

NORTON

SAINT-GOBAIN®



GET WIRED FOR SUCCESS – WITH NEW NORTON WIRE BRUSHES

When you need the perfect low-impact solution for refining surfaces without removing any base material, try our new line of Norton wire brushes. This new, economically priced, solid-performance line complements your projects perfectly while bringing real savings to the bottom line. All wire brush basic shapes, wire configurations, and filament materials are available.

KEY APPLICATIONS

REMOVING UNWANTED SURFACE IMPERFECTIONS
NEW COAT PREP | EDGE BLENDING
ROUGHENING FOR ADHESION
FINISHING PREPARATION PRIOR FOR PLATING OR PAINTING

KEY SHAPES

CUP | WHEEL | END | TUBE | HAND

WIRE CONFIGURATION

CRIMPED | TWIST KNOT | STRINGER BEAD

FILAMENT AVAILABILITY

CARBON STEEL | STAINLESS STEEL | BRASS | NYLON

www.nortonabrasives.com

Why Use Norton Wire Brushes vs. Other Brushes, Coated Abrasive, and Surface-Cleaning Products

Norton Wire brushes remove rust and oxidations, paint, slag, weld spatter and other unwanted surface contaminants, without removing any base material. Other products can remove base material along with the surface contaminant. Our flexible wire brushes are able to clean hard-to-reach places and conform to irregular surfaces, which more rigid products cannot do.



Let the tip of the wire brush do the work – operate the brush with the lightest pressure. If heavy pressure is used, wires will be overstressed, resulting in a wiping action, which, if continued, creates wire fatigue and will shorten brush life. Reversing the rotation periodically sharpens the wire tips for faster cutting action and longer life. Use finest suitable wire size.

Workpiece Material To Wire Brush Recommendation Guide

Workpiece Material	Carbon Steel	Stainless Steel	Brass	Nylon
ALUMINUM				
BRASS				
COPPER				
IRON				
PLASTIC				
CARBON STEEL/METAL				
STAINLESS STEEL				
WOOD				

TECH TIP

When to Use Crimped Wire vs. Standard Twist Knot vs. Stringer Bead Twist Knot Brushes

Crimped Wire Brushes
Crimped wire brushes' individual filaments are supported only by each other – creating extra flexibility. Ideal for work on irregular surfaces, finer surface finishing, and light- to medium-duty contaminant removal applications.

Standard Twist Knot Wire Brushes
Ensuring longer life, making them the choice for more aggressive applications requiring higher-impact action, and a rougher surface finish. Standard twist knot brushes are made with straight wire filaments that are twisted together to make more rigid rope- or cable-like pieces.

Stringer Bead Twist Knot Wire Brushes
Stringer bead twist knots (vs. standard twist knots) are more tightly twisted to the end of the knot, creating a narrower face and highest-impact action. The choice for tough weld scale cleaning, removing the bead scale that occurs at the initial joining of two sections of pipe, root and hot weld pass cleaning, and the most aggressive brushing applications.

Wire Diameter

Choose the appropriate wire brush wire diameter for the job

- Very fine to fine wire for light-duty applications
- Medium to coarse wire for heavy-duty applications

Wire	Coarse	Medium to Coarse	Medium	Fine	Very Fine					
DIAMETER IN INCHES	.032	.020	.020	.015	.012	.0104	.010	.008	.006	.005
DIAMETER IN MM	0,80	0,50	0,50	0,37	0,30	0,26	0,25	0,20	0,15	0,13

TECH TIP

Trim Length

Choose the appropriate trim length for the job. "Trim Length" equals the amount of usable filament:

- Longer trim lengths are more flexible, making them the choice for irregular surfaces
- Shorter trim lengths are fast acting and more rigid, so better for more severe applications

TECH TIP

Filament Do's and Don'ts

Excessive pressure bends and could break brush filaments. Instead of increasing the pressure applied, consider:

- A more aggressive brush:
 - Increasing wire diameter
 - Shorter trim length
- Different brush type, e.g. twist knot versus crimped wire
- Increasing RPM without exceeding the MAX RPMs marked on the brush

WIRE CUP BRUSHES

Applications: deburring; roughing; cleaning rust, scale, paint and oxidation; cleaning corners, recesses, and other hard-to-reach areas and removing concrete and large surfaces

Machines: right angle cup grinder



Standard Twist Knot - Carbon Steel



Standard Twist Knot - Stainless

Twist Knot Wire Cup Brushes

Their more rigid structure allows efficient, high-impact cutting and cleaning on more demanding applications. Single row construction limits flaring of the brush on corners and angles

