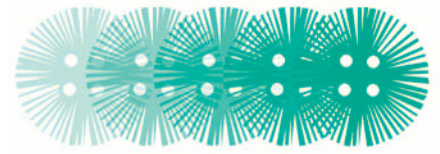


Schaefer Brush



Metal Back Strip Brushes

Section 14

Custom brushes can be made to your specifications. Call for details!

Metal back strip brush products can be found in industries performing tasks both simple and complex. The brushes can be simple in form such as straight strip or formed. All metal back strip brushes will have the following common attributes:

1. Metallic strip/backing

(Sizes ranging from #3 to #10 backing) See page 66. The metal strip is available in galvanized or stainless steel. The size backing typically works in harmony with the desired bristle diameter and density.

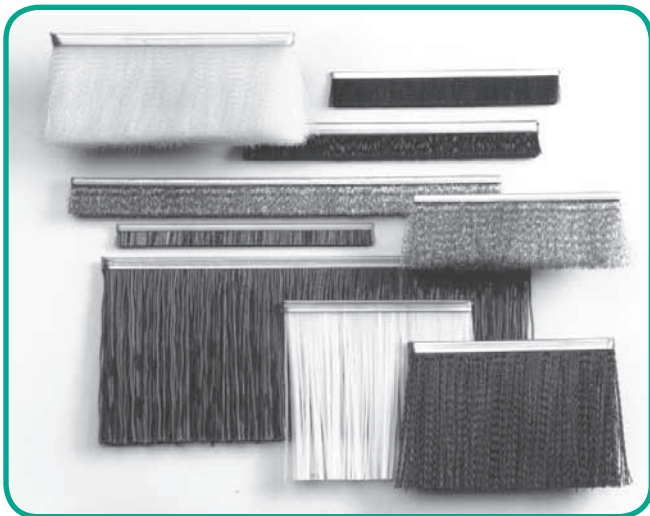
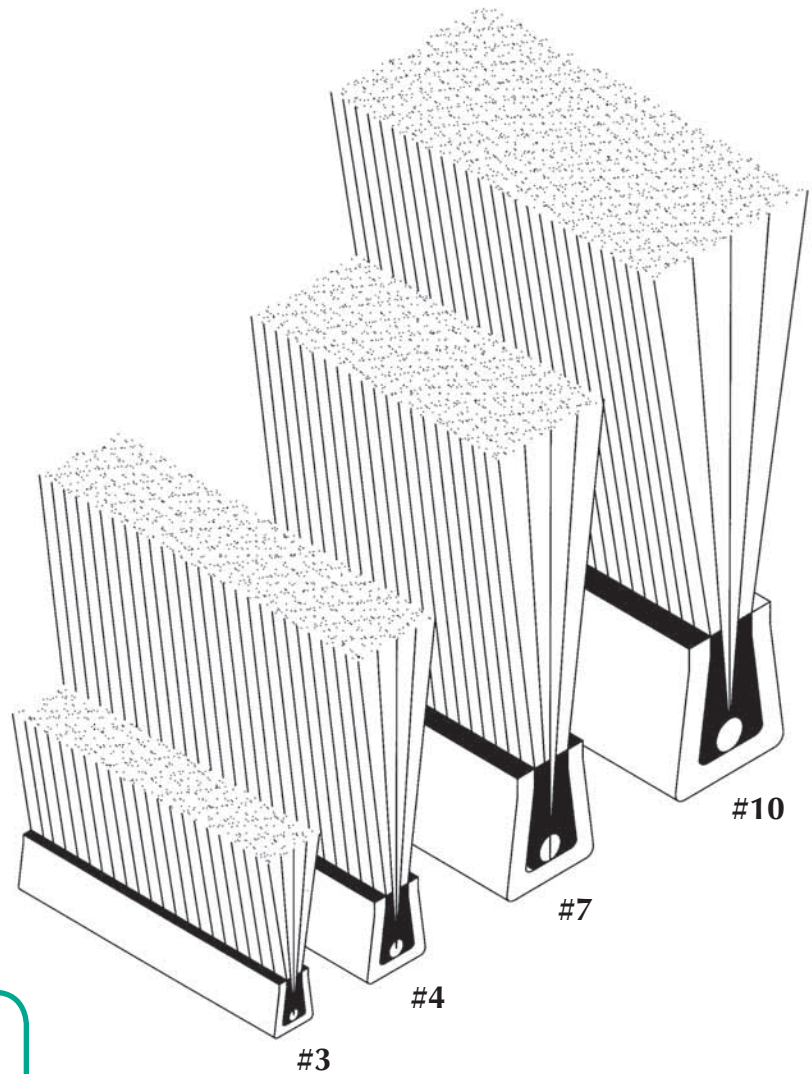
2. Core wire

Retaining wire within the formed metal strip is available in both galvanized or stainless steel.

