

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.

P 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.

V 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.



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



END BRUSHES
Best for recessed areas & corners

BEVEL BRUSHES
Best for fillet welds & corners



WIRE WHEELS
Best for weld beads and targeted cleaning

CUP BRUSHES
Best for large surface areas

APPLICATIONS

LEAST AGGRESSIVE

MOST AGGRESSIVE



Cleaning / Deburring



Surface Prep



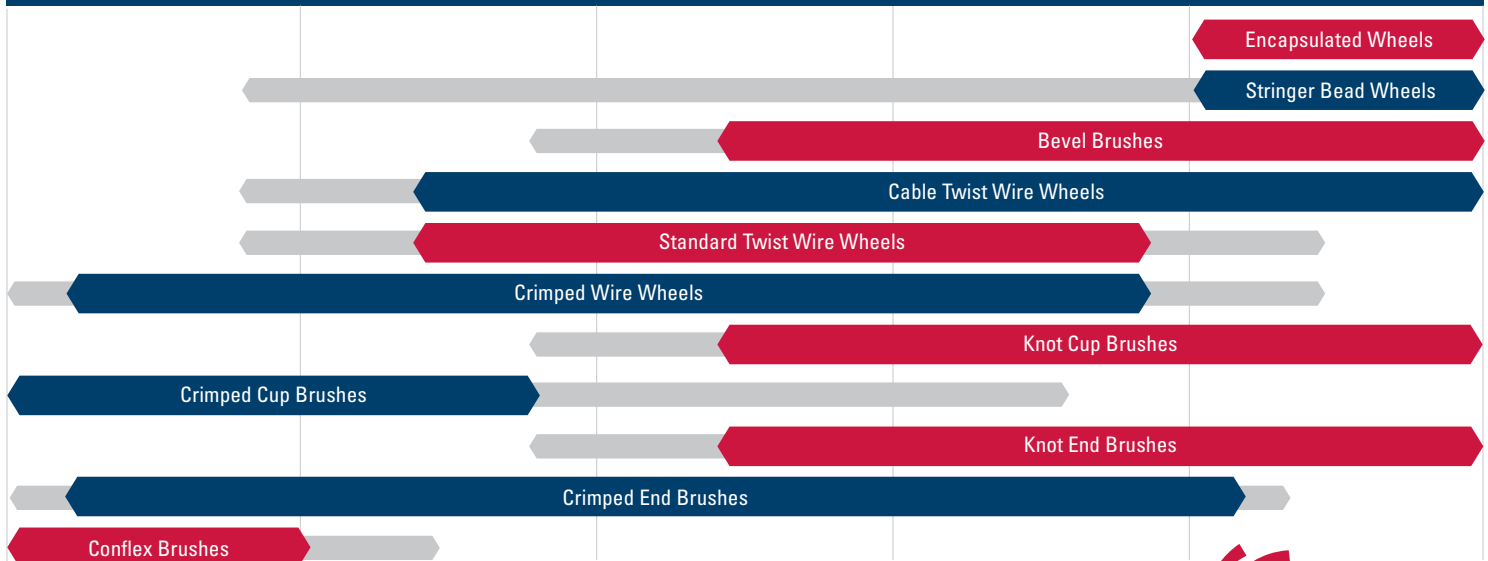
Rust / Oxide Removal



Coating Removal



Weld Cleaning



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TOOL

Choose your power wire product by tool.



RIGHT ANGLE GRINDER

Wire Wheels
Cup Brushes
Bevel Brushes



STRAIGHT GRINDER

Wire Wheels
Bevel Brushes



DIE GRINDER

Wire Wheels
End Brushes
Conflex Brushes



HAND DRILL

End Brushes
Conflex Brushes



BENCH GRINDER

Wire Wheels



DRILL PRESS

End Brushes
Conflex Brushes

WIRE SIZE

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.

Coarse			Medium			Fine		Very Fine	
.035	.023	.020	.014	.0118	.0104	.0095	.008	.006	.005
LESS			Flexible					MORE	
MORE			Aggressive					LESS	
LESS			Resistant to Fatigue & Breakage					MORE	

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.

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

TRIM LENGTH

Long Trim

- Greater flexibility for irregular surfaces
- Shorter life



Short Trim

- Stiff & aggressive
- Longer life



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.