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Twist Knot Wire Cup Brushes – Single Row – With Arbor Hole						
2-3/4" x 0.014" x 5/8"-11	14,000	Carbon Steel	–	1"	5	662528 39109
2-3/4" x 0.014" x 5/8"-11	14,000	Stainless Steel	–	7/8"	5	662528 38871
2-3/4" x 0.014" x 5/8"-11	14,000	Carbon Steel	–	7/8"	5	662528 38870
2-3/4" x 0.020" x 5/8"-11	14,000	Carbon Steel	–	1"	10	662528 39033
2-3/4" x 0.020" x 5/8"-11	14,000	Stainless Steel	–	1"	5	662528 38812
2-3/4" x 0.020" x 5/8"-11	14,000	Carbon Steel	–	7/8"	5	662528 38872
3" x 0.020" x 5/8"-11	14,000	Carbon Steel	–	7/8"	5	662528 38835
3" x 0.020" x 5/8"-11	14,000	Stainless Steel	–	7/8"	5	662528 39127
3" x 0.020" x M10	14,000	Carbon Steel	–	7/8"	5	662528 39075
3-1/2" x 0.020" x 5/8"-11	13,000	Carbon Steel	–	1-3/8"	5	662528 38868
3-1/2" x 0.023" x 5/8"-11	13,000	Carbon Steel	–	7/8"	5	662528 38813
4" x 0.014" x 5/8"-11	9,000	Carbon Steel	–	1-1/4"	5	662528 39060
4" x 0.020" x 5/8"-11	9,000	Carbon Steel	–	1-1/8"	10	662528 39103
4" x 0.023" x 5/8"-11	9,000	Carbon Steel	–	1-1/4"	5	662528 39090
6" x 0.014" x 5/8"-11	6,600	Carbon Steel	–	1-3/8"	5	662528 39037
6" x 0.020" x 5/8"-11	6,000	Carbon Steel	–	1-3/8"	5	662528 39104
6" x 0.020" x 5/8"-11	6,000	Stainless Steel	–	1-3/8"	5	662528 39129
6" x 0.023" x 5/8"-11	6,600	Carbon Steel	–	1-3/8"	5	662528 39091



Crimped Wire - Carbon Steel - with Arbor Hole



Crimped Wire - Carbon Steel - Shank Mounted



Crimped Wire - Brass- Shank Mounted

Crimped Wire Cup Brushes

For light- to medium-duty brushing applications on flat or irregular surfaces, and bevel buffing where added flexibility is needed; fast-cutting and flexible, with heavy wire fill

- Machine for cups with arbor holes: right angle cup grinder
- Machine for shank mounted cups: straight in-line grinder, pencil grinder

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Crimped Wire Cup Brushes – With Arbor Hole						
2-3/4" x 0.014" x 5/8"-11	14,000	Carbon Steel	–	1"	5	662528 38856
2-3/4" x 0.020" x 3/8"-24	14,000	Carbon Steel	–	1"	5	662528 39080
3" x 0.014" x 5/8"-11	14,000	Carbon Steel	–	13/16"	5	662528 39076
3" x 0.014" x 5/8"-11	14,000	Carbon Steel	–	1"	10	662528 39034
4" x 0.014" x 5/8"-11	9,000	Carbon Steel	–	1-1/8"	10	662528 39121
5" x 0.014" x 5/8"-11	8,000	Carbon Steel	–	1-3/8"	5	662528 39105
5" x 0.020" x 5/8"-11	8,000	Carbon Steel	–	1-1/2"	5	662528 38864
Crimped Wire Cup Brushes – Shank Mounted						
5/8" x 0.005" x 1/8"	37,000	Brass	–	1/4"	100	662528 39087
1-3/4" x 0.006" x 1/4"	13,000	Carbon Steel	–	1/2"	10	662528 38857
1-3/4" x 0.012" x 1/4"	13,000	Carbon Steel	–	1/2"	10	662528 38858
1-3/4" x 0.012" x 1/4"	13,000	Carbon Steel	–	3/4"	12	662528 39028
2" x 0.010" x 1/4"	10,500	Stainless Steel	–	5/8"	12	662528 38859
2" x 0.012" x 1/4"	13,000	Carbon Steel	–	5/8"	12	662528 39110
2-1/4" x 0.014" x 1/4"	4,500	Carbon Steel	–	5/8"	10	662528 38860



WIRE WHEEL BRUSHES

Applications: from the toughest, more aggressive surface cleaning applications, including removing weld scale, spatter, extra-heavy rust and corrosion, cleaning pipe joints, or surface roughening to light- to medium- duty surface cleaning and contaminant removal

Machines: see specific machines for each wire wheel below



Standard Twist Knot - Carbon Steel - with Arbor hole

Standard Twist Knot Wire Wheel Brushes

Our twist knot wire design provides added rigidity for extra cutting and cleaning power, and a rougher surface finish.

