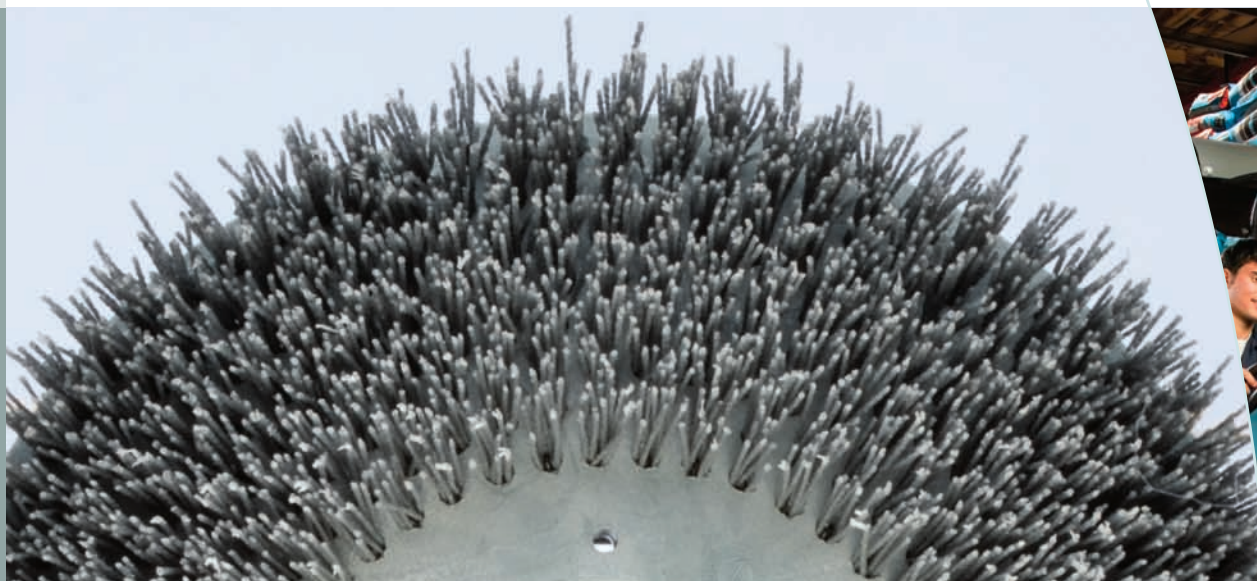




CREATING A CLEANER, SAFER, HEALTHIER WORLD.

PARTS AND SERVICE



# Tennant *True*® Brushes

GET SUPERIOR CLEANING PERFORMANCE FROM YOUR TENNANT® MACHINES

- Designed specifically for your Tennant machine
- Maximize cleaning effectiveness in one pass
- Achieve better cleaning performance and lower total cost

TENNANT PROVIDES THE  
BEST OVERALL VALUE AND THE  
LOWEST COST TO YOUR BUSINESS



The brush is one of the most critical components on your Tennant machine for delivering exceptional cleaning performance.

Only genuine Tennant *True*<sup>®</sup> brushes are designed specifically for cleaning with Tennant machines, delivering better cleaning performance.

Better cleaning performance results in lower costs associated with rework, labor, safety, maintenance, and parts costs helping to run your business more efficiently.

## BENEFITS FROM USING GENUINE **TENNANTTRUE**® BRUSHES

REDUCE REWORK AND EXTRA LABOR COSTS – GET THE BEST CLEANING PERFORMANCE THE **FIRST** TIME

REDUCE MAINTENANCE COSTS AND MACHINE WEAR

Tennant *True* brushes are designed to fit your Tennant machine and deliver optimal cleaning performance. The correct fit helps reduce machine downtime and service calls.

