

**Welders
Choice™**

OSBORN®



WELDERS CHOICE™

THE PRODUCTS YOU ASKED US FOR TO GET THE JOB DONE RIGHT!

The most popular welding products are featured here!

Osborn is pleased to introduce our new Welders Choice catalog! It's a consolidated catalog that makes it easier for you to find welding products, without having to search through our extensive full line catalog.

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**WELDERS CHOICE FROM OSBORN
THE CHOICE IS CLEARER THAN EVER**

TECHNICAL TIPS

CHOOSING THE RIGHT BRUSH

BRUSH TYPE CONSIDERATIONS

- Work to be done
- Equipment being used and the RPM of that equipment
- Surface profile being worked on

Cup brushes are ideal for larger surface areas, corners or bends. Wheel brushes are better suited for open welds, and are ideal for pipeline applications. End brushes are perfect for tight locations and spot finishing.

FILL MATERIAL DETERMINATION

- Workpiece material
- Kind of finish desired
- Again, the equipment RPM

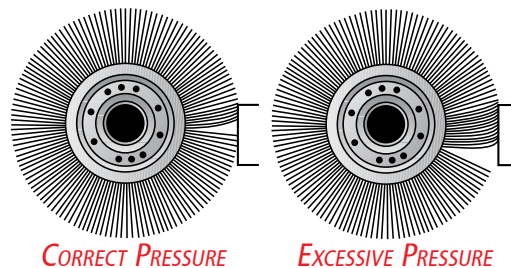
For most weld cleanup applications, a knot style brush is recommended. The aggressiveness of the knot wire's impact on the work area speeds up the cleaning process. Osborn's engineering experts will be happy to analyze your specific needs.

BRUSHING SPEED AND PRESSURE

The RPM speeds shown for Osborn brushes are the Maximum Safe Free Speeds (MSFS). In most operations, a lower speed than that specified will prove more efficient for you. Lower speeds and lighter pressures give longer brush life, generate less heat in the work, and require less power.

Where high brush pressures and speeds are required, it is recommended that a more aggressive brush be used. This may be done by increasing the wire size, decreasing trim length, or in some instances, changing to another brush type.

When working with power brushes, you should always follow all applicable safety instructions — including those provided by the brush manufacturer and the tool manufacturer. Please refer to page 26 for important safety information.



WIRE BRUSH OPERATING PARAMETERS

MINIMUM SHAFT DIAMETER

Outside Dia. of Wheel Brush (Inches)	Max Wheel Face Width (Inches)	Min O.D. of Shaft (Inches)
2	1/4	1/4
3	3/4	1/4
3 (Heavy Duty)	1	3/8
4	1	3/8
6	1-1/4	1/2
8	1-1/4	5/8
10	2	3/4
12	3	1
14	3	1-1/4
16	3	2

Based on ANSI standard B165.1

HORSEPOWER REQUIREMENTS

Brush Dia. (Inches)	HP Required for 1" Face	RPM
3	.15hp	3450
4	.25hp	3450
6	.50hp	3450
8	.75hp	3450
10	1hp	1750
12	1hp	1750
15	1.5hp	1750

Always use all appropriate safety precautions when using power brushes

ROOT PASS



Stringer Bead Knot:
Excellent for bead scale removal.



HIGH SPEED SMALL GRINDER STRINGER BEAD WHEEL BRUSH

Works aggressively, yet smoothly and efficiently on air tools or portable power tools.

APPLICATIONS: BEAD SCALE REMOVAL



Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
4	1/2-13 NC	Black	0.020	Stainless Steel	7/8	20000	12	26398	26295
4	1/2-13 NC	Black	0.020	Steel	7/8	20000	12	26368	26289
4	3/8-24 UNF	Copper	0.020	Stainless Steel	7/8	20000	12	26400	26297
4	3/8-24 UNF	Copper	0.020	Steel	7/8	20000	12	26363	26291
4	5/8-11 NC	Steel	0.020	Stainless Steel	7/8	20000	12	26399	26296
4	5/8-11 NC	Steel	0.020	Steel	7/8	20000	12	26369	26290
4	M-10 x 1.25	Gold	0.020	Stainless Steel	7/8	20000	12	26396	26293
4	M-10 x 1.25	Gold	0.020	Steel	7/8	20000	12	26366	26287
4	M-10 x 1.5	Silver	0.020	Stainless Steel	7/8	20000	12	26397	26294
4	M-10 x 1.5	Silver	0.020	Steel	7/8	20000	12	26367	26288
4	M-14 x 2.0	Red	0.020	Stainless Steel	7/8	20000	12	26395	26292
4	M-14 x 2.0	Red	0.020	Steel	7/8	20000	12	26365	26286

KNOT WIRE WHEEL BRUSH - STRINGER BEAD

The small width of this brush allows it to be used in recessed areas such as welding junctions in pipeline fabrication.

APPLICATIONS: CLEANING STRINGER BEAD WELDS



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Face Width	Width at Face Plate	Max RPM	Std Pk	Item No.	Clamshell
4-7/8	5/8-11 NC	0.020	Stainless Steel	1	3/16	19/64	12000	12	26344	26079
4-7/8	5/8-11 NC	0.020	Steel	1	3/16	19/64	12000	12	26495	26077
5-7/8	5/8-11 NC	0.020	Stainless Steel	1-1/2	3/16	9/16	12000	12	26112	
5-7/8	5/8-11 NC	0.020	Steel	1-1/2	3/16	9/16	12000	12	26032	
6-1/2	5/8-11 NC	0.020	Stainless Steel	1-7/32	1/4	9/16	12000	12	26226	26227
6-1/2	5/8-11 NC	0.020	Stainless Steel	1-1/4	3/16	9/16	12000	12	26347	
6-1/2	5/8-11 NC	0.020	Steel	1-7/32	1/4	9/16	12000	12	26048	26111
6-1/2	5/8-11 NC	0.020	Steel	1-1/4	3/16	9/16	12000	12	26088	26074
6-3/4	5/8-11 NC	0.020	Steel	1-1/8	1/8	9/16	8000	12	26904	

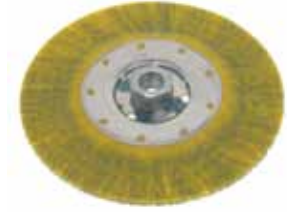


TY™ ENCAPSULATED WHEEL BRUSH - STRINGER BEAD, HEAVY DUTY

The narrow face and aggressive knots are perfect for cleaning stringer bead welds.

APPLICATIONS: STRINGER BEAD WELD CLEANING

Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Face Width	Max RPM	Std Pk	Item No.
7	5/8-11 NC	0.014	Stainless Steel	1-5/8	3/16	9000	10	21887
7	5/8-11 NC	0.014	Steel	1-5/8	3/16	9000	10	21889



TY BLACK MAX ENCAPSULATED WHEEL BRUSH - STRINGER BEAD, EXTRA HEAVY DUTY

Extra heavy-duty wheel was developed specifically for pipeline welding applications.

Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Face Width	Max RPM	Std Pk	Item No.
7	5/8-11 NC	0.014	Steel	1-5/8	3/16	9000	10	21000



TY ENCAPSULATED WHEEL BRUSH - HIGH SPEED KNOT STRINGER, HEAVY DUTY

Specially made hardware allows this brush to be operated at very high speed on electric & air tools.

Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
4	5/8-11 NC	0.020	Steel	1	15000	6	26361



TY ENCAPSULATED WHEEL BRUSH - KNOT WIRE, HEAVY DUTY

This brush has a standard twist knot that provides extra aggression. This brush also has a wider face-width than the stringer bead style which allows it to work faster on larger areas.

Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Face Width	Max RPM	Std Pk	Item No.
7	5/8-11 NC	0.020	Steel	1-3/8	1/4	9000	10	26944



ROOT PASS

HOT PASS

Cable Twist Knot:

Excellent for standard knot wire applications that need more aggressive action.



HIGH SPEED SMALL GRINDER CABLE KNOT WHEEL BRUSH

Osborn High Speed Small Grinder Cable Knot Wheel Brushes with cable twist knot are excellent for standard knot wire applications that need more aggressive action.



Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Trim Length	Max RPM	Std Pk	Steel Item No.	Clamshell Steel Item No.	Stainless Steel Item No.	Clamshell Stainless Steel Item No.
4	1/2-13 NC	Black	0.020	7/8	20000	6	26454	26474	26460	26480
4	3/8-24 UNF	Copper	0.020	7/8	20000	6	26453	26473	26459	26479
4	5/8-11 NC	Steel	0.020	7/8	20000	6	26455	26475	26461	26481
4	M-10 x 1.25	Gold	0.020	7/8	20000	6	26451	26471	26457	26477
4	M-10 x 1.5	Silver	0.020	7/8	20000	6	26452	26472	26458	26478
4	M-14 x 2.0	Red	0.020	7/8	20000	6	26450	26470	26456	26476

Standard Twist Knot:

Good for cleaning grooves, t-connections and welded beads, and for general surface preparation.



KNOT WIRE WHEEL BRUSH

Rugged knot-type construction provides high brush flexibility, more uniform results, maximum safety and efficient operation at high speeds. Brushes larger than 6" should be mounted on stationary tables; those 6" and smaller can be mounted to stationary installations or attached to portable tools. Features standard twist knot.

APPLICATIONS: REMOVAL OF RUBBER FLASH, PAINT SLAG, SCALE, RUST, SURFACE CONTAMINATION, WELD CLEANING, BLENDING, FINISHING, DEBURRING, DESCALING, SKIVING, PIPELINE CLEANING, GENERAL CLEANING



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Face Width	Width at Face Plate	Max RPM	Std Pk	Item No.	Clamshell
6	5/8-11 NC	0.016	Stainless Steel	1-1/2	1/2	9/16	9000	6	26038	
6	5/8-11 NC	0.025	Stainless Steel	1-1/2	1/2	9/16	9000	12	26346*	
6	5/8-11 NC	0.025	Steel	1-1/2	1/2	9/16	9000	12	26047*	26110*
6-1/2	5/8-11 NC	0.025	Steel	1-1/4	3/8	9/16	9000	12	26039	
8	5/8-11 NC	0.016	Stainless Steel	1-11/16	5/8	9/16	8500	6	26056	
8	5/8-11 NC	0.025	Steel	1-11/16	5/8	9/16	8500	12	26062	

* Cable Twist Knot



HIGH SPEED SMALL GRINDER KNOT WIRE WHEEL BRUSH

Osborn High Speed Small Grinder Wheel Brushes with standard twisted knot work aggressively, yet smoothly and efficiently on air tools or portable power tools.

APPLICATIONS: CLEANS GROOVES, T-CONNECTIONS, WELDED BEADS AND SURFACE PREP

Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
4	1/2-13 NC	Black	0.014	Stainless Steel	7/8	20000	6	26375	26277
4	1/2-13 NC	Black	0.014	Steel	7/8	20000	6	26358	26265
4	1/2-13 NC	Black	0.020	Stainless Steel	7/8	20000	6	26385	26283
4	1/2-13 NC	Black	0.020	Steel	7/8	20000	6	26391	26271
4	3/8-24 UNF	Copper	0.014	Stainless Steel	7/8	20000	6	26377	26279
4	3/8-24 UNF	Copper	0.014	Steel	7/8	20000	12	26360	26267
4	3/8-24 UNF	Copper	0.020	Stainless Steel	7/8	20000	6	26393	26285
4	3/8-24 UNF	Copper	0.020	Steel	7/8	20000	6	26387	26273
4	5/8-11 NC	Steel	0.014	Brass	7/8	20000	6	26094	
4	5/8-11 NC	Steel	0.014	Stainless Steel	7/8	20000	6	26376	26278
4	5/8-11 NC	Steel	0.014	Steel	7/8	20000	6	26359	26266
4	5/8-11 NC	Steel	0.020	Stainless Steel	7/8	20000	6	26386	26284
4	5/8-11 NC	Steel	0.020	Steel	7/8	20000	6	26392	26272
4	M-10 x 1.25	Gold	0.014	Stainless Steel	7/8	20000	6	26373	26275
4	M-10 x 1.25	Gold	0.014	Steel	7/8	20000	6	26356	26263
4	M-10 x 1.25	Gold	0.020	Stainless Steel	7/8	20000	6	26383	26281
4	M-10 x 1.25	Gold	0.020	Steel	7/8	20000	6	26389	26269
4	M-10 x 1.5	Silver	0.014	Stainless Steel	7/8	20000	6	26374	26276
4	M-10 x 1.5	Silver	0.014	Steel	7/8	20000	6	26357	26264
4	M-10 x 1.5	Silver	0.020	Stainless Steel	7/8	20000	6	26384	26282
4	M-10 x 1.5	Silver	0.020	Steel	7/8	20000	6	26390	26270
4	M-14 x 2.0	Red	0.014	Stainless Steel	7/8	20000	6	26372	26274
4	M-14 x 2.0	Red	0.014	Steel	7/8	20000	6	26355	26262
4	M-14 x 2.0	Red	0.020	Stainless Steel	7/8	20000	6	26382	26280
4	M-14 x 2.0	Red	0.020	Steel	7/8	20000	6	26388	26268
5	5/8-11 NC	Steel	0.020	Stainless Steel	1	12000	12	26214	
5	5/8-11 NC	Steel	0.020	Steel	1	12000	12	26213	



HOT PASS

FINISHING

CRIMPED HIGH SPEED SMALL GRINDER WIRE WHEEL BRUSH

APPLICATIONS: *LIGHT DUTY BRUSHING*



Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
4	1/2-13 NC	Black	0.014	Stainless Steel	7/8	15000	6	21308	
4	1/2-13 NC	Black	0.014	Steel	7/8	15000	6	21303	21313
4	3/8-24 UNF	Copper	0.014	Steel	7/8	15000	6	21305	21315
4	5/8-11 NC	Steel	0.006	Stainless Steel	7/8	15000	6	21082*	21094*
4	5/8-11 NC	Steel	0.014	Brass	7/8	15000	6	21040	
4	5/8-11 NC	Steel	0.014	Stainless Steel	7/8	15000	6	21309	
4	5/8-11 NC	Steel	0.014	Steel	7/8	15000	6	21304	21314
4	M-10 x 1.25	Gold	0.014	Steel	7/8	15000	6	21301	21311
4	M-10 x 1.5	Silver	0.014	Steel	7/8	15000	6	21302	21312
4	M-14 x 2.0	Red	0.014	Steel	7/8	15000	6	21300	21310