- Wheel brushes with arbor holes perform well on more aggressive applications requiring high-impact action: tough welding and metal fabrication applications, including removing weld scale, spatter, extra-heavy rust.
- These shank-mounted wheel brushes are used for small-to medium-duty jobs requiring some flexibility and lighter brushing action for corrosion, or surface roughing applications. These brushes are used on straight shaft, die, pencil grinders, drills and right angle grinders.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Standard Twist Knot Wire Wheel Brushes – With Arbor Hole						
3" x 0.014" x 3/8"	25,000	Carbon Steel	3/8"	5/8"	1	662528 39021
4" x 0.014" x 5/8"-11	20,000	Carbon Steel	5/16"	7/8"	5	662528 39011
4" x 0.014" x 5/8"-11	20,000	Carbon Steel	1/2"	7/8"	10	662528 39052
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	1/2"	7/8"	10	662528 39035
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	1/2"	7/8"	5	662528 39078
4" x 0.020" x 5/8"-11	20,000	Stainless Steel	1/4"	3/4"	10	662528 39132
4" x 0.020" x 5/8"-11	20,000	Stainless Steel	1/2"	7/8"	5	662528 39020
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	9/16"	7/8"	10	662528 39019
6" x 0.014" x 5/8"	9,000	Carbon Steel	1/2"	1-1/2"	5	662528 39014
6" x 0.020" x 5/8"-11	12,000	Carbon Steel	5/8"	1-1/4"	5	662528 39107
6" x 0.020" x 5/8"-11	9,000	Stainless Steel	5/8"	1-1/4"	5	662528 39594
6" x 0.025" x 5/8"-11	9,000	Carbon Steel	5/8"	1-1/4"	5	662528 39593
Standard Twist Knot Wire Wheel Brushes – Shank-Mounted						
3" x 0.014" x 1/4"	25,000	Carbon Steel	1/4"	5/8"	12	662528 39015
3-1/4" x 0.014" x 1/4"	25,000	Carbon Steel	3/8"	5/8"	10	662528 39031
4" x 0.014" x 1/4"	20,000	Carbon Steel	1/2"	7/8"	8	662528 39032



Standard Twist Knot - Carbon Steel - Shank Mounted



Stringer Bead Knot - Carbon Steel - with Arbor hole

Stringer Bead Twist Knot Wire Wheel Brushes

The choice for toughest weld scale cleaning; removing the bead scale that occurs at the initial joining of two sections of pipe; root, and hot weld pass cleaning, and the most aggressive brushing applications. Stringer Bead Twist Knot Wire Wheel Brushes are best used on right angle grinders for difficult jobs.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Stringer Bead Knot Wire Wheel Brushes – With Arbor Hole						
3" x 0.020" x 1/4"	20,000	Carbon Steel		1"	10	662528 39096
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	3/16"	7/8"	10	662528 39036
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	1/4"	7/8"	5	662528 38997
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	1/2"	7/8"	10	662528 39130
4" x 0.020" x 5/8"-11	20,000	Carbon Steel	1/2"	1"	10	662528 39106
4" x 0.020" x 5/8"-11	20,000	Stainless Steel	3/16"	7/8"	10	662528 39039
4" x 0.020" x 5/8"-11	20,000	Stainless Steel	1/4"	7/8"	10	662528 38998
4" x 0.020" x M10	20,000	Stainless Steel	3/16"	7/8"	10	662528 39038
4-1/2" x 0.020" x 5/8"-11	15,000	Carbon Steel	3/16"	13/16"	5	662528 39111
5" x 0.020" x 5/8"-11	12,000	Stainless Steel	1/2"	7/8"	5	662528 39133
6-7/8" x 0.020" x 5/8"-11	9,000	Carbon Steel	3/16"	1-1/8"	5	662528 39026



Crimped Wire Narrow Face - Carbon Steel - with Arbor hole



Crimped Wire - Carbon Steel - Shank Mounted



Crimped Wire - Brass - Shank Mounted

Crimped Wire Wheel Brushes

Shank-mounted wheel brushes are used on straight shaft, die, and pencil grinders, and drills. Wheel brushes with arbor holes are used on bench and pedestal grinders. Their extra flexibility and lower impact makes these brushes an excellent choice for cleaning irregular surfaces and finer surface finishing, and light to medium duty surface contaminant removal applications. May be used individually or stacked on a shaft.