3. Bristle styles

Some are more common than others but bristle choice can be tailored to your specific needs to assure the desired results.

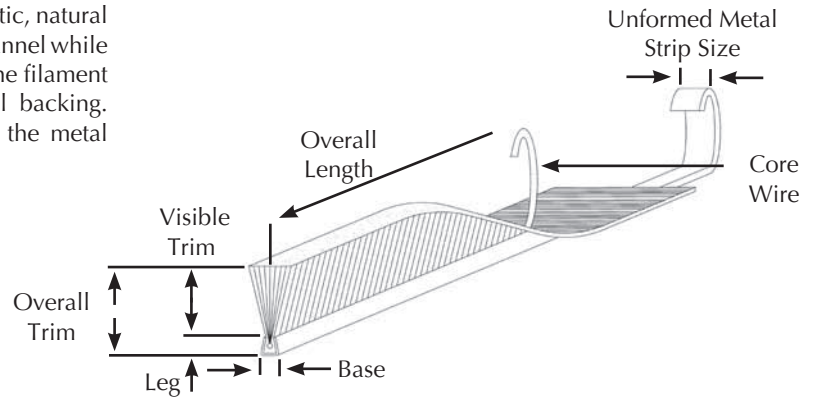
4. **Specialized geometries** (The shape shifter of the brush world) All metal back strip brushes start from straight strip. Due to the malleable nature of strip a variety of shapes can be formed.



Metal Back Strip Brushes



Metal Back Strip Brushes consist of densely compressed synthetic, natural bristles or wire filaments laid down over a continuous metal channel while being formed into a "U" shape. A core wire is inserted over the filament materials and forced down into the partially formed metal backing. The core wire causes the fill material to form vertically as the metal backing forms and closes over the core wire and filament.



Most Common Brush Seal

Applications Include:

Shields - Used effectively as a barrier, to contain flying debris such as wood chips on a router. Prevent liquids and mist sprays from escaping in a parts cleaning room or painting booth. Prevent penetration of smoke and fumes in small concentrated areas. Keep out insects and rodents. Control excess media from exiting areas that cannot be enclosed other than by brush seal.

Light Exposure - Reduce or eliminate the infiltration of light exposure in sensitive areas such as medical x-ray equipment, photographic darkrooms and film processing.

Air Flow - Highly effective in reducing air penetration and maintaining temperature control for both heating and cooling on all styles of commercial windows, doors and dock levelers.

Dirt/Dust - Prevent dirt and dust particle build up in machinery, buildings, clean rooms and filtration systems.

Cleaning - Used effectively to clean debris off conveyors, vegetables, machined parts, glass, circuit boards, paper products and film. The brush can be mounted stationary for continuous cleaning.

Sound/Noise - Seals gaps to reduce and dampen noise and sound transfer.

Containment - Used to position and contain parts on conveyor and transport systems to prevent parts from shifting or falling off conveyor.

Metal Back Strip Brush Shapes

<p>Helical</p>	<p>Internal Ring</p>	<p>External Ring</p>	<p>Formed Cup Brush</p>
<p>Formed Strip Brush</p>	<p>Straight</p> <p>See page 69</p>	<p>Coiled</p> <p>See page 77</p>	<p>Cylinders</p> <p>See page 72</p>

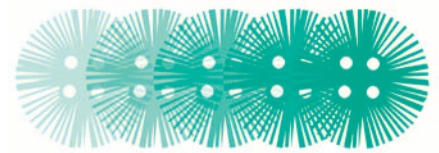


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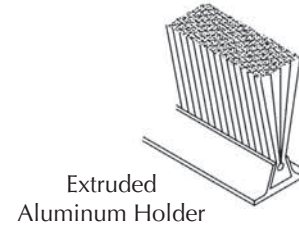
1101 S. Prairie Ave. PO Box 148 Waukesha, WI 53187
 Phone 262-547-3500 1-800-347-3501 Fax 262-547-3927
 Email brushes@schaferbrush.com www.schaferbrush.com

Mounting Methods

Metal back strip brushes can be mounted either by an alligator clip or an extruded aluminum holder. The prongs on the alligator clip wrap around the brush to allow a tight hold on a section of the strip brush. Metal back strip brushes slide into an extruded aluminum holder for mounting purposes. Aluminum holders are extruded in various end view shapes to match a specific application. See page 67 & 68.



