

## How To Use This Catalog

Our goal is to make it as easy as possible to do business with Weiler. We have done our best in providing valuable technical information, product specifications and application solutions in the most "user-friendly" manner possible.

This Resource Guide is divided into four main sections represented by a different color for easy indexing:

- Power Brushes - Blue**
- Nylox<sup>™</sup> Nylon Abrasive Filament Brushes - Purple**
- Abrasives - Red**
- Maintenance Products - Green**

Application Solutions are featured throughout this Resource Guide to provide examples of the types of deburring, finishing, cleaning and other surface conditioning challenges that our products can solve.

### Table Example:

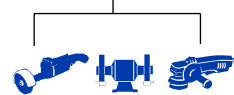
Product Group name and description.

The reference code is an alpha-numeric identification.

The tool icon indicates the most commonly used tools for the products within the table. (See icon reference guide below.)

### Crimped Wire Wheels - Narrow Face

Flexible brushing action. Can be mounted in multiples.



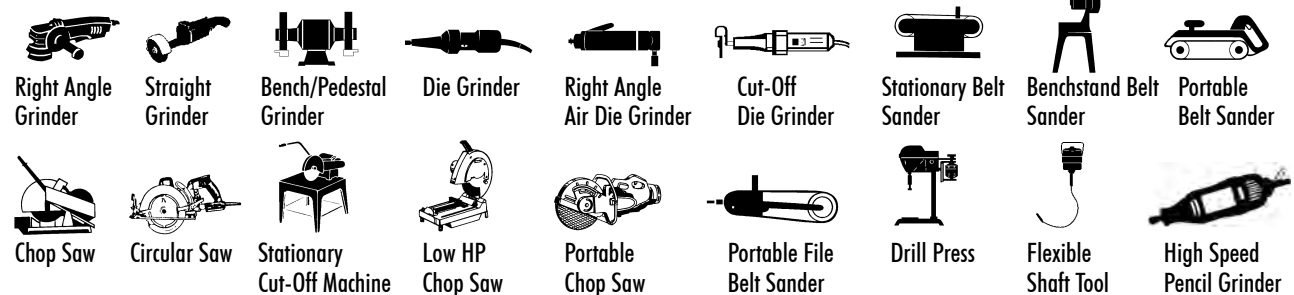
Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max. AH Avail.	Thickness at Face Plates	Max. RPM	Ref. Code	Item No.	
									Steel	Stainless
3"	.006	1/2"-3/8"	7/16"	1/2"	3/4"	7/16"	12,500	TLN-3	00204	00244
	.008								—	
	.0118								00234	00264
	.014								00274	—
									—	—
4"	.006	1/2"-3/8"	1/2"	7/8"	3/4"	7/16"	12,500	TLN-4	00104	00154
	.008								00114	—
									—	—

The Item No. (or EDP number) is the number used when placing your order.

For example: A 3" diameter, .006 steel wire wheel with 1/2"-3/8" arbor hole, 7/16" face width and 1/2" trim is Item No. 00204.

## Tool Icons

These icons illustrate some of the common power tools that can be used to drive Weiler brushes and abrasives. Many products within this Resource Guide can also be used on other types of tools and machines, including automated equipment.



## How To Order

Weiler has an extensive network of local distributors throughout the country to assist you with product recommendations and support. To place an order, contact a distributor in your area, or call our Customer Service Team at 800-835-9999 for the distributor nearest you. For custom products, our Application Engineering Department will work with you to design and manufacture the best product and recommend the best process for your specific requirements. Call 888-299-APPS (2777).

You can also check out our website which features a Distributor Locator! Visit us at: [www.weilercorp.com](http://www.weilercorp.com) for the distributor in your area; electronic catalog; available literature, videos, technical papers; MSDS sheets; new product information; product cross reference and more!



[www.weilercorp.com](http://www.weilercorp.com)  
**E-mail:**  
[info@weilercorp.com](mailto:info@weilercorp.com)

## Weiler's Satisfaction Guarantee

Weiler Corporation hereby warrants that its Power Brush, Nylox<sup>™</sup>, Abrasive and Maintenance products shall be free from defects in material and workmanship under normal use and service, for a period of one year from the date of purchase. In the event the customer reasonably becomes dissatisfied with the performance of any of Weiler's products, Weiler will repair or replace the product at no cost to the customer. This repair or replacement is contingent upon prompt written notice and compliance by the customer with instructions given by Weiler regarding the return of the product for evaluation.

*This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose. Correction in the manner provided hereinabove shall be the extent of Weiler's liability, and no other entity is authorized to extend that liability.*

## Safety Information

All of Weiler's products are made to the strictest quality standards and specifications and are designed to provide superior work performance and safe operation if used properly.



