




Internal Brushes

Access hard-to-reach results

From start to finish, Osborn has your back with innovative solutions.

As the global leader in surface treatment and finishing solutions, Osborn knows that it's about more than just a product. With Osborn, you have a partner; an expert in your field that is dedicated to providing you the right solutions to do the job at hand **better**, **faster**, and **safer**.




The **highest quality materials** deliver the most efficient results

135+
years of
experience

Local Inventories
Osborn serves 120 countries around the world. North American, European and Asian manufacturing assure product availability and prompt delivery.

Internal brushes are available in several filament styles, sizes, and configurations, allowing you to choose the right brush for your application. These brushes are ideal for reaching into holes and crevices where other brushes cannot.



Hands-on Testing
of your complex
workpiece to develop
a tailored solution.

100%
performance
satisfaction
guaranteed

Complete Solutions

Osborn's quality and tradition provide customers one more advantage. With our internal brushes offer, you can count on Osborn for your surface treatment and finishing needs, From Start to Finish.

FINDING THE RIGHT INTERNAL BRUSH

Internal brushes, also known as “side action” brushes, are designed for use on portable tools and drill presses. They provide hard-working brush action for fast, thorough cleaning and finishing in such hard-to-reach places such as small diameter holes, internally threaded surfaces, and many otherwise inaccessible areas. Fill materials include steel, stainless steel, brass and nylon.

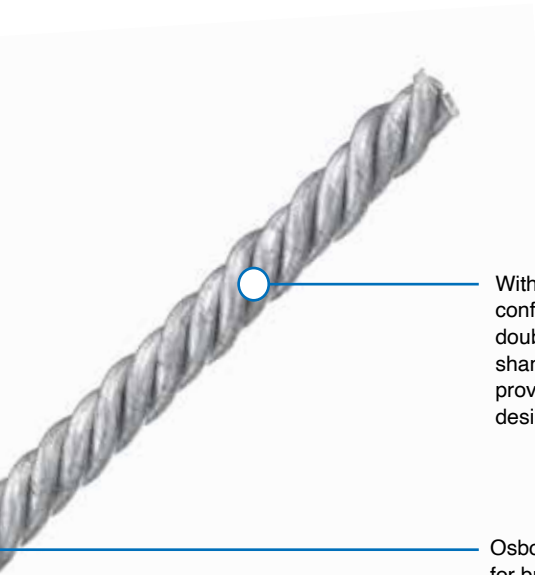
Internal Brush Selection Guide

Brush Material	Part Type	Aluminum	Brass	Copper	Iron	Plastic	Steel	Stainless Steel
Crimped Wire								
Steel	—	◆	◆	●	—	●	—	—
Stainless	◆	◆	◆	◆	—	◆	●	●
Nonferrous	◆	●	●	—	■	■	■	■
TY™ Encapsulated Wire								
Pliant Polymer	—	—	—	●	—	●	●	●
Rigid Polymer	—	—	—	●	—	●	●	●
Natural Fibers								
Treated Tampico	◆	◆	◆	◆	●	●	●	●

● Best Choice ◆ Very Good ■ Suitable — Not Recommended



Osborn solutions Osborn offers more than 130 years of experience, excellent service, consultation, innovative products, as well as heart and soul for our work. If you are looking for an expert in surface treatment solutions, we are your first choice. **Contact an Osborn expert today to find the best solution for your challenging applications.**



With multiple construction configurations consisting of double stem, single stem, shanked or handled brushes to provide many options for your desired set up methods.



Osborn has several options for brushes in multiple fill materials and brush configurations to suit any application.



Tube brushes are used on drills, drill presses, low-speed power tools, and manual operation providing a wide range of applications for internal cleaning and deburring in machined passages and bores, tubing, tapped holes and pipes.



Delivering on value. Osborn delivers value through premium quality products, respect for the safety of our employees, customers, and our unique ability to uncover cost-saving solutions while delivering on-time.

135+
years of
experience

With Osborn, you'll get innovative solutions that are backed by unmatched experience and reliable local support. Most importantly, you get a partner who knows how to help you **Finish. First.**

INTERNAL BRUSHES

HeliTuf™ Crimped Wire Internal Brush

Featuring a unique helix design that is densely packed with steel or stainless steel, Osborn's HeliTuf™ Crimped Wire Internal Brush provides rugged brushing action to tackle recessed cleaning tasks quickly and efficiently. Ideal for cleaning the internal diameter of a hole, cleaning threads and brushing edges of keyways and can be used by hand or with power tools.

Applications: Cleaning the entire inside circumference of a hole, cleaning out threaded areas, brushing edges of keyways and other recesses



Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/4	0.005	1	3-1/2	1/8	0003601200
Steel	5/16	0.005	1	3-1/4	1/8	0003601700
Steel	5/16	0.005	1	3-1/4	1/8	00036032B0 (a)
Steel	3/8	0.005	1	3-1/2	1/8	0003602200
Steel	3/8	0.008	1	3-1/2	1/8	0003602300
Steel	3/8	0.008	1	3-1/4	1/8	00036023B0 (a)
Steel	7/16	0.005	1	3-1/2	1/8	0003602700
Steel	1/2	0.005	1	3-1/2	1/8	0003603200
Steel	1/2	0.008	1	3-1/2	1/8	0003603300
Steel	1/2	0.008	1	3 1/2	1/8	00036033B0
Steel	9/16	0.005	1	3-1/2	1/8	0003603700
Steel	5/8	0.005	1	3-1/2	1/8	0003604200
Steel	5/8	0.008	1	3-1/2	1/8	0003604300
Steel	5/8	0.008	1	3-1/2	1/8	00036042B0 (a)
Steel	3/4	0.005	1	3-1/2	1/8	0003605200
Steel	3/4	0.008	1	3-1/2	1/8	0003605300
Steel	11/16	0.005	1	3-1/2	1/8	0003604700
Steel	13/16	0.005	1	3-1/2	1/8	0003605700
Steel	7/8	0.005	1	3-1/2	1/8	0003606200
Steel	7/8	0.008	1	3-1/2	1/8	0003606300
Steel	15/16	0.005	1	3-1/2	1/8	0003606700
Steel	1	0.005	1	3-1/2	1/8	0003607200
Steel	1	0.008	1	3-1/2	1/8	0003607300
Steel	1-1/8	0.005	1	3-1/2	1/8	0003608200
Steel	1-1/4	0.008	1	3-1/2	1/8	0003609300
Stainless Steel	1/4	0.005	1	3-1/2	1/8	0003613900
Stainless Steel	3/8	0.005	1	3-1/2	1/8	0003614700
Stainless Steel	3/8	0.008	1	3-1/2	1/8	0003614800
Stainless Steel	7/16	0.005	1	3-1/2	1/8	0003615100
Stainless Steel	1/2	0.005	1	3-1/2	1/8	0003615500
Stainless Steel	1/2	0.008	1	3-1/2	1/8	0003615600
Stainless Steel	5/8	0.005	1	3-1/2	1/8	0003616300
Stainless Steel	5/8	0.008	1	3-1/2	1/8	0003616400
Stainless Steel	11/16	0.005	1	3-1/2	1/8	0003616700
Stainless Steel	3/4	0.008	1	3-1/2	1/8	0003617200
Stainless Steel	7/8	0.005	1	3-1/2	1/8	0003617900
Stainless Steel	1	0.005	1	3-1/2	1/8	0003618700
Stainless Steel	1	0.008	1	3-1/2	1/8	0003618800
Stainless Steel	1-1/8	0.005	1	3-1/2	1/8	0003619500
Stainless Steel	1-1/4	0.008	1	3-1/2	1/8	0003620400

(a) sold in bulk

Use with HeliTuf™ extension holder 0007500300 features a 3/16" externally threaded stem, while extension holder 0007500400 features a 1/4" internally threaded stem. Use both extension holders to form an 8" long brush.

Situft™ Crimped Wire Internal Brush

Osborn Situft™ Crimped Wire Internal Brushes feature densely packed tufts of proprietary TufWire™ steel wire strands for optimal side-action brushing and brush longevity. Conveniently adapts to drill presses, lathes, bench grinders, and portable tools to tackle a wide variety of recess cleaning applications, such as inside diameters, threads and keyways.

Applications: Cleaning threads, drilled holes and tubes where space is limited

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/4	0.003	9/16	2-1/8	3/32	0003502100
Steel	1/4	0.004	9/16	2-1/8	3/32	0003502200
Steel	1/4	0.005	9/16	2-1/8	3/32	0003502300
Steel	9/32	0.005	9/16	2-1/8	3/32	0003502700
Steel	5/16	0.003	9/16	2-1/8	3/32	0003503100
Steel	5/16	0.005	9/16	2-1/8	3/32	0003503200
Steel	3/8	0.003	9/16	2-1/8	3/32	0003504100
Steel	3/8	0.005	9/16	2-1/8	3/32	0003504200
Steel	3/8	0.008	9/16	2-1/8	3/32	0003504300
Steel	7/16	0.003	9/16	2-1/8	3/32	0003505100
Steel	7/16	0.005	9/16	2-1/8	3/32	0003505200
Steel	1/2	0.003	9/16	2-1/8	3/32	0003506100
Steel	1/2	0.005	9/16	2-1/8	3/32	0003506200
Steel	1/2	0.008	9/16	2-1/8	3/32	0003506300
Steel	1/2	0.005	5/8	2-1/4	1/8	0003507700
Steel	1/2	0.008	5/8	2-1/4	1/8	0003507800
Steel	9/16	0.003	5/8	2-1/4	3/32	0003508100
Steel	9/16	0.005	5/8	2-1/4	1/8	0003508200
Steel	5/8	0.003	5/8	2-1/4	1/8	0003508600
Steel	5/8	0.005	5/8	2-1/4	1/8	0003508700
Steel	5/8	0.008	5/8	2-1/4	1/8	0003508800
Steel	3/4	0.003	5/8	2-1/4	1/8	0003509600
Steel	3/4	0.005	5/8	2-1/4	1/8	0003509700
Steel	3/4	0.008	5/8	2-1/4	1/8	0003509800
Steel	7/8	0.005	5/8	2-1/4	1/8	0003510700
Steel	1	0.005	5/8	2-1/4	1/8	0003511700
Steel	1	0.008	5/8	2-1/4	1/8	0003511800
Steel	1-1/8	0.005	5/8	2-1/4	1/8	0003512700
Steel	1-1/4	0.005	5/8	2-1/4	1/8	0003513700
Steel	1-1/4	0.008	5/8	2-1/4	1/8	0003513800
Stainless Steel	5/32	0.003	5/8	2-1/4	1/16	0003517600
Stainless Steel	1/4	0.005	9/16	2-1/8	3/32	0003518100
Stainless Steel	3/8	0.005	9/16	2-1/8	3/32	0003518900
Stainless Steel	1/2	0.005	9/16	2-1/8	3/32	0003519700
Stainless Steel	5/8	0.005	5/8	2-1/4	1/8	0003520500
Stainless Steel	3/4	0.005	5/8	2-1/4	1/8	0003521300
Stainless Steel	7/8	0.005	5/8	2-1/4	1/8	0003522100
Stainless Steel	1	0.005	5/8	2-1/4	1/8	0003522900
Stainless Steel	1-1/4	0.005	5/8	2-1/4	1/8	0003524500
Brass	1/4	0.005	5/8	2-1/4	3/32	0003528100
Brass	7/16	0.005	9/16	2-1/8	3/32	0003529000
Brass	1/2	0.005	9/16	2-1/8	3/32	0003529300
Brass	7/8	0.005	5/8	2-1/4	1/8	0003531100



