

END BRUSHES



Especially suited for use on portable air and electronic tools, CNC and robotic equipment, the **end brush** is designed for work where space limitation is a factor. In most applications, higher speeds (up to 25,000 RPM) are required for effective brushing action. Osborn end brush fill materials include carbon and stainless steels, brass, natural fiber, ATB™ abrasive nylon, and TY™ elastomer encapsulated wire.

END BRUSHES

Selection Guide

For the solution:



**BEST
CHOICE**



**VERY
GOOD**



SUITABLE



**NOT
RECOMMENDED**

		Part Type						
		ALUMINUM	BRASS	COPPER	IRON	PLASTIC	STEEL	STAINLESS STEEL
Brush Material								
CRIMPED WIRE								
Steel		X				X		X
Stainless						X		
Nonferrous					X			
KNOTTED WIRE								
Steel		X	X	X		X		X
Stainless		X	X	X		X		
TY ENCAPSULATED WIRE								
Pliant Polymer		X	X	X		X		
Rigid Polymer		X	X	X		X		
NATURAL FIBERS								
Treated Tampico								

CRIMPED WIRE

End Brushes

APPLICATIONS: Rubber and plastic mold cleaning, Cleaning pipe I.D., Removing rust, Weld scale and spatter, Cleaning castings, Burr removal, Rubber flash removal, Carbon removal, Spot facing, Cleaning and finishing recessed areas

CRIMPED WIRE END BRUSH

With 1/4" shank. Ideal for a variety of general uses, including surface blending, cleaning and polishing; can be used on CNC equipment. They are available with three types of wire - steel, stainless steel, and brass. Engineered to operate at high speeds.

Brush Dia.	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Value	Part No.
Steel						
3/8	2-3/4	0.006	1	20,000	● ● ●	0003009100
3/8	2-3/4	0.010	1	20,000	● ● ●	0003009200
1/2	2-3/4	0.006	1	25,000	● ● ●	0003005100
1/2	2-3/4	0.010	1	25,000	● ● ●	0003005300
1/2	2-3/4	0.020	1	25,000	● ● ●	0003005500
3/4	2-3/4	0.006	1	22,000	● ● ●	0003005700
3/4	2-3/4	0.010	1	22,000	● ● ●	0003005900
3/4	2-35/64	0.014	25/32	20,000	● ○ ○	0009910400
3/4	2-3/4	0.020	1	22,000	● ● ●	0003006100
1	2-3/4	0.006	1	22,000	● ● ●	0003006300
1	2-3/4	0.010	1	22,000	● ● ●	0003006500
1	2-3/4	0.014	1	20,000	● ○ ○	0009910500
1	2-3/4	0.020	1	22,000	● ● ●	0003006700
1	2-3/4	0.020	1	20,000	● ○ ○	0009910600
Stainless Steel						
1/2	2-3/4	0.005	1	25,000	● ● ●	0003007100
1/2	2-3/4	0.010	1	25,000	● ● ●	0003001900
1/2	2-3/4	0.014	1	25,000	● ● ●	0003002000
3/4	2-3/4	0.006	1	22,000	● ● ●	0003002100
3/4	2-3/4	0.010	1	22,000	● ● ●	0003007900
3/4	2-3/4	0.010	1	20,000	● ○ ○	0009910700
3/4	2-3/4	0.014	1	22,000	● ● ●	0003002200
1	2-3/4	0.005	1	22,000	● ● ●	0003008300
1	2-3/4	0.010	1	22,000	● ● ●	0003008500
1	2-3/4	0.010	1	20,000	● ● ●	0009910800
1	2-3/4	0.014	1	22,000	● ○ ○	0003002500
3/4	2-11/16	0.020	1	22,000	● ● ●	0003039600
1	2-7/8	0.020	1	22,000	● ● ●	0003039700
Brass						
1	2-3/4	0.006	1	22,000	● ● ●	0003007400



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

CRIMPED WIRE END BRUSH - SCUF-GARD COATED

Manufactured with a rugged, durable layer of elastomer on the cup to help prevent accidental scratches or marring in the work surface during operation. With 1/4" shank.