**Warning:** Failure to observe safety precautions may result in injury.

Many manufacturers mark some safety warnings, recommendations and usage restrictions directly on the product. However, it is not always practical to include even the most limited safety information on the product itself. Therefore, the operator **MUST READ** and **FOLLOW** all instructions supplied in or on the product container as well as those marked on the product. The operator should also refer to the safety and operating information printed in this catalog and other literature.

### Safety Standards

Comply with the safety standards of the American National Standards Institute:

- ANSI B165.1 "Safety Requirements - Power Brushes"
- ANSI B7.1 "Safety Requirements - For the Use, Care and Protection of Abrasive Wheels".

### Guards

Keep all machine guards in place.



**In some instances throughout this resource guide, guards have been removed from machines to better illustrate product applications. Guards must be kept in place at all times when product is running!**



### Protective Equipment

Appropriate protective clothing and equipment must be used where there is a possibility of injury that can be prevented by such clothing or equipment.

### Speeds

Observe all speed restrictions indicated on brushes, abrasives, containers, labels, or printed in pertinent literature. MSFS means Maximum Safe Free Speed (RPM) - spinning free with no work applied. For reasons of safety, MSFS or Maximum RPM should not be exceeded under any circumstances.

### Tool/Work Rest

On bench grinders and pedestal machines, tool/work rests should be used to support the work-piece during use. It should have a maximum opening of 1/8" to the product face. Only adjust the rest when the product is not in motion.



### Machine Conditions

Proper maintenance of machines and power tools is essential to keep them in safe operating condition. Special operating instructions furnished should be closely followed. Hoods and safety guards must be kept in place at all times. Use adequate spindle diameter for the brush - do not use brush

larger than the machine was designed for and have sufficient power to maintain rated spindle speeds. Provide proper ventilation and/or exhaust systems on all brush and abrasive operations (ANSI Z88.2)



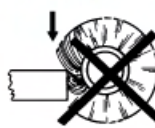
### Safety Goggles

Safety goggles or full face shields worn over safety glasses with side shields **MUST BE WORN BY ALL OPERATORS AND OTHERS IN THE AREA OF BRUSH AND ABRASIVE OPERATIONS.** Comply with the requirements of ANSI Z87.1 "Occupational Eye and Face Protection".

### Inspection and Storage

Upon receipt, inspect products for damage, rust and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments / components or foreign matter to become lodged in brush face.

### Avoid Excessive Pressure When Using Power Brushes



Excessive pressure causes over-bending of the filaments and heat build-up resulting in filament breakage, rapid dulling and reduced brush life. Instead of greater pressure on a brush, try: (1) a brush with more aggressive cutting action (increased wire size, decreased filament length, different brush type, i.e. knot type instead of crimped wire type), or (2) higher speed (increased RPM, increased brush diameter).

### Dust and Fumes

Wear respiratory protection against this hazard (see ANSI Z88.2).



### Free Safety Video (WB751)

Weiler's safety video features the proper usage and safety precautions necessary when using power brushes. For your free copy contact Weiler at: 800-835-9999, Fax: 800-635-3615 or e-mail us at: [info@weilercorp.com](mailto:info@weilercorp.com).



### Before Starting Product:

**Use eye protection and safety equipment. Inspect product for rust, damage, etc. If RPM marked on the power tool is higher than the RPM marked on the product, do not mount the product.**

### And Don't Forget:

**Inspect and jog machine to ensure that the product is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work. Do not stand in front of or in line with product.**