Use with Situft™ holder 0007500500 for brushes with 3/32" stems and Situft™ holder 0007500600 for brushes with 1/8" stems

Situft™ Nylon Internal Brush

Featuring durable nylon filament for increased brush life, Osborn's Situft™ Nylon Internal Brushes offer light-duty cleaning and dirt removal from confined areas. Situft™ brushes should only be used with suitable holders or in self-centering chucks.

Applications: Cleaning interior surfaces, removing dirt



Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Nylon	1/2	0.01	9/16	2-1/8	3/32	0003535800

Straight Wire Tube Brush—Double Stem, Double Spiral

Constructed of premium steel filament with up to 3-1/2" of brush area length, Osborn Straight Wire Tube Brushes quickly clean threads, drilled holes, and tubes where space is limited. They can be used as a hand tool, mounted in a drill press or on a portable power tool.

Applications: Internal cleaning, removal of small imperfections, surface preparation



Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/4	0.006	2	6	5/32	0005105000
Steel	3/8	0.006	2	6	5/32	0005105100
Steel	1/2	0.006	2	6	5/32	0005105200
Steel	5/8	0.006	3-1/2	5-1/2	5/32	0005105300
Steel	3/4	0.006	3-1/2	5-1/2	5/32	0005105400
Steel	7/8	0.006	3-1/2	5-1/2	5/32	0005105600
Steel	1-1/2	0.01	2-1/2	5	5/32	0001762600
Steel	1 3/4	0.01	2-1/2	5	5/32	0001763100

Flue Brush—Straight Wire, Double Spiral

Premium quality steel filament makes quick work of internally cleaned pipes and flues. Available in a variety of diameters for various sized projects. All standard flues are referred to by their outside diameter, which is usually 1/4" larger than its inside diameter (For example: the diameter of a 3" Flue Brush is approximately 2-3/4", or the inside diameter of a standard 3" flue). Brushes are designed for manual cleaning or for use with power tools.

Applications: Manual or power cleaning of pipes and flues



Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/2	0.01	4-1/2	7-1/2	7/16	0005106000
Steel	5/8	0.01	4-1/2	7-1/2	1/2	0005106100
Steel	3/4	0.01	4-1/2	7-1/2	1/2	0005106200
Steel	7/8	0.01	4-1/2	7-1/2	1/2	0005106300
Steel	1	0.01	4-1/2	7-1/2	1/2	0005106400
Steel	1-1/4	0.012	4-1/2	7-1/2	1/2	0005106500
Steel	1-1/2	0.012	4-1/2	7-1/2	1/2	0005106600
Steel	1-3/4	0.012	4-1/2	7-1/2	1/2	0005106700
Steel	2	0.012	4-1/2	7-1/2	1/2	0005106800
Steel	2-1/4	0.012	4-1/2	7-1/2	1/2	0005106900
Steel	2-1/2	0.012	4-1/2	7-1/2	1/2	0005107000
Steel	2-3/4	0.014	4-1/2	7-1/2	1/2	0005107100
Steel	3	0.014	4-1/2	7-1/2	1/2	0005107200
Steel	3-3/4	0.016	4-1/2	7-1/2	1/2	0005107400

Nylex Single Stem, Single Spiral, with Adapter.



Cleaning engine blocks, heads, and assorted parts during the engine rebuilding process. Also, excellent on tubes and flues.

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Nylon	5/8	0.018	4	6	1/4	0005610300

Crimped Wire Tube Brush—Double Stem, Double Spiral



Constructed of premium steel or stainless steel filament in a variety of brush diameters, Osborn Crimped Wire Tube Brushes offer exceptional internal cleaning and surface preparation capabilities. Double stem and double spiral designs offer ruggedness and versatility, and can be used as a hand tool, mounted in a drill press or on a portable power tool.

Applications: Internal cleaning, removal of small imperfections, surface preparation

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	3/8	0.003	1-1/2	4	0.124	0005101900
Steel	1/2	0.004	2	5	0.187	0005102000
Steel	1/2	0.006	2	5	0.187	0005102100
Steel	5/8	0.006	2	5	0.208	0005102200
Steel	5/8	0.008	2	5	0.208	0005102300
Steel	5/8	0.01	2	5	0.208	0005102400
Steel	3/4	0.006	2-1/2	5	0.238	0005102500
Steel	3/4	0.01	2-1/2	5	0.238	0005102700
Steel	7/8	0.006	2-1/2	5	0.238	0005102800
Steel	7/8	0.01	2-1/2	5	0.238	0005103000
Steel	1	0.006	2-1/2	5	0.238	0005103100
Steel	1	0.01	2-1/2	5	0.238	0005103300
Steel	1-1/4	0.006	2-1/2	5	0.128	0005101500
Steel	1-1/4	0.01	2-1/2	5	0.238	0005103700
Steel	1-1/2	0.01	2-1/2	5	0.238	0005103800
Steel	2	0.01	2-1/2	5	0.238	0005103900
Stainless Steel	1/2	0.004	2	5	0.187	0005109100
Stainless Steel	5/8	0.006	2	5	0.208	0005108800
Stainless Steel	5/8	0.01	2	5	0.208	0005109000
Stainless Steel	3/4	0.01	2-1/2	5	0.238	0005109300
Stainless Steel	7/8	0.01	2-1/2	5	0.238	0005109600
Stainless Steel	1	0.01	2-1/2	5	0.238	0005109900
Stainless Steel	1-1/4	0.01	2-1/2	5	0.238	0005108500
Stainless Steel	1-1/2	0.01	2-1/2	5	0.238	0005108600
Stainless Steel	2	0.01	2-1/2	5	0.238	0005108700

