



Product	Part No.	Description
Anti-Spatter	0-1620-16	16 oz Aerosol Can
	0-1620-24	24 oz Aerosol Can
	0-1620-5	5 Gallon
	0-1620-55	55 Gallon
Waterbase Anti-Spatter	0-1630-1	1 Gallon
	0-1630-5	5 Gallon
	0-1630-16	16 oz Aerosol Can
Nozzle Dip	0-108-1	1 Gallon
	0-108-16	16 oz Jar
Super Galv	0-109-1	1 Gallon
	0-109-16	16 oz Aerosol Can
	0-109-QT	1 Quart

### Anti-Spatter and Nozzle Shield

- For MIG gun nozzles and welding surfaces.
- Reduces spatter build up and clean up time.
- Heat resistant, nonflammable and paint compatible.
- Does NOT contain silicones or fluorocarbons.
- Does NOT contain any ozone depleting chemicals.

### Water Based Anti-Spatter and Nozzle Shield

- Designed to provide a safe welding environment.
- Formula is nontoxic and does not contain chlorinated solvents.
- Paint compatible and residual spatter may be brushed or wiped away.
- Does NOT contain any ozone depleting chemicals.

### Nozzle Dip

- Protects MIG gun nozzles, tips, fixtures and positioners.
- Nonflammable and nontoxic.
- Does NOT contain silicones or fluorocarbons.
- Does NOT contain any ozone depleting chemicals.

### Super Galv

- Rustproofs any metal exposed to corrosion and rust.
- Not a paint, but a 95% pure-zinc compound that sprays on cold to protect the surface from rust.
- Super Galv heals itself even when scratched.
- Does NOT contain any ozone depleting chemicals.



Part No. 0-102-16



Part No. 0-100

### Flame Cutting Cleaner

- Cleans grease, oxide and rust from flame cutting machines.
- Does NOT contain petroleum products or acids.
- Contains a special anti-rust and anti-corrosion agent.
- Nonflammable, nontoxic and biodegradable.

### Chemical Tungsten Sharpener

- Sharpens tungsten points perfect every time.
- Extends the life of a point 2 to 4 times.
- Approximately 500 perfect sharpenings without grinding.
- Economical: Tungsten points sharpened by grinders are subjected to chipping and over grinding.

Product	Part No.	Description
Flame Cutting Cleaner	0-102-16	16 oz Aerosol Can
Tungsten Sharpener	0-100	Chemical Sharp 5 oz Jar
	0-100-H	Tungsten Holder
	0-100-K	Chemical Sharp w/Holder



Part No. 0-110-4

### Wire Lube Pads

- Eliminates erratic wire feed caused by dust and particles being trapped in conduit lines.
- Increases wire feedability.
- Does NOT contain solvents, abrasives, carbon, sulphur, nitrogen, moly disulfide or silicones.
- Nontoxic and nonflammable.

Part No.	Description
0-110-4	4 pads per plastic box with 1 clip
0-110-8	8 pads per plastic box with 1 clip
0-110-25	25 pads per plastic box with 1 clip

## Industrial Products



Part No. 0-2003-K

### Fault Check NDT Systems

- Standard and Nuclear grade liquid dye penetrant systems for nondestructive testing.
- Standard grade uses nonflammable solvents with low sulfur and low halogen contents.
- Nuclear grade is halogen and sulfur free.
- Meets NACSHIP-250-1500-1, MIL-I-25135-C, MIL-STD-271-D

Product	Part No.	Description
Standard Cleaner	0-2001-1520	15.20 oz Aerosol
	0-2001-1	1 Gallon
	0-2001-5	5 Gallon
Nuclear Cleaner	0-1001-850	8.5 oz Aerosol
	0-1001-1	1 Gallon
Penetrant Standard/Nuclear	0-1004-95	9.5 oz Aerosol
	0-1004-1	1 Gallon
Standard Developer	0-2002-1425	14.25 oz Aerosol
	0-2002-1	1 Gallon
Nuclear Developer	0-1002-90	9.0 oz Aerosol
	0-1002-1	1 Gallon

