

## Knotted Wire Cup Brushes

### Features

- Rigid structure
- Available with or without plastic guard
- Protective guard opens up into a shield

### Benefits

- High impact cutting and cleaning
- Application-specific
- Prevents wire, dust and any kind of projection from reaching the end-user during work
- Provides for a friendly handling of the brush, preventing potential pricking caused by the wire ends, for safety before, during and after work

### Knotted Cup – Single Row

- Single row, twist knot construction

- Limits flaring of the brush on corners and angles

### Knotted Cup – Double Row

- Double row, twist knot construction

- More aggressive; provides twice the cutting points of a single row cup brush



*High-impact cutting and cleaning on more demanding applications such as heavy deburring, weld cleaning and cleaning larger surfaces.*

*Use Double Row Knotted Cup brushes for heavy-duty, aggressive action in very severe applications.*



*Powder-coated and color-coded hubs prevent cross-contamination and rust.*

**Red = for steel use**

**Blue = for stainless steel use**



PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
<b>For Stainless Steel</b>				
<b>Knotted Cup – Single Row</b>				

69936653340	2-3/4 x .020 x 5/8-11	Stainless	15,000	5
66252833947	4 x .020 x 5/8-11	Stainless	9,000	5

<b>For Steel</b>				
<b>Knotted Cup with Protective Guard – Single Row</b>				

66252833492	2-3/4 x .020 x 5/8-11	Carbon	15,000	5
66252833496	4 x .020 x 5/8-11	Carbon	9,000	5
66252833497	5 x .020 x 5/8-11	Carbon	6,500	5

<b>Knotted Cup – Single Row</b>				
69936653336	2-3/4 x .020 x 5/8-11	Carbon	15,000	5
69936653338	2-3/4 x .020 x M10-1.25 / 1.50	Carbon	15,000	5

69936653345	4 x .020 x 5/8-11	Carbon	9,000	5
69936605965	6 x .020 x 5/8-11	Carbon	6,000	5
69936602003	6 x .035 x 5/8-11	Carbon	6,000	5

<b>Knotted Cup – Double Row</b>				
69936653346	6 x .020 x 5/8-11	Carbon	6,000	1*

*All brushes are individually clamshell packaged unless otherwise noted. \*These brushes are bulk packed.*

## High Performance (HP) Cable Crimped Wire Cup Brushes with Protective Guard

### Features

- 12 wires of .009" brass-coated steel (12 x .009) are bundled together into a group then crimped
- Cable crimped wire breaks down in smaller pieces than standard crimped brushes

### Benefits

- Provides for a 50% longer lasting brush compared to standard crimped brushes
- Better flexibility on irregular surfaces
- Safer wire to use

*For light- to medium-duty brushing applications on flat or irregular surfaces, and bevel buffing.*



PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
<b>For Steel</b>				
<b>Crimped Cup with Protective Guard – Single Row</b>				

66252833493	3 x (12 x .009) x 5/8-11	Carbon	13,000	5
66252833494	4 x (12 x .009) x 5/8-11	Carbon	9,000	5
66252833495	5 x (12 x .009) x 5/8-11	Carbon	6,500	5

*All these brushes are individually clamshell packaged.*

## Crimped Wire Cup Brushes

### Features

- Highly flexible
- Heavy wire fill

### Benefits

- Fast cutting



RED COLOR-CODED FOR STEEL

For light- to medium-duty brushing applications on flat or irregular surfaces, and bevel buffing.



PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
<b>For Steel</b>				
69936653341	3 x .014 x 5/8-11	Carbon	13,000	5
69936653347	4 x .014 x 5/8-11	Carbon	9,000	5
69936653348	6 x .014 x 5/8-11	Carbon	6,000	5
69936653349	6 x .020 x 5/8-11	Carbon	6,000	1*

All brushes are individually clamshell packaged unless otherwise noted.  
\*These brushes are bulk packed.

## Wire Saucer Cup Brushes

EXPANDED OFFERING!

### Features

- Twist knot style
- Crimped style

### Benefits

- For heavy-duty cleaning
- For light- to medium-duty cleaning



RED COLOR-CODED FOR STEEL

Ideal for cleaning corners and other hard to reach areas.



PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
<b>For Stainless Steel</b>				
<b>Twist Knot Saucer Cup</b>				
66252835586	5 x .020 x 5/8-11	Stainless	12,500	5
<b>For Steel</b>				
<b>Twist Knot Saucer Cup</b>				
66252833483	4 x .020 x 5/8-11	Carbon	9,000	5
66252835585	5 x .020 x 5/8-11	Carbon	12,500	5
<b>Crimped Saucer Cup</b>				
66252833485	4 x .014 x 5/8-11	Carbon	9,000	5

All these brushes are individually clamshell packaged.