Green TY™ Encapsulated Tube Brush—Double Stem, Double Spiral



This high quality Osborn brush features the versatility of a crimped wire tube brush with the added strength of TY™ elastomer encapsulation. The green (standard duty) elastomer supports wire strands to provide a stronger brushing action and longer brush life. Ideal for internal cleaning, imperfection removal and surface preparation.

Applications: Internal cleaning, removal of small imperfections, surface preparation

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/2	0.006	2	5	1/8	0005111000
Steel	5/8	0.01	2	5	1/8	0005111100
Steel	3/4	0.01	2-1/2	5	5/32	0005111200
Steel	7/8	0.01	2-1/2	5	5/32	0005111300
Steel	1	0.01	2-1/2	5	5/32	0005111400
Stainless Steel	3/4	0.01	2-1/2	5	5/32	0005112200

Crimped Wire Spiral Tube Brush—Single Stem, Single Spiral



This small diameter crimped wire brush is designed to tackle a wide variety of internal cleaning jobs. Available with choice of steel or stainless steel filament for use on hand tools, drill presses and power tools, Osborn Crimped Wire Spiral Tube Brushes are designed for optimal performance and longevity.

Applications: Cleaning and Deburring, Tubes, Pipes, Brake Parts, and Fuel Injectors.

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	1/4	0.005	1	3-1/2	1/8	00036700NG
Steel	5/16	0.005	1	3-1/2	7/64	00036704NG
Steel	3/8	0.004	1	3-1/2	1/8	0001755700
Steel	3/8	0.005	1	3-1/2	.110	00036708NG
Steel	3/8	0.008	1	3-1/2	1/8	0003670900
Steel	1/2	0.005	1	3-1/2	3/16	00036716NG
Steel	1/2	0.008	1	3-1/2	3/16	0003671700
Steel	9/16	0.005	1	3-1/2	3/16	00036720NG
Steel	5/8	0.005	1	3-1/2	3/16	0003672400
Steel	5/8	0.008	1	3-1/2	3/16	00036725NG
Steel	11/16	0.005	1	3-1/2	3/16	00036728NG
Steel	3/4	0.005	1	3-1/2	7/32	00036732NG
Steel	3/4	0.008	1	3-1/2	7/32	0003673300
Steel	13/16	0.005	1	3-1/2	7/32	0003673600
Steel	1	0.005	1	3-1/2	1/4	00036748NG
Steel	1	0.008	1	3-1/2	1/4	0003674900
Steel	1-1/4	0.008	1	3-1/2	1/4	00036757NG
Steel	1-1/2	0.005	1	3-1/2	1/4	0003676000
Steel	1-1/2	0.008	1	3-1/2	1/4	0003676100

Brass Wire Tube Brush—Double Stem, Double Spiral



Designed with a double stem and double spiral for strength, this Brass Wire Tube Brush offers increased strength for more difficult internal cleaning jobs. Premium brass wire fill provides uniform performance when used as a hand tool, on a drill press or portable power tools. Ideal for mold cleaning and cleaning/deburring aluminum motor mounts.

Applications: Mold cleaning, cleaning and deburring aluminum motor mounts

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Brass	1/4	0.005	1-1/2	4	0.124	0005114900
Brass	3/8	0.005	1-1/2	4	0.124	0005115000
Brass	1/2	0.005	2	5	0.163	0005115100
Brass	5/8	0.005	2	5	0.208	0005115200
Brass	3/4	0.006	2	5	0.208	0005115300
Brass	7/8	0.006	2-1/2	5-1/2	0.238	0005115400
Brass	1	0.006	2-1/2	5-1/2	0.238	0005115500

Horse Hair Tube Brush-Single Stem, Single Spiral



This durable and resilient tube brush is designed for fine particle removal providing a scratch-free sweeping action. Premium fine texture with naturally flagged tips can be blended with other materials and is resistant to high temperatures.

Applications: Fine particle removal on polished tube surfaces, holes, and fittings.

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Horse Hair	1/4	0.005	1	12	7/64	00056434NG
Horse Hair	1/2	0.005	3	5-1/2	9/16	0005113800
Horse Hair	1/2	0.005	4	12	1/8	00056188NG
Horse Hair	1	0.005	4	12	1/8	00056180NG
Horse Hair	1	0.003	4	11 1/4	1/8	0007071000

Sibot Internal Finishing Brush



This hard-working square-trimmed brush features rugged crimped steel wire to efficiently brush both the bottom and sides of a hole in a single operation. Provides quick, uniform cleaning of internal surfaces, and can be used in drill presses and portable tools. Ideal for removing fine burrs from the edges of cross-drilled holes and spot facing.

Applications: For removing fine burrs from the edges of cross-drilled holes, spot facing

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Shank Ø	Part No.
Steel	2	0.006	3/8	3-1/4	1/4	0001119000
Steel	2	0.006	3/8	3-5/8	1/4	0001119400
Steel	2	0.006	1/2	3-3/4	1/4	0001119800 (a)
Steel	2	0.006	1/2	3-3/4	1/4	0001120200 (b)
Steel	3	0.006	1/2	3-15/16	1/4	0001121000

(a) light duty (b) heavy duty

Tube Brush—Single Stem, Single Spiral



This small diameter crimped wire brush is designed to tackle a wide variety of internal cleaning jobs. Available with choice of steel or stainless steel filament for use on hand tools, drill presses and power tools, these brushes are designed for optimal performance and longevity.

