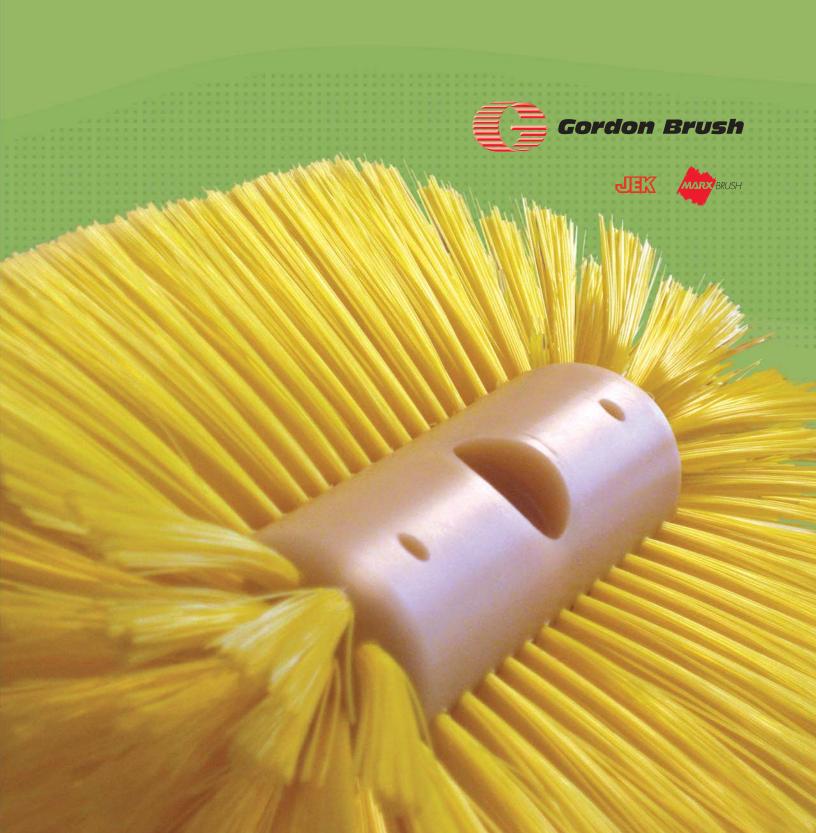
## BIGGER, BETTER BRUSH IDEAS





### CONTENTS

ESD Brush information	
Brush Terminology	
Brush Fill Material	2
How Brushes Are Measured	3
Hand-Held Brushes	.4-9, 11-13
Block Brushes	10
Applicator/Acid Brushes	14-15
Artist/Detail Brushes	
Flow-Thru Brushes	
Specialty Brushes	
Strip Brushes	22-23
Micro Spiral Brushes	24
Spiral Brushes	25-30
Bore Brushes	31
Janitorial Handles	
Janitorial Brooms	33
Janitorial Squeegees	34
Janitorial Upright Brooms, Deck Scrubs, and Utility Brushes	35
Janitorial Wash Brushes, Hygienic Brushes, Bowl Brushes, and Spong	ge Mops36
Janitorial eMOP, Microfiber Pads, Lobby Brooms, and Dustpans	
JEK Brushes—Abrasives, Buffs and Pumice	38-39
Index	40-41



Gordon Brush is located in a state-of-the-art facility in the metropolitan area of Los Angeles, California.

VISIT OUR WEB SITE AT: www.gordonbrush.com for more technical information in the engineering corner.

Go on-line for custom brush design sheets or call customer service at 323-724-7777 to have a design sheet faxed to you.

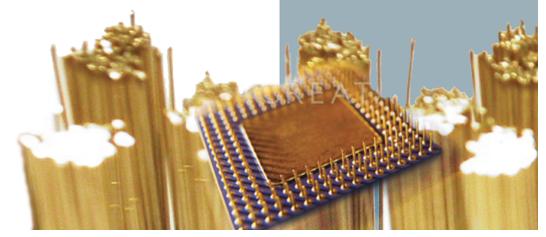
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### **ESD BRUSHES**

Static is a fairly simple but often misunderstood event. Briefly stated, a static charge is generated through friction, pressure, or separation of two dissimilar materials. This process is called the Triboelectric Effect (tribo means rubbing). Static electricity causes problems on many different surfaces, including, but not limited to, attracting and holding unwanted contaminants and other dissimilarly charged parts.

Electrostatic Discharge (ESD) is defined as the transfer of charges between materials at different electrical potentials. Problems caused by ESD range from destroying or degrading semiconductor devices to upsetting the operation of electronic systems and causing equipment failure.

### **ESD SYMBOLS**

The following symbols are used in this catalog to indicate when a particular brush is recommended based on its specific ESD properties:

◆ Anti-Static ▲ Static Dissipative ● Conductive

### **HOW ESD BRUSHES ARE CLASSIFIED**

The most critical aspects of a brush are the fiber and the core or handle material. Surface resistivity is a mathematical representation of a material's ability to resist the passage of electricity across its surface. The range of surface resistivity (in Ohms) is as follows:

 $10^2 - 10^4$  Conductive Materials\*  $10^5 - 10^{11}$  Dissipative Materials\* (see below) Anti-Static

10<sup>12</sup> – 10<sup>16</sup> Insulative Materials

\* **Ohm's Law:** E = I x R, or voltage equals current times resistance. Conductive materials have a near "0" value for R. Static dissipative materials have a very large R value.

This is important because I = E/R. A large static charge, when grounded, results in a very large current flow in the absence of an equally large resistance.

### **Conductive Brushes**

Conductive brushes are made with materials that have a low electrical resistance, and generally have a surface resistivity range of  $10^2$  –  $10^4$ . These brushes will easily and uniformly accept a charge and when attached to a grounding point, will provide a very rapid transfer to ground. This rapid transfer could be harmful to some electrical components.

### **Dissipative Brushes**

Dissipative brushes are made with materials that have a surface resistivity of  $10^{\rm s}$  –  $10^{\rm 11}$ , a higher resistivity than conductive brushes, but sufficiently conductive to permit controlled current flow. These brushes are excellent tools for removing static electricity, frequent use of dissipative brushes will keep electrostatic charges from building and will provide a slower, more controlled transfer to ground than a conductive brush. They are the only brushes recommended for use with Class 1 components.

### **Anti-Static Brushes**

Anti-Static (static charge inhibitor) brushes are made from low charging and/or natural materials that are near neutral on the triboelectric chart. These brushes remain neutral because they neither give nor take electrons. However, there can be a slight

charge created. Therefore, in extremely sensitive applications, these brushes should only be used in a liquid environment. Only conductive or dissipative brushes should be used in an extremely sensitive, dry environment.

### **Insulative Brushes**

Insulative brushes are made of materials that prevent the flow of electrons, and generally have a surface resistivity of  $10^{12}$ –  $10^{16}$ . Any charge generated on the brush will remain there for an extended period of time. Insulative brushes are a less expensive alternative to anti–static brushes. They are best used in an environment where static is not critical or where the brush is submerged in a liquid when in use. Most brushes are made with non–conductive material and are insulative.

**Please Note:** If the mounting location is not grounded, then a grounding strap or wire incorporating a 1 Mega Ohm resistor should be used between the brush and an electrical ground. Potentially severe bodily harm may result from the use of a conductive brush if a resistor is not used.

### **BRUSH TERMINOLOGY**

### Fill Material Size

The thickness of a single piece of wire or filament, measured in inches. Smaller diameter fill material is softer than the same fill material in a larger diameter.

### Trim or Trim Length

The length of the fill material. Shorter fill material is stiffer than the same fill material in a longer trim length.

### **Level Fill Material**

The filament or wire is straight.

### **Crimped Fill Material**

Each strand of filament or wire is wavy, which produces a brush that is denser in appearance and provides a continuous, more even brushing action.

### **BRUSH FILL MATERIAL**

### **Animal Hair**

**Camel Hair:** Not from a camel, but a generic term used for many types of an economically priced soft hair that is commonly used for artist brushes.

**Goat Hair:** A very fine, soft hair that is excellent for fine polishing and cleaning.

**Hog Bristle:** Strong and fairly stiff, with a natural taper and a split end. It has great resilience with excellent durability and water resistance. Heat tolerant to 370°F.

**Horse Hair:** A durable hair that is soft to slightly stiff, used for scratch–free dry brushing and polishing. Not resistant to acids or alkalis. Heat tolerant to 370°F.

**Ox Hair:** The stiffest of soft animal hair, it is economical and often mixed with other fibers.

**Pony Hair:** A straight, soft hair without a fine point, it ranges in color from light to dark brown.

**Red Sable:** The most prized hair used in artist brushes has special qualities that include the ability to come to a needle-fine point and retain full elasticity. Pure Red Sable is even finer, and Kolinsky Sable is the finest.

### **Synthetic Filament**

**Nylon:** Extremely resilient, durable, and resistant to high heat and abrasion. Impervious to solvents, alkalis, most acids and common chemicals. Resistant to bacteria and mold, and heat tolerant to 250°F. 6.12 Nylon is FDA approved.

**Abrasive Nylon:** Nylon bristles uniformly impregnated with an abrasive, such as aluminum oxide or silicon carbide. Sides of filament act as flexible files to reach surfaces where wire bristles might not be effective. Suitable for wet or dry deburring and finishing.

**Static Dissipative Nylon:** A type 6.12 Nylon with a surface resistivity of  $10^9$  that does not shed or slough and is cleanroom compatible.

**PEEK:** Polyetheretherketone, a polymer, is extremely resistant to chemicals and can withstand heat up to 480°F.

**Polyester:** Has many of the properties of Nylon, but will not mat or lose its stiffness when wet. In smaller diameters it has the appearance and feel of horse hair.

**Polyethylene:** A very flexible plastic that is ideal for applications that need soft wiping instead of brushing.

**Polypropylene:** A versatile plastic that stays stiff when wet. Inert to most solvents, oils, acids and chemicals. Heat tolerant to 225°F.

**Statigo9:** A static dissipative Nylon that is thick enough to do mechanical work, does not shed or slough, and is cleanroom compatible.

**Taklon:** A very fine Nylon filament that is shaped like a natural hair. Very versatile and durable, it is most commonly used for artist and cosmetic brushes.

**Thunderon®:** A fine (.0015" diameter) acrylic fiber that has been chemically bonded with a layer of copper sulfide. It is conductive and can also be mixed with other fibers to add stiffness without diminishing its effectiveness.

### **Metal Wire**

**Aluminum:** Soft and non-corrosive. Bends easily and takes a set. Recommended for special applications only.

**Brass:** Soft, flexible metal that is recommended for applications on soft metal surfaces.

**Carbon Steel:** Widely used fill material that has excellent cutting ability and fatigue resistance at a low cost.

**Phosphor Bronze:** Non-sparking, stronger and longer lasting than brass. Resists corrosion and fatigue.

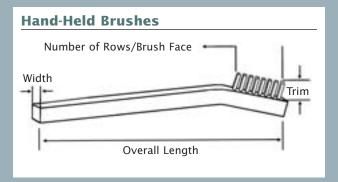
**Stainless Steel:** Resistant to heat, rust and corrosion. Excellent for wet or dry applications. Stainless steel brush wire is also magnetic.

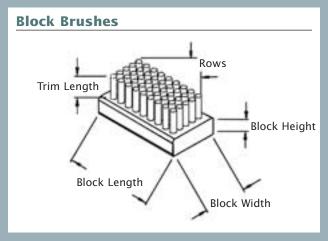
**Titanium:** Very strong and about half the weight of steel. Excellent resistance to corrosion, chlorides, saltwater and acids, and is essentially non-magnetic. It is ideal for use on titanium parts where galvanic corrosion is unacceptable.

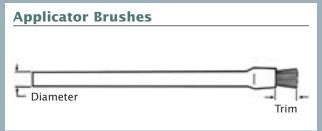
### **Vegetable Fiber**

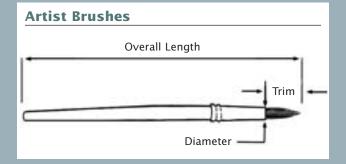
**Tampico:** A durable, porous fiber from the Mexican agave plant that is heat, alkali and acid resistant. Works well for wet or dry applications. Tampico is anti-static and heat tolerant up to 280°F.

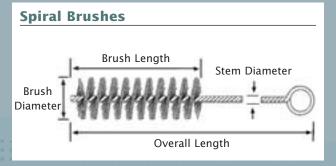
### **HOW BRUSHES ARE MEASURED**













### 2 Row Plywood Handle Brushes

Laminated plywood handle, bent for knuckle protection, and filled with thick tufts in a 2 x 9 row configuration. Slightly larger and heavier duty than our basic "toothbrush-style" 30 series below.

Part #	Fill Material	Trim	Rows	Handle (L x W)
◆ 18A	.008 Aluminum	5/8"	2 x 9	8-1/4" x 1/2"
♦ 18B	.006 Brass	5/8"	2 x 9	8-1/4" x 1/2"
◆ 18B-012	.012 Brass	5/8"	2 x 9	8-1/4" x 1/2"
18N	.018 Nylon	5/8"	2 x 9	8-1/4" x 1/2"
◆ 18SS	.006 Stainless	5/8"	2 x 9	8-1/4" x 1/2"

### **3 Row Plywood Handle Brushes**

Our 30 series is our most popular all-purpose "toothbrush-style," bent for knuckle protection. This standard tool is the basic brush for every tool kit.



Part #	Fill Material	Trim	Rows	Handle (L x W)
◆ 30B	.006 Brass	7/16"	3 x 7	7-3/4" x 7/16"
♦ 30CK	Hog bristle	7/16"	3 x 7	7-3/4" x 7/16"
◆ 30HH	Horse hair	7/16"	3 x 7	7-3/4" x 7/16"
30N	.018 Nylon	7/16"	3 x 7	7-3/4" x 7/16"
30N-012	.012 Nylon	7/16"	3 x 7	7-3/4" x 7/16"
◆ 30PB	.006 Phosphor bronze	7/16"	3 x 7	7-3/4" x 7/16"
♦ 30SS	.006 Stainless	7/16"	3 x 7	7-3/4" x 7/16"
30T	Tampico	7/16"	3 x 7	7-3/4" x 7/16"
30KIT	3 Brush Set: (1) 30B, (1) 3	ON, (1) 30SS		

### **4 Row Plywood Handle Brushes**

A popular larger brush with a strong plywood handle and a fill material for any surface. Works well for cleaning or roughing.



Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ 36B	.008 Brass	3/4"	4 x 9	8-1/4" x 1-1/16"
♦ 36CK	Hog bristle	3/4"	4 x 9	8-1/4" x 1-1/16"
◆ 36HH	Horse hair	3/4"	4 x 9	8-1/4" x 1-1/16"
36N	.018 Nylon	3/4"	4 x 9	8-1/4" x 1-1/16"
<b>♦</b> 36SS	.008 Stainless	3/4"	4 x 9	8-1/4" x 1-1/16"

### **5 Row Plywood Handle Brushes**

Large hand-held brush with a plywood handle that is shaped for an easier grip. Wider brush face is great for roughing and/or washing large surfaces.



Part #	Fill Material	Trim	Rows	Handle (L x W)
◆ 28AL	.008 Aluminum	3/4"	5 x 9	8-1/2" x 1-3/8"
◆ 28B	.006 Brass	3/4"	5 x 9	8-1/2" x 1-3/8"
◆ 28CK	Hog bristle	3/4"	5 x 9	8-1/2" x 1-3/8"
◆ 28HH	Horse hair	3/4"	5 x 9	8-1/2" x 1-3/8"
28N	.018 Nylon	3/4"	5 x 9	8-1/2" x 1-3/8"
◆ 28SS	.006 Stainless	3/4"	5 x 9	8-1/2" x 1-3/8"

### **Plastic Handle Brushes**

Plastic "toothbrush-style" handle, designed with hand grips, and bent to allow knuckle room and prevent hand scraping. Standard handle color is black. Also available with a red, white or blue handle with Nylon fill.

Part #	Fill Material	Trim	Rows	Handle (L x W)
21B	.006 Brass	7/16"	3 x 7	7-3/16" x 7/16"
21CS	.006 Carbon steel	7/16"	3 x 7	7-3/16" x 7/16"
21HH	Horse hair	7/16"	3 x 7	7-3/16" x 7/16"
21N	.012 Nylon	7/16"	3 x 7	7-3/16" x 7/16"
21N-016	.016 Nylon	7/16"	3 x 7	7-3/16" x 7/16"
21N-020	.020 Nylon	7/16"	3 x 7	7-3/16" x 7/16"
21PB	.006 Phosphor bronze	7/16"	3 x 7	7-3/16" x 7/16"
21SS	.006 Stainless	7/16"	3 x 7	7-3/16" x 7/16"
21N-020W-BLU	.020 Nylon with blue handle	7/16"	3 x 7	7-3/16" x 7/16"
21N-020W-RED	.020 Nylon with red handle	7/16"	3 x 7	7-3/16" x 7/16"
21N-020W-WHT	.020 Nylon with white handle	7/16"	3 x 7	7-3/16" x 7/16"
21KIT	3 Brush Set: (1) 21B, (1) 21N	I-016, (1)	21SS	



### **Plastic Handle Long Trim Brushes**

Same "toothbrush-style" as above, but with a longer 1" trim for softer brushing action. Recommended for gentle dusting and cleaning.

Part #	Fill Material	Trim	Rows	Handle (L x W)
21HHLT	Horse hair	1"	3 x 7	7-3/16" x 7/16"
21NLT	.008 Nvlon	1"	3 x 7	7-3/16" x 7/16"



### **Plastic Handle Double-Headed Brushes**

Double-headed "toothbrush-style" brush has a black plastic handle with hand grips and a different fill material on each side.

Part #	Fill Material	Trim	Rows	Handle (L x W)
321BN	.008 Brass/.018 Nylon	1/2"	3 x 7	7-1/16" x 1/2"
321PBN	.008 Phosphor bronze/	1/2"	3 x 7	7-1/16" x 1/2"
	.018 Nylon			
321SSN	.006 Stainless / .018 Nylon	1/2"	3 x 7	7-1/16" x 1/2"



### **Plastic Handle Double-Headed Brushes**

Black plastic handle with 2 brush faces on a triangular head, specifically designed for ample knuckle clearance. Overall brush is 7-1/4" long and 2-1/8" wide at the head. Each brush face is 1-3/8" x 5/16".

.006 Brass/.016 Nylon .006 Brass/.006 Phosphor bronze
.006 Brass/.006 Phosphor bronze
Hog bristle/Horse hair
.012 Nylon/.016 Nylon
.006 Phosphor bronze/.016 Nylon
.006 Stainless steel/.006 Brass
.006 Stainless steel/.016 Nylon
.006 Stainless steel/.006 Stainless steel



### **Plastic Handle All-Purpose Brush**

"Toothbrush-style" with a 7" handle that tapers from 7/16" to 3/16", with a brush on each end. Used for cleaning small parts and guns.

Part #	Fill Material	Trim	Rows
200399	End A: .012 Nylon	7/16" (With notch)	3 x 12
	End B: .010 Nylon	1/4" (Tapered)	1 x 7





### **Hand-Laced Brushes**

Hand-laced brushes are the premium brushes of the industry. Each fiber tuft is tied into position by hand, resulting in a superior quality brush with heavy density and maximum fiber retention.



Aluminum handle "toothbrush-style" scratch brush with 1, 2, or 3 rows of bristles, hand tied into the handle for maximum bristle retention.