Alligator Clip



Extruded Aluminum Holder

Trim Profile

Custom Trims Available!



Flat

Standard and most common trim shape.



Bevel

Reduces brush resistance and conforms to surface being brushed.



Shaved End

Made to utilize ends of strip as a mounting surface.



Offset

Less density at surface with back-up support.

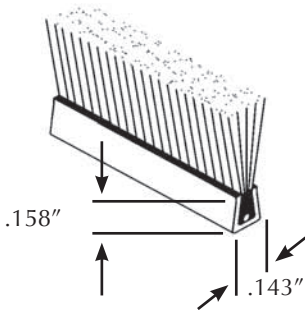


Stepped

Uniform brush contact for irregular or uneven surfaces.

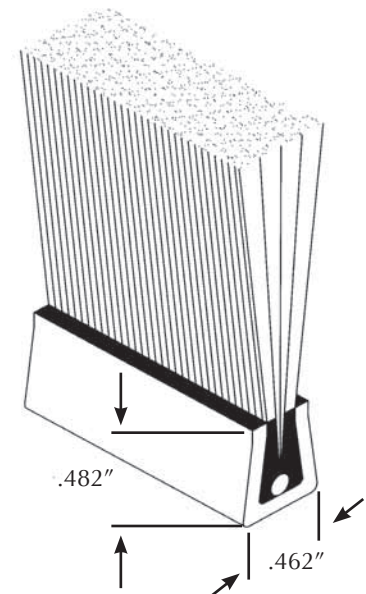
Metal Back Strips

#3

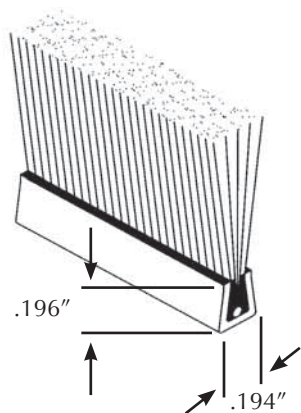


Channel backing width and height may vary depending on fill amount!

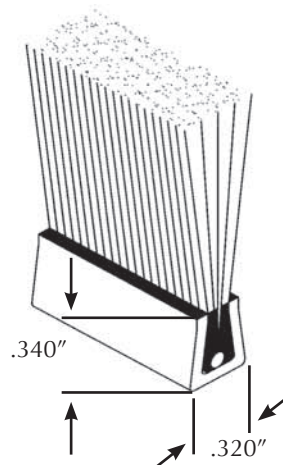
#10



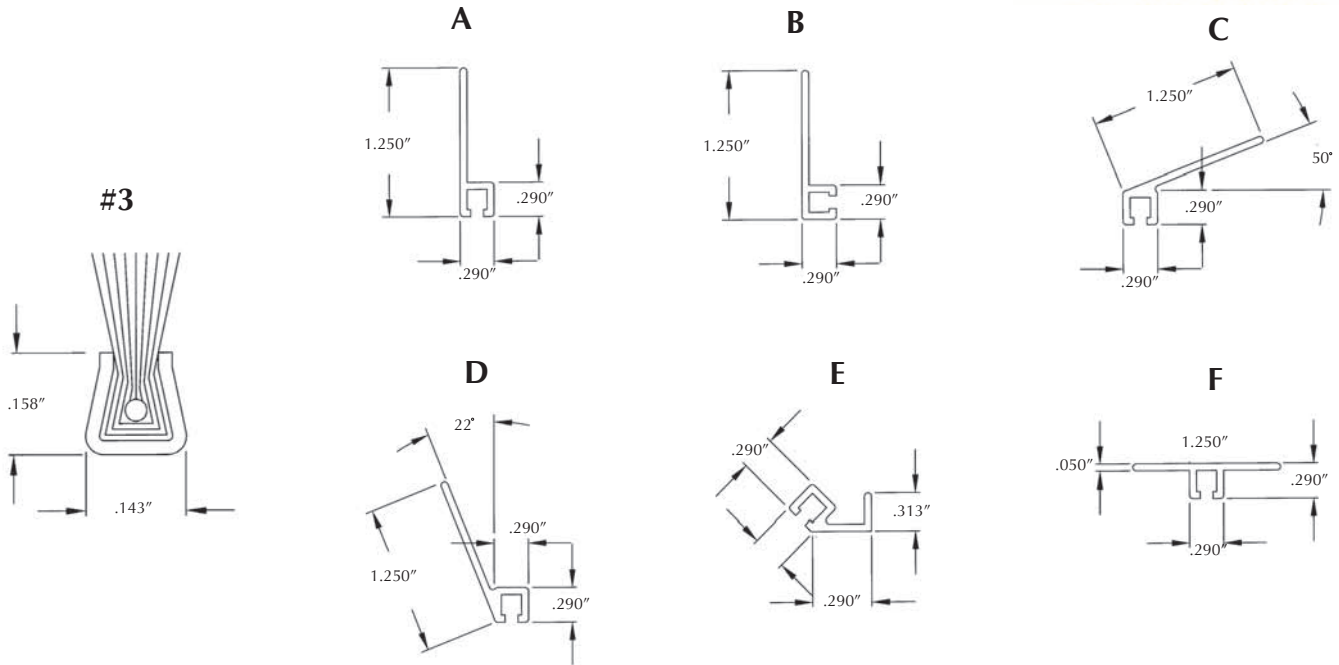
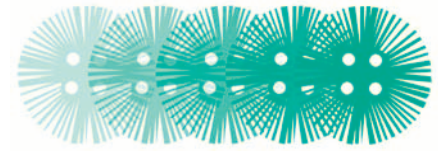
#4



