

# CUP BRUSHES



Osborn **cup brushes** are designed for use in high speed air and electric tools, both portable and stationary machines. They are ideal for fast, heavy-duty cleaning of large surfaces, removing weld scale, rust, burrs, etc. The most popular configurations are also available with elastomer covered wire.

# CUP BRUSHES

## Selection Guide

For the solution:

■ **BEST CHOICE**
■ **VERY GOOD**
■ **SUITABLE**
X **NOT RECOMMENDED**

		<i>Part Type</i>							
		ALUMINUM	BRASS	COPPER	IRON	PLASTIC	STEEL	STAINLESS STEEL	WOOD
<i>Brush Material</i>									
<b>CRIMPED WIRE</b>									
Steel		■	■	■	■	X	■	■	■
Stainless		■	■	■	■	X	■	■	X
Nonferrous		■	■	■	X	■	■	■	■
<b>KNOTTED WIRE</b>									
Steel		X	■	■	■	X	■	X	X
Stainless		■	■	■	■	X	■	■	X
Nonferrous		■	■	■	X	X	■	■	X
<b>TY ENCAPSULATED WIRE</b>									
Pliant Polymer		X	X	X	■	X	■	■	X
Rigid Polymer		X	X	X	■	X	■	■	X

# CRIMPED WIRE

## Cup Brushes

Designed for light and medium-duty applications on a variety of high speed air and electric tools. Offers smooth, responsive cutting action at all speeds on a variety of jobs.

**NOTE:** Cup brushes are measured by diameter of cup, NOT wire.

### CRIMPED WIRE CUP BRUSH

**APPLICATIONS:** Cleaning of large metal surfaces, Removal of burrs, Weld scale and rust, Edge blending, Surface prep

Brush Dia.	Arbor Hole	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Value	Part No.
<b>Steel</b>							
2-1/2	-	5/8-11NC	0.014	3/4	12,500	●○○	0009902400
3	-	5/8-11NC	0.014	29/32	12,500	●○○	0009902500
3	-	5/8-11NC	0.020	29/32	12,500	●○○	0009902600
3-1/2	-	5/8-11NC	0.006	1	7,500	●●●	0003204000
3-1/2	-	5/8-11NC	0.012	1	7,500	●●●	0003204800
3-1/2	1/2		0.020	1	7,500	●●●	0003205000
3-1/2	-	5/8-11NC	0.020	1	7,500	●●●	0003205600
4	-	5/8-11NC	0.020	1-1/8	9,000	●●●	0003213400
4	-	5/8-11NC	0.014	3/32	9,000	●○○	0009902700
4	-	5/8-11NC	0.020	1-1/64	9,000	●○○	0009902800
4-1/2	2	-	0.006	1-3/8	6,000	●●●	0003206000
5	-	5/8-11NC	0.012	1-1/2	8,000	●●●	0003214100
5	-	5/8-11NC	0.020	1-1/2	8,000	●●●	0003213500
5	-	5/8-11NC	0.014	1-1/8	8,000	●○○	0009902900
5-3/4	-	5/8-11NC	0.020	1-1/2	6,000	●●●	0003206600
6	-	5/8-11NC	0.020	1-1/2	7,000	●●●	0003213600
<b>Stainless Steel</b>							
3	-	5/8-11NC	0.014	29/32	12,500	●○○	0009903300
3	-	5/8-11NC	0.014	29/32	12,500	●○○	0009903000
4	-	5/8-11NC	0.014	1-3/32	9,000	●○○	0009903400
5	-	5/8-11NC	0.014	1-1/8	8,000	●○○	0009903500
6	-	5/8-11NC	0.020	1-1/2	7,000	●●●	0003214400
<b>Brass</b>							
3-1/2	-	5/8-11NC	0.014	7/8	12,500	●●●	0003204700
4	-	5/8-11NC	0.020	1-1/8	9,000	●●●	0003204900



**CRIMPED WIRE CUP BRUSH WITH 1/4" SHANK - LIGHT DUTY**

Light duty cleaning action on air tools or electric high-speed portable tools.