Applications: Cleaning and deburring tubes, pipes, brake parts, fuel injectors

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	3/16	0.004	1-1/2	7	3/32	0005100100
Steel	3/16	0.006	1-1/2	7	3/32	0005100200
Steel	1/4	0.004	1-1/2	7	7/64	0005100300
Steel	1/4	0.006	1-1/2	7	7/64	0005100400
Steel	3/8	0.004	1-1/2	8	1/8	0005100500
Steel	3/8	0.006	1-1/2	8	11/64	0005100600
Steel	1/2	0.006	2	8	1/4	0005100700
Steel	1/2	0.008	2	8	1/4	0005100800
Stainless Steel	3/16	0.006	1-1/2	7	3/32	0005108000
Stainless Steel	1/4	0.006	1-1/2	7	7/64	0005108100
Stainless Steel	3/8	0.006	1-1/2	8	0.168	0005108200
Stainless Steel	3/8	0.006	3	24	5/32	0005987700
Stainless Steel	1/2	0.006	2	8	5/32	0005108300
Stainless Steel	3/4	0.006	2-1/2	12	5/32	00051170NG
Stainless Steel	1	0.006	2-1/2	10	5/32	00051169NG
Stainless Steel	2	0.006	3	12	5/32	00056259NG

Brass Wire Tube Brush—Single Stem, Single Spiral



Featuring straight brass wire filament and available in 1/8"–1" diameters, Osborn's Brass Wire Tube Brush provides uniform performance for a variety of internal cleaning and deburring jobs. Designed for use as a hand tool, mounted on a dress press or on portable power tools.

Applications: Cleaning and deburring tubes, pipes

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Brass	1/8	0.004	1	6	0.087	0005114100
Brass	1/4	0.004	1-1/2	7	0.087	0005114200
Brass	3/8	0.004	2	8	0.115	0005114300
Brass	1/2	0.004	2	8	0.115	0005114400
Brass	5/8	0.005	2-1/2	9	0.125	0005114500
Brass	3/4	0.005	2-1/2	9	0.125	0005114600
Brass	7/8	0.005	3	10	0.168	0005114700
Brass	1	0.005	3	10	0.168	0005114800

Bronze Crimped Wire Tapered Tube Brush-Double Stem, Double Spiral



Designed with a double stem and double spiral for strength, this bronze wire tapered tube brush offers increased flexibility and scratch-free action. Premium bronze wire fill provides uniform performance when used for cleaning mold, dirt, oils and debris from holes, tubes and barrels.

Applications: Mold and debris cleaning, cleaning of tubes, straight and rifled gun barrels.

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Bronze	3/4	0.005	4	7	7/32	0005502700

Crimped Wire Spiral Tube Brush, Single Stem Single Spiral, with Handle



This tube end fitting brush features crimped steel wire held firmly in heavy stem wire with composite oval handles.

Applications: Manual cleaning of tubing and fittings.

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Part No.
Steel	1/4	0.005	1	6-3/8	0007525000
Steel	3/8	0.005	1	6-3/8	0007525100
Steel	1/2	0.008	1	6-3/8	0007525200
Steel	41/64	0.008	1	6-3/8	0007525300
Steel	3/4	0.008	1	6-3/8	0007525400
Steel	57/64	0.008	1	6-3/8	0007525500
Steel	1-1/64	0.008	1	6-3/8	0007525600
Steel	1-9/64	0.01	1	6-3/8	0007525700
Steel	1-19/64	0.01	1-1/4	6-3/8	0007525800
Steel	1-21/32	0.01	1-1/2	6-3/8	0007525900
Steel	2-3/16	0.01	1-3/4	6-3/8	0007526000

Straight Wire Valve Guide Brush



Narrow diameter steel wire brush can be used as a hand tool, on a drill press, or on portable power tools. Ideal for cleaning valve guide bores or similar applications.

Applications: Cleaning valve guide bores

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Steel	5/16	0.01	1-5/8	9-3/8	7/32	0005107500
Steel	3/8	0.01	1-5/8	3-3/8	7/32	0005107600

Nylon Tube/Spout Brush



Designed specifically as a hand tool, Osborn's Nylon Tube/Spout Brush features quality nylon fill and a handy eye loop. Ideal for cleaning engine blocks, heads, and other assorted parts during the engine rebuilding process.

Applications: Cleaning engine blocks, heads, and assorted parts during the engine rebuilding process

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Nylon	1/8	0.003	3/4	12	7/32	0005104800
Nylon	1/4	0.005	2	6-1/4	3/32	0005110000
Nylon	1/4	0.01	2	3-1/4	27/32	0005115800
Nylon	5/16	0.008	2	12	5/16	0005901700
Nylon	3/8	0.005	2	6-1/4	3/32	0005110100
Nylon	1/2	0.005	3	8-1/2	7/32	0007043000
Nylon	1/2	0.008	3	8-1/2	3/32	0005110200
Nylon	1/2	0.005	3	9	1/4	0005902100
Nylon	3/4	0.012	3	8-3/4	1/8	0005110300
Nylon	1	0.01	3	16	5/32	0005614900
Nylon	1	0.01	5	15-1/2	5/32	0005110400
Nylon	1-1/4	0.01	5	15-1/2	5/32	0005110500
Nylon	1-1/2	0.01	5	15-1/2	7/32	0005110600
Nylon	2	0.01	5	15-1/2	7/32	0005110800

Nylon Percolator Brush



Osborn's Nylon Percolator Brush features high quality 0.01" white nylon fill in a twisted wire stem/handle. Includes eye loop for convenient use as a hand tool. Ideal for cleaning internal percolator stems and similar applications.