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EVERY 30 MINUTES OF EXTRA CLEANING = **\$198** EXTRA LABOR COSTS PER MONTH, OR **\$2,370** ANNUALLY\*

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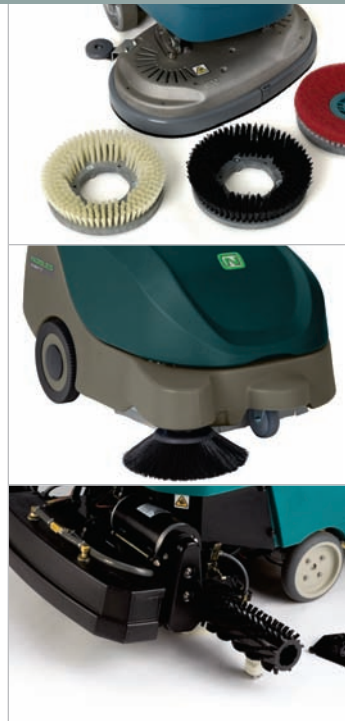
PROTECT YOUR EMPLOYEES

Slip, trip, and fall accidents are often caused by oily or slippery floors and debris. They are the leading cause of workers compensation claims with costs exceeding \$60 billion per year.\*\* Using brushes specifically designed for Tennant equipment helps reduce the risks associated with these hazards. Minimize your risk by using genuine Tennant *True* brushes.

GAIN BETTER PERFORMANCE OVER THE BRUSH COMPETITION

At Tennant, brush development is an integral part of new machine development. Brush characteristics are identified and tested with the machine's down pressure, brush speed, and water flow to help ensure the brush operates optimally with the machine design.

WHILE OTHER BRUSH MANUFACTURERS MAY COPY TENNANT'S DESIGNS, ONLY **TENNANTTRUE** BRUSHES ARE DESIGNED AND ENGINEERED SPECIFICALLY TO FIT TENNANT MACHINES



\*Based on a 7-day cleaning cycle with labor costs at \$13 per hour

\*\*Source: National Safety Council (NSC), 2011

## TAKE A CLOSER LOOK – SEE THE **TENNANTTRUE®** DIFFERENCE



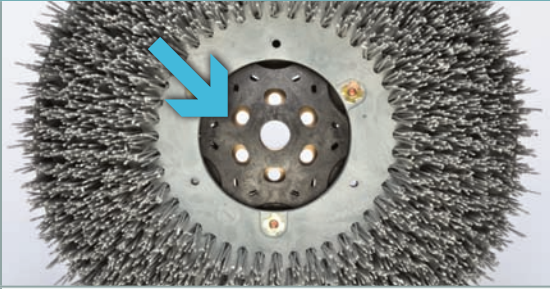
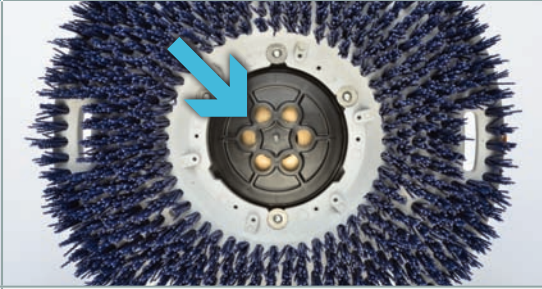
### Disk Brush

#### SOLUTION HOLES (SCRUBBING BRUSHES)

With genuine Tennant*True* brushes, cleaning solution flows through holes in the machine drive plug and brush drive adapter, then moves across the working face of the brush.

When solution holes are obstructed, a significant amount of cleaning solution by-passes the brush – resulting in poor cleaning performance, wasted cleaning solution, and additional labor costs.

Brushes not designed for Tennant machines waste water, cleaning solution, and hinder your operator's performance.