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

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Crimped Wire Wheel Brushes with Narrow Faces – With Arbor Hole						
1" x 0.008" x 5/16"	20,000	Carbon Steel	5/32"	3/16"	20	662528 38949
2" x 0.014" x 1/2"	20,000	Carbon Steel	3/8"	1/2"	12	662528 39023
3" x 0.005" x 1/2"	20,000	Stainless Steel	1/4"	1"	10	662528 38960
3" x 0.014" x 1/2"	20,000	Carbon Steel	5/8"	1"	10	662528 39024
4" x 0.014" x 5/8"-11	15,000	Carbon Steel	7/16"	7/8"	5	662528 39001
6" x 0.014" x 5/8"	6,000	Carbon Steel	3/4"	1-1/8"	5	662528 39097
6" x 0.014" x 5/8"	6,000	Carbon Steel	3/4"	1-7/16"	5	662528 39088
8" x 0.014" x 5/8"	4,000	Carbon Steel	3/4"	1-9/16"	5	662528 39099
8" x 0.014" x 5/8"	6,000	Carbon Steel	3/4"	2-1/16"	5	662528 39089
8" x 0.014" x 1-1/4"	4,500	Carbon Steel	5/8"	1-1/2"	5	662528 38978
Crimped Wire Wheel Brushes with Medium Faces – With Arbor Hole						
6" x 0.014" x 5/8"	6,000	Carbon Steel	1"	1-1/8"	5	662528 39098
8" x 0.014" x 5/8"	4,000	Carbon Steel	1"	1-9/16"	5	662528 39100
8" x 0.014" x 2"	4,500	Carbon Steel	1"	1-3/8"	5	662528 39025
10" x 0.014" x 3/4"	3,600	Carbon Steel	1-9/16"	2-1/2"	1	662528 39102
12" x 0.012" x 2"	3,600	Carbon Steel	2"	3-1/4"	1	662528 39006
Crimped Wire Wheel Brushes with Narrow Faces – Shank-Mounted						
3/4" x 0.005" x 3/16"	37,000	Carbon Steel	1/32"	3/16"	100	662528 39084
1" x 0.005" x 1/8"	37,000	Brass	1/8"	5/16"	100	662528 39085
1-1/2" x 0.008" x 1/4"	25,000	Carbon Steel	1/4"	1/4"	20	662528 38962
1-1/2" x 0.0118" x 1/4"	20,000	Carbon Steel	7/16"	3/8"	12	662528 38999
1-1/2" x 0.014" x 1/4"	25,000	Carbon Steel	1/4"	1/4"	20	662528 38963
2" x 0.006" x 1/4"	20,000	Carbon Steel	3/8"	1/2"	20	662528 39029
2" x 0.008" x 1/4"	25,000	Carbon Steel	3/8"	7/16"	20	662528 38964
2" x 0.0118" x 1/4"	20,000	Carbon Steel	3/8"	1/2"	20	662528 39030
2" x 0.014" x 1/4"	25,000	Carbon Steel	3/8"	7/16"	12	662528 38965
2" x 0.020" x 1/4"	25,000	Carbon Steel	3/8"	7/16"	20	662528 38966
2-1/2" x 0.008" x 1/4"	25,000	Carbon Steel	7/16"	11/16"	10	662528 38967
2-1/2" x 0.014" x 1/4"	25,000	Carbon Steel	7/16"	11/16"	12	662528 38968
3" x 0.008" x 1/4"	20,000	Carbon Steel	1/2"	1"	10	662528 39092
3" x 0.008" x 1/4"	25,000	Carbon Steel	7/16"	3/4"	10	662528 38969
3" x 0.008" x 1/4"	25,000	Stainless Steel	7/16"	3/4"	12	662528 38972
3" x 0.0118" x 1/4"	20,000	Carbon Steel	1/2"	1"	10	662528 39093
3" x 0.014" x 1/4"	20,000	Carbon Steel	3/8"	1/4"	12	662528 39000
3" x 0.014" x 1/4"	25,000	Carbon Steel	7/16"	3/4"	10	662528 38970
3" x 0.014" x 1/4"	25,000	Stainless Steel	7/16"	3/4"	12	662528 38973
3" x 0.014" x 1/4"	20,000	Stainless Steel	1/2"	1"	20	662528 39048
3" x 0.020" x 1/4"	25,000	Carbon Steel	7/16"	3/4"	12	662528 38971
3" x 0.020" x 1/4"	20,000	Carbon Steel	1/2"	1"	12	662528 39096
4" x 0.014" x 1/4"	25,000	Carbon Steel	1/2"	1"	12	662528 38974



Radial - Nylon - with Arbor hole

Radial Wheel

Nylon Radial Wheel Brushes are best used for deburring, surface and light cleaning, adding an edge radius, on ferrous and non-ferrous parts. The long trim length is ideal when used on intricate or irregular parts.