## End Brushes

### Features

- Knot Wire End Brushes
- Crimped Wire End Brushes

### Benefits

- For more aggressive cutting
- For lighter brushing action and contoured surfaces



KNOTTED

CRIMPED

For use on die grinders to clean and deburr a recessed area or the inside diameter of a tube or pipe.



Powder-coated and color-coded hubs prevent cross-contamination and rust.

**Red** = for steel use

**Blue** = for stainless steel use

PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
<b>For Stainless Steel</b>				
<b>Stem Mounted Crimped</b>				
66936606145	3/4 x .006 x 1/4 Shank	Stainless	20,000	10*
<b>For Steel</b>				
<b>Stem Mounted Knotted</b>				
69936653316	3/4 x .020 x 1/4 Shank	Carbon	20,000	10*
69936606279	1 x .014 x 1/4 Shank	Carbon	20,000	10*
69936653310	1 x .020 x 1/4 Shank	Carbon	20,000	10*
<b>Stem Mounted Crimped</b>				
69936653317	3/4 x .014 x 1/4 Shank	Carbon	20,000	10*
69936653309	1 x .020 x 1/4 Shank	Carbon	20,000	10*
<b>Copper Center</b>				
69936653320	2-1/2 x .014 x 1/2-3/8	Carbon	20,000	12*

\* All end brushes are bulk packed.

## TechTip

- Stainless brushes are made of 304L stainless steel with high chromium content to resist corrosion, high tensile resistance and lower carbon content.
- These brushes are suitable for all applications requiring corrosive resistance like the dairy, food processing, chemical processing and aircraft industries, among others.



It is the user's responsibility to refer to and comply with ANSI B165.1



## Crimped Wire Wheel Brushes

### Features

- Dense, high-quality, tempered crimped wire construction



RED COLOR-CODED FOR STEEL

### Benefits

- Offers excellent performance for deburring, removing rust, corrosion and dirt, or for surface preparation

*Narrow-faced brushes are ideal for general purpose brushing of uneven or difficult-to-reach surfaces. Medium-faced brushes clean larger areas and have longer life.*

*Brushes may be used individually or stacked on a shaft.*



PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
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### For Steel

#### Crimped Narrow 1/2" Face

69936653306	6 x .014 x 1/2-2**	Carbon	6,500	1
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#### Crimped Medium 3/4" Face

69936653324	6 x .014 x 1/2-2**	Carbon	6,500	1
69936653326	8 x .014 x 1/2-2**	Carbon	4,500	1

*All these brushes are individually clamshell packaged.*

*\*\*7 bushing sizes are included with each brush.*

## Standard Twist Knot Wire Wheel Brushes

### Features

- Knotted wire design
- Application-specific sizes



### Benefits

- Provides added rigidity for extra cutting power
- Use 3" wheels on die grinders
- Use 4" on right angle grinders
- Use 6" wheels on bench grinders

*Knot wire brushes are ideal for welding and metal fabrication applications such as removing weld scale and spatter, removing extra-heavy rust and corrosion, or surface roughening.*

*Small diameter wheels are used for small- to medium-duty jobs requiring flexibility and lighter brushing action.*

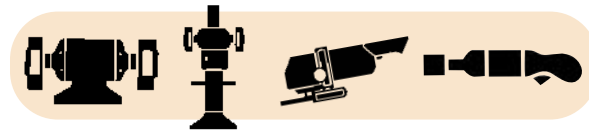
PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
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### For Steel

69936653314	3 x .015 x 3/8-1/2	Carbon	20,000	5
69936606275	4 x .020 x 5/8-11	Carbon	15,000	5
69936653327	6 x .020 x 1/2-2**	Carbon	12,500	5

*All these brushes are individually clamshell packaged.*

*\*\*7 bushing sizes are included with each brush.*



## Full Cable Twist Knot Wire Wheel Brushes

### Features

- Full cable twist knot brushes



### Benefits

- Provide very low flex and high impact cutting and cleaning

*For the tougher applications, especially for weld passes or other demanding applications.*



*Powder-coated and color-coded hubs prevent cross-contamination and rust.*

*Red = for steel use*

*Blue = for stainless steel use*

PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/BOX
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### For Stainless Steel

69936653333	4 x .020 x 5/8-11	Stainless	20,000	5
69936653334	4 x .020 x M10-1.25/1.50	Stainless	20,000	5
66252833488	5 x .020 x 5/8-11	Stainless	12,500	5