Brush Dia.	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel					
1/2	2-3/4	0.006	1	25,000	0003011600
1/2	2-3/4	0.010	1	25,000	0003011800
3/4	2-3/4	0.006	1	22,000	0003012100
1	2-3/4	0.006	1	22,000	0003012600
1	2-3/4	0.010	1	22,000	0003012800
Stainless Steel					
1/2	2-3/4	0.005	1	25,000	0003013100
1/2	2-3/4	0.010	1	25,000	0003013300
3/4	2-3/4	0.010	1	22,000	0003013800
1	2-3/4	0.005	1	20,000	0003014100
1	2-3/4	0.010	1	22,000	0003014300



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

CIRCULAR CRIMPED WIRE END BRUSH

Made in four brush diameters, in both steel and stainless steel wire. With 1/4" shank.

► **APPLICATIONS:** Cleaning welds, molds, or metal surfaces, removing rust and paint, polishing molds, tooling and dies, deburring

Brush Dia.	Fill Dia.	Shank Dia.	MSFS (RPM)	Part No.
Steel				
1-1/4	0.005	1/4	15,000	0003025000
1-1/4	0.006	1/4	15,000	0003025100
1-1/2	0.008	1/4	15,000	0003023400
1-1/2	0.020	1/4	15,000	0003025500
2	0.010	1/4	15,000	0003027600
2	0.014	1/4	15,000	0003023200
3	0.006	1/4	15,000	0003027900
3	0.008	1/4	15,000	0003023100
3	0.014	1/4	15,000	0003022800
3	0.020	1/4	15,000	0003025800
Stainless Steel				
1-1/2	0.005	1/4	15,000	0003023300
2	0.010	1/4	15,000	0003027700
2	0.014	1/4	15,000	0003023000
3	0.005	1/4	15,000	0003027800
3	0.010	1/4	15,000	0003028000
3	0.014	1/4	15,000	0003022900



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

KNOT WIRE | End Brushes

Rugged brushing tools designed with the finest wire to offer efficient usage for a wide variety of tough cleaning and maintenance applications; can be used on CNC equipment.

APPLICATIONS: Spot Cleaning or Facing, Removal of Slag, Rust or Scale, Cleaning Pipe I.D., Deburring or Flash Removal, Cleaning of Dies, Molds and Tooling, Pipeline Cleaning

KNOT WIRE END BRUSH

Brush Dia.	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Value	Part No.
Steel						
1/2	2-13/16	0.006	1-1/8	22,000	●●●	0003000200
1/2	2-13/16	0.010	1-1/8	22,000	●●●	0003000400
1/2	2-13/16	0.014	1-1/8	22,000	●●●	0003000500
1/2	2-9/16	0.010	7/8	22,000	●●●	0003010300
1/2	2-9/16	0.014	7/8	22,000	●●●	0003010400
3/4	2-13/16	0.006	1-1/8	22,000	●●●	0003000800
3/4	2-13/16	0.010	1-1/8	22,000	●●●	0003001000
3/4	2-13/16	0.014	1-1/8	22,000	●●●	0003001100
3/4	2-13/16	0.020	1-1/8	22,000	●●●	0003001200
3/4	2-9/16	0.010	7/8	22,000	●●●	0003010600
3/4	2-9/16	0.014	7/8	22,000	●●●	0003010700
3/4	2-9/16	0.020	7/8	22,000	●●●	0003010900
3/4	2-13/16	0.014	1-1/8	22,000	●●●	0003039400
3/4	2-3/4	0.014	1	20,000	●○○	0009909800
3/4	2-3/4	0.020	1	20,000	●○○	0009909900
1	2-15/16	0.006	1-1/8	20,000	●●●	0003001400
1	2-13/16	0.010	1-1/8	20,000	●●●	0003001600
1	2-13/16	0.020	1	20,000	●●●	0003001800
1	2-9/16	0.010	7/8	22,000	●●●	0003011100
1	2-11/16	0.014	7/8	22,000	●●●	0003011200
1	2-11/16	0.020	7/8	22,000	●●●	0003011300
1	2-11/16	0.014	1	22,000	●●●	0003039500
1	2-3/4	0.012	1	20,000	●○○	0009910000
1	2-3/4	0.014	1	20,000	●○○	0009910100
1	2-3/4	0.020	1	20,000	●○○	0009910200
1	2-13/16	0.010	1-1/8	25,000	●●●	0003009500
1	2-13/16	0.020	1	25,000	●●●	0003050000
1	2-13/16	0.014	1	25,000	●●●	0003050200
1	2-13/16	0.010	1	25,000	●●●	0003050400
1	2-13/16	0.020	1-1/8	20,000	●●●	0003012200
1	2-13/16	0.014	1-1/8	20,000	●●●	0003012300
1	2-13/16	0.020	1	22,000	●●●	0003039900