### KITS (4 Cleaner, 2 Penetrant, 2 Developer)

0-1003-K Nuclear Fault Check Kit  
 0-2003-K Standard Fault Check Kit



Part No. 16-250

### Coolit Circulator System

High Efficiency Radiator Circulator System. Don't risk the care of expensive water cooled equipment to just any cooling circulator. Cool with the COOLIT I. A high efficiency radiator type circulator, the COOLIT I is designed for many industrial cooling applications including MIG, TIG, plasma, and resistance welding. Its unique common shaft construction virtually eliminates pump, fan, or motor alignment problems and insures quiet operation.

All stainless steel tank and cover prevents electrolytic and chemical contamination to give longer equipment life and better operating performance. The COOLIT I can function in either stationary or portable installations, and its distinctive design requires a minimum of space.

For maximum equipment performance, always use our special coolant formulas in place of ordinary tap water

RED COOLANT - For plasma cutting and welding applications.

BLUE COOLANT - For MIG, TIG, resistance welding, and general industrial applications.







GREEN COOLANT- For superior-temperature applications.

With RED, BLUE or GREEN COOLANT, you are free from the hazards of damaging mineral deposit build-up in equipment, freezing water lines, and high frequency loss from conductive tap water.







Product	Part No.	Description
Water Cooler	16-250	Coolit Water Circulator
Coolant Fluid	16-25501	Blue 1 Gallon 19°F/-7°C
	16-25502	Red 1 Gallon 6°F/-14°C
	16-25503	Green 1 Gallon -60°F/-52°C
Replacement Parts	16-2905	Fan
	16-2910	Pump
	16-2920	Motor

## Wire Brushes

1	Brush Styles:	Recommended Power Tools:	Typical Uses:
	 <b>Wheels</b>		<ul style="list-style-type: none"> <li>Remove rust, scale, dirt, corrosion, burrs &amp; paint</li> <li>Weld cleaning</li> </ul>
	 <b>Cups</b>		<ul style="list-style-type: none"> <li>Brushing larger surface areas</li> </ul>
	 <b>Ends</b>		<ul style="list-style-type: none"> <li>Cleaning and finishing in confined areas</li> <li>I.D. honing</li> </ul>

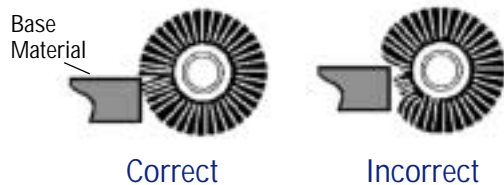
2	Wire Configurations:	Features:	Benefits:
	 <p>Crimped</p>	<ul style="list-style-type: none"> <li>Flexible brushing action</li> </ul>	<ul style="list-style-type: none"> <li>Continuous brushing action</li> <li>Relatively fine finish</li> </ul>
	 <p>Standard Twist Knot</p>	<ul style="list-style-type: none"> <li>Slight tuft at end of wire</li> </ul>	<ul style="list-style-type: none"> <li>More aggressive</li> <li>Some flexibility</li> </ul>
	 <p>Cable Twist Knot</p>	<ul style="list-style-type: none"> <li>Wire twisted to the end</li> </ul>	<ul style="list-style-type: none"> <li>Very aggressive cutting action</li> <li>Non conforming</li> </ul>
	 <p>Stringer Bead Knot</p>	<ul style="list-style-type: none"> <li>Tightly twisted wire</li> </ul>	<ul style="list-style-type: none"> <li>Very aggressive narrow face</li> <li>Primarily used for weld cleaning</li> </ul>