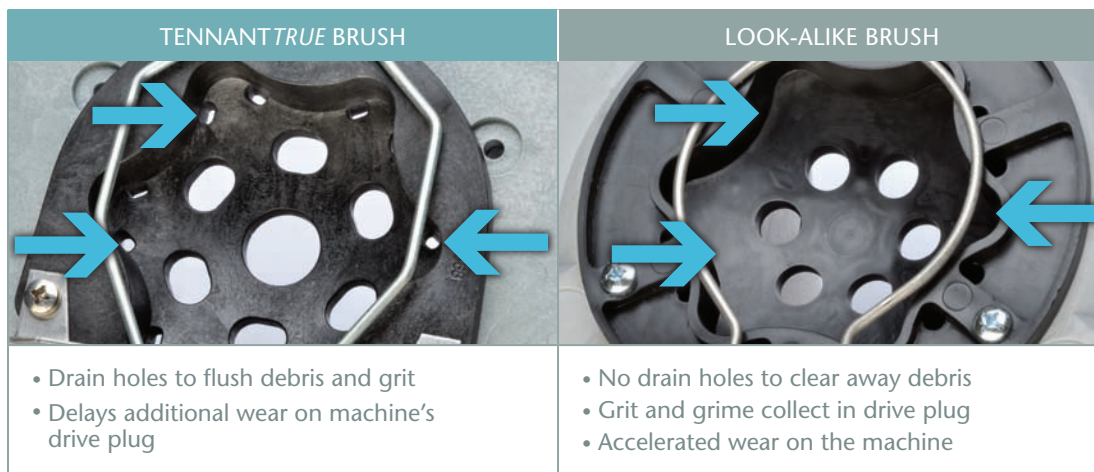
TENNANTTRUE BRUSH	LOOK-ALIKE BRUSH
	
<ul style="list-style-type: none"><li>• Solution flows directly through to the floor</li><li>• No wasted solution or related labor costs</li><li>• Optimal cleaning performance</li></ul>	<ul style="list-style-type: none"><li>• Obstructed holes block solution flow</li><li>• Wasted solution and labor time</li><li>• Reduced cleaning performance</li></ul>

BRUSHES NOT DESIGNED FOR TENNANT MACHINES WASTE TIME,  
MATERIALS, AND MONEY

## SEEING IS BELIEVING

### DRAIN HOLES (SCRUBBING BRUSHES)

Tennant *True*® brushes include drain holes to help clear the drive plug of debris. Look-alike brushes without drain holes allow grit and grime to collect in between the drive plug and brush adapter. This can accelerate wear and damage to the drive plug (see photos to the right).