* Type 316 Stainless Steel

CRIMPED WIRE CUP BRUSH

APPLICATIONS: *CLEANING OF LARGE METAL SURFACES, REMOVAL OF BURRS, WELD SCALE AND RUST, EDGE BLENDING, SURFACE PREP*



Brush Diameter	Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
3-1/2	1/2	0.0118	Steel	1	7500	12	32044	
3-1/2	1/2	0.020	Steel	1	7500	1	32050	
3-1/2	5/8	0.020	Steel	1	7500	1	32052	
3-1/2	5/8-11 NC	0.006	Steel	1	7500	1	32040	
3-1/2	5/8-11 NC	0.0118	Steel	1	7500	1	32048	
3-1/2	5/8-11 NC	0.014	Brass	7/8	12500	1	32047	
3-1/2	5/8-11 NC	0.020	Steel	1	7500	1	32056	
4	5/8-11 NC	0.020	Brass	1-1/8	9000	1	32049	
4	5/8-11 NC	0.020	Steel	1-1/8	9000	1	32134	32041
4-1/2	2	0.006	Steel	1-3/8	6000	1	32060*	
5	5/8-11 NC	0.0118	Steel	1-1/2	8000	1	32141	
5	5/8-11 NC	0.020	Steel	1-1/2	8000	1	32135	32164
5-3/4	5/8-11 NC	0.020	Steel	1-1/2	6000	1	32066	
6	5/8-11 NC	0.020	Brass	1-3/4	7000	1	32051	
6	5/8-11 NC	0.020	Stainless Steel	1-1/2	7000	1	32144	
6	5/8-11 NC	0.020	Steel	1-1/2	7000	1	32136	32042

* Bridled

KNOT WIRE CUP BRUSH

APPLICATIONS: REMOVAL OF WELD SCALE, RUST, OLD PAINT AND CORROSION, CLEANING AND SURFACE PREP OF METALS

Brush Diameter	Arbor Hole	Fill Diameter	Fill Material	Rows Wide	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
3-1/2	5/8-11 NC	0.014	Brass	1	7/8	7500	1	33006*	
3-1/2	5/8-11 NC	0.014	Stainless Steel	1	1-3/8	7500	6	33045*	33058
3-1/2	5/8-11 NC	0.020	Steel	1	1-3/8	7500	6	33005	
3-1/2	5/8-11 NC	0.020	Steel	1	1-3/8	7500	12	33126	33129
4	5/8-11 NC	0.014	Steel	1	1-1/4	6000	10	33137	33003
4	5/8-11 NC	0.020	Stainless Steel	1	1-1/4	6000	10	33139	33508
4	5/8-11 NC	0.020	Steel	2	1	6000	10	33133	33140
4	5/8-11 NC	0.025	Steel	1	1-1/4	6000	10	33138	33142
5-3/4	5/8-11 NC	0.025	Steel	1	1-5/8	6000	10	33135	33141
6	5/8	0.014	Steel	2	1-3/4	6000	1	33024	
6	5/8-11 NC	0.014	Steel	1	1-3/4	6000	1	33011	33016
6	5/8-11 NC	0.014	Steel	2	1-3/4	6000	1	33026*	
6	5/8	0.020	Steel	2	1-3/4	6000	1	33028	
6	5/8-11 NC	0.020	Stainless Steel	1	1-3/4	6000	1	33049	
6	5/8-11 NC	0.020	Stainless Steel	2	1-3/4	6000	1	33134	
6	5/8-11 NC	0.020	Steel	1	1-1/4	6000	1	33150	
6	5/8-11 NC	0.020	Steel	1	1-3/4	6000	1	33015	33004
6	5/8-11 NC	0.020	Steel	2	1-3/4	6000	1	33030	
6	5/8-11 NC	0.020	Steel	2	1-3/4	6000	1	33127	
6	5/8-11 NC	0.025	Steel	1	1-3/4	6000	1	33022	
6	5/8	0.035	Steel	2	1-3/4	6000	1	33032	
6	5/8-11 NC	0.035	Steel	1	1-3/4	6000	1	33021	33025
6	5/8-11 NC	0.035	Steel	2	1-3/4	6000	1	33034	
6	5/8-11 NC	0.035	Steel	2	1-3/4	6000	1	33128	

* Heavy Duty



FINISHING

HIGH SPEED SMALL GRINDER CRIMPED WIRE CUP BRUSH

APPLICATIONS: CLEANS AND PREPARES FLAT SURFACES AND EDGES, LIGHT AND MEDIUM DUTY CLEANING

Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
2-3/4	1/2-13 NC	Black	0.014	Stainless Steel	1	14000	6	32085	
2-3/4	1/2-13 NC	Black	0.014	Steel	1	14000	6	32029	32019
2-3/4	3/8-24 UNF	Copper	0.014	Steel	1	14000	6	32032	32021
2-3/4	5/8-11 NC	Steel	0.014	Stainless Steel	1	14000	6	32086	
2-3/4	5/8-11 NC	Steel	0.014	Steel	1	14000	6	32030	32020
2-3/4	M-10 x 1.25	Gold	0.014	Steel	1	14000	6	32027	32017
2-3/4	M-10 x 1.5	Silver	0.014	Steel	1	14000	6	32028	32018
2-3/4	M-14 x 2.0	Red	0.014	Steel	1	14000	6	32026	32016
3-1/2	5/8-11 NC	Steel	0.014	Steel	7/8	14000	1	32034	32039



KNOT WIRE CUP BRUSH

Osborn knot wire cup brushes are rugged, efficient tools 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 FLARED CUP BRUSH

Has a wide diameter for wide-area cleaning, surface preparation 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 Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Rows Wide	Trim Length	Max RPM	Std Pk	Item No.
6	5/8-11 NC	0.020	Steel	1	1-5/8	7000	6	26261

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, VARNISH



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
5-3/4	5/8-11 NC	0.014	Steel	1-3/4	6000	1	33194
5-3/4	5/8-11 NC	0.020	Steel	1-3/4	6000	1	33198
5-3/4	5/8-11 NC	0.035	Steel	1-3/4	6000	1	33204

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 Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
3-1/2	5/8-11 NC	0.014	Stainless Steel	7/8	14000	1	32061	32453
3-1/2	5/8-11 NC	0.020	Stainless Steel	7/8	14000	1	33001	33503
3-1/2	5/8-11 NC	0.020	Steel	7/8	14000	1	33000	33002