Machine: Bench and Pedestal, Automated CNC, Inline Grinders

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Radial Wheel						
3" x 3/8" x 5/8"	15,000	Nylon	3/8"	15/16"		662528 38842



END BRUSHES WITH STEMS

Applications: Clean and deburr recessed areas or inside diameters of tubes and pipes to proper surface finish; rubber and plastic flash removal; paint and rust removal, and mold and tool polishing

Machines: CNC, Robotic, die grinders, and drill presses



End Brush, -Twist Knot - Carbon Steel

Twist Knot Wire End Brush

Their added wire rigidity makes these brushes the choice for more aggressive cutting.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Twist Knot Wire End Brushes						
1/2" x 0.006" x 1/4"	22,000	Carbon Steel	--	1-1/8"	20	662528 38876
1/2" x 0.014" x 1/4"	22,000	Carbon Steel	--	1-1/8"	20	662528 38877
3/4" x 0.014" x 1/8"	22,000	Carbon Steel	--	7/8"	20	662528 39056
3/4" x 0.014" x 1/4"	22,000	Carbon Steel	--	7/8"	20	662528 38879
3/4" x 0.020" x 1/4"	22,000	Carbon Steel	--	7/8"	20	662528 39057
3/4" x 0.020" x 1/4"	22,000	Carbon Steel	--	1-1/8"	20	662528 38878
3/4" x 0.020" x 1/4"	20,000	Stainless Steel	--	1"	20	662528 39116
3/4" x 0.020" x 1/4"	20,000	Stainless Steel	--	1"	20	662528 39118
1" x 0.006" x 1/4"	20,000	Stainless Steel	--	1-1/8"	20	662528 38885
1" x 0.010" x 1/4"	20,000	Stainless Steel	--	1-1/8"	25	662528 38886
1" x 0.014" x 1/4"	20,000	Carbon Steel	--	1"	20	662528 38882
1" x 0.014" x 1/4"	20,000	Stainless Steel	--	1"	20	662528 38887
1" x 0.020" x 1/4"	20,000	Carbon Steel	--	1"	25	662528 39117
1" x 0.020" x 1/4"	20,000	Stainless Steel	--	1"	20	662528 39119



End Brush, -Circular Flared Crimped Wire - Carbon Steel

Insert Circular Flared Crimped Wire End Brush

The flared end configuration facilitates interior side cleaning and will not harm the bottom of the hole.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Circular Flared Crimped End Brushes						
1-1/2" x 0.006" x 1/4"	20,000	Carbon Steel	--	7/8"	12	662528 39108
1-1/2" x 0.020" x 1/4"	15,000	Carbon Steel	--	1"	12	662528 38898
2" x 0.010" x 1/4"	15,000	Carbon Steel	--	1-1/8"	10	662528 38899
3" x 0.008" x 1/4"	16,000	Carbon Steel	--	7/8"	12	662528 39047



End Brush, - Encapsulated Hollow Center Crimped Wire - Carbon Steel

Encapsulated Hollow Center Crimped Wire End Brush

Their hollow centers effectively allow these brushes to clean around protrusions and also prevent the wires from meshing together. Encapsulating a portion of the wires' length shortens the free wires, increasing the wires' stiffness, thereby creating greater control of the brush.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Encapsulated Hollow Center Crimped Wire End Brush						
1/2" x 0.010" x 1/4"	18,000	Carbon Steel	--	1"	20	662528 38907



End Brush, -Crimped - Stainless Steel

Crimped Wire End Brushes

Designed to generate lighter brushing action and reach into contoured surfaces.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Crimped Wire End Brushes						
1/4" x 0.005" x 1/8"	37,000	Stainless Steel	--	7/16"	12	662528 39086
1/2" x 0.005" x 1/4"	25,000	Stainless Steel	--	1"	20	662528 38902
1/2" x 0.006" x 1/4"	25,000	Carbon Steel	--	3/8"	20	662528 39040
1/2" x 0.006" x 1/4"	25,000	Carbon Steel	--	1"	20	662528 38889
1/2" x 0.006" x 1/4"	25,000	Stainless Steel	--	1"	20	662528 39043
1/2" x 0.010" x 1/4"	25,000	Carbon Steel	--	1"	20	662528 38890
1/2" x 0.010" x 1/4"	25,000	Stainless Steel	--	1"	20	662528 39044
1/2" x 0.014" x 1/4"	25,000	Carbon Steel	--	7/8"	20	662528 39042
1/2" x 0.014" x 1/4"	25,000	Stainless Steel	--	1"	20	662528 38888
1/2" x 0.020" x 1/4"	25,000	Carbon Steel	--	1"	20	662528 38891
3/4" x 0.010" x 1/4"	22,000	Carbon Steel	--	3/8"	20	662528 39053
3/4" x 0.020" x 1/4"	20,000	Carbon Steel	--	7/8"	20	662528 39112
3/4" x 0.020" x 1/4"	22,000	Carbon Steel	--	1"	20	662528 38892
1" x 0.005" x 1/4"	22,000	Stainless Steel	--	1"	20	662528 38896
1" x 0.006" x 1/4"	22,000	Carbon Steel	--	1"	25	662528 39045
1" x 0.006" x 1/4"	22,000	Stainless Steel	--	1"	25	662528 38838
1" x 0.010" x 1/4"	22,000	Carbon Steel	--	3/8"	20	662528 39054
1" x 0.010" x 1/4"	22,000	Stainless Steel	--	1"	25	662528 39055
1" x 0.010" x 1/4"	22,000	Stainless Steel	--	1"	20	662528 38897
1" x 0.014" x 1/4"	20,000	Carbon Steel	--	3/4"	20	662528 39094
1" x 0.014" x 1/4"	22,000	Carbon Steel	--	1"	20	662528 39046
1" x 0.020" x 1/4"	20,000	Carbon Steel	--	7/8"	20	662528 39095
1" x 0.020" x 1/4"	20,000	Carbon Steel	--	1"	20	662528 39113
1" x 0.020" x 1/4"	22,000	Carbon Steel	--	1"	20	662528 39115
3" x 0.008" x 1/4"	15,000	Carbon Steel	--	1-5/8"	20	662528 38900