3	Wire Types:	Features:	Benefits:
	Carbon Wire	<ul style="list-style-type: none"> <li>High tensile steel wire</li> </ul>	<ul style="list-style-type: none"> <li>Superior fatigue resistance</li> <li>Excellent cutting action</li> </ul>
	Stainless Steel Wire	<ul style="list-style-type: none"> <li>Type 302 stainless steel wire</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates the danger of "after rust" when brushing aluminum, stainless &amp; alloys</li> </ul>

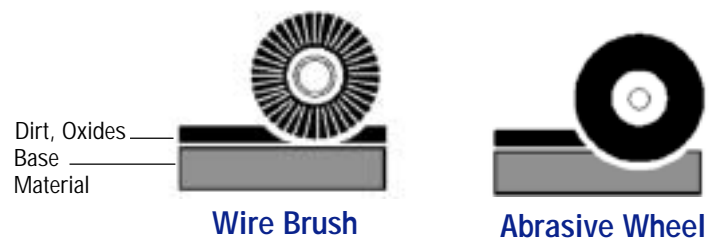
## Brushing Guide

### Proper Brushing Procedure



For maximum brushing results, use the lightest pressure necessary to accomplish the job. Let the wire tips do the work; excessive pressure can cause wire break.

### Wire Brushes vs. Abrasive Wheels



Power brushing removes dirt, contaminants and oxides from base material, not the base material itself. In some applications, hard abrasive wheels will remove the base material while removing the unwanted top layer.

## Safety Guide

- 1 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 power brush operations.
- 2 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.
- 3 Guards**  
 Keep all machine guards in place.
- 4 Speeds**  
 Observe all speed restrictions indicated on brushes, containers, labels or printed pertinent literature. MSFS, "Maximum Safe Free Speed" should not be exceeded under any circumstances.

## Wire Cup Brushes

### Crimped Wire & Knot Style Cup Brushes



Part No. BW-360



#### Crimped Wire

- Fast cleaning action
- Rust removal
- Surface preparation

Steel Part No.	Stainless Part No.	DIA	Trim Length	Wire Size	Arbor Hole	MAX RPM
BW-339		4"	1-3/8"	.014	5/8"-11	9,000
BW-340		4"	1-3/8"	.020	5/8"-11	9,000
BW-350	BW-9350	5"	1-3/8"	.020	5/8"-11	9,000
BW-359		6"	1-1/4"	.014	5/8"-11	8,000
BW-360		6"	1-1/4"	.020	5/8"-11	8,000



Part No. BW-461

#### Heavy Duty Knot

- Fast cleaning action on large surfaces
- Cleaning corners & hard-to-reach places
- Long lasting

Steel Part No.	Stainless Part No.	DIA	Trim Length	# of Rows	Wire Size	Arbor Hole	MAX RPM
BW-440		4"	1-1/4"	1	.014	5/8"-11	9,000
BW-2441		4"	1-3/8"	2	.020	5/8"-11	9,000
BW-441	BW-9441	4"	1-1/4"	1	.023	5/8"-11	9,000
BW-459		6"	1-1/4"	1	.014	5/8"-11	7,000
BW-461		6"	1-1/4"	1	.023	5/8"-11	7,000
BW-460	BW-9460	6"	1-1/4"	1	.035	5/8"-11	7,000
BW-2461	BW-9461	6"	1-3/8"	2	.023	5/8"-11	6,600
BW-2460		6"	1-3/8"	2	.035	5/8"-11	6,600

### Cup Brushes for Small Angle Grinders



Part No. BW-320



#### Crimped Wire

- Greater brushing flexibility
- Removes light rust & oxides
- Fast brushing action

Steel Part No.	Stainless Part No.	DIA	Trim Length	Wire Size	Arbor Hole	MAX RPM
BW-320		2-3/4"	7/8"	.014	5/8"-11 UNC	14,000
BW-321		2-3/4"	7/8"	.014	1/2"-13 UNC	14,000
BW-322		2-3/4"	7/8"	.014	M-10 x 1.25	14,000
BW-323		2-3/4"	7/8"	.014	M-10 x 1.50	14,000
BW-324		2-3/4"	7/8"	.014	M-14 x 2.0	14,000
BW-325		2-3/4"	7/8"	.014	3/8"- 24 UNF	14,000
BW-326		3-1/2"	3/4"	.014	5/8"-11 UNC	12,000
	BW-9326	3-1/2"	3/4"	.014	5/8"-11 UNC	12,000



