSHES, WIRE HANDLE

APPLICATION:

General surface cleaning

				Straight shape Bending shape		
Dimension				A直头	B弯头	C平头
B	A	T	steel wire钢丝	B8011	B8012	B8013
mm	mm	mm	stainless steel wire 不锈钢	B8021	B8022	B8023
250	90	20	brass wire 铜丝	B8031	B8032	B8033
			abrasire filaments 研磨丝	B8041	B8042	B8043
			nylon filaments 尼龙丝	B8051	B8052	B8053
			bristles 发毛	B8061	B8062	B8063





Dimension 尺寸	Fill type 丝型			
ROWS	S0.3	BS0.3	SS0.3	
mm	Art.Number	Art.Number	Art.Number	长X宽X高
3	H2011	H2012	H2013	28X35X3.8
4	H2021	H2022	H2023	
5	H2031	H2032	H2033	



Dimension 尺寸	Fill type 丝型			
ROWS	S0.15	BS0.15	Nylon0.2	
mm	Art.Number	Art.Number	Art.Number	长X宽X高
3	H2041	H2042	H2043	22.2X2.2X2.5



Dimension 尺寸	Fill type 丝型			
ROWS	S0.15	BS0.15	Nylon0.2	
mm	Art.Number	Art.Number	Art.Number	长X宽X高
3	H2051	H2052	H2053	17.5X1.2X2.4



HAND SCRATCH BRUSHES, WOOD HANDLE

General surface cleaning

Dimension尺寸	Fill type丝型		
ROWS	S0.3	BS0.3	Nylon0.3
mm	Art.Number	Art.Number	Art.Number
2	H10012	H10022	H10032
3	H10013	H10023	H10033
4	H10014	H10024	H10034
5	H10015	H10025	H10035
6	H10016	H10026	H10036



Dimension	Fill type丝型	
	S0.2	BS0.15
	Art.Number	Art.Number
	H1051	H1052



Dimension尺寸	Fill type丝型	
ROWS	S0.2	BS0.15
mm	Art.Number	Art.Number
6	H1061	H1062

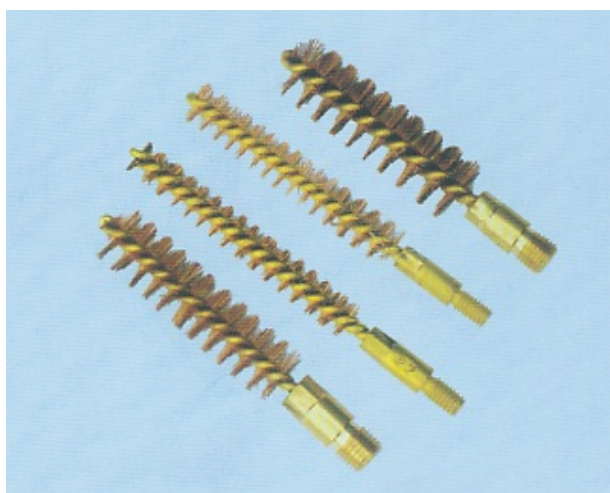
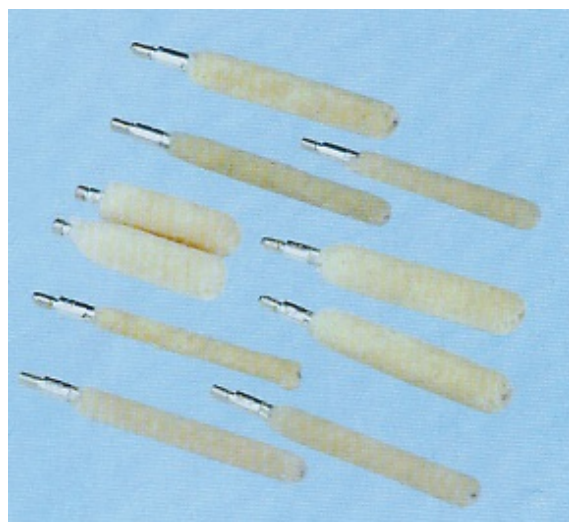
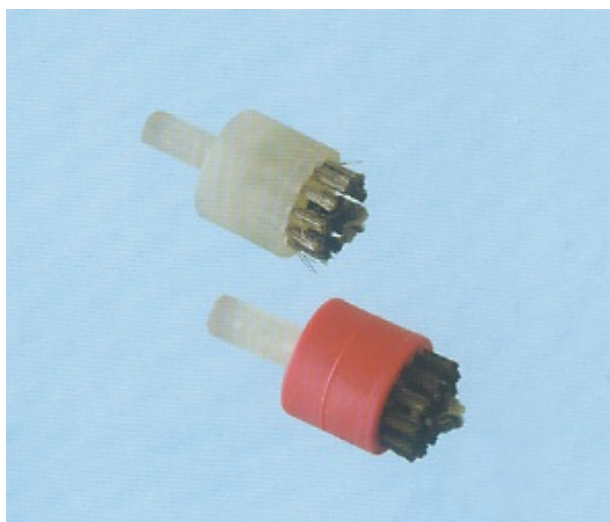


Dimension尺寸	Fill type丝型	
ROWS	S0.2	
mm	Art.Number	
A3	H1081	
B3	H1091	

FREWIND



Size	att.number
1"	J10111
2"	J10212
3"	J10314
6"	J10416
9"	J10519
multi-function adjustable wrench	
	J2011





FREWIND TOOLS CO.,LTD.

Add: Crossing of Road Shi Pu, Road 7, Tashan Industrial Zone,
Meilin Town, Ninghai County, Zhejiang, China,

Tel: 86 574 65291357

86 574 65290656

Fax: 86 574 65292308

[Http://www.frewind.com](http://www.frewind.com)