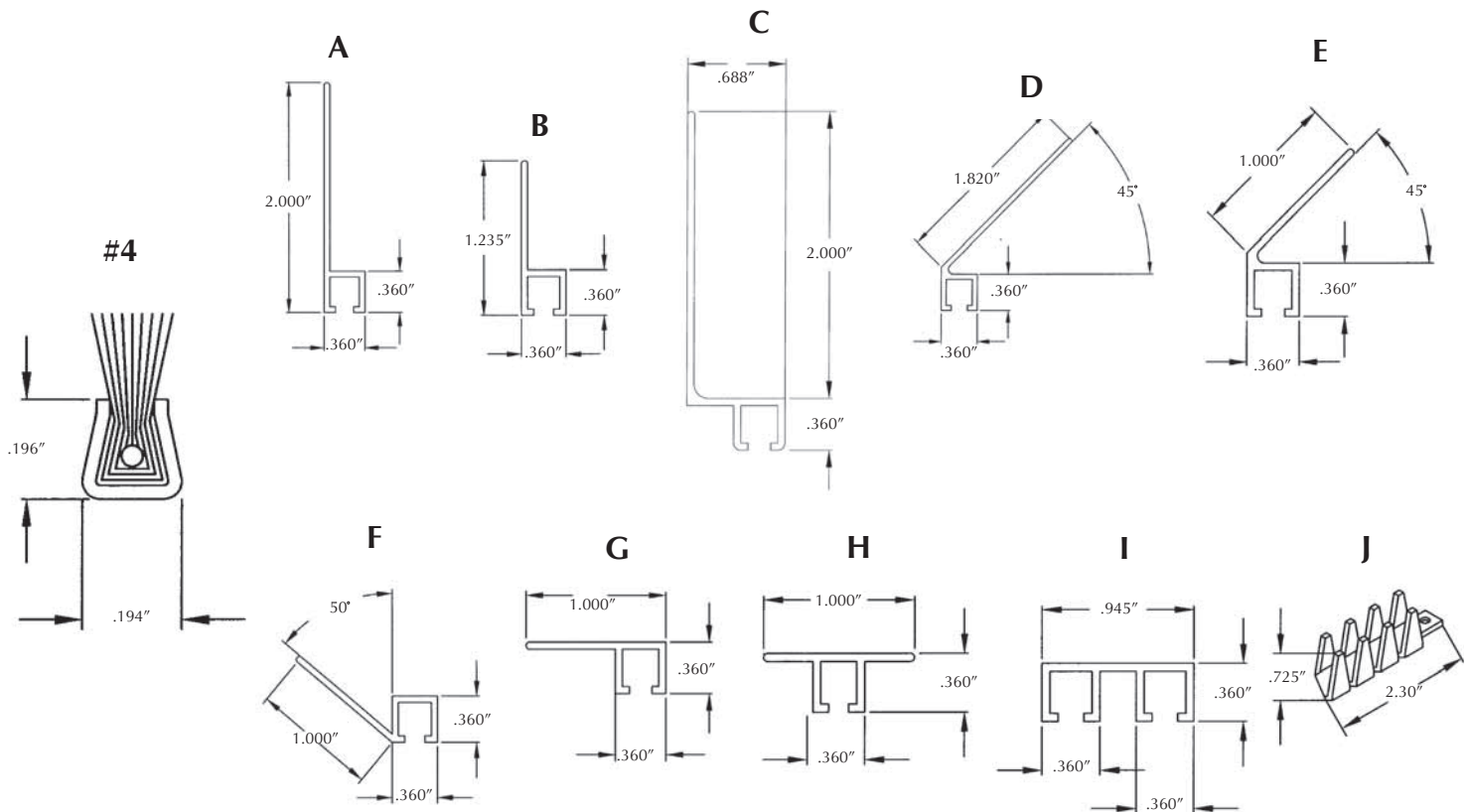
#7



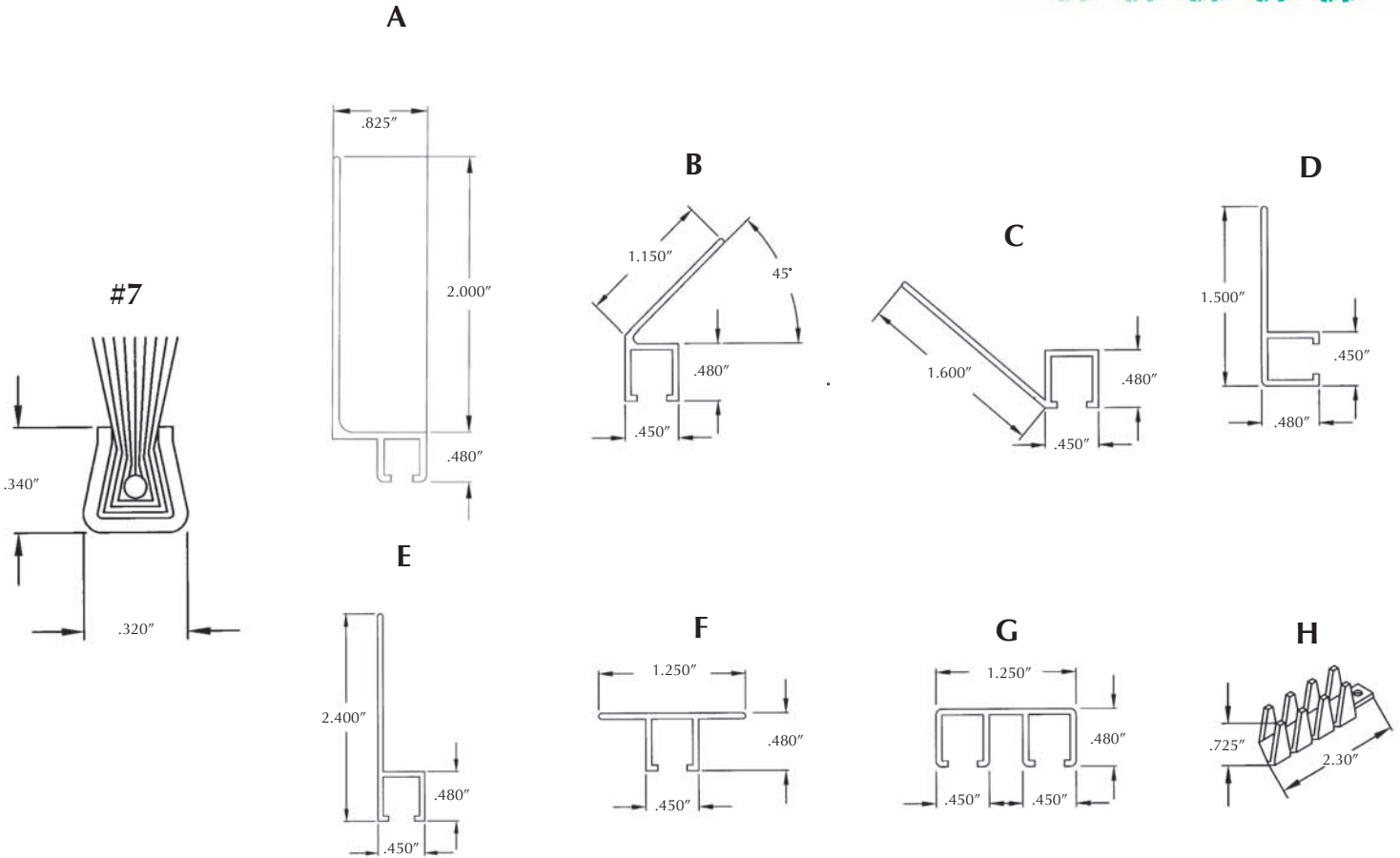
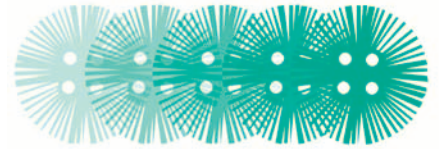
Extruded Aluminum Holder #3