HIGH SPEED SMALL GRINDER KNOT WIRE CUP BRUSH

APPLICATIONS: REMOVES SCALE, DEBURRING, CLEANS WELDS AND FLAT SURFACES

Brush Diameter	Threaded Arbor Hole	Arbor Hole Nut Color	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
2-3/4	1/2-13 NC	Black	0.014	Stainless Steel	7/8	14000	6	33366	33390
2-3/4	1/2-13 NC	Black	0.014	Steel	7/8	14000	6	33358	33383
2-3/4	1/2-13 NC	Black	0.020	Stainless Steel	7/8	14000	6	33466	33500
2-3/4	1/2-13 NC	Black	0.020	Steel	7/8	14000	6	33458	33493
2-3/4	3/8-24 UNF	Copper	0.014	Stainless Steel	7/8	14000	6	33368	33392
2-3/4	3/8-24 UNF	Copper	0.014	Steel	7/8	14000	6	33360	33385
2-3/4	3/8-24 UNF	Copper	0.020	Stainless Steel	7/8	14000	6	33468	33502
2-3/4	3/8-24 UNF	Copper	0.020	Steel	7/8	14000	6	33460	33495
2-3/4	5/8-11 NC	Steel	0.014	Stainless Steel	7/8	14000	6	33367	33391
2-3/4	5/8-11 NC	Steel	0.014	Steel	7/8	14000	6	33359	33384
2-3/4	5/8-11 NC	Steel	0.020	Stainless Steel	7/8	14000	6	33467	33501
2-3/4	5/8-11 NC	Steel	0.020	Steel	7/8	14000	6	33459	33494
2-3/4	M-10 x 1.25	Gold	0.014	Stainless Steel	7/8	14000	6	33364	33388
2-3/4	M-10 x 1.25	Gold	0.014	Steel	7/8	14000	6	33356	33381
2-3/4	M-10 x 1.25	Gold	0.020	Stainless Steel	7/8	14000	6	33464	33498
2-3/4	M-10 x 1.25	Gold	0.020	Steel	7/8	14000	6	33456	33491
2-3/4	M-10 x 1.5	Silver	0.014	Stainless Steel	7/8	14000	6	33365	33389
2-3/4	M-10 x 1.5	Silver	0.014	Steel	7/8	14000	6	33357	33382
2-3/4	M-10 x 1.5	Silver	0.020	Stainless Steel	7/8	14000	6	33465	33499
2-3/4	M-10 x 1.5	Silver	0.020	Steel	7/8	14000	6	33457	33492
2-3/4	M-14 x 2.0	Red	0.014	Stainless Steel	7/8	14000	6	33363	33387
2-3/4	M-14 x 2.0	Red	0.014	Steel	7/8	14000	6	33355	33380
2-3/4	M-14 x 2.0	Red	0.020	Stainless Steel	7/8	14000	6	33463	33497
2-3/4	M-14 x 2.0	Red	0.020	Steel	7/8	14000	6	33455	33490



CUP BRUSHES

BRIDLED CUP BRUSH

Bridled Cup Brush offers added aggression to the cut. The removable bridle limits flaring and prevents the wire from breaking. The bridle can later be removed to expose fresh wire.

APPLICATIONS: ROUGHENING, DEBURRING, REMOVING LACQUER, DE-SCALING, CLEANING, WELD FINISHING

Outer Diameter	Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
4	5/8-11NC	0.020	Steel	3/4	8500	1	33013
5	5/8-11NC	0.020	Steel	3/4	6500	1	33014



TY™ ENCAPSULATED CUP BRUSHES

Specially formulated with a 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, FLASH AND BURR REMOVAL

TY ENCAPSULATED CUP BRUSH - STANDARD DUTY



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
3-1/2	5/8-11 NC	0.0118	Steel	1	7500	1	32629
3-1/2	5/8-11 NC	0.020	Steel	1	7500	1	32631
5-3/4	5/8-11 NC	0.014	Steel	1-1/2	6000	1	32646
5-3/4	5/8-11 NC	0.020	Steel	1-1/2	6000	1	32648

TY ENCAPSULATED CUP BRUSH - HEAVY DUTY



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
3-1/2	5/8-11 NC	0.020	Steel	1	7500	1	32634
5-3/4	5/8-11 NC	0.020	Steel	1-1/2	6000	1	32652

TY BLACK MAX ENCAPSULATED CUP BRUSH - EXTRA HEAVY DUTY



Brush Diameter	Threaded Arbor Hole	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.
4	5/8-11 NC	0.020	Steel	1-1/4	9000	1	32002

HIGH SPEED THREAD ADAPTER



Fits Arbor Hole	Thread	Std Pk	Item No.	Clamshell
5/8-11 NC	3/8-24 UNF	1	75187	75053
5/8-11 NC	M-10 x 1.25	1	75183	75036
5/8-11 NC	M-10 x 1.5	1	75185	75037

WELD CLEANING - END BRUSHES



KNOT WIRE END BRUSH

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

Brush Diameter	Overall Length	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
1/2	2-1/2	0.0104	Steel	7/8	22000	12	30103	
1/2	2-1/2	0.014	Steel	7/8	22000	12	30104	
1/2	2-3/4	0.006	Stainless Steel	1-1/8	22000	12	30426	30450
1/2	2-3/4	0.006	Steel	1-1/8	22000	12	30002	30413
1/2	2-3/4	0.0104	Stainless Steel	1-1/8	22000	12	30428	30451
1/2	2-3/4	0.0104	Steel	1-1/8	22000	12	30004	30414
1/2	2-3/4	0.014	Stainless Steel	1-1/8	22000	12	30429	30452
1/2	2-3/4	0.014	Steel	1-1/8	22000	12	30005	30415
3/4	2-1/2	0.0104	Steel	7/8	22000	12	30106	
3/4	2-1/2	0.014	Steel	7/8	22000	12	30107	
3/4	2-1/2	0.020	Steel	7/8	22000	12	30109	
3/4	2-3/4	0.006	Stainless Steel	1-1/8	20000	12	30432	30453
3/4	2-3/4	0.006	Steel	1-1/8	20000	12	30008	30416
3/4	2-3/4	0.0104	Stainless Steel	1-1/8	20000	12	30434	30454
3/4	2-3/4	0.0104	Steel	1-1/8	20000	12	30010	30417
3/4	2-3/4	0.014	Stainless Steel	1-1/8	20000	12	30435	30455
3/4	2-3/4	0.014	Steel	1-1/8	20000	12	30011	30418
3/4	2-3/4	0.020	Steel	1-1/8	20000	12	30012	30419
1	2-1/2	0.0104	Steel	7/8	22000	12	30111	
1	2-1/2	0.014	Steel	7/8	22000	12	30112	
1	2-1/2	0.020	Steel	7/8	22000	12	30113	
1	2-3/4	0.006	Stainless Steel	1-1/8	20000	12	30438	30456
1	2-3/4	0.006	Steel	1-1/8	20000	12	30014	30420
1	2-3/4	0.0104	Stainless Steel	1-1/8	20000	12	30440	30457
1	2-3/4	0.0104	Steel	1-1/8	20000	12	30016	30421
1	2-3/4	0.014	Brass	1	20000	12	30075	
1	2-3/4	0.014	Stainless Steel	1	20000	12	30441	30482
1	2-3/4	0.014	Steel	1	20000	12	30017	30422
1	2-3/4	0.020	Steel	1	20000	12	30018	30423





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.