Part #	Fill Material	Trim	Rows	Handle (L x W)
● 11BA	.003 Brass	7/16"	1 x 11	6-7/16" x 1/8"
● 22BA	.003 Brass	7/16"	2 x 11	6-7/16" x 1/4"
<ul><li>33BA</li></ul>	.003 Brass	7/16"	3 x 11	6-7/16" x 3/8"
♦ 11CKA	Hog bristle	7/16"	1 x 11	6-7/16" x 1/8"
◆ 22CKA	Hog bristle	7/16"	2 x 11	6-7/16" x 1/4"
◆ 33CKA	Hog bristle	7/16"	3 x 11	6-7/16" x 3/8"
◆ 11HHA	Horse hair	7/16"	1 x 11	6-7/16" x 1/8"
◆ 22HHA	Horse hair	7/16"	2 x 11	6-7/16" x 1/4"
◆ 33HHA	Horse hair	7/16"	3 x 11	6-7/16" x 3/8"
11NA	.012 Nylon	7/16"	1 x 11	6-7/16" x 1/8"
22NA	.012 Nylon	7/16"	2 x 11	6-7/16" x 1/4"
33NA	.012 Nylon	7/16"	3 x 11	6-7/16" x 3/8"
11PA	.006 PEEK	7/16"	1 x 11	6-7/16" x 1/8"
22PA	.006 PEEK	7/16"	2 x 11	6-7/16" x 1/4"
33PA	.006 PEEK	7/16"	3 x 11	6-7/16" x 3/8"
▲ 11SDA	.016 S.D. Nylon**	7/16"	1 x 11	6-7/16" x 1/8"
▲ 22SDA	.016 S.D. Nylon**	7/16"	2 x 11	6-7/16" x 1/4"
▲33SDA	.016 S.D. Nylon**	7/16"	3 x 11	6-7/16" x 3/8"
<ul><li>11SSA</li></ul>	.003 Stainless	7/16"	1 x 11	6-7/16" x 1/8"
<ul><li>22SSA</li></ul>	.003 Stainless	7/16"	2 x 11	6-7/16" x 1/4"
<ul><li>33SSA</li></ul>	.003 Stainless	7/16"	3 x 11	6-7/16" x 3/8"
▲ 11S9A	.010 Statigo9	7/16"	1 x 11	6-7/16" x 1/8"
▲ 22S9A	.010 Statigo9	7/16"	2 x 11	6-7/16" x 1/4"
▲33S9A	.010 Statigo9	7/16"	3 x 11	6-7/16" x 3/8"
• 11TIA	.008 Titanium	7/16"	1 x 11	6-7/16" x 1/8"
<ul><li>22TIA</li></ul>	.008 Titanium	7/16"	2 x 11	6-7/16" x 1/4"
<ul><li>33TIA</li></ul>	.008 Titanium	7/16"	3 x 11	6-7/16" x 3/8"

### Dense stiff tufts for applications requiring firm action:

• 11AL316SS .006 Stainless	7/16"	1 x 11	7-3/4" x 3/16"
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<sup>\*\*</sup> Static Dissipative Nylon

### **Delrin<sup>®</sup> Handle Hand-Laced Brushes**

1, 2, or 3 rows hand tied into a Delrin® or static dissipative acetal handle. Autoclavable for cleanroom or sterile applications. Meets FDA 21 CPR-177, 2480 and ASTM D-6100 standards.



<sup>\*</sup> Static Dissipative Acetal Handle

<sup>\*\*</sup>Static Dissipative Nylon



### **Plywood Handle Hand-Laced Brushes**

"Toothbrush-style" plywood handle. Fill material hand tied with stainless steel wire, remains secure even in wet environments when wood handle expands and contracts. Greater density than staple set brushes.

Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ 15A	.008 Aluminum	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11BP	.006 Brass	7/16"	1 x 10	7-3/4" x 1/4"
<b>♦</b> 14B	.006 Brass	7/16"	2 x 8	7-3/4" x 3/8"
♦ 15B	.006 Brass	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11BP-003	.003 Brass	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14B-003	.003 Brass	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15B-003	.003 Brass	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11CKP	Hog bristle	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14CK	Hog bristle	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15CK	Hog bristle	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11HHP	Horse hair	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14HH	Horse hair	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15HH	Horse hair	7/16"	3 x 7	7-3/4" x 7/16"
11NP	.012 Nylon	7/16"	1 x 10	7-3/4" x 1/4"
14N	.012 Nylon	7/16"	2 x 8	7-3/4" x 3/8"
15N	.018 Nylon	7/16"	3 x 7	7-3/4" x 7/16"
15P	.006 PEEK	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11PBP	.006 Phosphor bronze	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14PB	.006 Phosphor bronze	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15PB	.006 Phosphor bronze	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11SSP	.006 Stainless	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14SS	.006 Stainless	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15SS	.006 Stainless	7/16"	3 x 7	7-3/4" x 7/16"
◆ 11SSP-003	.003 Stainless	7/16"	1 x 10	7-3/4" x 1/4"
◆ 14SS-003	.003 Stainless	7/16"	2 x 8	7-3/4" x 3/8"
◆ 15SS-003	.003 Stainless	7/16"	3 x 7	7-3/4" x 7/16"



### **Long Handle Hand-Laced Brushes**

Same width and trim length as the 15 series (above), but with an extra long 14" handle for a longer reach.

Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ 15BL	.006 Brass	7/16"	3 x 7	14" x 7/16"
♦ 15BL-003	.003 Brass	7/16"	3 x 7	14" x 7/16"
♦ 15CKL	Hog bristle	7/16"	3 x 7	14" x 7/16"
♦ 15HHL	Horse hair	7/16"	3 x 7	14" x 7/16"
15NL	.018 Nylon	7/16"	3 x 7	14" x 7/16"
♦ 15PBL	.006 Phosphor bronze	7/16"	3 x 7	14" x 7/16"
♦ 15SSL	.006 Stainless	7/16"	3 x 7	14" x 7/16"
◆ 15SSL-003	.003 Stainless	7/16"	3 x 7	14" x 7/16"

### 60° Angle Hand-Laced Brushes

Laminated plywood handle bent at a 60° angle, designed to facilitate cleaning at unusual angles and hard to reach places.

Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ 60B	.006 Brass	7/16"	3 x 7	7-3/4" x 7/16"
◆ 60CK	Hog bristle	7/16"	3 x 7	7-3/4" x 7/16"
◆ 60HH	Horse hair	7/16"	3 x 7	7-3/4" x 7/16"
♦ 60SS	.006 Stainless	7/16"	3 x 7	7-3/4" x 7/16"

### **Heavy Duty Hand-Laced Brushes**

Filament is hand tied with stainless wire into a heavy-duty plywood handle for maximum fiber retention. Brush face for 46 Series is 1-5/8" x 7/8". 81 Series has a longer 2-11/16" x 13/16" brush face.

Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ 46B	.006 Brass	3/4"	7 x 7	8-1/2" x 1"
◆ 46CK	Hog bristle	3/4"	7 x 7	8-1/2" x 1"
◆ 46HH	Horse hair	3/4"	7 x 7	8-1/2" x 1"
◆ 46SS	.006 Stainless	3/4"	7 x 7	8-1/2" x 1"
♦ 81SS	.006 Stainless	3/4"	7 x 11	8-1/2" x 1"







Heavy duty brush has a scraper attached to a flat wood handle for cleaning paint, rust and dirt off welds and castings.

Part#	Fill Material	Trim	Rows	Handle (L x W)	
484CSC	.014 Carbon steel	1-1/2"	4 x 11	11" x 1-1/2"	

### **Shoe Handle Scratch Brushes**

Solid hardwood shoe handle, contoured for a comfortable grip, filled with durable metal for cleaning abrasion-resistant materials.

Part#	Fill Material	Trim	Rows	Handle (L x W)
444B	.012 Brass	1-1/8"	4 x 16	10" x 1"
441CS	.013 Carbon steel	1-1/8"	1 x 17	10-3/16" x 3/8"
442CS	.013 Carbon steel	1-3/16"	2 x 17	10-1/4" x 3/4"
443CS	.013 Carbon steel	1-1/8"	3 x 16	10" x 1"
444CS	.013 Carbon steel	1-1/8"	4 x 16	10" x 1"
444PB	.012 Phosphor bronze	1-1/8"	4 x 16	10" x 1"
441SS	.012 Stainless	1-1/8"	1 x 17	10-3/16" x 3/8"
441SS-3/4	.012 Stainless	3/4"	1 x 17	10-3/16" x 3/8"
442SS	.012 Stainless	1-3/16"	2 x 17	10-1/4" x 3/4"
443SS	.012 Stainless	1-1/8"	3 x 16	10" x 1"
444SS	.012 Stainless	1-1/8"	4 x 16	10" x 1"
<b>Economy Brus</b>	hes: Less wire fill for a mo	re economica	l price:	
444CSE	.013 Carbon steel	1-1/8"	4 x 16	10" x 1"
444SSE	.012 Stainless	1-1/8"	4 x 16	10" x 1"
Shoe Handle v	vith Scraper:			
444CSC	.013 Carbon steel	1-1/8"	4 x 16	10" x 1"
Contoured Pla	stic Shoe Handle:			
444CSP	.013 Carbon steel	1-1/8"	4 x 16	10" x 1"
444SSP	.012 Stainless	1-1/8"	4 x 16	10" x 1"

### **Long Handle Scratch Brushes**

Long, slightly curved hardwood or plastic handle with 2, 3, or 4 rows, densely filled with even trim for uniform cleaning.



Part #	Fill Material	Trim	Rows	Handle (L x W)
403B	.012 Brass	1-1/8"	3 x 19	13-3/4" x 15/16"
414B	.012 Brass	1-1/8"	4 x 19	13-3/4" x 1-1/8"
402CS	.013 Carbon steel	1-1/8"	2 x 18	13-3/4" x 11/16"
900146	.013 Carbon steel	1-1/8"	3 x 11	13-3/4" x 15/16"
403CS	.013 Carbon steel	1-1/8"	3 x 19	13-3/4" x 15/16"
414CS	.013 Carbon steel	1-1/8"	4 x 19	13-3/4" x 1-1/8"
403PB	.012 Phosphor bronze	1-1/8"	3 x 19	13-3/4" x 15/16"
414PB	.012 Phosphor bronze	1-1/8"	4 x 19	13-3/4" x 1-1/8"
403SS	.012 Stainless	1-1/8"	3 x 19	13-3/4" x 15/16"
414SS	.012 Stainless	1-1/8"	4 x 19	13-3/4" x 1-1/8"
Economy Bru	shes: Less wire fill for a mo	re economic	al price:	
403CSE	.013 Carbon steel	1-1/8"	3 x 19	13-3/4" x 15/16"
414CSE	.013 Carbon steel	1-1/8"	4 x 19	13-3/4" x 1-1/8"
403SSE	.012 Stainless	1-1/8"	3 x 19	13-3/4" x 15/16"
414SSE	.012 Stainless	1-1/8"	4 x 19	13-3/4" x 1-1/8"
Long Handle	Brushes with Scrapers:			
403CSC	.013 Carbon steel	1-1/8"	3 x 19	13-3/4" x 1-1/8"
414CSC	.013 Carbon steel	1-1/8"	4 x 19	13-3/4" x 1-1/8"
Curved Plast	ic Handle Brushes:			
403CSP	.013 Carbon steel	1-1/8"	3 x 19	13-3/4" x 7/8"
414SSP	.012 Stainless	1-1/8"	4 x 19	13-3/4" x 1-1/8"

### **Shoe Handle Platers' Brushes**

Platers' brushes made with fine fill material are recommended for use on plated parts and for fine metal finishing. Hardwood shoe handle is contoured for a comfortable grip.

Part #	Fill Material	Trim	Rows	Handle (L x W)
443B006	.006 Brass	1-1/8"	3 x 16	10" x 1"
444B006	.006 Brass	1-1/8"	4 x 16	10" x 1"
443CS006	.006 Carbon steel	1-1/8"	3 x 16	10" x 1"
444CS006	.006 Carbon steel	1-1/8"	4 x 16	10" x 1"
444N	.018 Nylon	1"	4 x 16	10" x 1"
444SS-006	.006 Stainless	1-1/8"	4 x 16	10" x 1"
444T	Tampico	1"	4 x 16	10" x 1"

### Platers' Brushes

Platers' brushes are designed for hand brushing, plating and fine metal finishing. The fill materials are softer than those used in scratch brushes. Refer to the Material Guide on page 2 for information and characteristics on each fill material.

### **Long Handle Platers' Brushes**

Long, slightly curved hardwood handle with 2, 3, or 4 rows, densely filled, for uniform cleaning and polishing.

Part #	Fill Material	Trim	Rows	Handle (L x W)
403B-006	.006 Brass	1-1/8"	3 x 19	13-3/4" x 15/16"
414B006	.006 Brass	1-1/8"	4 x 19	13-3/4" x 1-1/8"
403CK	Hog bristle	1"	3 x 19	13-3/4" x 15/16"
403CK-LT	Hog bristle	1-7/8"	3 x 19	13-3/4" x 15/16"
414CK	Hog bristle	1"	4 x 19	13-3/4" x 1-1/8"
403CS006	.006 Carbon steel	1-1/8"	3 x 19	13-3/4" x 15/16"
414CS006	.006 Carbon steel	1-1/8"	4 x 19	13-3/4" x 1-1/8"
403HH	Horse hair	1"	3 x 19	13-3/4" x 15/16"
414HH	Horse hair	1"	4 x 19	13-3/4" x 1-1/8"
403N	.018 Nylon	1"	3 x 19	13-3/4" x 15/16"
414N	.018 Nylon	1"	4 x 19	13-3/4" x 1-1/8"
414N-014	.014 Nylon	1"	4 x 19	13-3/4" x 1-1/8"
403SS-006	.006 Stainless	1-1/8"	3 x 19	13-3/4" x 15/16"
414SS-006	.006 Stainless	1-1/8"	4 x 19	13-3/4" x 1-1/8"
414T	Tampico	1"	4 x 18	12-7/8" x 1"
<b>Curved Plastic H</b>	andle:			
414PN	.018 Nylon	1"	4 x 18	13-3/4" x 1-1/8"

### **Narrow Long Handle Platers' Brushes**

299991 has a slightly curved plywood handle with a 4"  $\times$  1/4" brush part. 359994 has a straight hardwood handle with a 4-3/4"  $\times$  1/2" brush part. Both brushes work well for cleaning long, narrow areas.

Part #	Fill Material	Trim	Rows	Handle (L x W)
◆ 299991CK	Hog bristle	7/16"	3 x 20	7-3/4" x 7/16"
◆ 299991HH	Horse hair	7/16"	3 x 20	7-3/4" x 7/16"
<b>♦</b> 299991-5/16	Horse hair	5/16"	3 x 20	7-3/4" x 7/16"
<b>♦</b> 359994	Horse hair	3/4"	4 x 29	10-3/16" x 5/8"



### **Potash Hand-Tied Cotton Brush**

Extra soft swab brush made with heavy cotton yarn, hand sewn with Nylon thread into a wood handle. Brush part measures approximately 8" long by 4-1/2" wide. Great for polishing aluminum.

Part #	Fill Material	Handle (L x W)
900504	100% Cotton	12-7/8" x 1-1/4"















### **Small Block Brushes**

Small, hand-held block brushes, often called mushroom or vegetable brushes, essential for cleaning small items. Available with either plastic (#869903) or wood (#869904) block handles.

Part #	Fill Material	Trim	Rows	Block (L x W)
869903	.006 Crimped plyer*	5/8"	5 x 9	2-1/2" x 1-7/16"
869903N	.006 Crimped Nylon	5/8"	5 x 9	2-1/2" x 1-7/16"
869904	.006 Crimped plyer*	5/8"	5 x 9	2-1/2" x 1-3/8"
♦ 869904CK	Hog bristle	5/8"	5 x 9	2-1/2" x 1-3/8"
◆ 869904HH	Horse hair	5/8"	5 x 9	2-1/2" x 1-3/8"
◆ 900492CK**	Hog bristle	1/2"	6 x 9	3-1/2" x 2-1/4"
◆ 900492HH**	Horse hair	1/2"	6 x 9	3-1/2" x 2-1/4"

<sup>\*</sup> Plyer is a form of polyester \*\* Wood block and handle

### **Fine-Filament Block Brushes**

Small, easy-to-grip hardwood block brushes, traditionally used by professional printers and graphic artists. Also very effective for safely cleaning, polishing and deburring easily scratched surfaces.

Part #	Fill Material	Trim	Rows	Block (L x W)
♦ G1308*	Brass/Horse hair*	3/4"	10 x 16	2-1/2" x 4-1/4"
◆ G1308B	.005 Brass	3/4"	10 x 16	2-1/2" x 4-1/4"
◆ G1308HH	Horse hair	3/4"	10 x 16	2-1/2" x 4-1/4"
G1308N	.012 Nylon	3/4"	10 x 16	2-1/4" x 4-1/4"
♦ G1308SS	.005 Stainless	3/4"	10 x 16	2-1/2" x 4-1/4"

<sup>\*</sup> Horse hair border minimizes liquid spray from Brass.

### **Hand Scrub Block Brushes**

Medium-sized rectangular hardwood block with finger grip recess. Perfect size for scrubbing carpet spots and other small areas.

Part #	Fill Material	Trim	Rows	Block (L x W)
9162CK	Hog bristle	15/16"	8 x 16	4-1/2" x 1-3/4"
9162HH	Horse hair	15/16"	8 x 16	4-1/2" x 1-3/4"
9162N	.012 Nylon	15/16"	8 x 16	4-1/2" x 1-3/4"

### **Large Block Brushes**

Large industrial brushes with hardwood handles, densely filled. The shorter 1/4" trim length is stiffer, for tougher scrubbing ability. The metal filled brushes are very effective at cleaning and deburring metal parts, as well as removing residue, metal filings, paint and coatings.

Part #	Fill Material	Trim	Rows	Block (L x W)
426B	.012 Brass	1-3/4"	6 x 19	7-1/8" x 2-1/4"
♦ 426CK	Hog bristle	3/4"	6 x 19	7-1/8" x 2-1/4"
◆ 426CK-ST	Hog bristle	1/4"	6 x 19	7-1/8" x 2-1/4"
426CS	.014 Carbon steel	1-3/4"	6 x 19	7-1/8" x 2-1/4"
◆ 426HH	Horse hair	3/4"	6 x 19	7-1/8" x 2-1/4"
♦ 426HH-ST	Horse hair	1/4"	6 x 19	7-1/8" x 2-1/4"
426PB	.012 Phosphor bronze	1-3/4"	6 x 19	7-1/8" x 2-1/4"
426SS	.012 Stainless	1-3/4"	6 x 19	7-1/8" x 2-1/4"

### **Long Block Brushes (Lag Brushes)**

Designed to remove large, loose pieces from conveyor belts. Available in other sizes and fill materials upon request.

Part #	Fill Material	Trim	Rows	Block (L x W)
220-21	.018 Crimped polypropylene	3/4"	1 x 36	23" x 1"
220-9	.018 Crimped polypropylene	3/4"	1 x 47	30" x 1"
220-6	.018 Crimped polypropylene	3/4"	1 x 56	36" x 1"
220-5	.018 Crimped polypropylene	3/4"	1 x 76	48" x 1"
220-2	.018 Crimped polypropylene	3/4"	1 x 95	60" x 1"
220-4	.018 Crimped polypropylene	3/4"	1 x 101	64" x 1"

### **Rotary Pumice and Scrub Brushes**

A round brush that can be used with scrubbing machines or flexible shafts. 5" diameter, 1" thick plywood block, and a standard 1/2" recessed arbor hole. Also used extensively for cleaning printed circuit boards.

Part#	Fill Material	
500N	.014 Black level Nylon	
500R	.018 Black level Nylon (stiffer and denser)	

### **Plastic Handle Scrub Brushes**

Multi-purpose 6"  $\times$  2-1/2" scrub brush with a raised molded handle that provides an excellent grip, while keeping hands away from cleaning solutions. Highest quality Nylon bristles are durable, resistant to alkalis and most solvents and heat tolerant to 230°F.

Part #	Fill Material	Trim	Rows
906505	.022 Black Nylon	1"	6 x 16
Economy version	for light to medium scrul	bbing:	
905505	.013 Crimped polypropylen	ie 1"	7 x 13



### **Wood Handle Counter Dusters**

Fill material is staple set into a clear-lacquered hardwood handle, which has a hang-up hole. Brush face is approximately  $9" \times 1-3/4"$ .

Part #	Fill Material	Trim	Rows	Handle Length
Soft for fine	dusting:			
◆ CDHH	Horse hair	2-1/2"	5 x 15	13-1/2"
CDFP	Flagged plastic	2-1/2"	5 x 15	13-1/2"
Medium for g	jeneral all-purpose cleani	ng:		
◆ CDT	Black tampico	2"	5 x 15	13-1/2"
<b>◆</b> 7277	White tampico	2-1/4"	5 x 15	12-3/4"

Heavy duty mill duster: designed with no side flare and a heavily filled front end for aggressive dusting. Very popular for cleaning metal chips in machine shops:

CDHD Brown polypropylene 2" 5 x 15 13-1/2"



### **Plastic Handle Counter Dusters**

Manufactured with structural foam polypropylene brush blocks. Counter dusters have a full 9" brush head.