NEW DRIVE PLUG

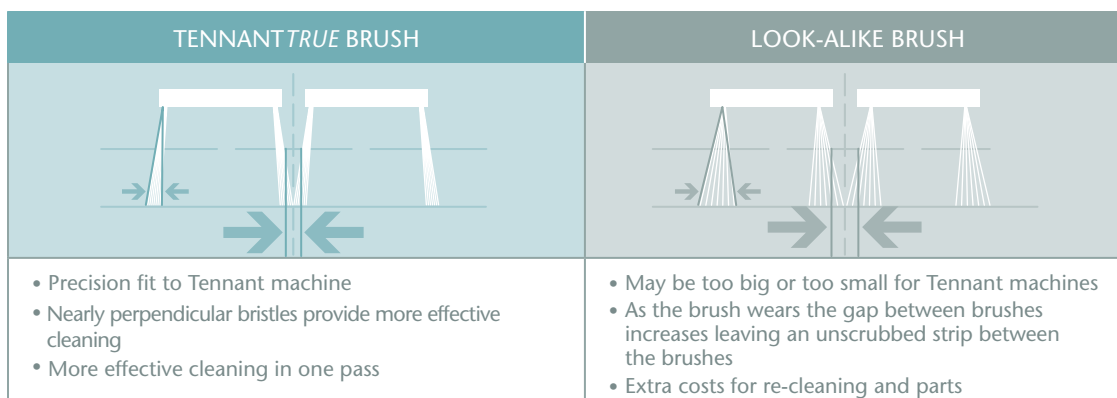


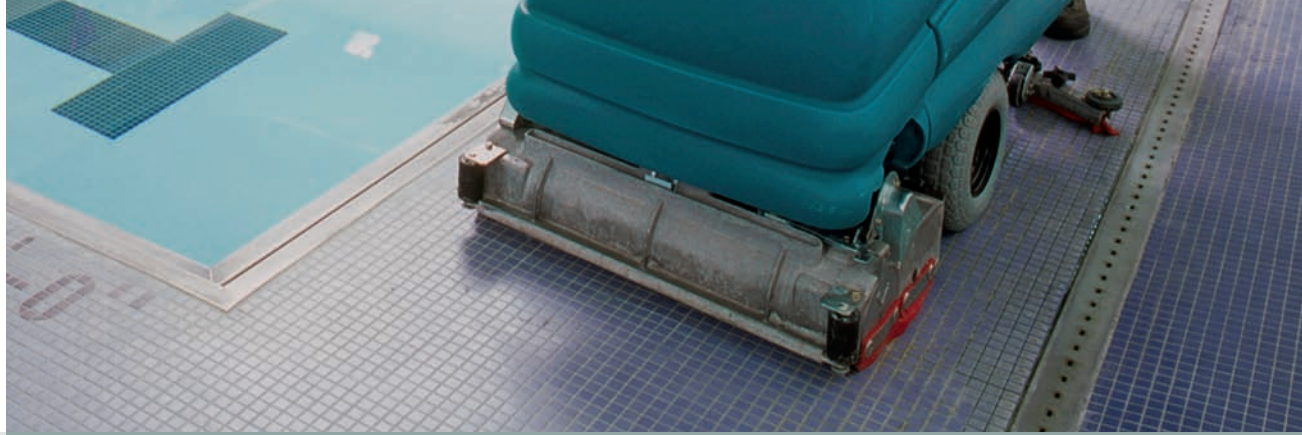
WORN DRIVE PLUG  
Accelerated wear due to lack of drain holes in a look-alike brush

### FLARE DIAMETER (SCRUBBING BRUSHES)

Tennant designs and manufactures brushes for a precision fit to the machine. Look-alike brushes not designed specifically for Tennant machines may result in a wrong fit for a specific machine or application. In a machine with multiple brushes this can cause brush-to-brush interference.

The bristles used in most look-alike brushes are set at an angle to the cleaning surface. As the bristles wear, the gap between the brushes increases and debris is often left on the floor between the brush cleaning paths. Tennant brushes are set nearly perpendicular to the cleaning surface to help extend brush life and minimize re-cleaning.





## Cylindrical Brush

Long life cylindrical brushes are designed for effective sweeping and scrubbing.



### MANUFACTURING STANDARDS

Tennant True® brush tubes are manufactured to the industry's tightest standards for straightness, roundness, wall thickness, and fit ensuring a smooth, balanced operation of the brush. These characteristics help prevent excessive wear and strain on the various machine components.

TENNANT TRUE BRUSH	LOOK-ALIKE BRUSH (WITH ADAPTER)
<ul style="list-style-type: none"> <li>• Precise extruding process creates a straighter, rounder tube for easier installation</li> <li>• Consistent cleaning performance</li> <li>• Minimize vibration and noise</li> </ul>	<ul style="list-style-type: none"> <li>• Potential installation problems</li> <li>• Uneven cleaning performance</li> <li>• An unbalanced brush produces chatter and noise</li> </ul>

### SPLINE DRIVE

The spline on each Tennant True brush tube is extruded as part of the brush manufacturing process to ensure the best fit on Tennant machines. Look-alike brushes require adapters with screws that can negatively affect brush installation and performance.