**APPLICATIONS:** Removal of dirt, Rust, Paint, Scale, Weld spatter

Brush Dia.	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
<b>Steel</b>				
1-3/4	0.01	3/4	13,000	0001643800
1-3/4	0.01	3/4	13,000	0001644000
2	0.012	5/8	10,500	0003200400
2	0.014	5/8	10,500	0003200600
2-1/2	0.010	5/8	4,500	0003201200
2-1/2	0.014	5/8	4,500	0003201400
<b>Stainless Steel</b>				
1-3/4	0.01	3/4	13,000	0001643600
1-3/4	0.01	3/4	13,000	0001643500
2	0.008	5/8	10,500	0003207200
2	0.010	5/8	10,500	0003207400
2-1/2	0.008	5/8	4,500	0003207800
2-1/2	0.010	5/8	4,500	0003208000
<b>Brass</b>				
2-1/2	0.014	5/8	4,500	0003204600



**Note:** As a safety precaution, shank must be fully inserted into the chuck or collet and tightened securely.

**CRIMPED WIRE CUP BRUSH - SHANK MOUNTED**

With 1/4" shank.

Brush Dia.	Fill Dia.	MSFS (RPM)	Value	Part No.
<b>Steel</b>				
2	0.008	10,500	● ○ ○	0009910900
2	0.014	10,500	● ○ ○	0009911000
2-1/2	0.008	4,500	● ○ ○	0009911500
<b>Stainless Steel</b>				
2	0.008	10,500	● ○ ○	0009911300
2	0.014	10,500	● ○ ○	0009911400
2-1/2	0.008	4,500	● ○ ○	0009911100
2-1/2	0.014	4,500	● ○ ○	0009911200



**Note:** As a safety precaution, shank must be fully inserted into the chuck or collet and tightened securely.

Osborn knot wire cup brushes are rugged, efficient tools used for fast, heavy-duty cleaning of large metal surfaces. They are specially designed for use on portable tools and are filled with Osborn steel wire. Knot wire brushes are recommended for extremely rigorous jobs.