Applications: Cleaning internal percolator stems

Fill Material	Diameter	Fill Material Ø	Face Width	Length	Stem Ø	Part No.
Nylon	7/16	0.01	3-1/2	11-1/2	1/8	0005110900

4-in-1 Fitting Brush



For cleaning inside and outside diameters tubes and fittings. Handy tool makes quick work of copper plumbing installation.

- High-carbon steel ID brush
- Hard-tempered steel OD brush
- High-impact polystyrene cover

Applications: Soldering prep and tube cleaning, deburring, drill hole cleaning, bolt and battery terminal cleaning. Cleans inside of 1/2" and 3/4" fittings. Cleans outside of 5/8" and 7/8" tubing.

Inside Diameter	Outside Diameter	Part No.
1/2" & 3/4"	5/8" & 7/8"	0005687100

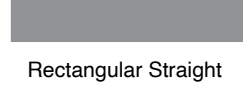
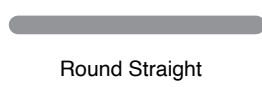
ATB™ Internal Brushes

Premium quality ATB™ internal brushes are available in several filament styles allowing you to choose the right brush for your application. Ideal in both wet and dry applications, these brushes are great for automated and manual operations.

ATB™ INTERNAL BRUSHES

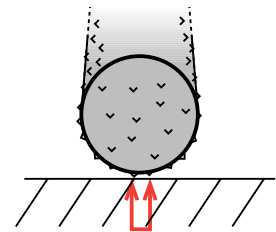
Filament Geometry Options:

ATB™ abrasive tools feature four different filament geometries: round crimped, round straight, rectangular crimped, rectangular straight.



Round abrasive nylon filaments are impregnated with either Silicon Carbide, Ceramic or Aluminum Oxide grit. Grit sizes vary from coarse to very fine. This style is available in crimped or uncrimped form, and is also made in Alumina Silicate and Polycrystalline Diamond super abrasives.

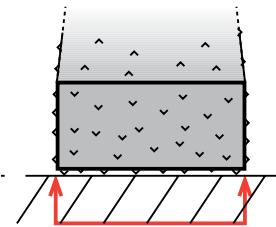
- For general use
- Provides point contact—light to medium application technology
- Fine grit sizes are able to radius small corners
- Uncrimped filaments generate twice the abrasive contact on work surface
- Increased flexibility to conform to irregular surfaces



Point Contact

Rectangular Abrasive Nylon Filaments are impregnated with either Silicon Carbide, Ceramic or Aluminum Oxide and are offered in grit sizes ranging from coarse to fine.

- For high performance work
- Line contact—heavy duty application technology
- Applies approximately 18 times more abrasive on work surface
- Ideal on applications requiring more surface compliance without sacrificing the amount of abrasive in contact with the work surface
- Larger cross section allows the filament to be more rigid and aggressive
- Shorter cycle times
- Ability to remove micro chips and materials
- Excellent performance at lower rotational speeds



Line Contact

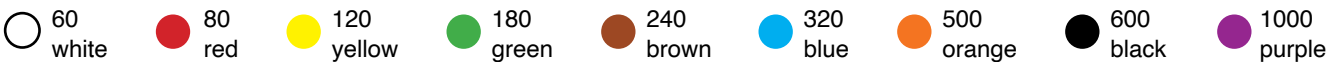
Filament & Grit Size Options

Smaller filaments with smaller grit size produce a finer finish and offer longer life. Larger filaments are more rigid and apply larger abrasive grit to the work piece with greater force and increased aggression. Grit sizes are available from 46–1000.

Crimped filaments offer better part conformability. Rectangular filaments offer higher aggression.

Shapes										
Sizes	mil	12	18	22	24	35	40	50	30x70	45x90
	mm	0.30	0.46	0.56	0.61	0.89	1.02	1.27	0.76 x 1.78	1.14 x 2.29
Grit Silicon Carbide (SC) Aluminium Oxide (AO)			SC	SC	SC	SC	SC	SC	SC	SC
		AO		AO	AO	AO	AO	AO	AO	AO
Mesh (USA Std.)		600	500	320	120	180	120	80	80 120 180 320 600	80 120 180 320 600

Color Grit Codes



ATB™ brush tools are color coded for easy identification

ATB Helituf™ Internal Brush

Designed with high-quality nylon filament embedded with durable Silicon Carbide and unique helix design. Osborn ATB Helituf™ provides efficient internal surface cleaning and deburring action. Use with suitable holders or in self-centering chucks.

Applications: Automated or manual deburring, edge contouring and cleaning.



Fill Material	Fill Material Ø	Grit Size	Face Width	Length	Stem Ø	Part No.
Silicon Carbide	3/8	120	1	3-1/2	1/8	0003625600
Silicon Carbide	1/2	120	1	3-1/2	1/8	0003625100
Silicon Carbide	1/2	120	1	3-1/2	1/8	0003625700
Silicon Carbide	5/8	120	1	3-1/2	1/8	0003625200
Silicon Carbide	5/8	120	1	3-1/2	1/8	0003625800
Silicon Carbide	3/4	120	1	3-1/2	1/8	0003625300
Silicon Carbide	3/4	120	1	3-1/2	1/8	0003625900
Silicon Carbide	1	120	1	3-1/2	1/8	0003625400
Silicon Carbide	1	120	1	3-1/2	1/8	0003626000
Silicon Carbide	1-1/4	120	1	3-1/2	1/8	0003625500
Silicon Carbide	1-1/4	120	1	3-1/2	1/8	0003626100

Use with Helituf extension holder 0007500300 features a 3/16" externally threaded stem, while extension holder 0007500400 features a 1/4" internally threaded stem. Use both extension holders together to form an 8" long brush.