End Brush, - Encapsulated Hollow Center Crimped Wire - Stainless

Pencil Crimped Wire End Brush

These brushes are designed to clean counter bores, slots, blind holes, and small crevices; and light spot facing of aluminum or iron sand castings.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Pencil Crimped Wire End Brush						
1/4" x 0.010" x 5/16"	10,000	Stainless Steel	--	3/8"	12	662528 38906



End Brush, - Insert Circular Flared Crimped Wire - Carbon Steel

Pilot End Brush

Specially designed to clean around rivet or bolt holes; the pilot guides the brushes.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Pilot Crimped Wire End Brushes						
1/2" x 0.004" x 1/4"	25,000	Carbon Steel	--	3/8"	20	662528 38904



TUBE BRUSHES

Applications: cleaning, polishing, reaming, finishing and removing debris, burrs, rust, residues, and surface contaminants inside cylindrical items, including tubes, pipes, bottles, smooth-sided and threaded holes, and other industrial components.

Machines: use manually or fastened to portable or fixed machines (including drills, drill presses, and CNC machines).

Single Stem, Single Spiral Tube Brush – With Eye Loop

These spiral brushes have a single layer of filament twisted around a stem wire to create additional strength and higher density fill brushes. This spiral configuration ensures consistent and constant abrasive contact with the tube.



Tube Brush, - Single Stem, Single Spiral - Carbon Steel

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Single Stem, Single Spiral Tube Brush – With Eye Loop						
3/16" x 0.003" x 0.094"	2,000	Carbon Steel	–	1-1/2"	12	662528 38822
3/16" x 0.004" x 0.094"	3,000	Carbon Steel	–	5/64"	12	662528 38913
1/4" x 0.003" x 0.094"	2,000	Carbon Steel	–	1-1/2"	12	662528 38823
1/4" x 0.003" x 0.094"	2,000	Stainless Steel	–	1-1/2"	12	662528 38824
1/4" x 0.003" x 0.094"	2,000	Brass	–	1-1/2"	12	662528 38840
1/4" x 0.004" x 0.115"	3,000	Carbon Steel	–	5/64"	12	662528 38914
1/4" x 0.006" x 0.115"	3,000	Carbon Steel	–	5/64"	12	662528 38915
3/8" x 0.004" x 0.125"	2,000	Stainless Steel	–	2"	12	662528 38825
3/8" x 0.004" x 0.125"	2,000	Brass	–	2"	12	662528 38826
3/8" x 0.004" x 0.132"	3,000	Carbon Steel	–	1/8"	12	662528 38916
3/8" x 0.006" x 0.168"	3,000	Carbon Steel	–	1/8"	12	662528 38917
3/8" x 0.006" x 0.168"	3,000	Stainless Steel	–	1-1/2"	12	662528 38946
7/16" x 0.005" x 0.125"	3,000	Carbon Steel	–	11/64"	12	662528 38911 *
7/16" x 0.010" x 0.125"	3,000	Nylon	–	7/64"	12	662528 38947
1/2" x 0.008" x 0.221"	3,000	Carbon Steel	–	9/64"	12	662528 38918
1" x 0.010" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39074 *

* Parts do not have eye loop

Double Stem, Single Spiral Tube Brush – with Stem

These brushes have two stem wires. This results in a brush with high strength and one with consistent and constant abrasive contact with the tube.



SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Double Stem, Single Spiral Tube Brush – with Stem						
1/2" x 0.006" x 0.188"	2,000	Brass	–	2"	12	662528 38839
3/4" x 0.040" x 0.238"	3,000	Nylon/SC 80 Grit	–	3/8"	12	662528 38850

Power Burr, Single Spiral Tube Brush – with Stem

Power burr brushes are used to remove burrs resulting from previous operations. They are designed to remove burrs without creating secondary burrs or leaving sharp edges.



SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Power Burr Single Spiral Tube Brushes – with Stem						
1/4" x 0.004" x 0.125"	2,000	Carbon Steel	–	1"	12	662528 39061
1/4" x 0.004" x 0.125"	2,000	Stainless Steel	–	1"	12	662528 39081
3/8" x 0.004" x 0.125"	2,000	Carbon Steel	–	1"	12	662528 39062
3/8" x 0.004" x 0.125"	2,000	Stainless Steel	–	1"	12	662528 39050
3/8" x 0.005" x 0.125"	3,000	Carbon Steel	–	9/64"	12	662528 38910
1/2" x 0.005" x 0.188"	2,000	Stainless Steel	–	1"	12	662528 39051
1/2" x 0.005" x 0.188"	2,000	Carbon Steel	–	1"	12	662528 39063
5/8" x 0.005" x 0.188"	2,000	Carbon Steel	–	1"	12	662528 39064
3/4" x 0.006" x 0.219"	2,000	Stainless Steel	–	1"	12	662528 39082
3/4" x 0.006" x 0.219"	2,000	Carbon Steel	–	1"	12	662528 39065
1" x 0.005" x 0.250"	2,000	Stainless Steel	–	1"	12	662528 39083
1" x 0.008" x 0.125"	3,000	Carbon Steel	–	15/32"	12	662528 38912
1" x 0.008" x 0.250"	2,000	Carbon Steel	–	1"	12	662528 39066



Double Stem, Double Spiral Tube Brush – with Stem

Brush filaments are twisted between two stem wires with two layers of filament bristles. Each layer is perpendicular to the other with a single stem wire in each of the brush's four sections. This configuration ensures consistent and constant abrasive contact with the tube.

Encapsulated Double Stem, Double Spiral Tube Brush – With Stem

Encapsulating a portion of the wires' length shortens the free wires, increasing their stiffness, thereby creating greater control of the brush and a brush with the highest filament density and highest strength.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	BRUSH LENGTH	STD. PKG.	NORTON PART #
Double Stem, Double Spiral Tube Brush – with Stem						
3/8" x 0.060" x 0.125"	2,000	Carbon Steel	–	1-1/2"	12	662528 38827
1/2" x 0.004" x 0.156"	2,000	Carbon Steel	–	2"	12	662528 38828
1/2" x 0.004" x 0.187"	3,000	Carbon Steel	–	5/32"	12	662528 38919
1/2" x 0.006" x 0.156"	2,000	Carbon Steel	–	2"	12	662528 39067
1/2" x 0.006" x 0.156"	2,000	Stainless Steel	–	2"	12	662528 38829
1/2" x 0.006" x 0.187"	3,000	Carbon Steel	–	5/32"	12	662528 38920
5/8" x 0.005" x 0.219"	2,000	Carbon Steel	–	2"	12	662528 39068
5/8" x 0.006" x 0.208"	3,000	Carbon Steel	–	2"	12	662528 38921
5/8" x 0.008" x 0.219"	2,000	Carbon Steel	–	2"	12	662528 38831
5/8" x 0.010" x 0.208"	3,000	Carbon Steel	–	13/64"	12	662528 38922
5/8" x 0.010" x 0.208"	3,000	Stainless Steel	–	13/64"	12	662528 38930
3/4" x 0.004" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39072
3/4" x 0.006" x 0.238"	3,000	Carbon Steel	–	1/4"	12	662528 38923
3/4" x 0.006" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39069
3/4" x 0.006" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 38832
3/4" x 0.010" x 0.238"	3,000	Carbon Steel	–	1/4"	12	662528 38924
7/8" x 0.004" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39073
7/8" x 0.006" x 0.238"	3,000	Carbon Steel	–	2"	12	662528 38925
7/8" x 0.006" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39070
1" x 0.006" x 0.238"	3,000	Carbon Steel	–	25/64"	12	662528 38926
1" x 0.006" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 39071
1" x 0.010" x 0.238"	3,000	Carbon Steel	–	2"	12	662528 38927
1-1/4" x 0.004" x 0.250"	2,000	Carbon Steel	–	2-1/2"	12	662528 38833
1-1/4" x 0.010" x 0.238"	3,000	Carbon Steel	–	1/2"	12	662528 38928
2" x 0.010" x 0.238"	3,000	Carbon Steel	–	7/8"	10	662528 38929
Encapsulated Double Stem, Double Spiral Tube Brush – With Stem						
7/8" x 0.010" x 0.250"	3,000	Carbon Steel	–	2-1/4"	20	662528 38948

Flue Double Spiral Tube Brushes – With 1/4" x 2" NPT Pipe Nipple

These aggressive brushes are designed specifically for efficient pipe and boiler cleaning.