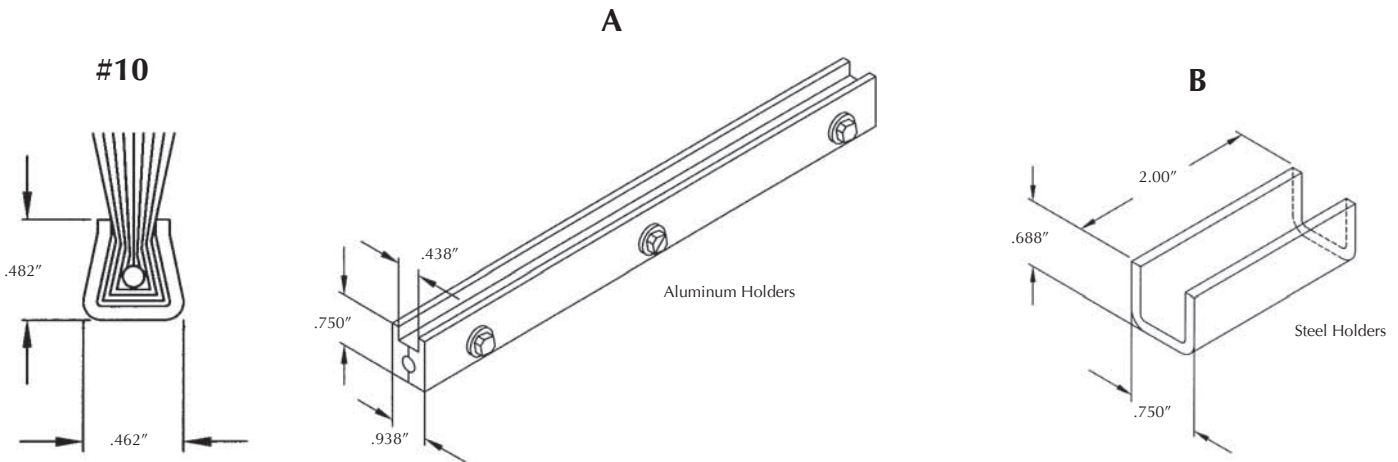
Extruded Aluminum Holder #4



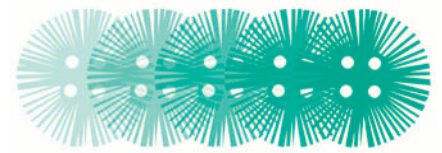
Extruded Aluminum Holder #7



Extruded Aluminum/Steel Holder #10



Schaefer Brush



Custom Metal Back Strip Brush Form

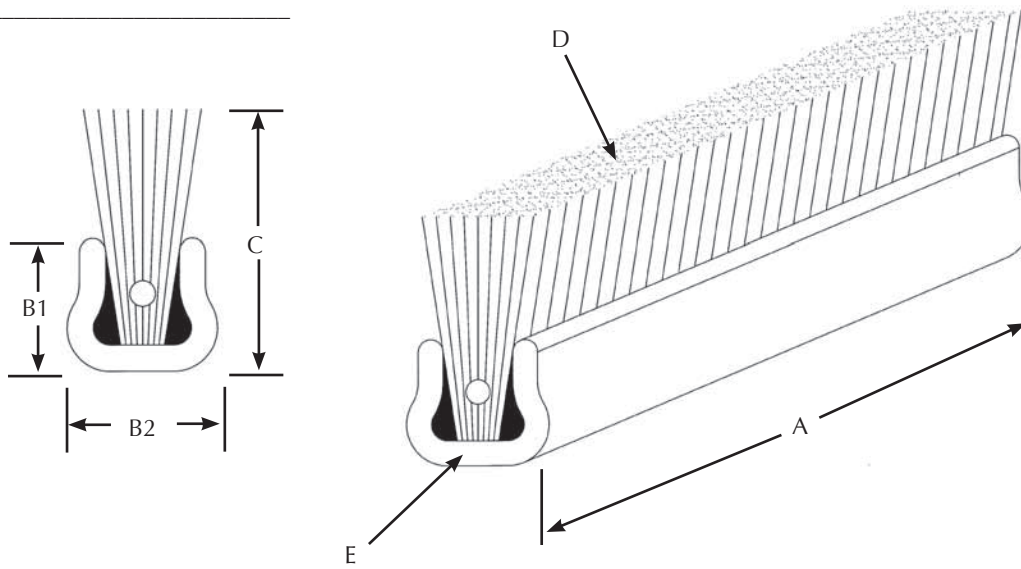
Section 14-1

Name: _____ Company: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Date: _____



Brush Application: _____

A. Overall Length: _____

B. Size of Channel:

B1. Height of Channel: _____

B2. Width of Channel: _____

See Page 66-68 for Channel Size.

C. Overall Trim: _____

D. Trim Profile:

- Flat Shaved End Stepped
 Bevel Offset

See Page 66 for Pictures of Trim

E. Brush Shape:

- Helical Formed Cup Brush Coiled
 Internal Ring Formed Strip Brush Cylinders
 External Ring Straight

See Page 65 for Pictures of Shapes.

F. Brush Fill:

- Heavy Medium Light

1. Type:

- Nylon Stainless Steel
 Polypropylene Carbon Steel
 Polyester Silicon Carbide
 Grit Size: _____
 Tampico Aluminum Oxide
 Grit Size: _____
 Horse Hair Other _____
 Brass
 Phosphorus
 Bronze

2. Fill Diameter: _____

3. Crimped Level: _____

4. Color Preference: _____

G. Channel Material:

- Aluminum Steel
 Stainless Steel Other: _____
 Galvanized

H. I'm not sure what I want, have someone contact me!

Contact Me!

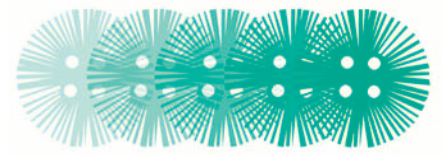
Fill out and Fax to Schaefer Brush
262-547-3927!

See Pages 67-68 for Extruded Holders.



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Schaefer Brush



Staple Set & Hand Drawn Brushes

Section 14-2

Staple Set