ATB Situft™ Internal Brush

Features premium-quality abrasive nylon filaments for efficient, aggressive abrasive action across a wide range of internal cleaning and finishing operations. Situft™ brushes should be used only with suitable holders.

Applications: Cleaning threads, drilled holes and tubes where space is limited

Fill Material	Diameter	Grit Size	Face Width	Length	Stem Ø	Part No.
Silicon Carbide	3/8	120	1	3-1/2	1/8	0003550000
Silicon Carbide	1/2	120	1	3-1/2	1/8	0003550100
Silicon Carbide	3/4	120	1	3-1/2	1/8	0003550300
Silicon Carbide	1-1/4	120	1	3-1/2	1/8	0003550500

ATB™ Tube Brush

Built with spiral-mounted nylon filaments and abrasive Silicon Carbide grit for extra cutting and cleaning action without sacrificing brush life. Brush can be mounted onto a portable or stationary tool.

Applications: Internal cleaning, removal of small imperfections, surface preparation

Fill Material	Diameter	Grit Size	Face Width	Length	Stem Ø	Part No.
Silicon Carbide	3/8	80	2	5	3/16	0005601000
Silicon Carbide	7/16	120	2	3	5/32	0005663800
Silicon Carbide	1/2	80	2	5	3/16	0005601100
Silicon Carbide	5/8	80	2	5	0.208	0005601200
Silicon Carbide	5/8	120	2	5	0.208	0005631200
Silicon Carbide	3/4	80	2-1/2	5	0.238	0005601300
Silicon Carbide	1	80	2-1/2	5-1/2	0.238	0005601500
Silicon Carbide	1	120	2-1/2	5-1/2	0.208	0005631500
Silicon Carbide	1-1/4	80	2-1/2	5-1/2	0.238	0005601600
Silicon Carbide	1-1/4	120	2-1/2	5-1/2	0.238	0005631600
Silicon Carbide	2 1/4	80	2	5	0.163	0005658800
Silicon Carbide	1	80	2 1/2	4-7/8	0.163	00056602NG
Silicon Carbide	1 1/4	80	2 1/2	4-7/8	0.238	00056603NG



ATB™ Heavy Duty Internal Deburring Brush

Features a higher filament count to efficiently tackle the toughest tasks. Flexible crimped nylon filaments with durable Silicon Carbide abrasive and a helical shape provide excellent part conformability.



Applications: Cross hole deburring, edge blending, edge radiusing, cam bores, crankcase bores, 2 stroke engines, valve bodies, pistons, cleaning threads, pipe IDs

Fill Material	Diameter	Grit Size	Face Width	Length	Stem Ø	Part No.
Silicon Carbide	1	80	2	4-7/8	1/4	0003665000
Silicon Carbide	1	120	2	4-7/8	1/4	0003665100
Silicon Carbide	1-1/4	80	2	4-7/8	1/4	0003665200
Silicon Carbide	1-1/2	120	2-1/2	6-1/4	3/8	0003665500
Silicon Carbide	1-3/4	80	3	6-1/4	3/8	0003665600
Silicon Carbide	2	80	3	6-1/4	3/8	0003665800
Silicon Carbide	2	120	3	6-1/4	3/8	0003665900
Silicon Carbide	2-1/4	80	3	6-1/4	3/8	0003666000
Silicon Carbide	2-1/4	120	3	6-1/4	3/8	0003666100
Silicon Carbide	2-1/2	80	5	7	3/8	0003665400
Silicon Carbide	2-1/2	80	3	6-1/4	3/8	0003666200
Silicon Carbide	3	80	3	9	1/2	0003666400
Silicon Carbide	3	120	3	9	1/2	0003666500
Silicon Carbide	3-1/2	80	3	9	1/2	0003666600
Silicon Carbide	4	80	9	9	1/2	0003666800
Silicon Carbide	4	120	4	9	1/2	0003666900
Silicon Carbide	4-1/4	120	4	6-1/4	3/8	0003637700
Silicon Carbide	4-1/2	120	4	13	3/8	0003642600

ATB™ Rectangular Filament Internal Brush

Features rectangular nylon strips impregnated with tough Aluminum Oxide, providing a highly efficient side-sweeping action across the surface ensuring a superior finish and prolonged brush life.



Applications: Deburring and ID work on cylinders, camshaft bores, and valve bodies