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

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KNOT WIRE END BRUSH *continued*

Brush Dia.	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Value	Part No.
Stainless Steel						
1	2-11/16	0.014	1	25,000	● ● ●	0003050300
1	2-11/16	0.010	1	25,000	● ● ●	0003050500
1/2	2-13/16	0.006	1-1/8	22,000	● ● ●	0003042600
1/2	2-13/16	0.010	1-1/8	22,000	● ● ●	0003042800
1/2	2-13/16	0.014	1-1/8	22,000	● ● ●	0003042900
3/4	2-13/16	0.006	1-1/8	22,000	● ● ●	0003043200
3/4	2-13/16	0.010	1-1/8	22,000	● ● ●	0003043400
3/4	2-13/16	0.014	1-1/8	22,000	● ● ●	0003043500
1	2-13/16	0.014	1	20,000	● ● ●	0003001700
1	2-15/16	0.006	1-1/8	20,000	● ● ●	0003043800
1	2-15/16	0.010	1-1/8	20,000	● ● ●	0003044000
1	2-13/16	0.014	1	20,000	● ● ●	0003044100
1	2-3/4	0.014	1	20,000	● ○ ○	0009910300
Brass						
1	2-13/16	0.014	1	20,000	● ● ●	0003007500



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

KNOT WIRE END BRUSH - SCUF-GARD COATED, STAINLESS

Made with a rugged, durable elastomer layer on the cup to help prevent accidental scratches or marring on the work surface during operation.

Brush Dia.	Brush Area Length	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Stainless Steel						
1/2	1-1/8	2-13/16	0.006	1-1/8	22,000	0003002600
1/2	1-1/8	2-13/16	0.010	1-1/8	22,000	0003002800
1/2	1-1/8	2-13/16	0.014	1-1/8	22,000	0003002900
3/4	1-1/8	2-13/16	0.006	1-1/8	22,000	0003003200
3/4	1-1/8	2-13/16	0.010	1-1/8	20,000	0003003400
3/4	1-1/8	2-13/16	0.014	1-1/8	22,000	0003003500
1	1	2-15/16	0.006	1-1/8	20,000	0003003800
1	1	2-15/16	0.010	1-1/8	20,000	0003004000
1	1	2-13/16	0.014	1	20,000	0003004100



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

TY™ ENCAPSULATED | End Brushes

TY polymer supports each wire working point to provide maximum work with minimum pressure. The unique shapes and characteristics of TY encapsulated end brushes make them ideal for unusual applications.

TY ENCAPSULATED HOLLOW CENTER END BRUSH - STANDARD DUTY

Small diameter tools that provide fast, positive cleaning action in corners and other hard-to-reach places.

► **APPLICATIONS:** Burr removal, rubber flash, weld scale, rust, paint

Brush Dia.	Overall Length	Fill Dia.	Trim Length	Shank Dia.	MSFS (RPM)	Part No.
Steel						
3/8	2-11/16	0.006	1.000	1/4	20,000	0003055800
3/8	2-11/16	0.010	1.000	1/4	20,000	0003055900
1/2	2-5/8	0.006	1.000	1/4	18,000	0003060000
1/2	2-5/8	0.010	1.000	1/4	18,000	0003060200
1/2	2-5/8	0.020	1.000	1/4	18,000	0003060400
3/4	2-5/8	0.006	1.000	1/4	15,000	0003060500
3/4	2-5/8	0.010	1.000	1/4	15,000	0003060700
3/4	2-5/8	0.020	1.000	1/4	15,000	0003060900
1	2-5/8	0.006	1.000	1/4	13,000	0003061000
1	2-5/8	0.010	1.000	1/4	13,000	0003061200
1	2-5/8	0.020	1.000	1/4	13,000	0003061400
Stainless Steel						
1/2	2-5/8	0.005	1.000	1/4	18,000	0003061500
3/4	2-5/8	0.010	1.000	1/4	15,000	0003061900
1	2-5/8	0.010	1.000	1/4	13,000	0003062200