### KNOT WIRE CUP BRUSH

**APPLICATIONS:** Removal of weld scale, Rust, Old paint and corrosion, Cleaning and surface prep of metals

Brush Dia.	Arbor Hole	Threaded Arbor Hole	Fill Dia.	Number of Rows	Trim Length	MSFS (RPM)	Value	Part No.
<b>Steel</b>								
2-1/2		5/8-11NC	0.014	1	3/4	12,500	● ○ ○	0009903600
2-1/2		5/8-11NC	0.020	1	3/4	12,500	● ○ ○	0009903700
3		5/8-11NC	0.014	1	3/4	7,500	● ○ ○	0009903800
3		5/8-11NC	0.020	1	3/4	7,500	● ○ ○	0009903900
3-1/2	-	5/8-11NC	0.020	1	1-3/8	7,500	● ● ●	0003300500
3-1/2	-	5/8-11NC	0.020	1	1-3/8	7,500	● ● ●	0003312600
4	-	5/8-11NC	0.014	1	1-1/4	6,000	● ● ●	0003313700
4	-	5/8-11NC	0.020	2	1	6,000	● ● ●	0003313300
4	-	5/8-11NC	0.026	1	1-1/4	6,000	● ● ●	0003313800
4		5/8-11NC	0.014	1	7/8	6,000	● ○ ○	0009904000
4		5/8-11NC	0.020	1	1-1/4	6,000	● ○ ○	0009904100
5-3/4	-	5/8-11NC	0.026	1	1-5/8	6,000	● ● ●	0003313500
6	-	5/8-11NC	0.014	1	1-3/4	6,000	● ● ●	0003301100
6	5/8		0.014	2	1-3/4	6,000	● ● ●	0003302400
6	-	5/8-11NC	0.014	2	1-3/4	6,000	● ● ●	0003302600
6	-	5/8-11NC	0.020	1	1-3/4	6,000	● ● ●	0003301500
6	5/8		0.020	2	1-3/4	6,000	● ● ●	0003302800
6	-	5/8-11NC	0.020	2	1-3/4	6,000	● ● ●	0003303000
6	-	5/8-11NC	0.020	2	1-3/4	6,000	● ● ●	0003312700
6	-	5/8-11NC	0.020	1	1-1/4	6,600	● ● ●	0003315000
6	-	5/8-11NC	0.026	1	1-3/4	6,000	● ● ●	0003302200
6	-	5/8-11NC	0.035	1	1-3/4	6,000	● ● ●	0003302100
6	5/8		0.035	2	1-3/4	6,000	● ● ●	0003303200
6	-	5/8-11NC	0.035	2	1-3/4	6,000	● ● ●	0003303400
6	-	5/8-11NC	0.035	2	1-3/4	6,000	● ● ●	0003312800
6		5/8-11NC	0.014	1	1-1/2	6,000	● ○ ○	0009904200
6		5/8-11NC	0.020	1	1-1/2	6,000	● ○ ○	0009904300
<b>Stainless Steel</b>								
2-1/2		5/8-11NC	0.014	1	1-3/4	12,500	● ○ ○	0009904400
3		5/8-11NC	0.014	1	1-3/4	7,500	● ○ ○	0009904600
3-1/2	-	5/8-11NC	0.014	1	1-3/8	7,500	● ● ●	0003304500
4	-	5/8-11NC	0.020	1	1-1/4	6,000	● ● ●	0003313900
4		5/8-11NC	0.020	1	1-1/4	6,000	● ○ ○	0009904700
6	-	5/8-11NC	0.020	1	1-3/4	6,000	● ● ●	0003304900
6	-	5/8-11NC	0.020	2	1-3/4	6,000	● ● ●	0003313400
<b>Brass</b>								
3-1/2	-	5/8-11NC	0.014	1	7/8	7,500	● ● ●	0003300600



Adapters for mounting into smaller shafts must be specified and are priced separately. Please refer to pages 42-44 to select the appropriate adapter.





## KNOT WIRE FLARED CUP BRUSH

Has a wide diameter for wide-area cleaning, surface prep and general maintenance

► **APPLICATIONS:** Fast heavy-duty cleaning of large metal surfaces, removal of weld scale, rust, old paint and corrosion, pre-paint surface prep

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
6	5/8-11NC	0.020	1-5/8	7,000	0002626100



## KNOT WIRE CUP BRUSH - STAGGER ROW

Offers extra-fast cutting and cleaning action over wide areas.

► **APPLICATIONS:** Cleaning of flat surfaces, angles and corners, surface prep, removal of oils, grease, rust, paint and varnish

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
5-3/4	5/8-11NC	0.020	1-3/4	6,000	0003319800
5-3/4	5/8-11NC	0.035	1-3/4	6,000	0003320400



## KNOT WIRE CUP BRUSH - REDUCED FLARE, HEAVY DUTY

Efficient operation on a variety of maintenance cleaning applications, Can be used on a variety of stationary or portable tools.

► **APPLICATIONS:** Deburring, cleaning or prep of large surface areas, paint removal, removal of weld scale



Adapters for mounting into smaller shafts must be specified and are priced separately. Please refer to pages 42-44 to select the appropriate adapter.

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Number of Rows	Trim Length	MSFS (RPM)	Part No.
Steel						
6	5/8-11NC	0.020	2	1-3/4	6,000	0003307200



## KNOT WIRE CUP BRUSH WITH BRIDLE - HEAVY DUTY

For rugged and efficient use on a variety of maintenance or cleaning applications. Bridles reduce the flare of wires for a more aggressive brush face. Bridles can be easily removed after partial wear.

Brush Dia.	Arbor Hole	Threaded Arbor Hole	Fill Dia.	Number of Rows	Trim Length	MSFS (RPM)	Part No.
Steel							
4	-	5/8-11NC	0.014	2	1-3/4	7,000	0003309100
5	1-1/16	-	0.026	2	1-7/8	4,500	0003397200



With specially formulated polymer that supports each wire working point to provide maximum work with minimum pressures. They are easily mounted on both portable and electric tools and finishing machines.