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



Brush Diameter	Overall Length	Fill Diameter	Fill Material	Trim Length	Max RPM	Std Pk	Item No.	Clamshell
3/8	2-3/4	0.006	Steel	1	25000	12	30091	
3/8	2-3/4	0.0104	Steel	1	25000	12	30092	
1/2	2-3/4	0.005	Stainless Steel	1	25000	12	30071	30379
1/2	2-3/4	0.006	Steel	1	25000	12	30051	30370
1/2	2-3/4	0.0104	Stainless Steel	1	25000	12	30019	
1/2	2-3/4	0.0104	Steel	1	25000	12	30053	30371
1/2	2-3/4	0.014	Stainless Steel	1	25000	12	30020	
1/2	2-3/4	0.020	Steel	1	25000	12	30055	30372
3/4	2-3/4	0.006	Stainless Steel	1	20000	12	30021	
3/4	2-3/4	0.006	Steel	1	20000	12	30057	30373
3/4	2-3/4	0.0104	Stainless Steel	1	20000	12	30079	30380
3/4	2-3/4	0.0104	Steel	1	20000	12	30059	30374
3/4	2-3/4	0.014	Stainless Steel	1	20000	12	30022	
3/4	2-3/4	0.020	Steel	1	20000	12	30061	30375
1	2-3/4	0.005	Stainless Steel	1	20000	12	30083	30381
1	2-3/4	0.014	Brass	1	20000	12	30074	
1	2-7/8	0.006	Steel	1	20000	12	30063	30376
1	2-7/8	0.0104	Stainless Steel	1	20000	12	30085	30382
1	2-7/8	0.0104	Steel	1	20000	12	30065	30377
1	2-7/8	0.014	Stainless Steel	1	20000	12	30025	
1	2-7/8	0.020	Steel	1	20000	12	30067	30378

ABRASIVE APPLICATION GUIDE

Aluminum Oxide - A tough, general purpose abrasive that cuts and grinds metals like iron, bronze, cast iron, aluminum, steel and many more.

Zirconium - For the toughest, hardest jobs, you'll want the toughest, hardest abrasive in the Osborn line - our Zirconium Abrasive Wheels. They're specially designed to handle extremely difficult applications: iron, stainless steel and forgings. Best of all, they're designed for a longer working life.

Applications	Materials	Abrasive Grade
Reinforced Cut-Off Wheels		
For portable gas or electric saws, stationary or street saws and chop saws		
General purpose wheel for cutting normal metals. Excellent life.	Iron, mild steel cast iron, bronze, normal ferrous and non-ferrous metals.	A24R
Fast cutting, smooth finish, preferably high speed.	Stainless steel, small sections.	A36T
Fast cut with cool and clean edges. Average life.	Stainless steel, high tensile steel, hard cast iron.	A36R
Finer finish, cutting small sections, preferably high speed.	Steel, stainless steel, small sections.	A60T
Fast cut, cool and burr free.	Steel, stainless steel.	A60R
Reinforced Grinding Wheels		
For portable air or electric grinders		
General purpose wheel for heavy working conditions. Long life. Good stock removal.	Iron, mild steel cast iron, bronze, normal ferrous and non-ferrous metals.	A24R
Designed for cutting difficult metals. Fast cut.	Carbon steel, stainless steel and other hard alloys.	A24N
Zirconium abrasive wheel specially designed for extremely tough applications. Long life, high stock removal.	Iron, stainless steel, forgings.	ZA24R
Semi Flexible. An "All Purpose" wheel for grinding and finishing.	Carbon, stainless and cast steel, aluminum, brass and aluminum.	A-M36
Reinforced Depressed Center Cut-Off Wheels		
For portable air or electric grinders		
General purpose wheel for cutting metals. Excellent life.	Cast iron, mild steels, normal ferrous and non-ferrous metals.	A24R

CUT-OFF WHEELS

GRINDING, CUTOFF AND COMBINATION WHEELS

Built for superior performance and long life, Osborn's Grinding, Cutoff and Combination Wheels are your best choice for abrasives. This line has been re-engineered with the consumer in mind. Some new features include: reinforced design to prevent premature wheel edge wear, highly durable bond formations for longer life and precision balancing for smooth operation.

TYPE 27 DEPRESSED CENTER WHEELS FOR GRINDING, FAST GRIND

Aggressive material removal without sacrificing life. Excellent multi-purpose tool that can be used on a wide range of metals including carbon steel, stainless steel and other hard alloys.



Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4	A24N	3/8	1/4	Aluminum Oxide	15000	25	80492
4	A24N	5/8	1/4	Aluminum Oxide	15000	25	80493
4-1/2	A24N	7/8	1/4	Aluminum Oxide	13300	25	80494
4-1/2	A24N	5/8-11 NC	1/4	Aluminum Oxide	13300	10	80495
7	A24N	7/8	1/4	Aluminum Oxide	8600	25	80496
7	A24N	5/8-11 NC	1/4	Aluminum Oxide	8600	10	80497
9	A24N	7/8	1/4	Aluminum Oxide	6800	25	80498
9	A24N	5/8-11 NC	1/4	Aluminum Oxide	6800	10	80499

TYPE 27 DEPRESSED CENTER WHEELS FOR GRINDING, LONG LIFE

Aggressive and long lasting. Perfect for unusually tough applications. Excellent for iron, mild steel, cast iron, bronze, stainless steel, normal ferrous and non-ferrous metals.



Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4	A24R	5/8	1/4	Aluminum Oxide	15000	25	80503
4-1/2	A24R	7/8	1/4	Aluminum Oxide	13300	25	80504
4-1/2	A24R	5/8-11 NC	1/4	Aluminum Oxide	13300	10	80505
7	A24R	7/8	1/4	Aluminum Oxide	8600	25	80506
7	A24R	5/8-11 NC	1/4	Aluminum Oxide	8600	10	80507
9	A24R	7/8	1/4	Aluminum Oxide	6800	25	80508
9	A24R	5/8-11 NC	1/4	Aluminum Oxide	6800	10	80509

TYPE 27 DEPRESSED CENTER WHEELS FOR GRINDING, PREMIUM ZIRCONIUM

Best, most productive choice for heavy-duty, rugged applications. Excellent for iron, steel, stainless steel and forgings.

Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4-1/2	ZA24R	7/8	1/4	Zirconium	13300	10	80510
4-1/2	ZA24R	5/8-11 NC	1/4	Zirconium	13300	10	80511
7	ZA24R	5/8-11 NC	1/4	Zirconium	8600	10	80512



TYPE 27 DEPRESSED CENTER WHEELS FOR COMBINATION GRINDING AND CUTTING

Aggressive, tough and long lasting. Ideal for jobs requiring cutting, notching and light grinding. Excellent for iron, mild steel, cast iron, bronze, stainless steel, normal ferrous and non-ferrous metals.

Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4-1/2	A24R	7/8	1/8	Aluminum Oxide	13300	25	80513
4-1/2	A24R	5/8-11 NC	1/8	Aluminum Oxide	13300	10	80515
5	A24R	7/8	1/8	Aluminum Oxide	12000	25	80514
7	A24R	5/8-11 NC	1/8	Aluminum Oxide	8600	10	80516
9	A24R	5/8-11 NC	1/8	Aluminum Oxide	6800	10	80517



TYPE 27 DEPRESSED CENTER WHEELS FOR CUTTING

Durable bonds and fiberglass provide extremely fast cutting and long life. Reduces time per cut and excessive wheel changes. Added thickness of 80519 provides even longer life than the thinner counterpart. Ideal on steel and stainless steel.

Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4-1/2	A60T	7/8	0.045	Aluminum Oxide	13300	25	80518
4-1/2	A60T	7/8	3/32	Aluminum Oxide	13300	25	80519
5	A60T	7/8	0.045	Aluminum Oxide	12000	25	80520
6	A60T	7/8	0.045	Aluminum Oxide	10000	25	80521



TYPE 27 SEMI-FLEXIBLE BLENDING AND GRINDING FABRICATOR WHEELS

Semi-flexible wheel that provides the ability to grind contoured surfaces. Does not load up on soft metals like aluminum and does not glaze on hard metals like stainless steel. Removes metal like a grinding wheel; creates a finish like a resin fiber disc. Ideal on carbon, stainless and cast steel, aluminum, brass and fiberglass.