Staple set brushes are very common in both industrial and consumer settings. With their wide range of uses and shapes, they fulfill a vast array of tasks. Some traits of this brush type are as follows;

1. Brush Core

Core materials cannot be too hard or too soft. Typically thicker for staple penetration.

2. Bristle Styles

Both man-made and natural materials may be used in staple set brushes. They are available in a wide range of textures, styles, colors and diameters.

3. Staples

Staple materials are tailored to meet your specific application needs.

4. Replace or Refill

Staple set brushes can be refilled a limited number of times at a reduced cost.

5. Prototypes or Production Runs

Automated equipment produce a variety of staple set brushes in high volume. Specialized, one of a kind, items are also available.



Hand Drawn

Hand drawn brushes are typically used in more aggressive applications where a very secure mounting of the bristle is essential.

Reasons for Hand Drawing Brushes:

1. Brush Core

Core material is metallic or a very brittle substrate for staple set construction.

Core material is flexible or too soft for staple set construction.

Core material is incompatible with bristle for fused construction.

Core cross-section is too thin for staple set.

2. Specialized Geometries

Bristles may be applied in geometric profiles not available in other construction types.

Examples: Straight, Staggered or Chevron.

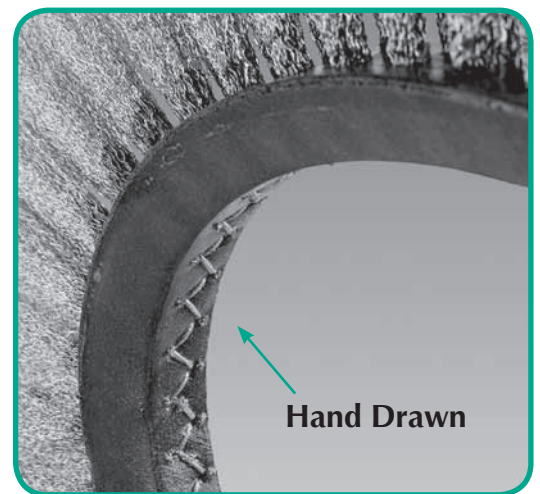
3. Harsh Environments

Heat, caustics, and other environmental issues often require hand drawn construction.