**APPLICATIONS:** Removal of heavy burrs and rust, removal of weld scale, surface prep, spot facing, removal of paint, carbon, surface coatings and flash

### TY ENCAPSULATED CUP BRUSH - STANDARD DUTY

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
3-1/2	5/8-11NC	0.012	7/8	7,500	0003262900
3-1/2	5/8-11NC	0.020	1	7,500	0003263100
5-3/4	5/8-11NC	0.020	1-1/2	6,000	0003264800



### TY ENCAPSULATED CUP BRUSH WITH 1/4" SHANK - STANDARD DUTY

Brush Dia.	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel				
2-1/2	0.014	5/8	5,000	0003261000
Stainless Steel				
2-1/2	0.010	5/8	4,500	0003266000

**Note:** As a safety precaution, shank must be fully inserted into the chuck or collet and tightened securely.



### TY ENCAPSULATED CUP BRUSH - HEAVY DUTY

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
3-1/2	5/8-11NC	0.020	1	7,500	0003263400
5-3/4	5/8-11NC	0.020	1-1/2	6,000	0003265200



### TY BLACK MAX ENCAPSULATED CUP BRUSH - EXTRA HEAVY DUTY

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
4	5/8-11NC	0.020	1-1/4	9,000	0003200200

Adapters for mounting into smaller shafts must be specified and are priced separately. Please refer to pages 42-44 to select the appropriate adapter.



# HIGH SPEED SMALL GRINDER

## Cup Brushes

Made for use on portable power tools operating at high speeds, or where uniform cleaning is desired. Designed for high productivity and long life. Knot style offers aggressive action. Available in crimped, knotted and heavy-duty knotted styles. They are designed for 4-1/2" and 5" grinders.

### HIGH SPEED SMALL GRINDER CRIMPED WIRE CUP BRUSH

**APPLICATIONS:** Cleans and prepares flat surfaces and edges, light and medium duty cleaning

Brush Dia.	Threaded Arbor Hole	Nut Color	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel						
2-3/4	1/2-13NC	Black	0.014	1	14,000	0003202900
2-3/4	3/8-24UNF	Copper	0.014	1	14,000	0003203200
2-3/4	5/8-11NC	Steel	0.014	1	14,000	0003203000
2-3/4	M10-1.25	Gold	0.014	1	14,000	0003202700
2-3/4	M10-1.50	Silver	0.014	1	14,000	0003202800
2-3/4	M14-2.0	Red	0.014	1	14,000	0003202600
3-1/2	5/8-11NC	Steel	0.014	7/8	12,500	0003203400
Stainless Steel						
2-3/4	1/2-13NC	Black	0.014	1	14,000	0003208500
2-3/4	5/8-11NC	Steel	0.014	1	14,000	0003208600



### HIGH SPEED SMALL GRINDER KNOT WIRE CUP BRUSH - HEAVY DUTY

Specially treated to prevent premature failure in extra heavy duty applications

**APPLICATIONS:** General cleaning, cleaning of curved or flat surfaces and corners, pipe bevel buffing

Brush Dia.	Threaded Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
3-1/2	5/8-11NC	0.020	7/8	12,500	0003300000
Stainless Steel					
3-1/2	5/8-11NC	0.014	7/8	12,500	0003206100
3-1/2	5/8-11NC	0.014	7/8	12,500	0003245300 *
3-1/2	5/8-11NC	0.020	7/8	12,500	0003300100



