POWER BRUSH FIELD SELECTION GUIDE

The basics you need to know to help select the right power brush for your Welding & Fabrication needs. Get your job done faster, safer, and better.

**PERFORMANCE LINE / INDUSTRIAL GRADE**
Engineered to maximize performance in the most demanding surface conditioning applications. Offers the lowest cost-of-use and most consistent performance in heavy production environments.

**VALUE LINE / PROFESSIONAL GRADE**
 Manufactured using the same exacting standards as other Weiler power brushes, but engineered to provide cost-effective use in less demanding environments.

**APPLICATIONS**

- **LEAST AGGRESSIVE**
  - Cleaning / Deburring
  - Surface Prep
  - Rust / Oxide Removal
  - Coating Removal
  - Weld Cleaning

- **MOST AGGRESSIVE**
  - Encapsulated Wheels
  - Bevel Brushes
  - Cable Twist Wire Wheels
  - Crimped Wire Wheels
  - Knot Cup Brushes
  - Knot End Brushes
  - Crimped End Brushes
  - Conflex Brushes

**WIRE WHEELS**
Best for weld beads and targeted cleaning

**CONFLEX BRUSHES**
Best for cleaning ID’s, threads, and recessed areas

**BEVEL BRUSHES**
Best for fillet welds & corners

**CUP BRUSHES**
Best for large surface areas

**END BRUSHES**
Best for recessed areas & corners

**STRINGER BEAD WHEELS**
Best for weld beads and targeted cleaning
# POWER BRUSH FIELD SELECTION GUIDE

## Crimped vs. Knot

### Crimped Wire Brushes
- Greater flexibility for light/medium duty applications
- Less aggressive than a knot wire brush
- Use for a broad range of applications
- Highly conformable for irregular surfaces

### Knot Wire Brushes
- Less flexible and more aggressive than crimped wire brush
- Use on parts requiring high-impact action

## Knot Types

### Standard Twist
Flared at the head, providing a larger footprint and some flexibility for use on irregular surfaces. Sharp wire tips make this knot aggressive right from the start.

### Hurricane Twist
Provides smoother operation but sacrifices aggressive cleaning action.

### Cable Twist
Provides very aggressive brushing action. Sharp wire tips make this knot aggressive right from the start.

### Stringer Bead Twist
Thinner, tighter knots make it ideal for high-impact action. Used for tight areas, corners, and root pass weld cleaning. Sharp wire tips make this knot aggressive right from the start.

## Tool

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<th>STRAIGHT GRINDER</th>
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## WIRE SIZE

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<tr>
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<th>Fine</th>
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To maximize brush life and reduce costs, always use the finest wire that will get the job done without excessive applied pressure or engagement with the brush.

## Fill Material

### Steel Wire
Carbon steel wire is the most durable power brush fill material for metalworking and heavy-duty cleaning applications.

### Stainless Steel Wire
Recommended when brushing corrosion-resistant or non-ferrous metals such as stainless or aluminum or when the brush is being used in a wet environment.

### Non-Ferrous Wire
(Brass, Bronze & Aluminum) These materials will not generate a spark in use, but lack the durability and aggression of carbon steel and stainless steel wire.

## Trim Length

### Long Trim
- Greater flexibility for irregular surfaces
- Shorter life

### Short Trim
- Stiff & aggressive
- Longer life

## Contact Information
800.835.9999 / weilerabrasives.com

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