Part #	Fill Material	Trim	Rows	Handle Length	
Soft for fine dusting:					
M550030	Horse hair	3"	5 x 15	14"	
M550090	Flagged fiber	3"	5 x 15	14"	
Medium for general all-purpose cleaning:					
M550080	polypropylene	3"	5 x 15	14"	



### **T-Slot Brush**

Easy-grip angled handle with a T-shaped scraper. An excellent tool for cleaning chips and dirt out of T-slots on machine tables. Polypropylene fill material will not absorb cutting fluids.

Part #	Fill Material	Trim	Rows	Handle (L x W)
433PSC	.020 polypropylene	2"	3 x 11	8-7/8" x 7/8"



### **Long Handle Dusting (Radiator) Brush**

A long, narrow hardwood handle, filled with one row of tampico, has a flared tip to easily clean small crevices.

Part #	Fill Material	Trim	Rows	Handle (L x W)
900622	Tampico	2"	1 x 30	24" x 3/8"



### **Orange Stick Brushes**

Orange stick handle is chiseled on one end for small debris removal.

Natural fill material includes soft goat hair, medium horse hair and stiff hog bristle. A great tool to clean or lightly scrape tiny areas.

Part #	Fill Material	Trim	Handle (L x D)	
♦ WA7CK	Hog bristle	1/2"	7" x 3/16"	
♦ WA7G	Goat hair	1/2"	7" x 3/16"	
◆ WA7HH	Horse hair	1/2"	7" x 3/16"	



### **Small Upright Brushes**

Two different styles that work well for getting into areas that are tight or at an unusual angle. WA12 style is also known as a typewriter brush. The brush part on the WB10 series is angled 30°.

Part #	Fill Material	Trim	Rows	Handle (L x W)
♦ WA12B	.006 Brass	1/2"	2 x 6	4-15/16" x 1-1/16"
♦ WA12CK	Hog bristle	1/2"	2 x 6	4-15/16" x 1-1/16"
♦ WA12HH	Horse hair	1/2"	2 x 6	4-15/16" x 1-1/16"
WA12N	.012 Nylon	1/2"	2 x 6	4-15/16" x 1-1/16"
♦ WA12SS	.006 Stainless	1/2"	2 x 6	4-15/16" x 1-1/16"
♦ WB10CK	Hog bristle	1/2"	2 x 5	4-15/16" x 1-1/16"
♦ WB10HH	Horse hair	1/2"	2 x 5	4-15/16" x 1-1/16"
♦ WB10CN	.020 Cond. Nylon	1/2"	2 x 5	4-15/16" x 1-1/16"
WB10N	.012 Nylon	1/2"	2 x 5	4-15/16" x 1-1/16"



### **Large Upright Brushes**

Two longer, narrow shapes made with an upright hardwood handle, for dusting or cleaning. Also great for cleaning hard-to-reach areas.

Part #	Fill Material	Trim	Rows	Handle (L x W )
♦ WA24CK	Hog bristle	1/2"	2 x 12	5-5/8" x 2"
♦ WA24HH	Horse hair	1/2"	2 x 12	5-5/8" x 2"
◆ WA68CK	Hog bristle	1"	3 x 22	5-5/8" x 6"
♦ WA68HH	Horse hair	1"	3 x 22	5-5/8" x 6"



### **Thunderon® Brushes**

Thunderon® is a fine, conductive acrylic material specially made to clean or dust in areas that are sensitive to static electricity. It will dissipate a charge on any electrically charged surface. Thunderon® mixed with goat hair is slightly stiffer. Black plastic handle is conductive, 3/8" wide.

Part #	Fill Material	Trim	Rows	Handle (L x H)	Face
• 900183TL	Thunderon®	1-1/4"	1 x 54	16-3/4" x 7/8"	11"
● 900183L	Thunderon®/Goat	1-1/4"	1 x 54	16-3/4" x 7/8"	11"
<ul><li>900183T</li></ul>	Thunderon®	1-1/4"	1 x 29	9-3/4" x 7/8"	5-1/8"
900183	Thunderon®/Goat	1-1/4"	1 x 29	9-3/4" x 7/8"	5-1/8"
<ul><li>900437T</li></ul>	Thunderon®	1-3/8"	1 x 22	4" x 1-1/4"	3-1/2"
900437	Thunderon®/Goat	1-3/8"	1 x 22	4" x 1-1/4"	3-1/2"

### **Instrument Cleaning Brushes**

Designed for cleaning tiny areas, including instrumentation and pinpoint cleaning. Small tight head is mechanically clamped into a stainless tube and inserted into a Delrin® or static dissipative acetal handle.

Part #	Fill Material	Trim	Handle (L x D)
906500CK	Hog bristle	3/16"	5-5/16" x 1/4"
906502CK	Hog bristle	3/16"	Angled 5-1/4" x 1/4"
906500HH	Horse hair	3/16"	5-5/16" x 1/4"
906502HH	Horse hair	3/16"	Angled 5-1/4" x 1/4"
906500	.003 Nylon	3/16"	5-5/16" x 1/4"
906503	.003 Nylon	3/16"	Angled 5-1/4" x 1/4"
▲ 906500SDX*	.003 S.D. Nylon**	3/16"	5-5/16" x 1/4"
▲ 906503SDX*	.003 S.D. Nylon**	3/16"	Angled 5-1/4" x 1/4"
906501	.003 Stainless	3/16"	5-5/16" x 1/4"
906502	.003 Stainless	3/16"	Angled 5-1/4" x 1/4"
▲906500S9X*	.010 Statigo9	3/16"	5-5/16" x 1/4"
▲906503S9X*	.010 Statigo9	3/16"	Angled 5-1/4" x 1/4"
* Static Dissipative	Acetal Handle	** Static Dissipative	Nylon



### **Dome Dusters**

Made with soft goat hair. Excellent for delicately removing dust and dirt without scratching delicate surfaces. Works well for lens cleaning.

Part#	Fill Material	Size	Trim	Overall Length
◆ 0662-00050	Goat hair	1/2"	1-1/8"	7-7/8"
<ul><li>0662-00075</li></ul>	Goat hair	3/4"	1-3/8"	9-1/4"
• 0662-01000	Goat hair	1"	1-1/2"	9-3/4"



### Large Applicator (Dope) Brush

Wood handle with black horse hair fill material, firmly held by a metal ferrule. Inexpensive and commonly used for pipe dope, but also recommended for gluing, pasting, soldering and as a large acid brush.

Part #	Fill Material	Trim	Handle (L x D)
◆ DB7	Horse hair	1-1/8"	7" x 1/2" (3/4" at crimp)



### **Oval Sash Brushes**

Oval shape works well for dusting and removing debris. Large plastic tapered handle has a metal ferrule.

Part #	Fill Material	Size	Trim	Handle (L x D)
◆ 900046	Hog bristle	4	1-7/8"	9-1/2" x 3/4"
900162	Hog bristle	6	2"	10-1/8" x 7/8"
<ul><li>900744</li></ul>	Hoa bristle	8	2"	10-1/2" x 1"



### **Parts Cleaning Brushes**

Standard parts cleaning brushes that work well for removing grease, oil and solvents from metal parts. Plastic tapered handle with metal ferrule.

Part#	Fill Material	Trim	Handle (L x D)
159999	.018 Crimped polypropylene	2-3/4"	7-3/4" x 1-1/16"
159999CK	Hog bristle	2-1/4"	7-3/4" x 1-1/16"
159999T	Tampico	3-1/4"	7-3/4" x 1-1/16"



### **Economy Chip Brushes**

Economy multi-purpose brushes contain high quality natural bristle, tin ferrule and an un-lacquered handle.

Part #	Width	Trim
◆ TA605	1/2"	1-3/4"
◆ PTA610*	1"	1-3/4"
◆ TA610	1"	1-3/4"
◆ TA615	1-1/2"	1-3/4"
◆ TA620	2"	1-3/4"
◆ TA625	2-1/2"	1-3/4"
◆TA630	3"	1-3/4"
◆ TA640	4"	1-3/4"
* Polypropylene filament		









Pencil-shaped applicator brush with either a Delrin® or static dissipative acetal handle. The NAD and S9X series are epoxy set with a high temperature adhesive that is autoclavable.

Part #	Fill Material	Trim	Handle (L x D)	
187NP	.008 Nylon	3/8"	4-1/2" x 3/16"	
250NP	.008 Nylon	1/2"	4-1/2" x 1/4"	
375NP	.008 Nylon	3/4"	4-1/2" x 3/8"	
499NP	.008 Nylon	1"	4-1/2" x 1/2"	
Designed wit	h high temperature adhe	sive that is au	toclavable:	
187NAD	.008 Nylon	3/8"	4-1/2" x 3/16"	
250NAD	.008 Nylon	1/2"	4-1/2" x 1/4"	
375NAD	.008 Nylon	3/4"	4-1/2" x 3/8"	
499NAD	.008 Nylon	1"	4-1/2" x 1/2"	
▲ 187S9X*	.010 Statigo9	3/8"	4-1/2" x 3/16"	
▲ 250S9X*	.010 Statigo9	1/2"	4-1/2" x 1/4"	
▲375S9X*	.010 Statigo9	3/4"	4-1/2" x 3/8"	
▲499S9X*	.010 Statigo9	1"	4-1/2" x 1/2"	

<sup>\*</sup> Static Dissipative Acetal Handle

### **Applicator Brushes—Zinc Plated Steel Handle**

An inexpensive utility duster/cleaner that is an excellent replacement for disposable acid brushes that quickly shed fibers. Zinc plated steel handle holds the fibers in place by 5 tons of mechanical clamping and without any adhesives that could leach out and contaminate surface areas.

Part #	Fill Material	Tuina	Handle (L x D)
rari #	riii Materiai	Trim	nandie (L x D)
◆ 1CK	Hog bristle	3/4"	4-1/2" x 3/8"
♦ 1HH	Horse hair	3/4"	4-1/2" x 3/8"
1N	.010 Nylon	3/4"	4-1/2" x 3/8"
<b>▲</b> 1S9	010 Statigo9	3 /4"	4-1/2" x 3/8"

### **Applicator Brushes—Aluminum Handle**

Non-magnetic, lightweight aluminum handle. Constructed with strong mechanical clamping for maximum fiber retention, and contains no adhesives that can leach out and contaminate surface areas.

Part#	Fill Material	Trim	Handle (L x D)	
♦ AL251HH	Horse hair	1/2"	4" x 1/4"	
AL251N	.008 Nylon	1/2"	4" × 1/4"	
AL437N	.018 Nylon	1"	5" x 7/16"	

### **Applicator Brushes—Brass Handle**

Various size brass tube applicator brushes to suit the demands your working environment dictates. All have strong mechanical fiber clamping for maximum fiber retention.

Part #	Fill Material	Trim	Handle (L x D)	
• BT201B	.003 Brass	1/8"	3-1/2" x 1/8"	
<ul><li>BT202B</li></ul>	.003 Brass	3/8"	3-1/2" x 1/8"	
◆ BT202G	Goat hair	3/8"	3-1/2" x 1/8"	
◆ BT203G	Goat hair	1/2"	3-1/2" x 1/8"	
◆ BT201HH	Horse hair	1/8"	3-1/2" x 1/8"	
◆ BT204HH	Horse hair	11/16"	4" x 1/4"	
◆ BT146HH	Horse hair	3/4"	4" x 7/16"	
BT201N	.003 Nylon	1/8"	3-1/2" x 1/8"	
BT202N	.003 Nylon	3/8"	3-1/2" x 1/8"	
BT203N	.003 Nylon	1/2"	3-1/2" x 1/8"	
BT204N	.003 Nylon	11/16"	4" x 1/4"	
BT706N	.008 Nylon	1/2"	4" x 1/4"	
BT146N	.006 Nylon	3/4"	4" x 7/16"	
<ul><li>BT406SS</li></ul>	.003 Stainless	5/16"	3-1/2" x 1/8"	
<ul><li>BT407SS</li></ul>	.004 Stainless	3/8"	3-1/2" x 1/8"	
<ul><li>BT606SS</li></ul>	.006 Stainless	3/8"	4" x 3/16"	
<ul><li>BT706SS</li></ul>	.006 Stainless	1/2"	4" x 1/4"	



### **Applicator Brushes—Double-Ended**

Two sizes, one side has a short, flat end and the other end has an extrastiff chiseled trim. Both stainless steel. A great alternative to hand-trimming acid brushes.

Part #	Fill Material	Trim	Handle (L x D)
◆ 1005CK	Hog bristle	1/4" Tapered, 1/2" Flat	4-1/2" x 3/16"
◆ 1005HH	Horse hair	1/4" Tapered, 1/2" Flat	4-1/2" x 3/16"
▲ 1005SD	S. D. Nylon*	1/4" Tapered, 1/2" Flat,	4-1/2" x 3/16"
<b>▲</b> 1005S9	.010 Statigo9	1/4" Tapered, 1/2" Flat	4-1/2" x 3/16"
◆ 1010CK	Hog bristle	3/16" Tapered, 1/4" Flat	4-1/2" x 3/8"
◆ 1010HH	Horse hair	3/16" Tapered, 1/4" Flat	4-1/2" x 3/8"
1010N	.010 Nylon	3/16" Tapered, 1/4" Flat	4-1/2" x 3/8"
1010SB	Brass/sponge	1/2"	4-1/2" x 3/16"
▲ 1010SD	S. D. Nylon*	3/16" Tapered, 1/4" Flat	4-1/2" x 3/8"
<b>▲</b> 1010S9	.010 Statigo9	3/16" Tapered, 1/4" Flat	4-1/2" x 3/8"

<sup>\*</sup> Static Dissipative Nylon

### **Applicator Brushes—Stainless Handle**

Stainless steel handle for excellent chemical resistance. Manufactured using strong mechanical fiber clamping for maximum fiber retention.

Part #	Fill Material	Trim	Handle (L x D)
● SST2B	.003 Brass	1/8"	3-1/2" x 1/8"
● SST6B	.003 Brass	5/16"	4-1/2" x 3/16"
SST10B	.003 Brass	1/2"	4-3/4" x 5/16"
● SST12B	.003 Brass	1/2"	6" x 3/8"
♦ SST2G	Goat hair	1/8"	3-1/2" x 1/8"
♦ SST6G	Goat hair	5/16"	4-1/2" x 3/16"
♦ SST10G	Goat hair	3/8"	4-3/4" x 5/16"
♦ SST12G	Goat hair	3/4"	6" x 3/8"
♦ SST2CK	Hog bristle	1/8"	3-1/2" x 1/8"
♦ SST6CK	Hog bristle	5/16"	4-1/2" x 3/16"
♦ SST10CK	Hog bristle	3/8"	4-3/4" x 5/16"
♦ SST12CK	Hog bristle	3/4"	6" x 3/8"
♦ SST2HH	Horse hair	1/8"	3-1/2" x 1/8"
◆ SST6HH	Horse hair	5/16"	4-1/2" x 3/16"
♦ SST7HH	Horse hair	3/8"	3-1/2" x 3/16"
SST10HH	Horse hair	3/8"	4-3/4" x 5/16"
♦ SST12HH	Horse hair	3/4"	6" x 3/8"
SST2N	.003 Nylon	1/8"	3-1/2" x 1/8"
SST6N	.008 Nylon	5/16"	4-1/2" x 3/16"
SST7N	.008 Nylon	3/8"	3-1/2" x 3/16"
SST10N	.008 Nylon	3/8"	4-3/4" x 5/16"
SST12N	.008 Nylon	3/4"	6" x 3/8"
SST2SS	.003 Stainless	1/8"	3-1/2" x 1/8"
SST6SS	.003 Stainless	5/16"	4-1/2" x 3/16"
SST10SS	.003 Stainless	1/2"	4-3/4" x 5/16"
SST12SS	.003 Stainless	1/2"	6" x 3/8"
▲SST2S9	.010 Statigo9	1/8"	3-1/2" x 1/8"
▲SST6S9	.010 Statigo9	5/16"	4-1/2" x 3/16"
▲SST10S9	.010 Statigo9	3/8"	4-3/4" x 5/16"
▲SST12S9	.010 Statigo9	3/4"	6" x 3/8"
SST2T	Thunderon®	1/8"	3-1/2" x 1/8"
SST6T	Thunderon®	5/16"	4-1/2" x 3/16"
SST10T	Thunderon®	3/8"	4-3/4" x 5/16"
SST12T	Thunderon®	3/4"	6" x 3/8"

### **Acid Brushes—Rolled Tin Handle**

Disposable brushes for applying acid, glue, lubrication or coatings. Very popular when one-time usage is necessary. Packed and sold by the gross (144 pieces).

Part #	Fill Material	Trim	Tube (L x W x D)
900431	#00 Horse hair	1/2"	2-3/4" x 1/4" x 3/16"
AB4	#1 Horse hair	3/4"	5-1/4" x 3/8" x 1/4"
AB4N	#1 Nylon	3/4"	5-1/4" x 3/8" x 1/4"
AB5	#2 Horse hair	13/16"	5-1/4" x 1/2" x 5/16"
AB5N	#2 Nylon	13/16"	5-1/4" x 1/2" x 5/16"
AB8	#3 Horse hair	7/8"	5-1/4" x 9/16" x 3/8"







### **Fitch Black Bristle Brushes**

Black bristle brushes in a Fitch shape, halfway between a round and a flat. Long natural wood handle allows a good working distance.

Part #	Size	Trim	Overall Length
<b>♦</b> 0987-00025	1/4"	7/8"	11-1/2"
◆ 0987-00037	3/8"	1"	11-1/2"
◆ 0987-00050	1/2"	1-1/8"	12-3/8"
◆ 0987-00075	3/4"	1-1/2"	12-1/2"
◆ 0987-01000	1"	1-1/2"	12-1/2"
◆ 0987-01050	1-1/2"	2"	12-1/2"

### **Marking Brushes**

Fine-quality, black-bristle marking brushes with natural wood handles for general marking or touch-up.

Part #	Size	Diameter	Trim	Overall Length
<b>♦</b> 6206−01000	1	.160"	5/8"	11-1/4"
◆ 6206-02000	2	.188"	3/4"	11-1/4"
◆ 6206-03000	3	.201"	7/8"	11-3/4"
◆ 6206-04000	4	.231"	1"	11-3/4"
♦ 6206-05000	5	.245"	1"	12-1/4"
♦ 6206-06000	6	.285"	1-1/8"	12-1/4"

### **Round Bristle Brushes**

Round white bristle brushes with long lacquered wood handles and seamless nickel-plated ferrules.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
<b>♦</b> 0316-02000	2	.177"	3/4"	11-1/2"
◆ 0316-04000	4	.217"	7/8"	12-1/4"
◆ 0316-06000	6	.310"	1"	12-3/8"
◆ 0316-08000	8	.394"	1-1/4"	12-1/2"
◆ 0316-10000	10	.433"	1-1/2"	13-1/2"
◆ 0316-12000	12	.551"	1-3/4"	13-1/2"

### **White Taklon Round Brushes**

These white Taklon brushes are recognized for their versatility and durability. Round-shaped head, nickel-plated ferrule and a lacquered handle.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
0036-00300	3/0	.065"	1/4"	7"
0036-00200	2/0	.069"	1/4"	7"
0036-00000	0	.081"	5/16"	7"
0036-01000	1	.088"	3/8"	7"
0036-02000	2	.102"	7/16"	7"
0036-04000	4	.137"	1/2"	7-1/2"
0036-06000	6	.150"	5/8"	7-1/2"
0036-08000	8	.220"	3/4"	7-3/4"
0036-10000	10	.238"	3/4"	7-3/4"

### **White Taklon Flat Brushes**

Durable flat brushes made with the finest white Taklon, a nickel-plated ferrule and a laquered handle.