**\*NOTE:** Parts 32453 is the same brush as part 32061. **32453 is in a clamshell.**



## HIGH SPEED SMALL GRINDER KNOT WIRE CUP BRUSH

**APPLICATIONS:** Removes scale, deburrs, cleans welds and flat surfaces

Brush Dia.	Threaded Arbor Hole	Nut Color	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
<b>Steel</b>						
2-3/4	1/2-13NC	Black	0.014	7/8	14,000	0003335800
2-3/4	1/2-13NC	Black	0.020	7/8	14,000	0003345800
2-3/4	3/8-24UNF	Copper	0.014	7/8	14,000	0003336000
2-3/4	3/8-24UNF	Copper	0.020	7/8	14,000	0003346000
2-3/4	5/8-11NC	Steel	0.014	7/8	14,000	0003335900
2-3/4	5/8-11NC	Steel	0.020	7/8	14,000	0003345900
2-3/4	M10-1.25	Gold	0.014	7/8	14,000	0003335600
2-3/4	M10-1.25	Silver	0.014	7/8	14,000	0003335700
2-3/4	M10-1.25	Gold	0.020	7/8	14,000	0003345600
2-3/4	M10-1.25	Gold	0.020	7/8	14,000	0003349100
2-3/4	M10-1.50	Silver	0.020	7/8	14,000	0003345700
2-3/4	M14-2.0	Red	0.014	7/8	14,000	0003335500
2-3/4	M14-2.0	Red	0.020	7/8	14,000	0003345500
<b>Stainless Steel</b>						
2-3/4	1/2-13NC	Black	0.014	7/8	14,000	0003336600
2-3/4	1/2-13NC	Black	0.020	7/8	14,000	0003346600
2-3/4	3/8-24UNF	Copper	0.014	7/8	14,000	0003336800
2-3/4	3/8-24UNF	Copper	0.020	7/8	14,000	0003346800
2-3/4	5/8-11NC	Steel	0.014	7/8	14,000	0003336700
2-3/4	5/8-11NC	Steel	0.020	7/8	14,000	0003346700
2-3/4	M10-1.25	Gold	0.014	7/8	14,000	0003336400
2-3/4	M10-1.25	Gold	0.020	7/8	14,000	0003346400
2-3/4	M10-1.50	Silver	0.014	7/8	14,000	0003336500
2-3/4	M14-2.0	Red	0.014	7/8	14,000	0003336300
2-3/4	M14-2.0	Red	0.020	7/8	14,000	0003346300



# BRIDLED

## Cup Brush

### KNOT WIRE BRIDLED CUP BRUSH

Brush Dia.	Arbor Hole	Fill Dia.	Trim Length	MSFS (RPM)	Value	Part No.
Steel						
3	5/8-11NC	0.020	5/8	12,000	●○○	0009913100
3	5/8-11NC	0.020	53/64	11,000	●○○	0009904900
4	5/8-11NC	0.014	15/16	8,500	●○○	0009905000
4	5/8-11NC	0.020	15/16	8,500	●○○	0009905100
5	5/8-11NC	0.020	55/64	6,500	●○○	0009905300
Stainless Steel						
3	5/8-11NC	0.020	5/8	12,000	●○○	0009913200
3	5/8-11NC	0.020	53/64	11,000	●○○	0009905400
5	5/8-11NC	0.014	55/64	6,500	●○○	0009905200



# OTHER FILL

## Cup Brushes

### CIRCULAR POLYPROPYLENE SCRUB BRUSH

Designed for use on off-hand equipment and automatic machinery. It is densely filled with Osborn's long-wearing polypropylene material. Each tuft is firmly anchored in a marine-type plywood block.

▶ **APPLICATIONS:** Circuit Board Cleaning, Glass & Mirror Polishing

Brush Dia.	Arbor Hole	Overall Height	Trim Length	Part No.
Polypro				
6	1/2	2-1/4	1-1/4	0005407700



### GRIT CUP BRUSH - SHANK MOUNTED

Brush Dia.	Grit Size	MSFS (RPM)	Value	Part No.
Silicon carbide				
2	80	5,000	●○○	0009912100
2	180	5,000	●○○	0009912200
3	80	5,000	●○○	0009912300
3	180	5,000	●○○	0009912400

**Note:** As a safety precaution, shank must be fully inserted into the chuck or collet and tightened securely.