Diameter	Abrasive Type	Arbor Hole	Overall Width	Max RPM	Std Pk	Item No.
4-1/2	A-M36	7/8	1/8	13300	25	80447
7	A-M36	5/8-11 NC	1/8	8600	10	80450

TYPE 1 WHEELS FOR CUTTING ON RIGHT ANGLE GRINDERS

Durable bonds and fiberglass provide extremely fast cutting and long life. Reduces time per cut and excessive wheel changes. Added thickness of 80523 provides even longer life than the thinner counterpart. Ideal on steel and stainless steel.



Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
4-1/2	A60T	7/8	0.045	Aluminum Oxide	13300	25	80522
4-1/2	A60T	7/8	3/32	Aluminum Oxide	13300	25	80523
5	A60T	7/8	0.045	Aluminum Oxide	12000	25	80524
6	A60T	7/8	0.045	Aluminum Oxide	10000	25	80525

TYPE 1 WHEELS FOR CUTTING ON DIE/PENCIL GRINDERS

Outside reinforced cutoff wheels provide burr-free cutting. Excellent on thin walled tubing.



Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
3	A24R	3/8	1/8	Aluminum Oxide	25000	25	80529
3	A36T	1/4	0.035	Aluminum Oxide	25000	100	80534
3	A36T	1/4	1/16	Aluminum Oxide	25000	50	80530
3	A36T	3/8	0.035	Aluminum Oxide	25000	100	80526
3	A36T	3/8	1/16	Aluminum Oxide	25000	50	80537
3	A60T	1/4	0.035	Aluminum Oxide	25000	100	80539
3	A60T	1/4	1/16	Aluminum Oxide	25000	50	80532
3	A60T	3/8	0.035	Aluminum Oxide	25000	100	80528
3	A60T	3/8	1/16	Aluminum Oxide	25000	50	80527
4	A24R	3/8	1/8	Aluminum Oxide	19000	25	80538
4	A36T	3/8	0.035	Aluminum Oxide	19000	100	80535
4	A60T	1/4	1/16	Aluminum Oxide	19000	50	80533
4	A60T	3/8	0.035	Aluminum Oxide	19000	100	80531
4	A60T	3/8	1/16	Aluminum Oxide	19000	50	80536

TYPE 1 WHEELS FOR CUTTING ON CHOP SAWS

Fast, burr-free cutting with long life. Great on steel and stainless steel.

Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
12	A60R	1	3/32	Aluminum Oxide	5092	10	80540
14	A60R	1	3/32	Aluminum Oxide	4365	10	80541



TYPE 1 WHEELS FOR CUTTING ON STATIONARY SAWS

Fast cutting, multipurpose wheels deliver premium performance and extended life.

Diameter	Abrasive Type	Arbor Hole	Overall Width	Material	Max RPM	Std Pk	Item No.
10	A24R	5/8	1/8	Aluminum Oxide	6112	10	80542
12	A24R	1	1/8	Aluminum Oxide	5092	10	80543
14	A24R	1	1/8	Aluminum Oxide	4365	10	80544
16	A24R	1	5/32	Aluminum Oxide	3820	10	80545
20	A24R	1	3/16	Aluminum Oxide	3066	10	80546



ABRASIVE WHEEL ACCESSORIES

Description	Std Pk	Item No.	Clamshell
1/4" Drive Arbor Mandrel Max 4" Wheel	1	75000	75390
3/8" Drive Arbor Mandrel Max 4" Wheel	1	75001	75391
Adapts 7/8 To 5/8-11 For 7" & 9" Type 27 & 28	1	75002	

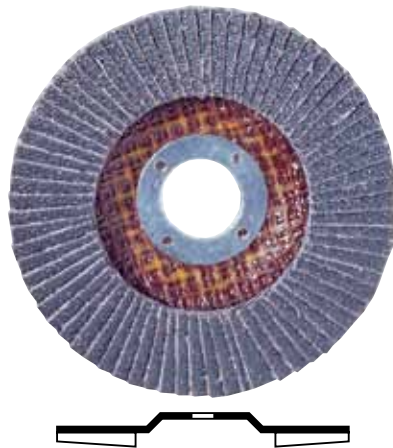


FLAP DISCS

Osborn Zirconia Alumina Flap Discs combine the jobs of grinding wheels and resin fiber discs into one simple tool. These discs combine aggressive grinding power, excellent blending and better surface finishing ability - performing up to 20 times the work of a resin fiber disc.

TYPE 29 PREMIUM FLAP DISCS

Ideal for finishing, deburring, metal prep and grinding. Excellent on stainless, carbon steel, non-ferrous and aluminum.



Diameter	Abrasive Type	Arbor Hole	Fill Material	Max RPM	Std Pk	Item No.
4-1/2	ZA36	7/8	Zirconia Alumina	13300	10	66322
4-1/2	ZA36	5/8-11 NC	Zirconia Alumina	13300	10	66326
4-1/2	ZA60	7/8	Zirconia Alumina	13300	10	66323
4-1/2	ZA60	5/8-11 NC	Zirconia Alumina	13300	10	66327
4-1/2	ZA80	7/8	Zirconia Alumina	13300	10	66324
4-1/2	ZA80	5/8-11 NC	Zirconia Alumina	13300	10	66328
4-1/2	ZA120	7/8	Zirconia Alumina	13300	10	66325
4-1/2	ZA120	5/8-11 NC	Zirconia Alumina	13300	10	66329
7	ZA24	7/8	Zirconia Alumina	8600	10	66330
7	ZA24	5/8-11 NC	Zirconia Alumina	8600	10	66334
7	ZA36	7/8	Zirconia Alumina	8600	10	66331
7	ZA36	5/8-11 NC	Zirconia Alumina	8600	10	66335
7	ZA60	7/8	Zirconia Alumina	8600	10	66332
7	ZA60	5/8-11 NC	Zirconia Alumina	8600	10	66336
7	ZA80	7/8	Zirconia Alumina	8600	10	66333
7	ZA80	5/8-11 NC	Zirconia Alumina	8600	10	66337

TYPE 27 HIGH DENSITY FLAP DISCS

Ideal for finishing, deburring, metal prep and grinding. Excellent on stainless, carbon steel, non-ferrous and aluminum. Added loft and flaps provide extended life and a cushioned feel. Replaces up to 40 resin fiber discs.



Diameter	Abrasive Type	Arbor Hole	Fill Material	Max RPM	Std Pk	Item No.
4-1/2	ZA40	7/8	Zirconia Alumina	13300	10	66338
4-1/2	ZA40	5/8-11 NC	Zirconia Alumina	13300	10	66341
4-1/2	ZA60	7/8	Zirconia Alumina	13300	10	66339
4-1/2	ZA60	5/8-11 NC	Zirconia Alumina	13300	10	66342
4-1/2	ZA80	7/8	Zirconia Alumina	13300	10	66340
4-1/2	ZA80	5/8-11 NC	Zirconia Alumina	13300	10	66343
7	ZA40	7/8	Zirconia Alumina	8600	10	66344
7	ZA40	5/8-11 NC	Zirconia Alumina	8600	10	66347
7	ZA60	7/8	Zirconia Alumina	8600	10	66345
7	ZA60	5/8-11 NC	Zirconia Alumina	8600	10	66348
7	ZA80	7/8	Zirconia Alumina	8600	10	66346
7	ZA80	5/8-11 NC	Zirconia Alumina	8600	10	66349

SCRATCH BRUSHES

The blocks of all Osborn Scratch Brushes are kiln-dried hardwood for maximum tuft retention, even in severe applications. Skilled workmanship assures you of uniform distribution of fill materials and firmly anchored tufts.