Part #	Size	Width	Trim	<b>Overall Length</b>
0037-02000	2	3/16"	.275"	7"
0037-04000	4	1/8"	.354"	7"
0037-06000	6	1/4"	.492"	7-1/2"
0037-08000	8	5/16"	.629"	7-3/4"
0037-10000	10	3/8"	.669"	8"

### **Pony Hair Round Brushes**

Inexpensive disposable brush made with pony hair and a 7" black plastic handle.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
6021-01000	1	.078"	3/8"	7"
6021-02000	2	.094"	3/8"	7"
6021-03000	3	.125"	1/2"	7"
6021-04000	4	.158"	1/2"	7"
6021-05000	5	.166"	9/16"	7"
6021-06000	6	.177"	5/8"	7"



Great general detail brush that is terrific for painting, adhesive applications and general touch-up work. Wide variety of sizes available.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
<b>♦</b> 6020−01000	1	.078"	3/8"	7"
♦ 6020-02000	2	.094"	3/8"	7"
♦ 6020-03000	3	.125"	7/16"	7"
♦ 6020-04000	4	.158"	1/2"	7-3/8"
<b>♦</b> 6020-05000	5	.166"	9/16"	7-3/8"
♦ 6020-06000	6	.177"	5/8"	7-3/8"
♦ 6020-07000	7	.186"	3/4"	7-3/8"
♦ 6020-08000	8	.197"	7/8"	7-3/8"
<b>♦</b> 6020-09000	9	.215"	7/8"	7-5/8"
♦ 6020-10000	10	.236"	1"	8-1/4"
♦ 6020-11000	11	.240"	1"	8-1/4"
♦ 6020-12000	12	.260"	1"	8-1/4"



### **Camel Hair Flat Brushes**

Camel hair flat brush with a natural wood handle. Works well for dusting parts and applying paint, adhesives and a wide variety of touch-up work.

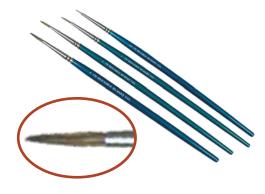
Part #	Size	Trim	Overall Length
<b>♦</b> 0790-00012	1/8"	1/4"	6-5/8"
◆ 0790-00025	1/4"	7/16"	6-5/8"
◆ 0790-00037	3/8"	1/2"	7"
◆ 0790-00050	1/2"	5/8"	7-3/8"
◆ 0790-00062	5/8"	3/4"	7-1/2"
◆ 0790-00075	3/4"	1"	7-1/2"
◆ 0790-01000	1"	1-1/4"	7-3/4"
◆ 0790-01050	1-1/2"	1-3/8"	8"



### **Red Sable Round Brushes**

Round Red Sable brush is more economical than Pure Red Sable and can be used for similar applications.

Part #	Size	Diameter	Trim	Overall Length
0770-00300	3/0	.067"	.236"	7"
0770-00000	0	.070"	.295"	7"
0770-01000	1	.077"	.354"	7"
0770-02000	2	.079"	.433"	7"
0770-03000	3	.098"	.511"	7-3/8"
0770-04000	4	.104"	.532"	7-3/8"
0770-06000	6	.162"	.625"	7-3/8"
0770-08000	8	.198"	.794"	7-3/8"
0770-10000	10	.230"	.860"	8"
0770-12000	- 12-	.265"	1"	8"





### **Pure Red Sable Flat Brushes**

Traditional flat brush for applying paints and other liquids to a flat, wide area. Also good for general cleaning. Made with Pure Red Sable.

Part #	Size	Width	Trim	<b>Overall Length</b>
<b>♦</b> 0611-02000	2	1/8"	1/4"	7"
<b>♦</b> 0611-04000	4	3/16"	3/8"	7"
◆ 0611-06000	6	1/4"	7/16"	7-1/4"
◆ 0611-08000	8	3/8"	7/16"	7-1/2"
<b>♦</b> 0611-10000	10	7/16"	1/2"	7-1/2"
◆ 0611-12000	12	5/8"	9/16"	7-5/8"



### **Pure Red Sable Fine Detail Brushes**

Round-shaped brush head in small sizes, excellent for applying paint, epoxy, glue, or other liquids to tiny, hard-to-reach areas. Also great for cleaning detailed parts. Made with Pure Red Sable hair.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
<b>♦</b> 6999-00100	10/0	.039"	.013"	6-3/4"
♦ 6999-00600	6/0	.074"	.196"	6-3/4"
♦ 6999-00400	4/0	.076"	.234"	6-3/4"
<b>♦</b> 6999-00200	2/0	.078"	.275"	6-3/4"



### **Pure Red Sable Round Brushes**

Traditional round brush made out of Pure Red Sable hair, which is softer than camel hair, pony hair and bristle. Ideal for applying oils, acrylics and less caustic solutions. Great for applications where detail is important when working on a larger surface area.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
<b>♦</b> 0906−00300	3/0	.067"	.236"	7"
◆ 0906-00000	0	.070"	.295"	7"
◆ 0906-01000	1	.077"	.345"	7"
◆ 0906-02000	2	.079"	.433"	7"
◆ 0906-03000	3	.098"	.511"	7-3/8"
◆ 0906-04000	4	.104"	.532"	7-3/8"
◆ 0906-05000	5	.136"	.590"	7-3/8"
◆ 0906-06000	6	.162"	.625"	7-3/8"
◆ 0906-07000	7	.184"	.748"	7-3/8"
◆ 0906-08000	8	.198"	.794"	7-1/2"
◆ 0906-10000	10	.230"	.860"	8"
◆ 0906-12000	12	.265"	1"	8"



### **Long Dagger Stripper Brushes**

The perfect Long Dagger Stripper. Great for sign painting, stripping and detailing work. Made with the finest squirrel hair, with a full body and a fine tip. Lacquered wood handle with a seamless ferrule.

Part #	Size	Width	Trim	<b>Overall Length</b>
<b>♦</b> 6052-01000	1	1/4"	1-1/2"	8-1/4"
♦ 6052-02000	2	5/16"	1-1/2"	8-1/4"
♦ 6052-03000	3	3/8"	1-5/8"	8-1/2"
♦ 6052-04000	4	7/16"	1-5/8"	8-3/4"
♦ 6052-05000	5	1/2"	1-7/8"	9"
♦ 6052-06000	6	1/2"	2"	9-1/4"

### **Chemical Resistant-Pure Red Sable Round Brushes**

Pure Red Sable Hair, ideal for applying conformal coatings. This brush is made to endure harsh chemicals, including Toluene without deterioration. Unvarnished hardwood handle, so chemicals will not cause paint to peel or flake.

Part #	Size	Diameter	Trim	<b>Overall Length</b>
<b>♦</b> 0907-00300	3/0	.067"	.236"	7"
◆ 0907-00000	0	.070"	.295"	7"
◆ 0907-01000	1	.077"	.345"	7"
◆ 0907-02000	2	.079"	.433"	7"
◆ 0907-03000	3	.098"	.511"	7-3/8"
◆ 0907-04000	4	.104"	.532"	7-3/8"
◆ 0907-05000	5	.136"	.590"	7-3/8"
◆ 0907-06000	6	.162"	.625"	7-3/8"
◆ 0907-08000	8	.198"	.794"	7-1/2"



### **Chemical Resistant-Ox Hair Flat Brushes**

Long Ox hair stroke brush is made to withstand harsh chemicals, including Toluene without deterioration. Use in a variety of applications where flat, even application is needed. Ideal for applying conformal coatings. Unvarnished hardwood handle, so chemicals will not cause paint to peel or flake.

Part #	Size	Trim	<b>Overall Length</b>
<b>♦</b> 0689-00012	1/8"	5/8"	7-1/2"
◆ 0689-00025	1/4"	3/4"	7-1/2"
◆ 0689-00037	3/8"	7/8"	7-3/4"
◆ 0689-00050	1/2"	1"	7-3/4"
◆ 0689-00075	3/4"	1-3/8"	9"
<b>◆</b> 0689-01000	1"	1-1/2"	9"



### **Stencil Brushes**

Hog bristle brush for working with inks, stencils and other marking applications. Seamless nickel-plated ferrule in a hardwood handle.

Part #	Size	Diameter	Trim	Overall Length
1501-02000	2	.236"	1/2"	5-1/2"
1501-04000	4	.315"	3/4"	5-3/4"
1501-06000	6	.354"	3/4"	5-7/16"
1501-08000	8	.487"	7/8"	6"
1501-10000	10	.680"	1-1/8"	6-1/2"
1501-12000	12	.950"	1-1/4"	6-3/4"



### **Large Stencil Brush**

Hog bristle brush for working with inks, stencils and other marking applications. Seamless nickel-plated ferrule in a hardwood handle.

Part #	Diameter	Trim	Overall Length
3060-01025	1_1/4"	1-1/2"	6-1/2"







Soft









1 oz. bellows bottle

### Flow-Thru Luer Lock Brushes

A stainless steel flow-thru needle with a luer lock base, inserted into a nickel-plated ferrule. Six different brush materials that range from soft to stiff are available with three different needle gauges. Other sizes are available upon request.

Brush	Brush	Trim	Needle Ga	uge, Inside Di	ameter, Part #
Material	Dia.	Length	16 (.053)	18 (.038)	22 (.019)
Camel	3/16"	7/16"	FTC-16	FTC-18	FTC-22
Sabeline	3/16"	7/16"	FTSL-16	FTSL-18	FTSL-22
Red sable	3/16"	3/4"	FTRS-16	FTRS-18	FTRS-22
White taklon	5/16"	7/16"	FTWT-16	FTWT-18	FTWT-22
Nylon	3/16"	13/16"	FTN-16	FTN-18	FTN-22
Bristle	3/16"	5/8"	FTHB-16	FTHB-18	FTHB-22

Part # BTL-BEL-1: 1 oz. bellows bottle with luer lock insert fits any of the above luer lock brushes.



### **Small Flow-Thru Parts Wash Brushes**

Solvent resistant, micro-sized Nylon tubes are mixed with Nylon, brass or stainless steel for light, moderate, or aggressive cleaning. 3/8" diameter stainless handle easily connects to a standard parts wash hose.

Nylon: For all purpose cleaning. Great for small parts.

**Brass:** Use to remove light to medium corrosion or dirt from soft metals such as gold, brass, aluminum, etc. Will not damage most metal finishes.

**Stainless:** Use to remove medium to heavy corrosion from steel, titanium or other hard metal surfaces.

		Irim	Handle
Part #	Fill Material	Length	Dimension
PC12N	.018 Nylon	1/2"	3/8" x 4-1/2"
PC12B	.010 Brass/.018 Nylon	1/2"	3/8" x 4-1/2"
PC12SS	.010 Stainless/.018 Nylon	1/2"	3/8" x 4-1/2"







### **High Pressure Flow-Thru Brushes**

High pressure, high volume flow-thru brushes. Threaded body can be used for robotic applications. Use Nylon for adhesives, horse hair for heavy viscosity paints and lubricants, and goat hair when fine, smooth application is required.

Hex		Body	Trim	Orifice	Nylon	Horse Hair	<b>Goat Hair</b>
Size	Thread	Size	Length	Size	Part #	Part #	Part #
1/4"	10-24 Male	1"	1/2"	.033"	901717N	◆901717HH	◆901717G
1/4"	6-32 Female	1"	1/2"	.038"	901198	◆901198HH	◆901198G
3/8"	10-24 Male	1"	3/4"	.063"	901713N	◆901713HH	♦901713G
3/8"	10-32 Female	1"	1/2"	.063"	901332	◆901332HH	◆901332G
5/8"	3/8-24 Male	1-1/4"	1"	.093"	901714N	◆901714HH	◆901714G
5/8"	3/8-24 Female	1-1/4"	7/16"	.093"	900855N	◆900855HH	◆900855G
1"	1/2-20 Male	1-1/4"	1-1/4"	.125"	901715N	◆901715HH	♦901715G
1"	1/2-20 Female	1-1/4"	1-1/4"	.125"	901716N	◆901716HH	◆901716G

### **Specialty End Brushes**

Aluminum body is 1-5/8" long. Shank is 13/16" long and has a 1/4" diameter. Brush diameter is 1". Fill material trim is 1".

Part #	Fill Material	Use
◆ EB14HH	Horse hair	Polishing
EB14P	.016 PEEK	High temperatures (480°F)
▲ EB14SD*	.016 S.D. Nylon*	Static sensitive cleaning and polishing
EB14T	Tampico	Cleaning steel/aluminum molds
● EB14TI	.008 Titanium	Cleaning titanium (no corrosion)
46 5		

<sup>\*</sup>Static Dissipative Nylon

### **Miniature Vacuum Brushes**

Angled vacuum head with a 7" handle for small or difficult to reach areas. Choose a Delrin® or a static dissipative acetal body.

### Delrin® Body:

	Inlet	Head	Fill	Trim
Part #	Dia.	Dia.	Material	Length
900488GH	1/4"	7/8"	Goat hair	1/4"
900488	1/4"	7/8"	Horse hair	1/4"
900488N	1/4"	7/8"	.004 Nylon	1/4"
Static Dissipati	ve Acetal Body	:		
▲900488SD*	1/4"	7/8"	.010 S.D. Nylon*	1/4"
▲900488T	1/4"	7/8"	.0015 Thunderon®	1/4"
*Static Dissipativ	re Nvlon			

### **Acid Resistant Vacuum Brushes**

Polypropylene body, filled with polypropylene and hand tied with polypropylene monofilament; for use in corrosive environments. Brush fits standard 1-1/4" hose.

	Inlet	Head	Fill	Trim
Part #	Dia.	Dia.	Material	Length
901744PK	5/8"	2-1/2"	.006 PEEK	1/2"
901744PP	5/8"	2-1/2"	.006 Polypropylene	1/2"

### **Anti-Static Vacuum Brush**

Standard molded plastic vacuum head with a grounding point, providing electrical continuity to the static dissipative filament. Use in static sensitive areas. Brush fits standard 1-1/4" hose.

	Inlet	Head	Fill	Trim
Part #	Dia.	Dia.	Material	Length
▲901350-016SD*	1"	2-1/2"	.016 S.D. Nylon	1"

<sup>\*</sup>Static Dissipative Nylon

### **Heavy Duty Vacuum Brushes**

Aluminum body with hand tied durable fill materials; for harsh environments, high temperatures and static-sensitive areas.

	Inlet	Head	Fill	Trim
Part #	Dia.	Dia.	Material	Length
● 901336-010BR	1-1/4"	3-1/4"	.010 Brass	2"
901336-016PK	1-1/4"	3-1/4"	.016 PEEK	2"
▲901336-016SD*	1-1/4"	3-1/4"	.016 S.D. Nylon*	2"
• 901336-010SS	1-1/4"	3-1/4"	.010 Stainless	2"

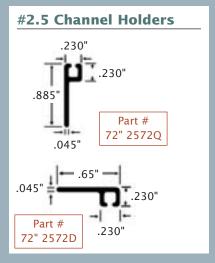
<sup>\*</sup>Static Dissipative Nylon



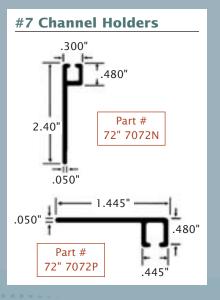


### **CHANNEL HOLDERS**

Aluminum channel holders in two standard styles. Other styles are available upon request.



# #4 Channel Holders .300" .325" 1.235" Part # 72" 4072A .050" .325" Part # 72" 4072C .300"



### **# 2.5 Channel Strip Brushes**

72" long, 1/8" x 1/8" galvanized steel channel.

Part #	Fill Material	<b>Overall Height</b>
23105	.006 Crimped black Nylon	.5"
23106	.010 Crimped black Nylon	1.5"
23112	.006 Black polypropylene	.63"
23113	.006 Black polypropylene	.88"
23114	.006 Black polypropylene	1.13"
23115	.006 Black polypropylene	1.63"
23116	.006 Black polypropylene	2.13"

# #2.5 Strip Brush Measurements Overall 1/8" Height 1/8"

### **# 4 Channel Strip Brushes**

72" long, 3/16" x 3/16" galvanized or stainless steel channel.

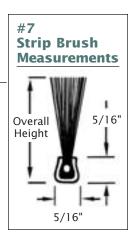
Part #	Fill Material	<b>Overall Height</b>
44775*	.004 Crimped brass	1"
44776*	.006 Crimped brass	2"
44777*	.008 Crimped brass	3"
23146	Horse hair	.75"
23147	Horse hair	1.25"
23148	Horse hair	2"
<ul><li>44962</li></ul>	.010 Black 100% conductive Nylon	1"
<ul><li>44963</li></ul>	.010 Black 100% conductive Nylon	2"
<ul><li>44964</li></ul>	.010 Black 100% conductive Nylon	3"
◆ 44950	.010 Yellow antistatic Nylon	1"
<ul><li>44951</li></ul>	.010 Yellow antistatic Nylon	2"
◆ 44952	.010 Yellow antistatic Nylon	3"
23122	.010 Crimped black Nylon	1"
23123	.010 Crimped black Nylon	2"
23124	.014 Crimped black Nylon	3"
23125	.014 Crimped black Nylon	4"
23171	.006 Black polypropylene	.687"
23172	.006 Black polypropylene	.937"
23173	.006 Black polypropylene	1.187"
23174	.006 Black polypropylene	1.687"
23175	.006 Black polypropylene	1.937"
23176	.006 Black polypropylene	2.187"
23177	.006 Black polypropylene	2.687"
23178	.010 Crimped black polypropylene	3.187"
*C	1.61	



### **#7 Channel Strip Brushes**

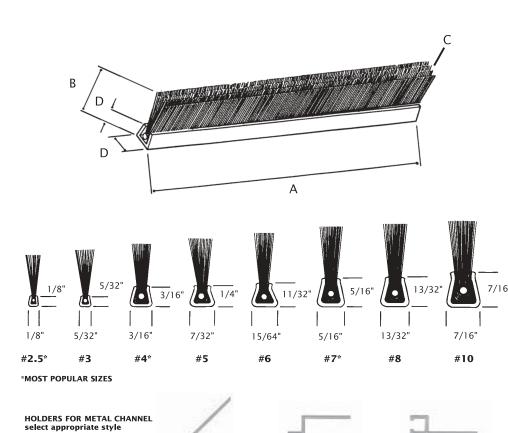
72" long, 5/16" x 5/16" galvanized steel channel.

Part #	Fill Material	Overall Height
23190	.010 Crimped black Nylon	1"
23191	.014 Crimped black Nylon	2"
23192	.014 Crimped black Nylon	3"
23193	.020 Crimped black Nylon	4"
23194	.020 Crimped black Nylon	6"



Additional strip brush sizes and styles are available by request. Find a design sheet at **www.gordonbrush.com** 

<sup>\*</sup>Stainless Steel Channel





inward wound disk





inward wound spiral



		- 24

A. Brush Length	Configur
Ai Biusii Leligtii	comigai

### **B.** Overall Trim Length

### C. Fill Material Type

Fill Diameter\_ Fill Color\_

Fill Style:

- ☐ Crimped ☐ Level (Straight)
- Fill Material Density:
- ☐ Light ☐ Medium ☐ Heavy

### D. Metal Channel Size # (#4 and #7 are most common)

	width	Χ	height
□ #2.5	1/8"	Х	1/8"
□ #3	5/32"	х	5/32"
<b>4</b>	3/16"	х	3/16"
□ #5	7/32"	х	1/4"
□ #6	15/64"	х	11/32"
<b>47</b>	5/16"	Х	5/16"
□ #8	13/32"	х	13/32"
□ #10	7/16"	v	7/16"

### **Metal Channel Material** (Galvanized is most common)

- ☐ Galvanized ☐ Stainless Steel
- ☐ Aluminum

### ration

		Straight	Strip
--	--	----------	-------

☐ Inward Wound Disk Inside Diameter
Outside Diameter
Outward Wound Disk Inside Diameter
Outside Diameter
☐ Inward Wound Spiral
Inside Diameter
Outside Diameter

Outward	Wound	Spiral

Inside Diameter
Outside Diameter
Pitch

☐ Cup	
Inside Diameter	
Outside Diameter	

Wet	or D	ry U	se?_
-----	------	------	------

**Ends Deburred:**  $\square$  Yes

Pitch \_

Order Quantity _	
Annual Usage	

☐ No

Ou:	antii	tv/	
Que		L Y	

CUSTOMER	CONTACT	INFORMATION

Name		
Company	 	
Phone	 	
email		



### **Micro Spiral Brushes**

Miniature single-spiral brushes with a stainless steel stem and a cut end.