### For Steel

69936653331	4 x .020 x 5/8-11	Carbon	20,000	6*
66252833487	5 x .020 x 5/8-11	Carbon	12,500	5
69936653352	6 x .020 x 5/8-11	Carbon	12,500	5

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*\* These items are bulk packed*

## Stringer Bead Knot Wire Brushes

### Features

- Narrow face stringer bead wire
- Joint/Crack cleaning wire wheel brushes

### Benefits

- Delivers high-impact cutting and cleaning for toughest applications
- Used for brushing joints, cleaning cracks in concrete and asphalt, and preparing expansion joints for filling and scaling

Specially suited for groove and weld bead, corners and t-connections.



BLUE COLOR-CODED FOR STAINLESS



RED COLOR-CODED FOR STEEL

PART NO.	BRUSH SIZE DIA. X WIRE SIZE X ARBOR HOLE	WIRE TYPE	MAX. RPM	BRUSHES/ BOX
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### For Stainless Steel

#### For Right Angle Grinders

69936606278	4 x .020 x 5/8-11	Stainless	20,000	5
66252833491	5 x .020 x 5/8-11	Stainless	12,500	6*
69936653351	6 x .023 x 5/8-11	Stainless	9,000	5

### For Steel

#### For Right Angle Grinders

69936606277	4 x .020 x 5/8-11	Carbon	20,000	5
66252833489	4 x .020 x 5/8-11	Carbon	20,000	6*
66252833490	5 x .020 x 5/8-11	Carbon	12,500	6*
69936653350	6 x .020 x 5/8-11	Carbon	12,500	10*
69936653329	6-7/8 x .020 x 5/8-11	Carbon	9,000	10*

#### For Walk-Behind Machines - Joint/Crack Cleaning Brushes

69936606280	12 x .035 x 1 - DP	Carbon	4,500	2*
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All brushes are individually clamshell packaged unless otherwise noted.

\* These items are bulk packed

## Hand Brushes

### Features

- Plastic handle scratch brush
- Long handle and shoe handle brushes

### Benefits

- Ergonomic handle
- Crimped wire for longer life; all other scratch brushes are straight wire
- Wires are wrapped up and around the metal post so they never come out
- Steel scratch brushes are made with high carbon brass coated steel; stainless brushes are made with a 304L stainless steel



Narrow brush allows access into tight areas and slots. Curved face for hard-to-reach places.



PART NO.	BRUSH SIZE DESCRIPTION/SIZE	WIRE TYPE	BRUSHES/ BOX
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### Hand Brushes - For Stainless Steel

66252833950	Scratch Brush 3 x 19 Long Handle	Stainless	12
66252833951	Scratch Brush 4 x 16 Shoe Handle	Stainless	30
66252833953	Scratch Brush Plastic Handle	Stainless	24
66252833952	Inspection Brush 3 x 7	Stainless	36

### Hand Brushes - For Steel

66252833948	Scratch Brush 3 x 19 Long Handle	Carbon	12
66252833949	Scratch Brush 4 x 16 Shoe Handle	Carbon	30
66252833954	Scratch Brush Plastic Handle	Carbon	24

All brushes are individually clamshell packaged unless otherwise noted.

## TechTip

### Observe Wire Brush Safety Warnings to Avoid Injury

- 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. Comply with the requirements of ANSI Z87.1 "Occupational Eye and Face Protection".
- 2 Guards: Keep all machine guards in place.
- 3 Speeds: Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. "MSFS" means Maximum Safe Free Speed (RPM) - free spinning wheel with no work applied. For reasons of safety, the MSFS should not be exceeded under any circumstance.
- 4 Safety Standard: Comply with the safety Standards of the Industrial Division of the American National Standards Institute ANSI B165.1 "Safety Requirements - Power Brushes" and refer to the "Safety" section in the carborundumabrasives.com web site.
- 5 Protective Equipment: Appropriate protective clothing and equipment (such as gloves, respirator, etc.) must be used.

Warning: In normal power brushing operations, the material being removed, such as burrs, scale, dirt, weld slag, or other residue, will fly off the brush with considerable force along with the brush filaments which break off due to fatigue.

The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 or more feet from the brush). To protect against this hazard, before rotating the brush, operators and others in the area must wear SAFETY GOGGLES or FULL FACE SHIELDS WORN OVER SAFETY GLASSES WITH SIDE SHIELDS, along with PROTECTIVE CLOTHING.



It is the user's responsibility to refer to and comply with ANSI B165.1