4. Wear Life

Hand drawing is always the best choice when high wear issues are a factor. With hand drawn products you only purchase the brush core once, then return the core and we will refill your brush with new bristle at a fraction of the new cost.

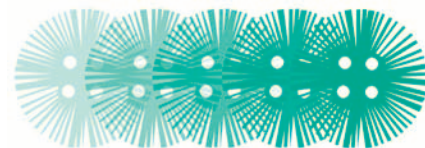
Compared to staple set brushes hand drawn brushes can be refilled many times.



Custom Brushes can be made to your specifications. Call for Details!



Schaefer Brush



Custom Staple Set & Hand Drawn Form

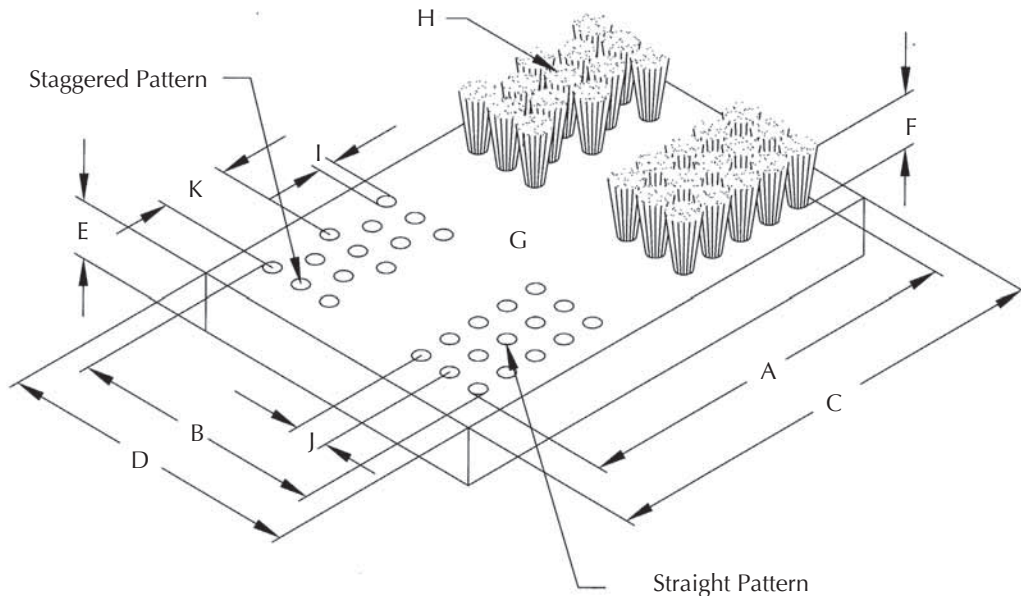
Section 14-2

Name: _____ Company: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Date: _____



Brush Application: _____

A. Brush Face Length: _____

B. Brush Face Width: _____

C. Block Length: _____

D. Block Width: _____

E. Block Height: _____

F. Trim Length: _____

G. Brush Block:

- | | |
|-----------------------------------|---------------------------------------|
| <input type="checkbox"/> Wood | <input type="checkbox"/> HDPE |
| <input type="checkbox"/> Plastic | <input type="checkbox"/> Delrin |
| <input type="checkbox"/> Aluminum | <input type="checkbox"/> Other: _____ |

H. Fill Material:

- | | |
|---|--|
| 1. Type: | |
| <input type="checkbox"/> Nylon | <input type="checkbox"/> Stainless Steel |
| <input type="checkbox"/> Polypropylene | <input type="checkbox"/> Carbon Steel |
| <input type="checkbox"/> Polyester | <input type="checkbox"/> Silicon Carbide |
| <input type="checkbox"/> Tampico | Grit Size: _____ |
| <input type="checkbox"/> Horse Hair | <input type="checkbox"/> Aluminum Oxide |
| <input type="checkbox"/> Brass | Grit Size: _____ |
| <input type="checkbox"/> Phosphorous Bronze | <input type="checkbox"/> Other: _____ |

2. Size: _____

3. Level or Crimped: _____

4. Color Preference: _____

5. Pattern:

- Straight Staggered Chevron

(see top drawing for the differences)

I. Tuft Hole Diameter: _____

J. Fill Hole Spacing Width: _____

K. Fill Hole Spacing Length: _____

L. I'm not sure what I want, have someone contact me!

Contact Me!

**Fill out and Fax to Schaefer Brush
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