Brush Dia.	Brush Length	Stem Dia.	Bristle Dia.	Overall Length	Stainless Part #	Brass Part #	Nylon Part #
.020	1/4"	.014	.003	3"	01001	01002	01003
.030	1/4"	.015	.003	3"	01021	01022	01023
.040	1/2"	.025	.003	4"	01031	01032	01033
.050	1/2"	.035	.003	4"	01051	01052	01053
.060	1/2"	.035	.003	4"	01071	01072	01073
.070	3/4"	.035	.003	4"	01091	01092	01093
.080	3/4"	.044	.003	4"	01101	01102	01103
.090	1"	.044	.003	4"	01111	01112	01113
.100	1"	.044	.003	4"	01131	01132	01133
.110	1"	.044	.003	4"	01141	01142	01143
.125	1"	.044	.003	4"	01151	01152	01153
.130	1"	.044	.003	4"	01161	01162	01163
.140	1"	.044	.003	4"	01171	01172	01173
.150	1"	.070	.003	4"	01181	01182	01183
.160	1"	.070	.003	4"	01201	01202	01203
.170	1"	.070	.003	4"	01211	01212	01213
.180	1"	.070	.003	4"	01221	01222	01223
.190	1"	.070	.003	4"	01231	01232	01233

### **Abrasive Micro Spiral Brushes**Designed for ultra-fine deburring, edge blending and cleaning.

Made with .008 Silicate and Stainless Stem Wire:

Brush	For Hole [	Diameters:	Brush	Stem	Overall	Abrasive
Dia.	Decimal	Fraction	Length	Dia.	Length	Part #
.030	.031	1/32"	1/2"	.015	4"	01301
.050	.047	3/64"	1/2"	.025	4"	01309
.075	.063	1/16"	3/4"	.035	4"	01321
.090	.078	5/64"	3/4"	.035	4"	01325
.105	.094	3/32"	1"	.044	4"	01329
.125	.109	7/64"	1"	.070	4"	01333
.135	.125	1/8"	1"	.070	4"	01337
Made wit	h 600 Alumin	um Oxide an	d Galvanize	d Stem Wire	:	
.165	.156	5/32"	1"	.070	5"	01441
.190	.188	3/16"	1"	.070	5"	01445
.260	.250	1/4"	1"	.110	5"	01449
.325	.313	5/16"	1"	.110	5"	01453
.385	.375	3/8"	1"	.145	5"	01457
.515	.500	1/2"	1"	.165	5"	01461
.640	.625	5/8"	1"	.165	5"	01465
.765	.750	3/4"	1"	.225	5"	01469
.890	.875	7/8"	1"	.225	5"	01473
1.015	1.000	1"	1"	.225	5"	01477

Thread Cleaning Brushes
Stainless steel base wire. Sizes 0-8 have a ring. All other sizes have a cut end.

							Nylon	
Thread	Brush	Overall	Stem	Brush	Stainless	Brass	Brush	Nylon
Size	Length	Length	Dia.	Dia.	Part #	Part #	Dia.	Part #
#0	3/4"	4"	.035	.060	TCS-0	TCB-0	.080	TCN-0
#2	3/4"	4"	.035	.086	TCS-2	TCB-2	.098	TCN-2
#4	1"	4"	.050	.113	TCS-4	TCB-4	.125	TCN-4
#6	1"	4"	.058	.140	TCS-6	TCB-6	.150	TCN-6
#8	1"	4"	.058	.166	TCS-8	TCB-8	.166	TCN-8
#10	1"	4"	.070	.191	TCS-10	TCB-10	.191	TCN-10
1/4"	1"	4-1/2"	.090	1/4"	TCS-1/4	TCB-1/4	1/4"	TCN-1/4
5/16"	1"	4-1/2"	.090	5/16"	TCS-5/16	TCB-5/16	5/16"	TCN-5/16
3/8"	1"	4-1/2"	.110	3/8"	TCS-3/8	TCB-3/8	3/8"	TCN-3/8
7/16"	1-1/2"	4-1/2"	.110	7/16"	TCS-7/16	TCB-7/16	7/16"	TCN-7/16
1/2"	1-1/2"	4-1/2"	.110	1/2"	TCS-1/2	TCB-1/2	1/2"	TCN-1/2
3/4"	1-1/2"	4-1/2"	.145	3/4"	TCS-3/4	TCB-3/4	3/4"	TCN-3/4



### **Single Spiral Brushes with Ring Handle**

Single spiral, single-stem wire fill with a ring handle, for manual cleaning. Galvanized stem wire on all except "stainless fill/stem."

Brush Dia.	Brush Length	Overall Length	Stem Dia.	Fill Dia.	Carbon Steel Part #	Stainless Steel Part #	Stainless Fill/Stem Part #	Brass Part #
1/8"	1"	6"	.090	.003	95000	97002	98002*	91002
1/8"	1"	6"	.090	.005	95005	97004	98005*	91004
3/16"	1-1/2"	7"	.090	.003	95006	97005	98006*	91006
3/16"	1-1/2"	7"	.090	.005	95008	97008	98008*	91008
1/4"	1-1/2"	7"	.090	.003	95010	97010	98010*	91010
1/4"	1-1/2"	7"	.090	.005	95012	97015	98012*	91012
1/4"	3"	27"	.090	.005	95014	97016	98014*	91014
5/16"	1-1/2"	7"	.090	.004	95016	97017	98016*	91016
5/16"	1-1/2"	7"	.090	.006	95018	97018	98018*	91018
3/8"	2"	8"	.110	.004	95020	97020	98020	91020
3/8"	2"	8"	.110	.006	95022	97022	98022	91022
3/8"	3"	27"	.145	.005	95024	97024	98024	91024
7/16"	2"	8"	.110	.004	95026	97026	98026	91026
7/16"	2"	8"	.110	.006	95028	97028	98028	91028
1/2"	2"	8"	.110	.004	95029	97030	98030	91030
1/2"	2"	8"	.110	.006	95032	97032	98032	91032
1/2"	3"	27"	.165	.006	95034	97034	98034	91034
9/16"	2-1/2"	9"	.145	.005	95036	97036	98036	91036
9/16"	2-1/2"	9"	.145	.008	95038	97038	98038	91038
5/8"	2-1/2"	9"	.145	.005	95040	97040	98040	91040
5/8"	2-1/2"	9"	.145	.008	95042	97042	98042	91042
5/8"	3"	27"	.190	.006	95044	97044	98044	91044
11/16"	2-1/2"	9"	.145	.005	95046	97046	98046	91046
11/16"	2-1/2"	9"	.145	.008	95048	97048	98048	91048
3/4"	2-1/2"	9"	.145	.005	95050	97050	98050	91050
3/4"	2-1/2"	9"	.145	.008	95052	97052	98052	91052
3/4"	3"	27"	.190	.006	95054	97054	98054	91054
13/16"	3"	10"	.165	.005	95056	97056	98056	91056
13/16"	3"	10"	.165	.008	95058	97058	98058	91058
7/8"	3"	10"	.165	.005	95060	97060	98060	91060
7/8"	3"	10"	.165	.008	95062	97062	98062	91062
7/8"	3"	27"	.190	.006	95064	97064	98064	91064
1"	3"	10"	.165	.005	95066	97066	98066	91066
1"	3"	10"	.165	.008	95068	97068	98068	91068
1"	3"	27"	.190	.006	95070	97070	98070	91070
1-1/4"	3"	27"	.190	.006	95072	97072	98072	91072
1-1/2"	3"	27"	.190	.008	95074	97074	98074	91074

<sup>\*.070</sup> Stem diameter

### Single Spiral, Single-Stem Nylon or Horse Hair with **Ring Handle and Galvanized Stem**

Brush	Brush	Overall	Stem	Nylon	Horse Hair	Nylon
Dia.	Length	Length	Dia.	Dia.	Part #	Part #
1/4"	2"	6-1/4"	.070	.006	432100	499101
1/4"	4"	26"	.110	.006	432101	499099
5/16"	1-1/2"	9"	.110	.006	432114	499112
3/8"	2"	6-1/4"	.070	.006	431125	499123
3/8"	4"	26"	.135	.006	432126	499124
1/2"	1-1/2"	7-1/2"	.070	.012	435151	499148
1/2"	3"	8-1/2"	.070	.012	435149	499149
1/2"	4"	26"	.110	.012	435148	499152
1/2"	4-1/2"	42"	.145	.012	435152	499153
5/8"	3"	8-1/2"	.145	.012	435173	499173
5/8"	4-1/2"	42"	.145	.012	435175	499175
3/4"	3"	8-1/2"	.145	.012	435200	499201
3/4"	4-1/2"	42"	.145	.014	436200	499199
1"	4"	12-1/4"	.145	.012	435225	499224
1"	4-1/2"	40-1/2"	.225	.014	436225	499225
1-1/4"	4"	13"	.165	.014	436237	499237
1-1/4"	4-1/2"	40-1/2"	.225	.014	436239	499238
1-1/4"**	5"	12"	.145	.014	436238**	499198**
1-1/2"	4-1/2"	40-1/2"	.225	.014	436250	499249
2" **Brush diam	4-1/2" eter tapers fr		.225 3/4"	.014	436265	499265

### SPIRAL BRUSH CONSTRUCTION

### Single Spiral, Single-Stem



One layer of filament twisted between two single-stem wires.

### Single Spiral, Double-Stem



One layer of filament twisted between doublestem wires, for added strength.

### **Double Spiral, Double-Stem**



Two layers of filament twisted between four stem wires, with each layer perpendicular to the other.

This is the strongest spiral brush with the highest density of filament.



### Single Spiral, Single-Stem



One layer of filament twisted between two single-stem wires.



### Single Spiral, Double-Stem



One layer of filament twisted between doublestem wires, for added



### **Single Spiral Power Brushes**

Single spiral, single-stem with galvanized wire for use in portable tools and drill presses.

					Carbon	Stainless	•
Brush	Brush	Overall	Stem	Wire	Steel	Steel	Brass
Dia.	Length	Length	Dia.	Dia.	Part #	Part #	Part #
1/4"	1"	3-1/2"	.110	.004	30005	30007	30001
5/16"	1"	3-1/2"	.110	.004	30015	30017	30011
3/8"	1"	3-1/2"	.110	.004	30025	30027	30021
3/8"	1"	3-1/2"	.145	.008	30035	30037	30031
7/16"	1"	3-1/2"	.145	.005	30045	30047	30041
1/2"	1"	3-1/2"	.165	.005	30055	30057	30051
9/16"	1"	3-1/2"	.190	.005	30065	30067	30061
5/8"	1"	3-1/2"	.165	.005	30075	30077	30071
5/8"	1"	3-1/2"	.190	.008	30085	30087	30081
11/16"	1"	3-1/2"	.190	.005	30095	30097	30091
3/4"	1"	3-1/2"	.225	.006	30105	30107	30101
13/16"	1"	3-1/2"	.225	.006	30115	30117	30111
7/8"	1"	3-1/2"	.225	.006	30125	30127	30121
15/16"	1"	3-1/2"	.225	.006	30135	30137	30131
1"	1"	3-1/2"	.225	.005	30145	30147	30141
1"	1"	3-1/2"	.225	.008	30155	30157	30151
1-1/8"	1"	3-1/2"	.225	.005	30165	30167	30161
1-1/8"	1"	3-1/2"	.225	.008	30175	30177	30171
1-1/4"	1"	3-1/2"	.225	.008	30185	30187	30181
1-1/2"	1"	3-1/2"	.225	.008	30195	30197	30193

### **Abrasive Single Spiral Power Brushes**

Single spiral, double-stem, galvanized wire filled with silicon carbide abrasive Nylon for a high degree of stiffness and a fast-cutting rate. For wet or dry applications. Can be used manually or in power tools.

Brush	Brush	Overall	Stem	Nylon	Grit		
Dia.	Length	Length	Dia.	Dia.	Size	Part #	
1/4"	1-1/2"	4"	.120	.022	320	40003	
3/8"	1-1/2"	4"	.120	.022	320	40006	
1/2"	2"	5"	.162	.022	320	40009	
1/2"	2"	5"	.162	.040	80	40012	
5/8"	2"	5"	.207	.022	320	40015	
5/8"	2"	5"	.207	.040	80	40018	
11/16"	2"	5"	.207	.022	320	40021	
3/4"	2-1/2"	5-1/2"	.243	.022	320	40024	
3/4"	2-1/2"	5-1/2"	.243	.040	80	40027	
7/8"	2-1/2"	5-1/2"	.243	.022	320	40030	
1"	2-1/2"	5-1/2"	.243	.022	320	40033	
1-1/8"	2-1/2"	5-1/2"	.243	.012	600*	40036	
1-1/8"	2-1/2"	5-1/2"	.243	.022	320	40039	
1-1/8"	2-1/2"	5-1/2"	.243	.022	120	40042	
1-1/4"	2-1/2"	5-1/2"	.243	.022	320	40045	
1-1/4"	2-1/2"	5-1/2"	.243	.022	120	40048	
1-1/2"	2-1/2"	5-1/2"	.243	.012	600*	40051	
1-1/2"	2-1/2"	5-1/2"	.243	.022	320	40054	
1-1/2"	2-1/2"	5-1/2"	.243	.040	80	40057	
1-3/4"	2-1/2"	5-1/2"	.243	.040	80	40060	
2"	2-1/2"	5-1/2"	.243	.012	600*	40063	
2"	2-1/2"	5-1/2"	.243	.022	320	40066	
2"	2-1/2"	5-1/2"	.243	.040	80	40069	
* A I	- O: J - Al	: NII					

\*Aluminum Oxide Abrasive Nylon

### **IMPORTANT**

Always operate a spiral brush in the same direction the stem is twisted. Rotating in the opposite direction may loosen the stem wire and cause the brush to fall apart.

### **Double Spiral Power Brushes**

Heavy duty double spiral, double-stem construction for added strength. Brushes come with galvanized steel stem unless otherwise mentioned.

					Carbon		Stainless	;	
Brush	Brush	Overall	Stem	Bristle	Steel	Stainless	Fill/Stem	Brass	Nylon
Dia.	Length	Length	Dia.	Dia.	Part #	Part #	Part #	Part #	Part #
1/4"	1-1/2"	4"	.070	.003	50005	50007	50008	50001	50003
1/4"	1-1/2"	4"	.070	.005	50015	50017	50018	50011	50013
5/16"	1-1/2"	4"	.070	.003	50025	50027	50028	50021	50023
5/16"	1-1/2"	4"	.070	.005	50035	50037	50038	50031	50033
3/8"	1-1/2"	4"	.070	.003	50045	50047	50048	50041	50043
3/8"	1-1/2"	4"	.070	.005	50055	50057	50058	50051	50053
7/16"	2"	5"	.110	.004	50065	50067	50068	50061	50063
7/16"	2"	5"	.110	.006	50075	50077	50078	50071	50073
1/2"	2"	5"	.110	.004	50085	50087	50088	50081	50083
1/2"	2"	5"	.110	.006	50095	50097	50098	50091	50093
9/16"	2"	5"	.145	.005	50105	50107	50108	50101	50103
9/16"	2"	5"	.145	.008	50115	50117	50118	50111	50113
5/8"	2"	5"	.145	.005	50125	50127	50128	50121	50123
5/8"	2"	5"	.145	.008	50135	50137	50138	50131	50133
11/16"	2"	5"	.145	.005	50145	50147	50148	50141	50143
11/16"	2"	5"	.145	.008	50155	50157	50158	50151	50153
3/4"	2-1/2"	5-1/2"	.165	.006	50165	50167	50168	50161	50163
3/4"	2-1/2"	5-1/2"	.165	.010	50175	50177	50178	50171	50173
13/16"	2-1/2"	5-1/2"	.165	.006	50185	50187	50188	50181	50183
13/16"	2-1/2"	5-1/2"	.165	.010	50195	50197	50198	50191	50193
7/8"	2-1/2"	5-1/2"	.165	.006	50205	50207	50208	50201	50203
7/8"	2-1/2"	5-1/2"	.165	.010	50215	50217	50218	50211	50213
15/16"	2-1/2"	5-1/2"	.165	.006	50225	50227	50228	50221	50223
15/16"	2-1/2"	5-1/2"	.165	.010	50235	50237	50238	50231	50233
1"	2-1/2"	5-1/2"	.165	.006	50245	50247	50248	50241	50243
1"	2-1/2"	5-1/2"	.165	.010	50255	50257	50258	50251	50253
1-1/16"	2-1/2"	5-1/2"	.165	.010	50265	50267	50268	50261	50263
1-1/8"	2-1/2"	5-1/2"	.165	.006	50275	50277	50278	50271	50273
1-1/8"	2-1/2"	5-1/2"	.165	.010	50285	50287	50288	50281	50283
1-1/4"	2-1/2"	5-1/2"	.165	.006	50295	50297	50298	50291	50293
1-1/4"	2-1/2"	5-1/2"	.165	.010	50305	50307	50308	50301	50303
1-3/8"	2-1/2"	5-1/2"	.165	.006	50315	50317	50318	50311	50313
1-3/8"	2-1/2"	5-1/2"	.165	.010	50325	50327	50328	50321	50323
1-1/2"	2-1/2"	5-1/2"	.165	.006	50335	50337	50338	50331	50333
1-1/2"	2-1/2"	5-1/2"	.165	.010	50345	50347	50348	50341	50343
1-3/4"	2-1/2"	5-1/2"	.165	.010	50355	50357	50358	50351	50353
1-3/4"	2-1/2"	5-1/2"	.165	.012	50365	50367	50368	50361	50363
2"	2-1/2"	5-1/2"	.165	.012	50375	50377	50378	50371	50373

# POWER BRUSH OPERATING RECOMMENDATIONS

- Spiral Power Brushes are manufactured for a standard drill with a clockwise rotation. Using a counter-clockwise rotation may cause the brush to fall apart.
- Avoid any load conditions and brush speeds that could cause the stem to bend or the brush to break.
- Guide the brush into the hole before starting the brush rotation.
- To reach into deeper holes, use drill extension rods instead of using a brush with a long stem length.

### **Double Spiral, Double-Stem**

Two layers of filament twisted between four stem wires, with each layer perpendicular to the other. This is the strongest spiral brush with the highest density of filament.



Power brush operators must comply with the Safety Standards of the Industrial Division of the American Brush Manufacturers Association and the American National Standards Institute ANSI B165.1 – 2000 Power–Driven Brushing Tools – Safety Requirements for Design, Care and Use. Appropriate clothing and equipment, including safety goggles or full face shields, must be used where there is a possibility of injury that can be prevented by such clothing and equipment. These requirements are not necessarily complete with respect to any particular application and common sense safety considerations should prevail. Any applicable federal, state or local law regulation must be strictly adhered to and is controlling over any recommendation contained herein.







Stainless steel single-stem with side tufts for power tool use. Provides a high degree of bristle stiffness with minimal flexing. Use for cleaning and polishing inner walls of tubes, cylinders and blind-threaded holes. Can also be used with brush holders listed below.