The wire fill used in Osborn Scratch Brushes provides outstanding cutting ability and offers an extremely high degree of fatigue resistance. The high-quality, staple-set wire provides long effective brush life.

V-GROOVE LONG HANDLE SCRATCH BRUSH

Designed for use in hard-to-reach areas that require a narrow face.

Block Width	Fill Diameter	Fill Material	Trim Length	Wire Rows	Std Pk	Item No.
1-1/8	0.012	Stainless Steel	1-1/2	3 x 14	12	54388
1-1/8	0.014	Steel	1-1/2	3 x 14	12	54387



V-TRIM LONG HANDLE SCRATCH BRUSH

Brush Area Length	Brush Area Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
6	15/16	13-3/4	Stainless Steel	3 x 19	1-1/4	12	54105
6	15/16	13-3/4	Steel	3 x 19	1-1/4	12	54106



V-TRIM SHOE HANDLE SCRATCH BRUSH

Brush Area Length	Brush Area Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
5-1/4	1	9-3/4	Stainless Steel	4 x 16	1-1/8	12	54103
5-1/4	1	9-3/4	Steel	4 x 16	1-1/8	12	54104





SHOE HANDLE WIRE SCRATCH BRUSH



Brush Area Length	Block Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
5-1/4	5/8	10	Steel	2 x 15	1-1/8	12	54033
5-1/4	1-1/8	10	Phosphorous Bronze	4 x 16	1-1/8	12	54020
5-1/4	1-1/8	10	Stainless Steel	4 x 16	1-1/8	12	54019
5-1/4	1-1/8	10	Steel	4 x 16	1-1/8	12	54018

ECONOMY SHOE HANDLE WIRE SCRATCH BRUSH



Brush Area Length	Brush Area Width	Overall Length	Fill Material	Fill Diameter	Wire Rows	Trim Length	Std Pk	Item No.
4-3/4	1-1/16	10	Steel	0.014	4 x 16	1-1/16	144	57814
4-3/4	1-1/16	10	Brass	0.012	4 x 16	1-1/8	12	84010
5-1/4	1-1/16	10	Stainless Steel	0.012	4 x 16	1-1/8	12	83008
5-1/4	1-1/16	10	Steel	0.014	4 x 16	1-1/8	12	83003
5-1/4	1-1/16	10	Steel	0.014	4 x 16	1-1/8	12	83005*

* Brush with Scraper

STRAIGHT HANDLE SCRATCH BRUSH WITH SCRAPER



Block Length	Block Width	Overall Length	Wire Rows	Trim Length	Blade Width	Std Pk	Item No.
5-1/2	1-1/2	11-3/8	4 x 11	1-5/8	2-7/8	12	54021

ECONOMY SCRATCH BRUSHES, STRAIGHT LONG HANDLE



Brush Area Length	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
5-3/4	11-5/8	Brass	3 X 15	1	12	89578
5-3/4	11-5/8	Brass	4 X 15	1	12	89579
5-3/4	11-5/8	Stainless Steel	3 X 15	1	12	89598
5-3/4	11-5/8	Stainless Steel	4 X 15	1	12	89599
5-3/4	11-5/8	Steel	2 X 15	1	12	89592
5-3/4	11-5/8	Steel	3 X 15	1	12	89593
5-3/4	11-5/8	Steel	4 X 15	1	12	89594



CURVED HANDLE SCRATCH BRUSH

Kiln-dried hardwood for maximum tuft retention. Smooth machined finish provides excellent comfort in use. Hang-up hole for convenient storage

Brush Area Length	Brush Area Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
6	31/32	13-11/16	Stainless Steel	3 x 19	1-1/8	12	54017
6	31/32	13-11/16	Steel	3 x 19	1-1/8	12	54015
6	31/32	13-11/16	Steel	3 x 19	1-1/8	12	54032*
6	1-1/4	13-11/16	Steel	4 x 19	1-1/8	12	54016**



* Brush with Scraper ** Heavy Duty Brush

ECONOMY CURVED HANDLE SCRATCH BRUSH

Brush Area Length	Brush Area Width	Overall Length	Fill Diameter	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
5-1/2	15/16	13-3/4	0.014	Steel	3 x 19	1-1/8	12	84002*
5-3/4	15/16	13-3/4	0.012	Brass	3 x 19	1-1/8	12	84004
6	15/16	13-3/4	0.012	Stainless Steel	3 x 19	1-1/8	12	83007
6	15/16	13-3/4	0.014	Steel	3 x 19	1-1/8	12	83001
6	1-1/8	13-11/16	0.012	Stainless Steel	4 x 19	1-1/8	12	83101**
6	1-1/8	13-11/16	0.014	Steel	4 x 19	1-1/8	12	83100**



* Brush with Scraper ** Heavy Duty Brush

SMALL CLEANING SCRATCH BRUSH

Brush Area Length	Block Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
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Angled Back

1-7/16	7/16	7-3/4	Brass	3 x 7	7/16	36	54014
1-7/16	7/16	7-3/4	Stainless Steel	3 x 7	7/16	36	54022
1-7/16	7/16	7-3/4	Steel	3 x 7	7/16	36	54048
1-7/16	7/16	7-3/4	Tan Polypro	3 x 7	7/16	36	54013

Curved Back

2-1/2	1/2	8-5/8	Brass	2 x 9	5/8	36	54023
2-1/2	1/2	8-5/8	Crimped Aluminum	2 x 9	5/8	36	54034
2-1/2	17/32	8-5/8	Polypro	2 x 9	5/8	36	54031
2-1/2	17/32	8-5/8	Stainless	2 x 9	5/8	36	54030



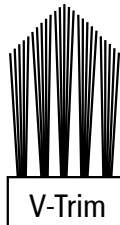


SMALL CLEANING SCRATCH BRUSH, LACED BACK STYLE - HEAVY DUTY



Brush Area Width	Overall Length	Fill Diameter	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
7/16	7-1/2	0.006	Stainless Steel	3 x 7	7/16	36	54050

V-TRIM SMALL CLEANING SCRATCH BRUSH



Brush Area Length	Brush Area Width	Overall Length	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
1-1/2	7/16	7-7/8	Brass	3 x 7	1/2	36	54100
1-1/2	7/16	7-7/8	Stainless Wire	3 x 7	1/2	36	54101
1-1/2	7/16	7-7/8	Steel Wire	3 x 7	1/2	36	54102

ECONOMY SMALL CLEANING SCRATCH BRUSH

Molded plastic handle features hang-up hole for convenient storage.



Brush Area Width	Overall Length	Fill Diameter	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
3/8	7-1/4	0.006	Brass	3 x 7	7/16	36	83112
3/8	7-1/4	0.006	Stainless Steel	3 x 7	7/16	36	83111
3/8	7-1/4	0.012	Tan Polypro	3 x 7	7/16	36	83113

CHIPPER HAMMER REPLACEMENT BRUSH FOR WELD CLEANING



Brush Area Length	Brush Area Width	Fill Material	Wire Rows	Trim Length	Std Pk	Item No.
4-11/16	7/8	Steel	3 x 15	1-3/16	12	54130

AEROSOLS

Osborn aerosols are specially formulated and packaged for top performance for industrial and institutional uses. Osborn can also provide customized formulas for specific requirements; contact your local distributor for details.