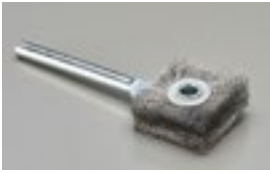
SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Flue Double Spiral Tube Brush – With 1/4" x 2" NPT Pipe Nipple						
3/4" x 0.010" x 0.238"	3,000	Carbon Steel	–	1/4"	12	662528 38931
1" x 0.010" x 0.313"	3,000	Carbon Steel	–	25/64"	12	662528 38932
1-1/4" x 0.012" x 0.313"	3,000	Carbon Steel	–	1/2"	12	662528 38933
1-3/4" x 0.012" x 0.313"	3,000	Carbon Steel	–	1/2"	12	662528 38934
2-1/4" x 0.012" x 0.313"	3,000	Carbon Steel	–	1/2"	12	662528 38935
2-3/4" x 0.014" x 0.313"	3,000	Carbon Steel	–	1/2"	12	662528 38936

Side-Action Tube (Burrite) Crimped Wire Tube Brushes

Their dense side filament configuration creates increased bristle rigidity with minimal flexing, to aggressively clean the tube without changing its geometry or surface finish.



SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Side-Action (Burrite) Crimped Wire Tube Brush – with Stem						
1/4" x 0.003" x 0.094"	3,000	Carbon Steel	–	5/64"	12	662528 38908
5/16" x 0.005" x 0.094"	2,000	Carbon Steel	–	9/16"	10	662528 38834
5/8" x 0.005" x 0.125"	3,000	Carbon Steel	–	1/4"	12	662528 38909



Internal Finishing Crimped Wire Tube Brush

This square-trimmed crimped wire brush is used to clean internal surfaces in a single operation because it can simultaneously brush both the sides and bottom of a hole.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Internal Finishing Crimped Wire Tube Brush – with Stem						
1-1/4" x 0.006" x 0.250"	4,500	Carbon Steel	–	3/8"	10	662528 38945



Micro Abrasive Single Spiral Nylon Tube Brush – With Stem

Micro brushes are ideal for ultra-fine deburring, cleaning, polishing and finishing applications.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Micro Abrasive Single Spiral Nylon Tube Brush – With Stem						
3/16" x 0.012" x 0.093"	3,000	Nylon/AO 600 Grit	–	3/64"	12	662528 38853
.190" x 0.012" x 0.087"	1,500	Nylon/AO 600 Grit	–	1"	12	662528 38814
0.260" x 0.012" x 0.115"	1,500	Nylon/AO 600 Grit	–	1"	12	662528 38815
0.325" x 0.012" x 0.115"	1,500	Nylon/AO 600 Grit	–	1"	12	662528 38816
0.325" x 0.012" x 0.121"	3,000	Nylon/AO 600 Grit	–	1"	12	662528 38854
33/64" x 0.012" x 0.175"	3,000	Nylon/AO 600 Grit	–	3/16"	12	662528 38855
33/64" x 0.022" x 0.175"	3,000	Nylon/SC 320 Grit	–	3/16"	12	662528 38851
1-1/64" x 0.022" x 0.255"	3,000	Nylon/SC 320 Grit	–	3/8"	12	662528 38852



Single Spiral Nylon Hand Tube Brush – With Eye Loop

These brushes are made with larger stem wires to give them the strength and rigidity needed for manual cleaning applications.

SIZE	MAX. RPM	WIRE TYPE	FACE WIDTH	TRIM LENGTH	STD. PKG.	NORTON PART #
Single Spiral Nylon Hand Tube Brush – With Eye Loop						
1/4" x 0.005" x 0.094"	3,000	Nylon	–	9/64"	12	662528 38937
1/4" x 0.005" x 0.094"	2,000	Nylon	–	2"	12	662528 38818
3/8" x 0.005" x 0.094"	2,000	Nylon	–	2"	12	662528 38819
3/8" x 0.005" x 0.094"	3,000	Nylon	–	9/64"	12	662528 38938
1/2" x 0.008" x 0.094"	3,000	Nylon	–	3"	12	662528 38939
1/2" x 0.010" x 0.125"	2,000	Nylon	–	3"	12	662528 38820
3/4" x 0.012" x 0.125"	3,000	Nylon	–	21/64"	12	662528 38940
3/4" x 0.012" x 0.125"	2,000	Nylon	–	3"	12	662528 38821
1" x 0.010" x 0.156"	3,000	Nylon	–	25/64"	12	662528 38941
1" x 0.022" x 0.250"	1,500	Nylon	–	2-1/2"	12	662528 38817
1-1/4" x 0.010" x 0.156"	3,000	Nylon	–	1/2"	12	662528 38942
1-1/2" x 0.010" x 0.219"	3,000	Nylon	–	1/2"	12	662528 38943
2" x 0.010" x 0.219"	3,000	Nylon	–	1/2"	12	662528 38944

TECH TIP

Safety First!

Wear protective clothing, Do not over-speed the brush. Use appropriate machine guards. And read and comply with ANSI B165 "Power-Driven Brushing Tools: Safety Requirement for the Design, Care, and Use." and safety documents in their packages and on www.nortonabrasives.com website.



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