				Fill	Carbon	
Brush	Brush	Overall	Stem	Wire	Steel	Stainless
Dia.	Length	Length	Dia.	Dia.	Part #	Part #
1/4"	9/16"	2-1/8"	.070	.003	25003	27003
1/4"	9/16"	2-1/8"	.070	.005	25006	27006
5/16"	9/16"	2-1/8"	.070	.003	25009	27009
5/16"	9/16"	2-1/8"	.070	.005	25012	27012
3/8"	9/16"	2-1/8"	.070	.003	25015	27015
3/8"	9/16"	2-1/8"	.070	.005	25018	27018
3/8"	9/16"	2-1/8"	.070	.008	25021	27021
7/16"	9/16"	2-1/8"	.070	.003	25024	27024
7/16"	9/16"	2-1/8"	.070	.005	25027	27027
7/16"	9/16"	2-1/8"	.070	.008	25030	27030
1/2"	9/16"	2-1/8"	.070	.003	25033	27033
1/2"	9/16"	2-1/8"	.070	.005	25036	27036
1/2"	9/16"	2-1/8"	.070	.008	25039	27039
9/16"	5/8"	2-1/4"	.135	.003	25042	27042
9/16"	5/8"	2-1/4"	.135	.005	25045	27045
9/16"	5/8"	2-1/4"	.135	.008	25048	27048
5/8"	5/8"	2-1/4"	.135	.003	25051	27051
5/8"	5/8"	2-1/4"	.135	.005	25054	27054
5/8"	5/8"	2-1/4"	.135	.008	25057	27057
3/4"	5/8"	2-1/4"	.135	.003	25060	27060
3/4"	5/8"	2-1/4"	.135	.005	25063	27063
3/4"	5/8"	2-1/4"	.135	.008	25066	27066
7/8"	5/8"	2-1/4"	.135	.003	25069	27069
7/8"	5/8"	2-1/4"	.135	.005	25072	27072
7/8"	5/8"	2-1/4"	.135	.008	25075	27075
1"	5/8"	2-1/4"	.135	.003	25078	27078
1"	5/8"	2-1/4"	.135	.005	25081	27081
1"	5/8"	2-1/4"	.135	.008	25084	27084
1-1/8"	5/8"	2-1/4"	.135	.003	25087	27087
1-1/8"	5/8"	2-1/4"	.135	.005	25090	27090
1-1/8"	5/8"	2-1/4"	.135	.008	25093	27093
1-1/4"	5/8"	2-1/4"	.135	.003	25096	27096
1-1/4"	5/8"	2-1/4"	.135	.005	25098	27098
1-1/4"	5/8"	2-1/4"	.135	.008	25099	27099



### **Brush Holders for Side Action Brushes**

When attached to a side action brush, it slightly reduces bristle trim length for a stiffer, more aggressive brush action that can be driven at a higher RPM.

Brush	Holder	Overall		
Stem Dia.	Shank Dia.	Length	Part #	
.070"	1/4"	3-1/8"	27001	
.135"	3/8"	3-3/8"	27002	

### **Condenser Tube Brushes**

### Single Spiral, Double-Stem with a Threaded Shank (Nipple)

Galvanized steel stem. Overall length is 2-3 inches longer than brush length.

Brush	Brush	Female	Male	Stain	less	Brass		Nylor	ı±
Dia.	Length	Thread	Thread	Dia.	Part #	Dia.	Part#	Dia.	Part #
1/4"	3"	8-32	8-32	.005	47003+	.004	41003+	.014	43003+
3/8"	4"	12-24	8-32	.005	47006+	.004	41006+	.016	43006+
7/16"	4"	12-24	1/4"-28	.005	47009+	.005	41009+	.016	43009+
1/2"	4"	12-24	1/4"-28	.006	47012+	.005	41012+	.018	43012+
9/16"	4"	12-24	1/4"-28	.006	47015+	.005	41015+	.018	43015+
5/8"	4"	12-24	1/4"-28	.006	47018+	.005	41018+	.018	43018+
11/16"	4"	12-24	1/4"-28	.006	47021+	.006	41021+	.020	43021+
3/4"	4"	12-24	1/4"-28	.006	47024+	.006	41024+	.020	43024+
13/16"	4"	12-24	1/4"-28	.007	47027+	.006	41027+	.020	43027+
7/8"	4"	12-24	1/4"-28	.007	47030+	.008	41030+	.022	43030+
15/16"	4"	12-24	1/4"-28	.009	47033+	.008	41033+	.022	43033+
1"	4"	12-24	1/4"-28	.009	47036+	.008	41036+	.022	43036+
1-1/4"	4-1/2"		1/4" NPT	.007	47039	.006	41039	.018	43039*
1-1/2"	4-1/2"		1/4" NPT	.007	47042	.006	41042	.020	43042*
1-3/4"	4-1/2"		1/4" NPT	.007	47045	.006	41045	.020	43045*
2"	4-1/2"		1/4" NPT	.009	47048	.008	41048	.022	43048*
2-1/4"	4-1/2"		1/4" NPT	.009	47051	.008	41051	.025	43051*
2-1/2"	4-1/2"		1/4" NPT	.009	47054	.008	41054	.025	43054*
2-3/4"	4-1/2"		1/4" NPT	.012	47057	.008	41057	.028	43057*
3"	4-1/2"		1/4" NPT	.013	47060	.008	41060	.036	43060*
3-1/2"	4-1/2"		1/4" NPT	.013	47063	.012	41063	.036	43063*
4"	4-1/2"		1/4" NPT	.016	47066	.012	41066	.036	43066*
		C: 1 C:							

‡Nylon Brushes are Single-Stem

### Double Spiral, Double-Stem with a Threaded Shank (Nipple)

Built to handle the toughest jobs. Heavy galvanized steel stems with very dense wire fill. Overall length is 7-3/4" - 8".

Brush	Brush	Female	Male	Carbon	Steel	Stainles	s Steel
Dia.	Length	Thread	Thread	Dia.	Part #	Dia.	Part #
1/2"	4-1/2"	12-24				.006	67003
3/4"	4-1/2"	12-24				.006	67007
1"	4-1/2"	12-24				.009	67009
1"	4-1/2"		1/4" NPT	.012	65009		
1-1/4"	4-1/2"		1/4" NPT	.013	65012	.009	67012
1-1/2"	4-1/2"		1/4" NPT	.013	65015	.009	67015
1-3/4"	4-1/2"		1/4" NPT	.013	65018	.009	67018
2"	4-1/2"		1/4" NPT	.013	65021	.009	67021
2-1/4"	4-1/2"		1/4" NPT	.013	65024	.009	67024
2-1/2"	4-1/2"		1/4" NPT	.013	65027	.009	67027
2-3/4"	4-1/2"		1/4" NPT	.014	65030	.013	67030
3"	4-1/2"		1/4" NPT	.014	65033	.013	67033
3-1/4"	4-1/2"		1/4" NPT	.014	65036	.013	67036
3-1/2"	4-1/2"		1/4" NPT	.018	65039	.013	67039
3-3/4"	4-1/2"		1/4" NPT	.018	65042	.016	67042
2-1/4" 2-1/2" 2-3/4" 3" 3-1/4" 3-1/2"	4-1/2" 4-1/2" 4-1/2" 4-1/2" 4-1/2" 4-1/2"		1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT 1/4" NPT	.013 .013 .014 .014 .014	65024 65027 65030 65033 65036 65039	.009 .009 .013 .013 .013	67024 67027 67030 67033 67036 67039

### **Duct and Flue Brushes**

A heavy-duty galvanized steel double-stem filled with tempered steel or a single-stem filled with durable polypropylene.

Brush Brush		Overall	Male	Double S Tempere	•	Single Spiral Polypropylene	
Dia.	Length	Length	Thread	Dia.	Part #	Dia.	Part #
5"	4-1/2"	7"	1/4" NPT	.018	85003	.060	84003
6"	4-1/2"	7"	1/4" NPT	.018	85006	.070	84006
7"	4-1/2"	7"	1/4" NPT	.023	85009	.070	84009
8"	4-1/2"	7"	1/4" NPT	.023	85012	.078	84012
10"	4-1/2"	7"	1/4" NPT	.029	85015	.078	84015
12"	4-1/2"	7"	1/4" NPT	.029	85018	.078	84018
Additio	nal sizes ca	ın be made.					

### Single Spiral, Double-Stem



One layer of filament twisted between doublestem wires, for added strength.



### **Double Spiral, Double-Stem**

Two layers of filament twisted between four stem wires, with each layer perpendicular to the other. This is the strongest spiral brush with the highest density of filament.



<sup>\*5&</sup>quot; Brush Length

<sup>+</sup>Order with F for Female



86018			
86021/86027			
86024			
86030/86036	_		
86062/86063	2000334188	8888888	86069
86072	86074		86076





### Handles and Extension Rods for Threaded Brushes

Handles	Part #
Wire-formed handle for 8-32 extension rod	86047
T-handle for 12-24 extension rods	86048
T-handle for 1/4-28 extension rod	86051
T-handle for 1/4 NPT extension rods	86052

	Male/	Overall			
Thread	Female	Dia.	Length	Material	Part #
Extension R	ods				
8-32	M & F	3/16"	24"	Steel	86018
12-24	M & F	5/16"	24"	Aluminum	86021
12-24	M & F	5/16"	36"	Aluminum	86027
1/4-28	M & F	1/4"	36"	Steel	86024
1/4" NPT	M & F	3/8"	36"	Fiberglass	86030
1/4" NPT	M & F	3/8"	48"	Fiberglass	86036
Semi-Flexible	e Twisted Steel Ext	ension Rods			
1/4" NPT	M & F	3/8"	60"	Steel	86062
1/4" NPT	M & F	3/8"	72"	Steel	86063
Pull Ring Fo	r 1/4 NPT Brushes				
1/4" NPT	Female	1/2" Dia.	Pull Ring	Steel	86069
Adaptors Fo	r Threaded Brushe	es			
8-32	Female to 8-32	Female		Aluminum	86072
1/4-28	Male to 12-24 M	Male		Aluminum	86074
1/4-28	Female to 12-2	4 Male		Aluminum	86076

### **Radiator Brushes**

Long spiral brushes with wood handle for cleaning coils, springs, registers, radiators and anywhere that requires an extended reach.

Brush Dia.	Brush Length	Overall Length	Fill Material	Handle Length	Part #
2"	5"	30-1/2"	.014 Crimped Nylon	4"	446266-1
2"	5"	30-1/2"	Horse hair	4"	499266-4

### **Spoke Brush**

Pointed end spoke brush for any hard-to-reach auto detailing. Twisted-in-wire brush with tampico bristles and hardwood handle.

Brush	Brush	Overall	Fill	Handle	
Dia.	Length	Length	Material	Length	Part #
3"	11"	16"	Tampico	5"	M578340
2"	6"	11"	Tampico	5"	M578350

### **Refrigeration and Plumbing Brushes**

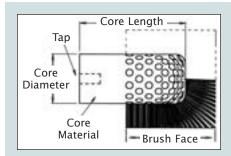
Tube/Fitting brushes are double spiral, double-stem with stainless steel wire, galvanized steel stems and a plastic grip.

Refrigeration Plumbing		Brush	Overall	Wire	Stainless	
OD	ID	Dia.	Length	Length	Dia.	Part #
1/4"	1/8"	9/32"	1-1/4"	6-5/8"	.005	84103
3/8"	1/4"	7/16"	1-1/4"	6-5/8"	.006	84106
1/2"	3/8"	9/16"	1-1/4"	6-5/8"	.006	84109
5/8"	1/2"	11/16"	1-1/4"	6-5/8"	.006	84112
3/4"	5/8"	13/16"	1-1/4"	6-5/8"	.006	84115
7/8"	3/4"	15/16"	1-1/4"	6-5/8"	.006	84118
1-1/8"	1"	1-3/16"	1-1/4"	6-5/8"	.008	84121
1-3/8"	1-1/4"	1-7/16"	1-1/4"	6-5/8"	.008	84224
1-5/8"	1-1/2"	1-3/4"	1-1/4"	6-5/8"	.009	84227
2-1/8"	2"	2-1/4"	1-1/4"	6-5/8"	.009	84229

### 4-in-1 Double-Ended Tube/Fitting Brushes

High carbon steel single spiral, single-stem with a plastic handle.

Tube/Fitting	Brush	Brush	Overall	Wire	
Size (OD)	Dia.	Length	Length	Dia.	Part #
1/2", 3/4"	9/16", 13/16"	1"	7-1/2"	.006	84303
7/8", 11/16"	11/16", 15/16"	1"	7-1/2"	.006	84306





### **BORE BRUSHES**

Bore Brushes are hand or machine-operated, large diameter blind hole brushes that are designed to clean both the wall and the bottom of a hole. They are used when a spiral brush is not strong enough or thick enough to provide sufficient abrasion.

Basic sizes are listed below. Other sizes are available upon request.

### **Small Nylon Bore Brushes**

Core material is HDPE, with a diameter of 1-1/4", and length of 3-5/16". The tap is 1/4-20 UNC.

Part #	<b>Brush Diameter</b>	<b>Brush Face</b>	Fill Material
900565-2.5	2-1/2"	2-7/16"	.004 Nat. crimped 6.12 Nylon
900565-3.5	3-1/2"	2-11/16"	.008 Black crimped 6.6 Nylon
900565-5	5"	3-1/16"	.020 Black crimped 6.6 Nylon
900565-6.5	6-1/2"	3-7/16"	.028 Black level 6.6 Nylon



### **Large Nylon Bore Brushes**

Core material is PVC, with a diameter of 3", and a length of 5-1/8". The tap is 1/2-13 UNC.

Part #	<b>Brush Diameter</b>	<b>Brush Face</b>	Fill Material
900674-6	6"	4"	.014 Black crimped 6.6 Nylon
900674-7	7"	4-1/8"	.025 Black crimped 6.6 Nylon
900674-8	8"	4-1/4"	.028 Black level 6.6 Nylon
900674-9	9"	4-5/16"	.040 Black level 6.6 Nylon



### **Stainless Steel Bore Brushes**

Core material is PVC with a diameter of 1-1/2" and a length of 5". The tap is 1/2 NPT.

Part #	<b>Brush Diameter</b>	<b>Brush Face</b>	Fill Material
900997-2.5	2-1/2"	5-1/8"	.006 Stainless steel
900997-3.5	3-1/2"	5-1/2"	.010 Stainless steel
900997-4.5	4-1/2"	5-3/4"	.018 Stainless steel
900997-5.5	5-1/2"	6"	.020 Stainless steel



### Static Dissipative Bowl Brush

Static dissipative acetal handle bowl brush with static dissipative 6.12 Nylon filament has a diameter of 1". Brush is useful in situations where dust and static electricity are a concern. Brush materials have good chemical resistance. Static dissipative 6.12 Nylon material meets FDA 21 CFR 177.1632.

Part #	<b>Brush Diameter</b>	<b>Brush Length</b>	Overall Length
♦ 901820	3 "	6 "	16"



### **Static Dissipative Vat Brush**

Typically used in vats where any type of spark could cause an explosion. Static dissipative acetal core has a 1-1/2" diameter, is 5" in length and has a 1/2" NPT threaded hole. Brush materials have good chemical resistance. Static dissipative 6.12 Nylon material meets FDA 21 CFR 177.1632.

Part #	<b>Brush Diameter</b>	Trim	Overall Length
◆ 901724	5-1/2"	2 "	9-1/2"



**Speed Sweep® 3/8" Stud**Extremely strong, long-lasting wood and steel handles for steel-backed floor brushes, deck scrubs, and floor squeegees.

Part #	Description	Size
M190300	All steel handle	59" x 1"
M191000	Wood and steel handle	59" x 15/16"
M190400	All wood handle for M403151, M403161	48" x 15/16"
M190500	All steel handle for M403130	48" x 15/16"
M191200	2 piece sectional handle, top wood, bottom steel	59" x 1"



Ideal for hygienic applications where the pores of wood handles and the corrosion of steel handles are unacceptable.

Part #	Description	Size
M195615	HySweep™ handle with compression collar	60" x 1"
M197300	Fiberglass handle with ACME thread	36" x 15/16"
M197500	Fiberglass handle with ACME thread	60" x 15/16"
M197511	Fiberglass and steel handle with 3/8" stud	60" x 15/16"



Self-locking handle that will not strip. Handle is intended for use with ACME threaded brooms or squeegees.

Part #	Description	Size
M190700	All wood handle with ACME thread	48" x 15/16"
M194100	Wood with metal ACME threaded handle	60" x 15/16"
M194300	All steel handle with ACME thread	60" x 15/16"

### **Tapered**

Tapered end allows for easy attachment and removal of compatible brushes and brooms.

Part #	Description	Size
M191100	All wood tapered handle	60" x 1-1/8"



Adjustable handle allows liquid to flow through the center of the handle and exit through a cleaning device such as a brush head.

Part #	Description	Size
M194800	Padded extension handle, ACME thread	48"-96"





### **BROOMS**

No other broom comes close to matching the unique features of the Speed Sweep system. A steel back is placed over the brush block and crimped permanently onto the block. Steel rivets are then fastened through the entire block to secure the adjustable steel socket. Use handle M19100 or other handles with a 3/8" stud.

### Fine Duty Polypropylene—For Smooth Surfaces

Sweeps light dust and dirt. Gives extremely long wear. Careful blend of straight and crimped polypropylene creates a superior brush.

Part #	Fill Material	Trim	Size
M233180	Polypropylene	3"	18"
M233240	Polypropylene	3"	24"
M233360	Polypropylene	3"	36"



Full body and split tip of each bristle cleans dust and dirt from polished floors to smooth concrete. Ideal for smooth surface sweeping.

Part #	Fill Material	Trim	Size
M236180	Flagged PVC	3"	18"
M236240	Flagged PVC	3"	24"
M236360	Flagged PVC	3"	36"

### **Medium Duty Polypropylene—For Average Surfaces**

Straight polypropylene will not mat or tangle while sweeping a variety of debris. Brush is not harmed by water, chemicals or grease and is extremely long wearing.

Part #	Fill Material	Trim	Size	
M231180	Polypropylene	3-1/4"	18"	
M231240	Polypropylene	3-1/4"	24"	
M231360	Polypropylene	3-1/4"	36"	

### **Stiff Center-Fine Border—For Average Surfaces**

Stiff center moves stubborn debris; fine border sweeps dust and dirt.

Part #	Fill Material	Trim	Size	
M232180	Polypropylene	3"	18"	
M232240	Polypropylene	3"	24"	
M232360	Polypropylene	3"	36"	

### **Heavy Duty Polypropylene—For Rough Surfaces**

Straight, stiff bristles move heavy debris. Resists abrasion, grease, oils, acids and alkalis.

Part #	Fill Material	Trim	Size
M230180	Polypropylene	4"	18"
M230240	Polypropylene	4"	24"
M230360	Polynronylene	4"	36"

### Wire Center-Tampico, Horsehair, Patent Border

Center row of steel wire moves paper, metal and scraps which other brushes miss. Tampico, horsehair and patent border keeps dust from rising into the air. Ideal for difficult sweeping situations.

Part #	Fill Material	Trim	Size
M217240	Wire center, tampico, horsehair, patent	3-1/4"	24"

### Heavyweights™ Street Push Brooms

Rugged construction allows brushes to tackle heavy debris. Requires M191100 tapered handle.

Part #	Fill Material	Color	Trim	Size	
M338180	Extra stiff polypropylene	Yellow	4"	18"	
M339180	Extra stiff polypropylene	Brown	5"	18"	

### Static Dissipative Broom

23" wide push broom is made with an oval channel, filled with yellow static dissipative 6.12 Nylon. A 5-foot steel handle is available. Recommended for use in static sensitive areas for static-free sweeping.

Part #	Fill Material	Trim
	.015/.022 Static dissipative Nylon	3-1/2"
▲901735H	5 Foot steel handle	N/A































### Straight Heavy Duty

Manufactured with heavy gauge zinc-plated steel back. Genuine neoprene blade has excellent wearing qualities. Steel handle accepts any Speed Sweep® bolt-in handle with 3/8" stud, all steel #M190300 handle recommended.

Part #	Description	Part #	Description
M602510	18" Straight heavy duty	M602590	18" Refill blade
M602520	24" Straight heavy duty	M602610	24" Refill blade
M602530	30" Straight heavy duty	M602620	30" Refill blade
M602540	36" Straight heavy duty	M602660	36" Refill blade

### **Curved Heavy Duty**

Heavy gauge steel back is curved for water retention. Neoprene squeegee blade is chemical and abrasion resistant. Steel socket accepts any Speed Sweep® bolt-in handle with 3/8" stud. All-steel handle #M190300 recommended.

Part #	Description	Part #	Description
M623240	24" Curved heavy duty	M602610	24" Refill blade
M623300	30" Curved heavy duty	M602620	30" Refill blade
M623360	36" Curved heavy duty	M602660	36" Refill blade

### Moss Rubber in Steel Housing

Flex Squeegy<sup>™</sup> has a soft blade that works well on smooth and textured floors. Double blade dramatically reduces floor drying time. Blades are closed-cell foam material commonly called "moss." Requires handle #M191000, #M190300 or #M191200 sectional handle with 3/8" stud.