Fill Material	Diameter	Grit Size	Face Width	Length	Stem Ø	Part No.
Aluminum Oxide	1	120	7/8	3-5/8	1/8	0003630200
Aluminum Oxide	1	320	7/8	3-5/8	1/8	0003630300
Aluminum Oxide	1-1/2	120	2	4-7/8	1/4	0003630400
Aluminum Oxide	2-1/2	120	3-1/2	6-1/2	3/8	0003630800
Aluminum Oxide	3	120	4	6-1/4	3/8	0003631000
Aluminum Oxide	3	320	4	6-1/4	3/8	0003631100
Aluminum Oxide	3-1/2	120	4	6-5/8	3/8	0003631200 (a)
Aluminum Oxide	3-1/2	120	4	6-5/8	3/8	0003635800 (b)
Aluminum Oxide	4	120	4	6-3/4	3/8	0003631400
Aluminum Oxide	4	320	4	6-3/4	3/8	0003631500
Aluminum Oxide	4-1/2	120	4	6-1/2	3/8	0003636200 (a)
Aluminum Oxide	4-1/2	120	4	6-1/2	3/8	0003631600 (b)
Aluminum Oxide	4-1/2	320	4	6-1/2	3/8	0003631700
Aluminum Oxide	5	120	5	9-3/4	3/8	0003636400
Aluminum Oxide	5-1/2	120	5	10	3/8	0003636600
Aluminum Oxide	7	120	6	9-1/4	3/8	0003637000
Aluminum Oxide	7	320	6	9-1/4	3/8	0003637100
Aluminum Oxide	3-1/2	320	4	6-5/8	3/8	0003631300
Silicon Carbide	1	320	2	3-5/8	1/4	0003639400
Silicon Carbide	1-1/4	120	3	6-1/4	3/8	0003637600
Silicon Carbide	1-1/2	320	2-1/2	4-7/8	3/8	0003639600
Silicon Carbide	2-1/4	320	3	6-1/2	3/8	0003639900
Silicon Carbide	2-1/2	320	3	6-1/2	3/8	0003640000
Silicon Carbide	4-1/2	120	4	13	3/8	0003642600

(a) light duty (b) heavy duty

Did you know that rectangular filament shape applies approximately 18 times more abrasive contact than traditional round filaments.

ATB™ Microabrasive Internal Brush



Premium high-performance nylon filaments with choice of embedded abrasives offer ultra-fine deburring and cleaning of holes produced by micro drilling. Designed for uniform brushing action that will not alter the hole diameter or surface finish. Can be used manually or with power tools. Constructed for longevity and use on applications requiring absolute precision.

Applications: Aircraft & aerospace, computer & electronics, medical equipment, hydraulic fittings

For better results brush selected should be ~0.015 inches larger than hole.

Fill Material	Diameter	Grit Size	Face Width	Length	Stem Ø	Part No.
Silicon Carbide	0.050	500	1/2	4	0.023	0005640400
Silicon Carbide	0.075	500	3/4	4	0.035	0005640700
Silicon Carbide	0.09	320	3/4	4-3/4	0.043	0005607300
Silicon Carbide	0.09	500	3/4	4	0.043	0005641000
Silicon Carbide	0.105	320	1	4	0.046	0005607400
Silicon Carbide	0.105	500	1	4	0.046	0005641400
Silicon Carbide	0.125	320	1	4	0.067	0005607500
Silicon Carbide	0.125	500	1	4	0.067	0005641700
Silicon Carbide	0.135	320	1	4	0.067	0005607600
Silicon Carbide	0.135	500	1	4	0.067	0005641900
Silicon Carbide	0.165	320	1	5	0.093	0005607700
Silicon Carbide	0.165	500	1	5	0.093	0005642600
Silicon Carbide	0.190	320	1	5	0.093	0005607800
Silicon Carbide	0.190	500	1	5	0.084	00056428NG
Silicon Carbide	0.260	320	1	5	0.121	0005607900
Silicon Carbide	0.260	500	1	5	0.121	0005643000
Silicon Carbide	0.325	320	1	5	0.121	0005608000
Silicon Carbide	0.325	500	1	5	0.121	0005643300
Silicon Carbide	0.385	320	1	5	0.154	0005608100
Silicon Carbide	0.385	500	1	5	0.154	0005643700
Silicon Carbide	0.515	320	1	5	0.175	0005608200
Silicon Carbide	0.515	500	1	5	0.175	0005643900
Silicon Carbide	0.640	320	1	5	0.175	0005608300
Silicon Carbide	0.640	500	1	5	0.175	0005644200
Silicon Carbide	0.765	320	1	5	0.228	0005608400
Silicon Carbide	0.765	500	1	5	0.228	0005644600
Silicon Carbide	0.765	320	1	2	0.163	0005664000
Silicon Carbide	0.890	320	1	5	0.228	0005608500
Silicon Carbide	0.890	500	1	5	0.228	0005644800
Silicon Carbide	1.015	320	1	5	0.255	0005608600
Aluminum Oxide	0.165	600	1	5	0.093	0005642500
Aluminum Oxide	0.190	600	1	5	0.093	0005642700
Aluminum Oxide	0.216	600	1	5	0.110	0005616600
Aluminum Oxide	0.260	600	1	5	0.110	00056429NG
Aluminum Oxide	0.260	600	1	6	0.110	0005644000
Aluminum Oxide	0.325	600	1	5	0.121	0005643200
Aluminum Oxide	0.325	600	1	5	0.110	00056526NG
Aluminum Oxide	0.385	600	1	5	0.154	0005643500
Aluminum Oxide	0.515	600	1	5	0.175	0005643800
Aluminum Oxide	0.640	600	1	5	0.175	0005644100
Aluminum Oxide	0.765	600	1	5	0.228	0005644400
Aluminum Oxide	0.890	600	1	5	0.228	0005644700
Aluminum Oxide	1.015	600	1	5	0.255	0005645000
Alumina Silicate	0.030	1000	1/2	4	0.014	0005640000
Alumina Silicate	0.050	1000	1/2	4	0.023	0005640300
Alumina Silicate	0.075	1000	3/4	4	0.035	0005640600
Alumina Silicate	0.09	1000	3/4	4	0.043	0005640900
Alumina Silicate	0.105	1000	1	4	0.046	0005641200
Alumina Silicate	0.125	1000	1	4	0.067	0005641500
Alumina Silicate	0.135	1000	1	4	0.067	0005641800