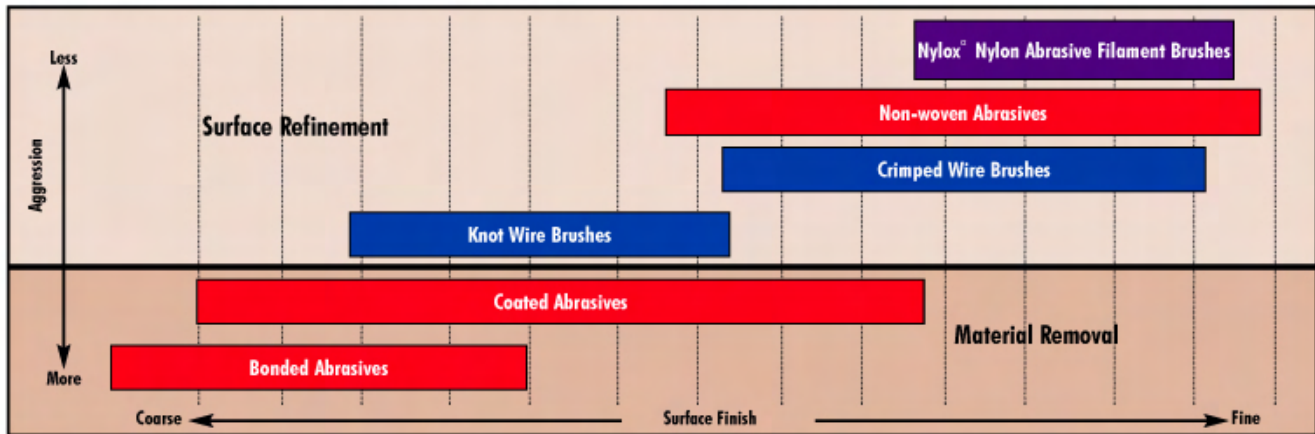
## Availability of ANSI Standards

Based on the collective experience of the ABMA Industrial Division members (ANSI B165.1) and the United Abrasives Manufacturers Association's Bonded Division (ANSI B7.1) both ANSI Standards are referenced and provided solely as a public service for the guidance of the users of the members' products. All Brush and Abrasive recommendations are not necessarily complete with respect to any particular application and common sense safety considerations should be adhered to generally. Any applicable federal, state, local law or regulation must be strictly adhered to and is controlling over any recommendation contained herein. American National Standards are subject to periodic review and users are cautioned to obtain the latest editions. Contact The American National Standards Institute (ANSI), 1430 Broadway, New York, NY 10018.



## Product Selection Guide: By Surface Finish

Weiler offers a wide range of brushes and abrasives for cleaning, deburring and finishing. The chart below will help you determine the most effective brush or abrasive product type based on surface finish and degree of aggression required for your application. As indicated, Coated and Bonded Abrasives will remove base material. Wire Brushes, Nylox™ Brushes and Non-Woven Abrasives will not typically remove base material and are used for jobs requiring surface refinement.



**Note:** If you need assistance in choosing the correct product for your specific application, contact our Application Engineering Team at 888-299-APPS (2777).

## Application Engineering Solutions

Weiler Corporation is the source for surface conditioning solutions. Our goal is to provide solutions that will help you lower costs by increasing productivity. By combining our broad product offering with the support of our Application Engineering Team, you can count on Weiler to provide solutions to your specific application.

### Have An Application Problem?

#### Option 1 - Application Hotline:

Call our Application Engineering Hotline at 888-299-APPS (2777) with all your deburring, cleaning and finishing challenges. If your question cannot be answered on the phone...



#### Option 2 - In-House Part Evaluation:

Send your component parts to our in-house lab for evaluation and product recommendation. This enables Weiler to evaluate and process parts in a controlled environment without interrupting your production schedule. We will address issues such as cycle time, finish required and product life, providing the most cost-effective solution. Weiler's in-house lab is also equipped with a Hurco VSX-40 vertical machining center, giving us the capability to perform technical viability analysis on your parts. The availability of the Hurco permits recommendations concerning speeds, feeds and tool paths to be extremely precise. This virtually eliminates technical uncertainty for customers interested in implementing in-machine deburring.



#### Option 3 - On-Site Evaluation:

If it is determined that an on-site visit is required, a Weiler Application Engineer will visit your facility to review the current production process. Weiler will determine the best product and process to meet your specific application requirements.



**Turn to Weiler for assistance with product selection and application solutions.**



Visit [www.weilercorp.com](http://www.weilercorp.com) to view our Solutions Showcase, featuring real-life case studies.

# Application Engineering Assistance Form

If you are having an application problem, complete the following form and fax or mail it to Weiler's Application Engineering Department. This form is also available on Weiler's website at [www.weilercorp.com](http://www.weilercorp.com). E-mail the form to [info@weilercorp.com](mailto:info@weilercorp.com) or see below for return information.

Date: \_\_\_\_\_

Company Name: \_\_\_\_\_ SIC Code: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Your Name: \_\_\_\_\_ Title: \_\_\_\_\_

E-mail: \_\_\_\_\_

Part Name: \_\_\_\_\_

Material: \_\_\_\_\_ Annual Production: \_\_\_\_\_

Describe Application: *(Surface Finishing/Deburring/Edge Blending/Roughening/Cleaning)*

Application Status: \_\_\_\_\_ Existing \_\_\_\_\_ New

If Existing: A: Describe Current Process: \_\_\_\_\_

B: Reason for Changing Process: \_\_\_\_\_

Desired Cycle Time: \_\_\_\_\_

Equipment To Be Used: *(Grinder, Lathe, Custom Designed, etc.)*

\_\_\_\_\_ Off-hand \_\_\_\_\_ Semi-Automatic \_\_\_\_\_ Fully Automatic

Equipment RPM: \_\_\_\_\_ Variable? \_\_\_ Yes \_\_\_ No Range: \_\_\_\_\_

Will Coolant be used? \_\_\_ Yes \_\_\_ No

Additional Specifications: \_\_\_\_\_

Fax: 800-635-3615, call toll-free: 888-299-APPS (2777) or e-mail us at: [info@weilercorp.com](mailto:info@weilercorp.com)

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Attn: Application Engineering Department