Part #	Description
M625182	18" Moss double blade with heavy socket
M625242	24" Moss double blade with heavy socket
M625300	30" Moss double blade with heavy socket
M625360	36" Moss double blade with heavy socket

### Flip Flop®

Socket attachment allows for forward and backward strokes. Blade is split down the middle for double scraping surface and faster drying. Accepts any Speed Sweep® handle with 3/8" stud.

Part #	Description	Part #	Description
M629180	18" Aluminum Flip Flop®	M628180	18" Refill blade
M629240	24" Aluminum Flip Flop®	M628240	24" Refill blade

### Moss Flip Flop<sup>®</sup>

Combines features of moss rubber with popular Flip Flop® style. Unique socket allows for both backward and forward motion, while the moss rubber blade leaves the surface especially dry. Accepts handle #M190300, #M191000 or #M191200 sectional handle.

Part #	Description
M649180	18" Moss rubber
M649240	24" Moss rubber

### **Hygienic Moss**

Can be used in food processing, food service, laboratories, healthcare, or anywhere hygienic cleaning tools are required. Polypropylene housing holds a moss rubber squeegee blade. Has unique handle socket with a compression lock system for secure attachment. Requires HySweep™ #M195615 (fiberglass) handle.

Part #	Description	
M645160	16" Moss	
M645240	24" Moss	

### **Speedy Corn®**

Sturdy polypropylene "corn" bristles are long wearing, washable and impervious to chemicals. Will not break or shed. Bristles are heat sealed, then riveted into a metal cap. Steel band retains bristle shape.

Part #	Description	Handle	Color	Trim
Moderate	Stiffness:			
M437060	Straight polypropylene	Wood	Tan	7-1/4"
M437063	Straight polypropylene	Steel	Tan	7-1/4"
M437314	Angled polypropylene	Wood	Tan	7-3/4-9"
M437315	Angled polypropylene	Steel	Tan	7-3/4-9"
Stiff:				
M437050	Straight polypropylene	Wood	Yellow	7-1/4"
M437053	Straight polypropylene	Steel	Yellow	7-1/4"
M437310	Angled polypropylene	Wood	Yellow	7-3/4-9"
M437313	Angled polypropylene	Steel	Yellow	7-3/4-9"



### **Speedy Corn® Heavy Duty**

Extra stiff brown polypropylene is longer wearing and chemical resistant. Bristles are heat sealed, then riveted into a metal cap. Steel band retains bristle shape.

Part #	Description	Handle	Color	Trim
M437100	Extra stiff polypropylene	Wood	Brown	8"
M437110	Extra stiff polypropylene with chisel	Wood	Brown	8"



### **Upright Brooms**

Wide variety of uses from warehouse and shop use to food processing and industry. Small size allows for excellent sweeping capabilities in restricted areas.

Part #	Description	Handle	Color	Trim	Size
M403130	Heavy duty steel back	M190500	Black	5-1/2"	11"
M403180	Average duty plastic block	M190700	Black	5-1/2"	9"
M403161	Flagged light duty with steel swivel socket	M190400	Grey	3-1/4"	9"
M403151	Average duty with steel swivel socket	M190400	Black	3-1/4"	9"



### **Scrub Tex® Deck Scrubs**

Short trimmed, stiff-bristled scrubbing brushes come in a variety of styles from steel-backed push brooms, to plastic block with swivel handle attachments, to grit scrubs for added scrub ability.

Part #	Description	Handle	Trim	Size
M235140	Extra stiff polypropylene w/steel back	Any 3/8" stud	1-1/2"	14"
M335100	Stiff brown polypropylene w/wood block	M191100	2"	10"
M335210	3 surface white polyprop. w/molded block	Any ACME thread	1-3/4"	10"
M335211	3 surface blue polyprop. w/molded block	Any ACME thread	1-3/4"	10"
M335310	3 surface blue polyprop. scrub w/squeegee	Any ACME thread	1-3/4"	10"
M336100	Nylon grit deck/floor scrub w/U-joint swivel	Any ACME thread	1"	9"
M336110	Polyprop. deck/floor scrub w/U-joint swivel	Any ACME thread	1-1/4"	9"





### **Utility Brushes**

Durable brushes for a wide variety of industrial applications.

Part #	Description	Color	Size
901661	Crimped brass in hardwood block	Brass	9"
900422	Crimped Nylon in plastic block	White	9"
M582010	Crimped polypropylene in polypropylene foam block	White	9"
M583010	Crimped polypropylene in polypropylene block	White	20"
M572010	Crimped polypropylene in foam polypropylene block	Black	9"
M573010	Crimped polypropylene in foam polypropylene block	Black	20"
M582040	Nylon staple set into solid polypropylene block	White	9"
M583040	Nylon staple set into solid polypropylene block	White	20"
M577010	Tampico with hardwood block	Black	9"
M578010	Tampico with hardwood block	Black	20"
M576014	Polypropylene Swiss style	Yellow	6"
M576020	Nylon Swiss style	White	6"





### **Wash Brushes**

Hard working wash brushes with durable polypropylene brush blocks are ideal for vehicle maintenance. Brushes require flow-thru handle #M194800 or ACME threaded handle if flow-thru handle is not needed.

Part #	Description	Fill	Trim
M492350	10" oblong brush	Green Nylon	2-1/2"
M492340	10" oblong brush	White polystyrene	2-1/2"
M335430	10" multi level brush	Gray Mastersweep	2-1/2"
M335440	10" multi level brush	Green Nylon	2-1/2"



### Hygienic

Cleaning tools designed for use in the food industry. All components are completely hygienic.

Part #	Description	Size	
M593450*	Small Nylon tank brush	4-1/2" x 7-1/2"	
M593460*	Large Nylon tank brush	5-1/2" x 10"	
M585030	Nylon nail brush	3"	
M585050	Flexible scrub brush	5"	
M575050	Dish brush with end tuft		

<sup>\*</sup>Requires handle #M197300 or #M197500



### **Bowl Brushes**

Non-scratching, long lasting brush bristles are chemical and solvent resistant.

Part #	Description	Size	
M571020	Vinyl-coated bowl brush, polypropylene bristles	20"	
M571050	Polypropylene staple-set bowl brush	15"	



### Speedy Mop™

Constructed with plated steel components to withstand rigorous use. Sponge head is genuine cellulose. Vinyl wringer rollers squeeze dirt and water out of the sponge head. Wringer located half way up steel handle for easy wringing.

Part #	Description	Size	
M660210	Complete mop	10"	
M660220	Complete mop	12"	
M660240	Complete mop	14"	
M661210	Cellulose refill	10"	
M661220	Cellulose refill	12"	
M661240	Cellulose refill	14"	

### eMOP™

Heavy gauge aluminum shaft with high density rubber grip provides comfort and control. The wet mop's integrated reservoir holds 24 oz. of fluid that covers up to 3,200 square feet of floor space without refilling. Adjustable nozzle allows user to control solution flow, output volume and direction. Dry mop is best used for sweeping and dusting. Use with eMOP pads below.

Part #	Description	Size
M553100	eMOP Bucketless Floor Cleaning System	60"
M553101	eMOP flat mop with telescoping handle	35"-58"



### **eMOP Pads**

Microfiber pads feature a 70/30 split of polyester and Nylon. Wet pads have improved soil retention as well as increased water absorption. The rolled edge of the dry pad captures dust that typically evades standard flat pad edges. The scrub pad is available for the removal of stubborn soiling from the floor surface.

Part #	Description	Color	Size
M553102	eMOP wet pad	Green/Green piping	18"
M553103	eMOP wet pad	Green/White piping	18"
M553104	eMOP dry pad	Blue/Blue piping	18"
M553105	eMOP scrub pad	Yellow	18"



### **Dust Pans**

Impact-resilient plastic stays rigid but not brittle. Pan easily grips to broom or brush handles. Metal pan has a black enamel finish on heavy gage metal for rugged industrial use.

Part #	Description	Size
M445130	Small plastic	12"
M445120	Jumbo plastic	18"
M445140	Small metal	12"



### **Lobby Broom and Dust Pans**

Free-standing dust pans with or without wheels on the back that allow for greater wearability. Lobby broom clips to dust pan for easy storage.

Part #	Description	Size
M403201	6-1/2" lobby broom with stiff polypropylene bristles	36-1/2"
M445170	Lobby dust pan and handle combination on wheels	12"
M445180	Lobby dust pan and aluminum handle combination	12"



### **Feather Duster**

Genuine ostrich feathers attract and hold dust. Retractable plastic handle makes it quick and easy to reach difficult cleaning areas.

Part #	Fill Material
M550260	Ostrich feathers



### JEK BRUSHES—ABRASIVES, BUFFS, AND PUMICE











### **Buffs**

Designed for edge banding and buffing in wood or metal finishing industry. S-shaped design allows linen materials to keep constant pressure on band while removing any excess adhesive. End result is a clean, finished and bonded edge.

Part #	Description	Size
PB15050	S performance buff	150mm x 50mm
PB19040	S performance buff	190mm x 40mm

### **Dressing Sheets**

Aggressive material designed to true or shape both non-woven and abrasive Nylon filament brushes. Silicon carbide grit removes unwanted material from surface of cylinder brushes and exposes grit contained in brush.

Part #	Description	Size	Grit
TD1524-36	Black abrasive	15" x 24"	36

### **Hand Pads**

Non-woven material designed for general-purpose cleaning of metal surfaces.

Part #	Description	Size	Color
MHP47	General purpose	6" x 9"	Maroon

### **Tufted Cylinder Brushes**

Type 6.0 crimped natural Nylon staple set into high grade ABS plastic core. Low-density brush face helps reduce brush loading. Used primarily in printed circuit board industry. Other sizes available.

Part #	Outer diameter	Length	Inner Diameter
SCIS-24	3.15"	24.43"	1.475"
SCIS-31	3.15"	31"	1.475"

### **Bonded Disc Brushes**

Used primarily to condition surface of printed circuit boards and other metal surfaces. Layers of non-woven discs are compressed and formed around the center of brush. Brushes are manufactured with polyurethane bond increasing flexibility and maximizing brush life.

Part #	<b>Outer Diameter</b>	Length	Inner Diameter	Grit
BD27524-3	2.75"	24"	1"	300
BD35024-3	3.5"	24"	1"	300
BD35024-5	3.5"	24"	1"	500
BD37524-3	3.75"	24"	1"	300
BD37524-5	3.75"	24"	1"	500
BD40024-3	4"	24"	1"	300
BD40024-5	4"	24"	1"	500
BD41224-3	4"	24"	1.25"	300
BD41224-5	4"	24"	1.25"	500
BD50024-3	5"	24"	1.97"	300
BD50024-5	5"	24"	1.97"	500
BD60024-2S	6"	24"	2"	200

### **Bonded Flap Brushes**

Non-woven flaps extend outward from core of brush yielding refined and consistent finish to printed circuit boards and metal surfaces. Bonded Flap brushes manufactured with polyurethane bond increase brush life and create a flexible brushface.

Part #	<b>Outer Diameter</b>	Length	Inner Diameter	Grit
BF37524-3	3.75"	24"	1"	300
BF37524-5	3.75"	24"	1"	500
BF40024-3	4"	24"	1"	300
BF40024-5	4"	24"	1"	500
BF41224-3	4"	24"	1.25"	300
BF41224-5	4"	24"	1.25"	500
BF50024-3A	5"	24"	1.97"	300
BF50024-5D	5"	24"	1.97"	500
BF50030-3	5"	30"	1.97"	300
BF50030-5	5"	30"	1.97"	500
BF60030-3S	6"	30"	2"	300
BF60030-5	6"	30"	2"	500



### **Abrasive Nylon Brushes**

Heavy density and high quality abrasive Nylon filament brushes. Full face configurations provide even-surface scrubbing and deburring. Precision ground with diamond wheel ensuring uniform trim. Has an aluminum core and adapter.

Part #	<b>Outer Diameter</b>	Length	Inner Diameter	Grit
PAN36224-240	3.63"	24"	1"	240
PAN36224-320	3.63"	24"	1"	320
PAN36224-500	3.63"	34"	1"	500
PAN36230-240	3.63"	30"	1"	240
PAN36230-320	3.63"	30"	1"	320
PAN36230-500	3.63"	30"	1"	500
PAN41224-240	4"	24"	1.25"	240
PAN41224-320	4"	24"	1.25"	320
PAN41224-500	4"	24"	1.25"	500
PAN50024-240	5"	24"	1.97"	240
PAN50024-320	5"	24"	1.97"	320
PAN50024-500	5"	24"	1.97"	500
PAN50025-240	5"	25"	1.97"	240
PAN50025-320	5"	25"	1.97"	320
PAN50025-500	5"	25"	1.97"	500
PAN50030-240	5"	30"	1.97"	240
PAN50030-320	5"	30"	1.97"	320
PAN50030-500	5"	30"	1.97"	500
PAN56224-240	5.63"	24"	2"	240
PAN56224-320	5.63"	24"	2"	320
PAN56224-500	5.63"	24"	2"	500
PAN56230-240	5.63"	30"	2"	240
PAN56230-320	5.63"	30"	2"	320
PAN56230-500	5.63"	30"	2"	500
PAN56324-240	5.63"	24"	3"	240
PAN56324-320	5.63"	24"	3"	320



### **Spiral Wound Coil Brushes**

White type 6.0. Nylon brush is used for printed circuit board industry, specifically, in I.S. Pumice Machines. Density and filament configuration of brush provides for more efficient distribution of pumice onto the board surface maximizing brush life.

Part #	<b>Outer Diameter</b>	Length	Inner Dia.	Nylon Dia.
SWC24424-N	2.5"	24"	.75"	.014"
SWC31224-N	3.23"	25"	1.45"	.014"
SWC31224-N12	3.23"	25"	1.45"	.012"
SWC31224-NSS*	3.23"	25"	1.45"	.014"
SWC31231-N	3.23"	32"	1.45"	.014"
SWC31231-NSS*	3.23"	32"	1.45"	.014"
*Stainless Steel Ch	annel		ь.	



PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE
0036-0000016	0770-1000017	1CK14	2700128	30T4	426PB10	49917325	5019527	6052-0400018
0036-0020016	0770-1200017	1HH14	2700228	321BN5	426SS10	49917525	5019727	6052-0500018
0036-0030016	0790-0001217	1N14	2700328	321PBN5	4300329	49919825	5019827	6052-0600018
0036-0100016	0790-0002517	1S914	2700628	321SSN5	4300629	49919925	5020127	60B7
0036-0200016	0790-0003717	2003995	2700928	33BA6	4300929	49920125	5020327	60CK7
0036-0400016	0790-0005017	21B5	2701228	33CKA6	4301229	49922425	5020527	60HH7
0036-0600016	0790-0006217	21CS5	2701528	33HHA6	4301529	49922525	5020727	60SS7
0036-0800016	0790-0007517	21HH5	2701828	33NA6	4301829	49923725	5020827	6206-0100016
0036-1000016	0790-0100017	21HHLT5	2702128	33ND6	4302129	49923825	5021127	6206-0200016
0037-0200016	0790-0105017	21KIT5	2702428	33ND-0036	4302429	49924925	5021327	6206-0300016
0037-0400016	0906-0000018	21N5	2702728	33PA6	4302729	49926525	5021527	6206-0400016
0037-0600016	0906-0030018	21N-0165	2703028	33S9A6	4303029	499266-430	5021727	6206-0500016
0037-0800016	0906-0100018	21N-0205	2703328	33S9X6	4303329	499NAD14	5021827	6206-0600016
0037-1000016	0906-0200018	21N-020W-B5	2703628	33SDA6	4303629	499NP14	5022127	6500929
0100124	0906-0300018	21N-020W-R5	2703928	33SDX6	4303929	499S9X14	5022327	6501229
0100224	0906-0400018	21N-020W-W5	2704228	33SSA6	4304229	5000127	5022527	6501529
0100324	0906-0500018	21NLT5	2704528	33SSD6	4304529	5000327	5022727	6501829
0102124	0906-0600018	21PB5	2704828	33TIA6	4304829	5000527	5022827	6502129
0102224	0906-0700018	21SS5	2705128	33TID6	4305129	5000727	5023127	6502429
0102324	0906-0800018	220-210	2705428	3599949	4305429	5000827	5023327	6502729
0103124	0906-1000018	220-2110	2705728	36B4	4305729	5001127	5023527	6503029
0103224	0906-1200018	220-410	2706028	36CK4	4306029	5001327	5023727	6503329
0103324	0907-0000019	220-510	2706328	36HH4	4306329	5001527	5023827	6503629
0105124	0907-0030019	220-610	2706628	36N4	4306629	5001727	5024127	6503929
0105224	0907-0100019	220-910	2706928	36SS4	43112525	5001827	5024327	6504229
0105324	0907-0200019	221BN5	2707228	375NAD14	43210025	5002127	5024527	6700329
0107124	0907-0300019	221BPB5	2707528	375NP14	43210125	5002327	5024727	6700729
0107224	0907-0400019	221CKHH5	2707828	375S9X14	43211425	5002527	5024827	6700929
0107324	0907-0500019	221NN5	2708128	4000326	43212625	5002727	5025127	6701229
0109124	0907-0600019	221PBN5	2708428	4000626	433PSC11	5002827	5025327	6701529
0109224	0907-0800019	221SSB5	2708728	4000926	43514825	5003127	5025527	6701829
0109324	0987-0002516	221SSN5	2709028	4001226	43514925	5003327	5025727	6702129
0110124	0987-0003716	221SSSS5	2709328	4001526	43515125	5003527	5025827	6702429
0110224	0987-0005016	22BA6	2709628	4001826	43515225	5003727	5026127	6702729
0110324	0987-0007516	22CKA6	2709828	4002126	43517325	5003827	5026327	6703029
0111124	0987-0100016	22HHA6	2709928	4002426	43517525	5004127	5026527	6703329
0111224	0987-0105016	22NA6	28AL4	4002726	43520025	5004327	5026727	6703629
0111324	1005CK15	22ND6	28B4	4003026	43522525	5004527	5026827	6703929
0113124	1005HH15	22ND-0036	28CK4	4003326	43620025	5004727	5027127	6704229
0113224	1005S915	22PA6	28HH4	4003626	43622525	5004827	5027327	6999-0010018
0113324	1005SD15	22S9A6	28N4	4003926	43623725	5005127	5027527	6999-0020018
0114124	1010CK15	22S9X6	28SS4	4004226	43623825	5005327	5027727	6999-0040018
0114224	1010HH15	22SDA6	299991-5/169	4004526	43623925	5005527	5027827	6999-0060018
0114324	1010N15	22SDX6	299991CK9	4004826	43625025	5005727	5028127	7072N22
0115124	1010S915	22SSA6	299991HH9	4005126	43626525	5005827	5028327	7072P22
0115224	1010SB15	22SSD6	3000126	4005426	441CS8	5006127	5028527	727711
0115324	1010SD15	22TIA6	3000526	4005726	441SS8	5006327	5028727	81SS7
0116124	11AL316SS6	22TID6	3000726	4006026	441SS-3/48	5006527	5028827	8400329
0116224	11BA6	2310522	3001126	4006326	442CS8	5006727	5029127	8400629
0116324	11BP7	2310622	3001526	4006626	442SS8	5006827	5029327	8400929
0117124	11BP-0037	2311222	3001726	4006926	443B0069	5007127	5029527	8401229
0117224	11CKA6	2311322	3002126	402CS8	443CS8	5007327	5029727	8401529
0117324	11CKP7	2311422	3002526	403B8	443CS0069	5007527	5029827	8401829
0118124	11HHA6	2311522	3002726	403B0069	443SS8	5007727	5030127	8410330
0118224	11HHP7	2311622	3003126	403CK9	444B	5007827	5030327	8410630
0118324	11NA6	2312222	3003526	403CK-LT9		5008127	5030527	8410930
0120124	11ND6	2312322	3003726	403CS8	444CS8	5008327	5030727	8411230
0120224	11ND-0036	2312422	3004126	403CS0069	444CS0069	5008527	5030827	8411530
0120324	11NP7	2312522	3004526	403CSC8	444CSC8	5008727	5031127	8411830
0121124	11PA6	2314622	3004726	403CSE8	444CSE8	5008827	5031327	8412130
0121224	11PBP7	2314722	3005126	403CSP8	444CSP8	5009127	5031527	8422430
0121324	11S9A6	2314822	3005526	403HH9	444N9	5009327	5031727	8422730
0122124	11S9X6	2317122	3005726	403N9	444PB8	5009527	5031827	8422930
0122224	11SDA6	2317222 2317322	3006126	403PB8	444SS8 444SS0069	5009727 5009827	5032127 5032327	8430330
0122324 0123124	11SDX6 11SSA6	2317422	3006526 3006726	403SS8 403SS0069	444SSE8	500N11	5032527	8430630 8500329
0123224	11SSD6	2317522	3007126	403SSE8	444SSP8	500R11	5032727	8500629
0123324	11SSP7	2317622	3007526	4072A22	444T9	5010127	5032827	8500929
0130124	11SSP-0037	2317722	3007726	4072C22	446266-130	5010327	5033127	8501229
0130924	11TIA6	2317822	3008126	4100329	4477522	5010527	5033327	8501529
0132124	11TID6	2319022	3008526	4100629	4477622	5010727	5033527	8501829
0132524	14B7	2319122	3008726	4100929	4477722	5010827	5033727	8601830
0132924	14B-0037	2319222	3009126	4101229	4495022	5011127	5033827	8602130
0133324	14CK7	2319322	3009526	4101529	4495122	5011327	5034127	8602430
0133724	14HH7	2319422	3009726	4101829	4495222	5011527	5034327	8602730
0144124	14N7	2500328	3010126	4102129	4496222	5011727	5034527	8603030
0144524	14PB7	2500628	3010526	4102429	4496322	5011827	5034727	8603630
0144924	14SS7	2500928	3010726	4102729	4496422	5012127	5034827	8604730
0145324	14SS-0037	2501228	3011126	4103029	46B7	5012327	5035127	8604830
0145724	1501-0200019	2501528	3011526	4103329	46CK7	5012527	5035327	8605130
0146124	1501-0400019	2501828	3011726	4103629	46HH7	5012727	5035527	8605230
0146524	1501-0600019	2502128	3012126	4103929	46SS7	5012827	5035727	8606230
0146924	1501-0800019	2502428	3012526	4104229	4700329	5013127	5035827	8606330
0147324	1501-1000019	2502728	3012726	4104529	4700629	5013327	5036127	8606930
0147724	1501-1200019	2503028	3013126	4104829	4700929	5013527	5036327	8607230
0316-0200016	15999913	2503328	3013526	4105129	4701229 4701529	5013727	5036527	8607430
0316-0400016	159999CK13	2503628	3013726	4105429	4701829	5013827	5036727	8607630
0316-0600016	159999T13	2503928	3014126	4105729		5014127	5036827	86990310
0316-0800016	15A7	2504228	3014526	4106029	4702129	5014327	5037127	869903N10
0316-1000016	15B7	2504528	3014726	4106329	4702429	5014527	5037327	86990410
0316-1200016	15B-0037 15BL7	2504828	3015126	4106629	4702729 4703029	5014727	5037527	869904CK10
0611-0200018 0611-0400018	15BL-0037	2505128 2505428	3015526 3015726	414B8 414B0069	4703329	5014827 5015127	5037727 5037827	869904HH10 90004613
0611-0600018	15CK7	2505728	3016126	414CK9	4703629	5015327	6020-0100017	9001468
0611-0800018	15CKL7	2506028	3016526	414CS8	4703929	5015527	6020-0200017	90016213
0611-1000018	15HH7	2506328	3016726	414CS0069 414CSC8	4704229 4704529	5015727 5015827	6020-0300017 6020-0400017	90018312 900183L12
0611-1200018 0662-0005013	15HHL7 15N7	2506628 2506928	3017126 3017526	414CSE8	4704829	5016127	6020-0500017	900183T12
0662-0007513	15NL7	2507228	3017726	414HH9	4705129	5016327	6020-0600017	900183TL12
0662-0100013	15P7	2507528	3018126	414N9	4705429	5016527	6020-0700017	90042235
0689-0001219	15PB7	2507828	3018526	414N-0149	4705729	5016727	6020-0800017	90043115
0689-0002519	15PBL7	2508128	3018726	414PB8	4706029	5016827	6020-0900017	90043712
0689-0003719	15SS7	2508428	3019326	414PN9	4706329	5017127	6020-1000017	900437T12
0689-0005019	15SS-0037	2508728	3019526	414SS8	4706629	5017327	6020-1100017	90048821
0689-0007519	15SSL7	2509028	3019726	414SS-0069	484CSC8	5017527	6020-1200017	900488GH21
0689-0100019	15SSL-0037	2509328	3060-0102519	414SSE8	49909925	5017727	6021-0100017	900488N21
0770-0000017	187NAD14	2509628	30B4	414SSP8	49910125	5017827	6021-0200017	900488SD21
0770-0030017	187NP14	2509828	30CK4	414T9	49911225	5018127	6021-0300017	900488T21
0770-0100017	187S9X14	2509928	30HH4	426B10	49912325	5018327	6021-0400017	900492CK10
0770-0200017	18A4	250NAD14	30KIT4	426CK10	49912425	5018527	6021-0500017	900492HH10
0770-0300017	18B4	250NP14	30N4	426CKST10	49914825	5018727	6021-0600017	9005049
0770-0400017	18B-124	250S9X14	30N-0124	426CS10	49914925	5018827	6052-0100018	900565-2.531
0770-0600017	18N4 18SS4	2572D22	30PB4	426HH10	49915225	5019127	6052-0200018	900565-3.531
0770-0800017	10004	2572Q22	30SS4	426HHST10	49915325	5019327	6052-0300018	900565-531

PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE	PART # PAGE
900565-6.531	9100425	9504825	9802425	BT201N14	M23024033	M57601435	PAN56224-24039	TA64013
90062211	9100625	9505025	9802625	BT202B14	M23036033	M57602035	PAN56224-32039	TCB-024
900674-631	9100825	9505225	9802825	BT202G14	M23118033	M57701035	PAN56224-50039	TCB-1/224
900674-731	9101025	9505425	9803025	BT202N14	M23124033	M57801035	PAN56230-24039	TCB-1/424
900674-831	9101225	9505625	9803225	BT203G14	M23136033	M57834030	PAN56230-32039	TCB-1024
900674-931	9101425	9505825	9803425	BT203N14	M23218033	M57835030	PAN56230-50039	TCB-224
90074413 900855G20	9101625 9101825	9506025 9506225	9803625 9803825	BT204HH14 BT204N14	M23224033 M23236033	M58201035 M58204035	PAN56324-24039 PAN56324-32039	TCB-3/424 TCB-3/824
900855HH20	9102025	9506425	9804025	BT406SS14	M23230033	M58301035	PB1505038	TCB-424
900855N20	9102225	9506625	9804225	BT407SS14	M23324033	M58304035	PB1904038	TCB-5/1624
900997-2.531	9102425	9506825	9804425	BT606SS14	M23336033	M58503036	PC12B20	TCB-624
900997-3.531	9102625	9507025	9804625	BT706N14	M23514035	M58505036	PC12N20	TCB-7/1624
900997-4.531	9102825	9507225	9804825	BT706SS14	M23618033	M59345036	PC12SS20	TCB-824
900997-5.531	9103025	9507425	9805025	CDFP11	M23624033	M59346036	PTA61013	TCN-024
90119820	9103225	9700225	9805225	CDHD11	M23636033	M60251034	SCIS-2438	TCN-1/224
901198G20	9103425	9700425	9805425	CDHH11	M33510035	M60252034	SCIS-3138	TCN-1/424
901198HH20 90133220	9103625 9103825	9700525 9700825	9805625 9805825	CDT11 DB713	M33521035 M33521135	M60253034 M60254034	SST10B15 SST10CK15	TCN-1024 TCN-224
901332G20	9104025	9701025	9806025	EB14HH21	M33531035	M60259034	SST10CK15	TCN-224 TCN-3/424
901332HH20	9104225	9701525	9806225	EB14P21	M33543036	M60261034	SST10HH15	TCN-3/824
901336-10BR21	9104425	9701625	9806425	EB14SD21	M33544036	M60262034	SST10N15	TCN-424
901336-10SS21	9104625	9701725	9806625	EB14T21	M33610035	M60266034	SST10S915	TCN-5/1624
901336-16PK21	9104825	9701825	9806825	EB14TI21	M33611035	M62324034	SST10SS15	TCN-624
901336-16SD21	9105025	9702025	9807025	FTC-1620	M33818033	M62330034	SST10T15	TCN-7/1624
901350-016SD21	9105225	9702225	9807225	FTC-1820	M33918033	M62336034	SST12B15	TCN-824
90166135	9105425	9702425	9807425	FTC-2220	M40313035	M62518234	SST12CK15	TCS-024
901713G20	9105625	9702625	AB415	FTHB-1620	M40315135	M62524234	SST12G15	TCS-1/224
901713HH20 901713N20	9105825 9106025	9702825 9703025	AB4N15 AB515	FTHB-1820 FTHB-2220	M40316135 M40318035	M62530034 M62536034	SST12HH15 SST12N15	TCS-1/424 TCS-1024
901714G20	9106225	9703225	AB5N15	FTN-1620	M40320137	M62818034	SST12S915	TCS-224
901714HH20	9106425	9703425	AB815	FTN-1820	M43705035	M62824034	SST12SS15	TCS-3/424
901714N20	9106625	9703625	AL251HH14	FTN-2220	M43705335	M62918034	SST12T15	TCS-3/824
901715G20	9106825	9703825	AL251N14	FTRS-1620	M43706035	M62924034	SST2B15	TCS-424
901715HH20	9107025	9704025	AL437N14	FTRS-1820	M43706335	M64516034	SST2CK15	TCS-5/1624
901715N20	9107225	9704225	BD27524-338	FTRS-2220	M43710035	M64524034	SST2G15	TCS-624
901716G20	9107425	9704425	BD35024-338	FTSL-1620	M43711035	M64918034	SST2HH15	TCS-7/1624
901716HH20	9162CK10	9704625	BD35024-538	FTSL-1820	M43731035	M64924034	SST2N15	TCS-824
901716N20 901717G20	9162HH10 9162N10	9704825 9705025	BD37524-338 BD37524-538	FTSL-2220 FTWT-1620	M43731335 M43731435	M66021036 M66022036	SST2S915 SST2SS15	TD1524-3638 WA12B12
901717HH20	9500025	9705225	BD40024-338	FTWT-1820	M43731535	M66024036	SST2T15	WA12CK12
901717N20	9500525	9705425	BD40024-538	FTWT-2220	M44512037	M66121036	SST6B15	WA12HH12
90172431	9500625	9705625	BD41224-338	G130810	M44513037	M66122036	SST6CK15	WA12N12
90173533	9500825	9705825	BD41224-538	G1308B10	M44514037	M66124036	SST6G15	WA12SS12
901735H33	9501025	9706025	BD50024-338	G1308HH10	M44517037	MHP4738	SST6HH15	WA24CK12
901744PK21	9501225	9706225	BD50024-538	G1308N10	M44518037	PAN36224-24039	SST6N15	WA24HH12
901744PP21	9501425	9706425	BD60024-2S38	G1308SS10	M49234036	PAN36224-32039	SST6S915	WA68CK12
90182031	9501625	9706625	BF37524-339	M19030032	M49235036	PAN36224-50039	SST6SS15	WA68HH12
90550511	9501825 9502025	9706825 9707025	BF37524-539	M19040032 M19050032	M55003011 M55008011	PAN36230-24039	SST6T15 SST7HH15	WA7CK12 WA7G12
90650013 906500CK13	9502225	9707225	BF40024-339 BF40024-539	M19070032	M55009011	PAN36230-32039 PAN36230-50039	SST7N15	WA7HH12
906500HH13	9502425	9707425	BF41224-339	M19100032	M55026037	PAN41224-24039	SWC24424-N39	WB10CK12
906500S9X13	9502625	9800225	BF41224-539	M19110032	M55310037	PAN41224-32039	SWC31224-N39	WB10CN12
906500SDX13	9502825	9800525	BF50024-3A39	M19120032	M55310137	PAN41224-50039	SWC31224-N1239	WB10HH12
90650113	9502925	9800625	BF50024-5D39	M19410032	M55310237	PAN50024-24039	SWC31224-NSS39	WB10N12
90650213	9503225	9800825	BF50030-339	M19430032	M55310337	PAN50024-32039	SWC31231-N39	
906502CK13	9503425	9801025	BF50030-539	M19480032	M55310437	PAN50024-50039	SWC31231-NSS39	
906502HH13	9503625	9801225	BF60030-3S39	M19561532	M55310537	PAN50025-24039	TA60513	
90650313	9503825 9504025	9801425 9801625	BF60030-539 BT146HH14	M19730032	M57102036	PAN50025-32039 PAN50025-50039	TA61013 TA61513	
906503S9X13 906503SDX13	9504025	9801625	BT146HH14 BT146N14	M19750032 M19751132	M57105036 M57201035	PAN50025-50039 PAN50030-24039	TA62013	
90650511	9504425	9802025	BT201B14	M21724033	M57201035	PAN50030-24039	TA62513	
9100225	9504625	9802225	BT201HH14	M23018033	M57505036	PAN50030-50039	TA63013	
	1 2	1		, , , , , , , , , , , , , , , , , , , ,			,	

### **INDEX-BRUSHES BY CATEGORY**

BORE BRUSHES

ACID
Rolled Tin
Handles15
ANTI-STATIC
Applicator14.15
Block Brushes10
Chip Brushes-
Economy13
Counter Dusters .11
Dome Duster13
Dope Brush13
Long Handle
Plater's Brush9
Orange Stick12
Scratch-
Aluminum Handle
Hand Laced6
Scratch-2, 3, 4
and 5 Row4
Scratch-
60 Degree Hand
Laced7
Scratch-
Heavy Duty Hand
Laced7
Scratch-
Long Handle8
Scratch-
Plywood Handle
Hand Laced7
Scratch-
Shoe Handle
w/Scraper8
Scratch-
Shoe Handle8
Shank End-
Polishing21
Strip Brush22
Upright Brushes12

APPLICATOR Aluminum Handle
ARTIST Bristle-Black
BLOCK Fine-Filament10 Hand Scrub10 Large Block10

Long Block (Lag Brushes) .... Mushroom ......

Scratch..... Small Block

.....10 .....10 .....10

	BORE BRUSHES
	Large Nylon31
14	Small Nylon31
14	Stainless Steel 31
15	
	BRUSH HANDLES
13	Speed Sweep®
14	3/8" Stud32
	Fiberglass32
15	ACME Threaded32
12	Tapered32
	Flow-Thru32
14	
	CHIP BRUSHES
	Economy13
16	
17	CONDUCTIVE
18	BRUSHES
18	Aluminum Handle
16	Hand Laced6
19	Applicator14,15
	Heavy Duty
13	Vacuum Brush21
19	Specialty End-
16	Cleaning
19	Titanium21
17	Strip Brush22
18	Thunderon®12
18	
19	COUNTER
16	DUSTERS
16	Black Tampico11
	Brass35
	Brown
10	Polypropelene11
10	Flagged Plastic11
10	Horse Hair11
	Nylon35

Economy13	
•	FLOW-THRU
CONDUCTIVE	BRUSHES
BRUSHES	High Pressure20
Aluminum Handle	Luer Lock20
Hand Laced6	Small
Applicator14,15	Parts Wash20
Heavy Duty	
Vacuum Brush21	HYGIENIC ITEMS
Specialty End-	Hygienic Items 36
Cleaning	
Titanium21	INSTRUMENT
Strip Brush22	CLEANING
Thunderon®12	Instrument
	Cleaning13
COUNTER	
DUSTERS	JEK PRODUCTS
Black Tampico11	Buffs38
Brass35	Dressing Sheets38
Brown	Tufted Cylinder
Polypropelene 11	Brushes38
Flagged Plastic11	Bonded
Horse Hair11	Disc Brush38
Nylon35	Bonded
	Flap Brush39
LONG HANDLE	Abrasive
DUSTER	Filament Brush39
(Radiator)11	Spiral Wound
White Tampico11	
write rampico11	Coil Brush39

**DUST PANS** 

Small Plastic......37 Jumbo Plastic.....37 Small Metal.....37

Lobby Dust Pan ...37 Lobby Dust Pan with Wheels ......37

Bucketless Floor Cleaning System..37

FEATHER DUSTER Feather Duster....37

PLATER'S Curved Plastic9 Long Handle9 Narrow Curved Handle9 Shoe Handle9
POTASH HAND-TIED 100% Cotton9
SCRATCH BRUSHES 2, 3, 4
and 5 Row4,6,7,8 60 Degree
Hand Laced7 Aluminum Handle Hand Laced6
Block Style10 Contoured Plastic8 Delrin Handle
Hand Laced6 Double-Side5
Economy8 Flat Wood Handle w/Scraper8
Heavy Duty Hand Laced7
Long Handle8 Long Handle w/Scraper8
Long Plastic Handle8
Long Plywood Handle8 Hand Laced7
Tiana Laced

OVAL SASH

Oval Sash......

PARTS CLEANING

Parts Cleaning.....13

Long Trim	Heavy Weights™33 Wire Center- Tampico, Horsehair33 Static Dissipative .33  SPEEDY MOP™ Complete Mop36 Cellulose Refill36	#2.5 Channel Strip- Galvanized
w/Scraper8  SCRUBBING Fine Filament10	SQUEEGEES Straight	TWISTED IN WIRE BRUSHES Abrasive Micro2
Hand Scrub- Economy11	Heavy Duty34 Curved Heavy Duty34	Abrasive Single Spiral Power2
Jet Scrub11 Mushroom10	Moss Rubber in Steel Housing34	Condenser Tube .2 Double Spiral Double Stem2
Plastic Handle10,11 Rotary Pumice11	Hygienic Moss34 Flip Flop®34 Moss Flip Flop®34	Threaded Shank2 Double Spiral Power2
Deck Scrubs35  SPECIALTY	STATIC DISSIPATIVE	Duct and Flue2 Micro2
BRUSHES Orange Stick (Detail	Acetal Handle- Applicator14	Side Action- Paddle2
Flux Brush)12 Plastic Handle All-Purpose5	Acetal Handle Hand Laced6 Aluminum	Single Spiral Power2 Single Spiral2
Shank End21 T-Slot11	Handle6 Applicator	Thread Cleaning
Typewriter12  SPEED SWEEPS®	Brush	THUNDERON Applicator
Average Duty Polypropylene33 Fine Duty	Double-Ended Applicator15 Instrument	Brushes1
Polypropylene33 Gray Flagged PVC33	Cleaning13 Shank End21 Stainless Steel	UPRIGHT CLEANING Large1
Heavy Duty Polypropylene33 Stiff Center-Fine	Handle- Applicator15 Vacuum Brushes 21	Small
Border33	Vat Brush31	Stiff Duty

33 cive .33 pr36	#2.5 Channel Strip- Galvanized22 #4 Channel Strip- Galvanized22 #7 Channel Strip- Galvanized22 Channel Holders- Aluminum22
34 in  34 s34 s34 p*34	TWISTED IN WIRE BRUSHES Abrasive Micro24 Abrasive Single Spiral Power26 Condenser Tube .29 Double Spiral Double Stem29 Threaded Shank29 Double Spiral Power27 Duct and Flue27
14 6 6 6	Micro
d151321 l15 hes .2131	Brushes
	,

	Upright Broom 35  UTILITY BRUSHES Plastic/Nylon 11 Miscellaneous 35  VACUUM BRUSHES Acid-Resistant 21 Anti-Static 21 Heavy Duty 21 Miniature 21
	WASH BRUSH 10° Oblong36 Multi-Level36
!	



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Our turnaround times set us apart from the rest of the industry. As a U.S.-based manufacturer, we can offer same-day shipping on over 2,000 standard items. And we can deliver custom quotes at lightning speed—usually in one business day or less. Whether you need a standard brush or a custom solution, you can always count on Gordon Brush for bigger, better brush ideas.



Gordon Brush Mfg. Co., Inc.

6247 Randolph St., Commerce, CA 90040 USA ph: 1-800-950-7950 or 323-724-7777

FAX: 323-724-1111

email: sales@gordonbrush.com www.gordonbrush.com