To prevent clogging in non-360° valves, invert the can and press the valve until clear gas is emitted. Osborn aerosols can be stored indefinitely at temperatures below 120°F. All of our aerosols carry a full guarantee against defects and conform to ICC and postal regulations. Our unique 360° valve allows you to hold the can at any angle and get even coverage, even in hard to reach places, without sputtering or stoppage.



AEROSOLS

76243 Welder's Anti-Spatter Powder - Improves work appearance by eliminating spatter marks. Reduces downtime required for removing spatter by grinding or chiseling. Contains no silicone. Exposes cracks in welds. Dries to a white film. Use for: maintenance, production and pipeline welding, construction and body shop welding.




76249 Welder's Anti-Spatter Liquid - Prevents weld spatter adhesion and keeps welding tips and nozzles clean. Contains no silicone. Non-greasy and nonflammable. Use on: mig nozzles, contact tips, weldments, electrode holders, fixtures, resistance welding tips and wheels.



76204 Heavy-Duty Anti-Rust Spray - Displaces moisture when applied to metal surfaces; leaves a transparent film that is easily removed by a light solvent wash. Will not harm painted surfaces.



76247 OMC/4 Four-Purpose Lubricant - Lubricates, penetrates, de moisturizes and controls rust and corrosion. 360°

76330 Can Handler - Turns a spray can into a spray gun. Eliminates finger fatigue while keeping hands clean. Features a safety lock and is reusable on any aerosol can.

IMPORTANT SAFETY INFORMATION

ALL OPERATORS MUST READ THIS INFORMATION THOROUGHLY AND COMPLETELY BEFORE USING THE BRUSH.

Operators and Work Area

All Osborn Power Brushes are built to rigid manufacturing specifications that combine the finest in design, materials and workmanship. The product you receive will give you maximum work performance, and safe operation if used properly.

ALL POWER BRUSHES, LIKE OTHER ROTATING CUTTING TOOLS, DEMAND THAT CERTAIN OPERATING PRECAUTIONS BE OBSERVED TO ASSURE OPERATOR AND WORK AREA SAFETY.

Inspection, Storage and Handling

Brushes should be carefully checked when removed from original carton. Do not use if rusted or damaged. Store brushes in original boxes. Brushes should not be exposed to heat, high humidity, acids, fumes or liquids that can result in deterioration of the filaments, and subsequently, premature failure. Check for distortion of brush fill that can cause imbalance and excessive vibration when brush is run. Do not allow foreign material to accumulate in brush face.

Warning

In normal power brushing operations, the material being removed, such as burrs, scale, weld slag, or other residue, will fly off the brush with considerable force along with brush filaments which break off due to fatigue. The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 or more feet from the brush). To protect against this hazard, before rotating the brush, during rotation, and until rotation stops, operators and others in the area must wear SAFETY GOGGLES, or FULL FACE SHIELDS WORN OVER SAFETY GLASSES WITH SIDE SHIELDS, and use PROTECTIVE CLOTHING and EQUIPMENT. You must follow all operator and safety instructions, as well as common safety practices which will reduce the likelihood or severity of physical injury.

Machine Condition

Proper maintenance of machines and power tools is essential to keep them in safe operating condition. Special operating instructions furnished should be closely followed. Hoods and safety guards must be kept in place at all times. Use adequate spindle diameter for the brush — do not use brush larger than the machine was designed for and have sufficient power to maintain rated spindle speeds. Provide proper ventilation and/or exhaust systems on all brushing operations (see ANSI Z88.2).

Mounting Brushes

Brushes should be inspected for rust, oxidation and other damage. Do not use the brush if not in good condition. Check spindle speed R.P.M. Do not mount and operate brush if spindle R.P.M. exceeds MAXIMUM SAFE FREE SPEED (MSFS) for which brush is rated. Brush arbor hole and spindle diameter should be the same for free fit. Spindle length should be sufficient to permit a full nut mounting. Direction of spindle nut thread should be in such relation to the direction of rotation that the nut will tend to tighten as spindle revolves. When flanges are used, they should be identical in size and radial bearing surface to avoid cross-bending pressure on the brush.

Work Rest

On single or double end pedestal machines, work rests of rigid and adjustable design should be used to support the workpiece while brushing. Adjust the work rest for a maximum opening of 1/8" to the brush face. This will prevent the work from being forced between the brush and rest. The work rest should be adjusted only when the brush is not in motion.

Speeds

Observe all speed restrictions indicated on the brushes, containers, labels or printed in pertinent literature. "MSFS" or "MAX. SFS" means Maximum Safe Free Speed (R.P.M.) — spinning free with no work applied. For reasons of safety, the "MSFS/MAX. SFS" should not be exceeded under any circumstances. The application determines the recommended operating speed, which should never exceed the MSFS brush ratings marked on the brush and/or shown in this catalog. Periodic speed checks are the responsibility of the operator and user. In all cases where MSFS is not indicated, and on special brushes, contact Osborn International for specific operating speed details.

Protective Equipment

The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 or more feet from the brush). To protect against this hazard, before starting the brush, during rotation, and until rotation stops, operators and others in the area must wear SAFETY GOGGLES or FULL FACE SHIELDS WORN OVER SAFETY GLASSES WITH SIDE SHIELDS ANSI Z87.1 "Occupational Eye and Face Protection." Appropriate protective clothing and equipment (such as full face shield, gloves, respirator, etc.) must be used where a probability of injury exists that can be prevented by such equipment. Certain brushing operations, because of their nature and location, may require an enclosure to isolate the operation from other personnel.

Before Starting Brush

Rotating power brushes should be used only on machines that are equipped with safety guards, and these guards must be kept in place at all times — Use eye protection and safety equipment. Inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the brush speed limit, DO NOT mount brush. Inspect or jog machine or tool to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed at least one minute before applying work — DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.

Brush Pressure

Avoid excessive brush pressure when using a power brush. Excessive pressure causes overbending of the filaments and heat buildup resulting in filament breakage, rapid dulling, and reduced brush life. Instead of greater pressure on a brush, it is suggested that you try: (1) a brush with a more aggressive cutting action (increased filament size, decreased filament length, change to a different brush type, i.e. knot type instead of crimped wire type), or (2) higher speed (increased R.P.M., increased brush diameter). IMPORTANT NOTE: Never exceed the recommended MAXIMUM SAFE FREE SPEED R.P.M. (MSFS/MAX. SFS) rating of the brush.



Safety Standard

Comply with the Safety Standards of the American National Standards Institute, ANSI B165.1 and ANSI B165.2 — "Safety Requirements — Power Brushes."

A WELD IS NOT DONE UNTIL IT'S FINISHED OSBORN BRUSHES MAKE THE JOB COMPLETE FROM START TO FINISH.



You know what it takes to get the job done right. And you can rely on Osborn to provide the products that perform time and time again.

That's why you've always chosen to use genuine Osborn brushes for surface preparation and finishing.

For more than a century, Osborn's dedication and commitment to quality have firmly established us as an industry leader.

Our innovative products have set the standard industry-wide.



YOU AND OSBORN TEAMING UP TO FINISH THE JOB

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