Part No. BW-420

#### Knot Style

- Weld cleaning
- Pipe bevel cleaning
- Cleaning hard-to-reach areas

Steel Part No.	Stainless Part No.	DIA	Trim Length	# OF Rows	Wire Size	Arbor Hole	MAX RPM
BW-420	BW-9420	2-3/4"	7/8"	1	.014	5/8"-11 UNC	14,000
BW-421	BW-9421	2-3/4"	7/8"	1	.014	1/2"-13 UNC	14,000
BW-422	BW-9422	2-3/4"	7/8"	1	.014	M-10 x 1.25	14,000
BW-423	BW-9423	2-3/4"	7/8"	1	.014	M-10 x 1.50	14,000
BW-424	BW-9424	2-3/4"	7/8"	1	.014	M-14 x 2.0	14,000
BW-425	BW-9425	2-3/4"	7/8"	1	.014	3/8"-24 UNF	14,000
BW-426	BW-9426	3-1/2"	7/8"	1	.020	5/8"-11 UNC	13,000



Steel Part No.	Stainless Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-730C	BW-720C	3"	3/8"	.014	1/2"-3/8"	25,000
BW-740		4"	1/2"	.014	1/2"-3/8"	20,000
BW-756		4"	1/2"	.020	1/2"-3/8"	20,000
BW-756C		4"	1/2"	.020	1/2"-3/8"	20,000
BW-763	BW-9765	6"	1/2"	.016	5/8"-1/2"	9,000

Stock numbers ending in "C" are display packed for P.O.P merchandising.

Steel Part No.	Stainless Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-855		5"	3/16"	.020	5/8"-11 UNC	12,500
BW-856		5"	3/16"	.020	M-14 x 2.0	12,500
BW-861	BW-862	6"	3/16"	.020	5/8"-11 UNC	12,500
BW-760		6"	1/2"	.023	5/8"-11 UNC	9,000
BW-865		6 7/8"	3/16"	.020	5/8"-11 UNC	9,000

### Knot Style

#### Standard Twist

- Fast cleaning action
- Weld cleaning
- Surface preparation



Part No. BW-740

#### Stringer Bead Twist

- Cleaning stringer bead welds
- Special construction to prevent unwinding of knots
- Quick mount threaded nut



Part No. BW-760

### Knot Style for Small Angle Grinders

Steel Part No.	Stainless Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-750	BW-9750	4"	1/2"	.014	5/8"-11 UNC	20,000
BW-751	BW-9751	4"	1/2"	.014	1/2"-13 UNC	20,000
BW-752	BW-9752	4"	1/2"	.014	M-10 x 1.25	20,000
BW-753	BW-9753	4"	1/2"	.014	M-10 x 1.50	20,000
BW-754	BW-9754	4"	1/2"	.014	M-14 x 2.0	20,000
BW-755	BW-9755	4"	1/2"	.014	3/8"-24 UNF	20,000



#### Standard Twist

- Cleaning grooves and bead welds
- Easy to handle



Part No. BW-750

Steel Part No.	Stainless Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-840	BW-9840	4"	3/16"	.020	5/8"-11 UNC	20,000
BW-841	BW-9841	4"	3/16"	.020	1/2"-13 UNC	20,000
BW-842	BW-9842	4"	3/16"	.020	M-10 x 1.25	20,000
BW-843	BW-9843	4"	3/16"	.020	M-10 x 1.50	20,000
BW-844	BW-9844	4"	3/16"	.020	M-14 x 2.0	20,000
BW-845	BW-9845	4"	3/16"	.020	3/8"-24 UNF	20,000