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

TY ENCAPSULATED FLARED END BRUSH - HEAVY DUTY

Preflared and bonded, with rigid elastomer supporting steel and stainless steel wire fill.

► **APPLICATIONS:** Weld prep, weld cleaning, confined area general cleaning

Brush Dia.	Fill Dia.	Inner Dia.	Shank Dia.	MSFS (RPM)	Part No.
Steel					
1-3/4	0.006	1/2	1/4	25,000	0003065000
1-3/4	0.010	1/2	1/4	25,000	0003065100
1-3/4	0.020	1/2	1/4	25,000	0003065300
2	0.010	3/4	1/4	20,000	0003065900
2	0.020	3/4	1/4	20,000	0003066100
2-3/4	0.006	1	1/4	15,000	0003066600
2-3/4	0.010	1	1/4	15,000	0003066700
2-3/4	0.020	1	1/4	15,000	0003066900
Stainless Steel					
1-3/4	0.010	1/2	1/4	25,000	0003065500
2	0.010	3/4	1/4	20,000	0003066300
2-3/4	0.010	1	1/4	15,000	0003067100



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

SPECIALTY | End Brushes

PILOT BONDING END BRUSH

Made with a special ring to provide a more rigid surface area. These brushes are used primarily for aircraft assembly and in the aerospace industry. Made in both steel and stainless steel wire.

► **APPLICATIONS:** Spot facing, rivet hole cleaning and deburring, cleaning metal surfaces

Brush Dia.	Pilot Dia.	Brush Area Length	Overall Length	Fill Dia.	Trim Length	MSFS (RPM)	Part No.
Steel							
1/2	3/32	3/8	2-1/4	0.004	3/8	25,000	0003014500
1/2	1/8	3/8	2-1/4	0.004	3/8	25,000	0003014800
1/2	5/32	3/8	2-1/4	0.004	3/8	25,000	0003015100
1/2	3/16	3/8	2-1/4	0.004	3/8	25,000	0003015400
1/2	1/4	3/8	2-1/4	0.004	3/8	25,000	0003015700
Stainless Steel							
1/2	3/32	3/8	2-1/4	0.004	3/8	25,000	0003019000
1/2	1/8	3/8	2-1/4	0.004	3/8	25,000	0003019300
1/2	5/32	3/8	2-1/4	0.004	3/8	25,000	0003019600
1/2	3/16	3/8	2-1/4	0.004	3/8	25,000	0003019900



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

DID YOU KNOW?

Most stocked Osborn brushes started as special requests by customers for specific applications. These special end brushes were developed to perform specific tasks in manufacturing and fabrication.

BRIDLED | End Brushes

Bridle helps reduce flare and increases the aggressiveness of the brush. Bridles are removable to adjust for wear.

BRASS WIRE END BRUSH - BRIDLED

With 1/4" shank.

► **APPLICATIONS:** Mold cleaning

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

Brush Dia.	Overall Length	Fill Dia.	Trim Length	Shank Dia.	MSFS (RPM)	Part No.
Brass						
1/2	2-11/16	0.005	1	1/4	10,000	0003024100
1	2-7/8	0.005	1	1/4	7,500	0003024700



NON-METALLIC END BRUSH - BRIDLED

With 1/4" shank.

► **APPLICATIONS:** General cleaning and plastic flash removal

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

Brush Dia.	Overall Length	Trim Length	Shank Dia.	MSFS (RPM)	Part No.
Polypro					
1	3-1/4	1-5/8	1/4	12,000	0003027500