#### Stringer Bead Twist

- Cleaning of stringer bead welds
- Great for fillet weld cleaning



Part No. BW-840

## Wire Wheel Brushes



Part No. BW-450



- Fast cleaning action
- Surface preparation

### Crimped Wire Wheels for Small Angle Grinders

Steel Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-450	4"	1/2"	.014	5/8"-11 UNC	14,000
BW-451	4"	1/2"	.014	1/2"-13 UNC	14,000
BW-452	4"	1/2"	.014	M-10 x 1.25	14,000
BW-453	4"	1/2"	.014	M-10 x 1.50	14,000
BW-454	4"	1/2"	.014	M-14 x 2.0	14,000
BW-455	4"	1/2"	.014	3/8"-24 UNF	14,000



Part No. BW-591



- Small, high speed angle grinder adapters used to convert 5/8"-11 UNC thread

### Threaded Arbor Adapters for Small Angle Grinders

Part No.	Arbor Hole Conversion Size
BW-591	5/8"-11 to M-10 x 1.25
BW-592	5/8"-11 to M-10 x 1.50
BW-593	5/8"-11 to 3/8"-24



Part No. BW-704



- Clean internal surfaces and hard-to-reach areas
- For use on high speed grinders

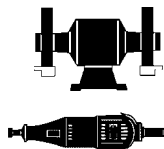
### Small Diameter Crimped Wire Wheels

Steel Part No.	Stainless Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
	BW-9700	2"	3/8"	.006	1/2"-3/8"	20,000
BW-701		2"	3/8"	.0118	1/2"-3/8"	20,000
BW-702		2"	3/8"	.014	1/2"-3/8"	20,000
BW-702C		2"	3/8"	.014	1/2"-3/8"	20,000
BW-703		3"	1/2"	.0118	1/2"-3/8"	20,000
BW-704	BW-9704	3"	1/2"	.014	1/2"-3/8"	20,000
BW-704C		3"	1/2"	.014	1/2"-3/8"	20,000

Stock numbers ending in "C" are display packed for P.O.P merchandising.



Part No. BW-605



- Provide fine to medium brushing action
- Excellent for uneven surfaces

### Bench & Straight Grinder Wheels

Steel Part No.	DIA	Face Width	Wire Size	Arbor Hole	MAX RPM
BW-605	6"	1/2"	.014	5/8"-1/2"	6,000
BW-610	6"	1"	.014	5/8"-1/2"	6,000

### Brush Drive Arbor

Part No.	Arbor Size	Shank Size	Overall Length
BW-594	1/2"	1/4"	1-3/4"

Brush Drive Arbors are display packed for P.O.P merchandising.



Part No. BW-594

## Stem Mounted Brushes



### End Brushes (1/4" Stem)

#### Crimped Wire



Part No. BW-203



Part No. BW-207

Steel Part No.	Stainless Part No.	DIA	Trim Length	Wire Size	MAX PRM
	BW-9206	3/4"	7/8"	.006	22,000
BW-206		3/4"	7/8"	.0104	22,000
BW-204		3/4"	7/8"	.014	22,000
BW-203		3/4"	7/8"	.020	22,000
BW-203C		3/4"	7/8"	.020	22,000
BW-210	BW-9210	1"	7/8"	.006	22,000
BW-209		1"	7/8"	.014	22,000
BW-215C		1"	7/8"	.020	22,000

#### Knot Style

Steel Part No.	Stainless Part No.	DIA	Trim Length	Wire Size	MAX RPM
BW-207		3/4"	7/8"	.014	22,000
BW-208		3/4"	7/8"	.020	22,000
BW-208C		3/4"	7/8"	.020	22,000
BW-211		1 1/8"	7/8"	.014	22,000
BW-212C	BW-9212C	1 1/8"	7/8"	.020	22,000

Stock numbers ending in "C" are display packed for P.O.P merchandising.

### Crimped Wire Brushes (1/4" Stem)

#### Wheels



Part No. BW-217

Steel Part No.	Stainless Part No.	DIA	Trim Length	Wire Size	MAX RPM
BW-217		2"	1/2"	.0118	20,000
BW-217C		2"	1/2"	.0118	20,000
BW-218		3"	1"	.008	20,000
BW-219		3"	1"	.0118	20,000
BW-220	BW-9220	3"	1"	.014	20,000
BW-220C		3"	1"	.014	20,000



### Light Duty Cup Brush



Part No. BW-213C

Steel Part No.	DIA	Trim Length	Wire Size	MAX RPM
BW-213C	2-1/2"	1"	.014	4,500

### Encapsulated Wire Wheel



Part No. BW-214C

Steel Part No.	DIA	Trim Length	Wire Size	MAX RPM
BW-214C	3"	1"	.0118	20,000

### Flared Wheels



Part No. BW-216

Steel Part No.	DIA	Trim Length	Wire Size	MAX RPM
BW-216	2 1/2"	1"	.014	20,000
BW-216C	2 1/2"	1"	.014	20,000

Stock numbers ending in "C" are display packed for P.O.P merchandising.

Note: Brush shanks must be fully inserted into the chuck or collet and tightened securely.

## Hand Scratch Brushes

### Curved Handle Brushes

Steel Part No.	Stainless Part No.	# of Rows	Block Size	Brush Part	Trim Length
BW-103*	BW-9103*	3 x 19	13-3/4" x 15/16"	6"	1-1/8"
BW-104*	BW-9104*	4 x 19	13-3/4" x 1-1/8"	6"	1-3/16"

\* Sold by the dozen



Part No. BW-103

### Shoe Handle Brush

Steel Part No.	Stainless Part No.	# of Rows	Block Size	Brush Part	Trim Length
BW-112*	BW-9112*	4 x 16	10" x 1-1/16"	5"	1-3/16"

\* Sold by the dozen



Part No. BW-112

### Chipping Hammer Brush

Steel Part No.	# of Rows	Wire Size	Block Size	Brush Part	Trim Length
BW-135*	3 x 15	.012	4-5/8" x 7/8"	4-1/2"	1-1/8"
BW-135C	3 x 15	.012	4-5/8" x 7/8"	4-1/2"	1-1/8"

Stock numbers ending in "C" are display packed for P.O.P merchandising.

\* Sold by the dozen



Part No. BW-135

### Weld Cleaning and Inspection Brushes

Stainless Part No.	Brass Part No.	# of Rows	Block Size	Fill Material	Trim Length	Handle
BW-190*		3 x 7	7-1/2" x 1/2"	.006 Stainless Steel	1/2"	Wood
BW-190C		3 x 7	7-1/2" x 1/2"	.006 Stainless Steel	1/2"	Wood
BW-192*		3 x 7	7-1/2" x 1/2"	.006 Stainless Steel	1/2"	Plastic
BW-192C		3 x 7	7-1/2" x 1/2"	.006 Stainless Steel	1/2"	Plastic
BW-195*		2 x 9	8-3/4" x 1/2"	.006 Stainless Steel	5/8"	Wood
BW-195C		2 x 9	8-3/4" x 1/2"	.006 Stainless Steel	5/8"	Wood
	BW-205*	3 X 7	7-1/2" X 1/2"	.006 Straight Brass	1/2"	Wood
	BW-205C	3 X 7	7-1/2" X 1/2"	.006 Straight Brass	1/2"	Wood

"C" items packed 2 per card

\* Sold by the dozen



Part No. BW-190



Part No. BW-192

### Acid Brushes

Part No.	Width	Trim Length	Overall Length
BW-180*	5/16"	3/4"	5-3/4"
BW-180C	5/16"	3/4"	5-3/4"
BW-181*	1/2"	3/4"	5-3/4"

\*Sold by the Gross

"C" items packed 6 per card



Part No. BW-180