TENNANT TRUE BRUSH	LOOK-ALIKE BRUSH
 <ul style="list-style-type: none"> <li>• Spline extruded as part of the brush tube</li> <li>• Designed for Tennant machines; no adapter required</li> <li>• Easy installation and high performance</li> </ul>	 <ul style="list-style-type: none"> <li>• Adapter and screws needed to fit a Tennant machine can negatively impact installation and performance</li> <li>• Screws may interfere with the brush drive plug during installation</li> <li>• Difficult to install</li> </ul>


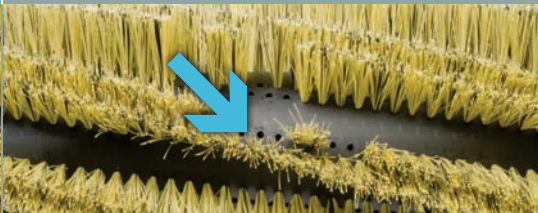
## BRUSH TUBE DIAMETER

Tennant *True*® brushes provide a maximum bristle length for the longest possible wear. Look-alike brushes that require an adapter add weight to the overall brush and can compromise bristle length by up to 31 percent.\*

TENNANT <i>TRUE</i> BRUSH	LOOK-ALIKE BRUSH
	
<ul style="list-style-type: none"><li>• Longer brush life reduces cost</li><li>• Maximum bristle length for longer wear</li><li>• Ideal weight for performance</li></ul>	<ul style="list-style-type: none"><li>• Increased costs with more frequent replacements</li><li>• Shorter bristle length</li><li>• Adapter adds weight causing strain on the machine</li></ul>

## BRISTLE TUFT ANCHORING

Tennant specifies a pull test measurement for bristle tufts to ensure they are secure and anchored to the brush. Brush bristles work best and longest when they are anchored securely. Look-alike brushes often have poorly secured bristle tufts that can fall out or be pulled out when going over floor grates or other rough surfaces.

TENNANT <i>TRUE</i> BRUSH	LOOK-ALIKE BRUSH
	
<ul style="list-style-type: none"><li>• Secure anchoring</li><li>• No lost bristles</li><li>• High pull test specification</li></ul>	<ul style="list-style-type: none"><li>• Loose or unsecure bristles</li><li>• Bristles can fall out or be pulled out</li><li>• Inconsistent pull test results</li></ul>

\* Based on scrub brush when worn to 3/4 inch bristle length



## Side Brush (SWEEPING BRUSH)

Bristle tufts on a side brush are flared outward to provide reach into corners and around edges, pulling debris in front of the sweeper for pick-up by the main brush. Tennant specifies the proper gauge of material and flare angle to provide the maximum reach without compromising stiffness or sweeping performance. Look-alike brushes often use lower grade, or improperly sized bristle materials, causing bristles to deform and cleaning performance to decline after just a few uses.

TENNANTTRUE® BRUSH	LOOK-ALIKE BRUSH
	
<ul style="list-style-type: none"><li>• Larger flare diameter provides wider cleaning path</li><li>• Premium bristle for stiffness and strength</li></ul>	<ul style="list-style-type: none"><li>• Smaller flare diameter reduces cleaning path</li><li>• Lower grade bristle material with uneven bristles</li></ul>

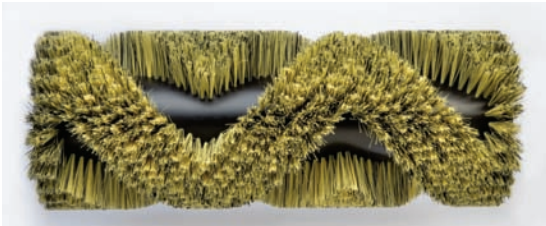




## Tennant True® Patented Brushes

### TENNANTTRUE SAND WEDGE BRUSH (SWEEPING BRUSH)

Tennant's patented sand wedge design contains the same amount of bristle material as high density brushes with distinctive gaps that perform a digging action. This design is most effective for heavy concentrations of sand and other fine materials found in foundries, bakeries, and cement plants.



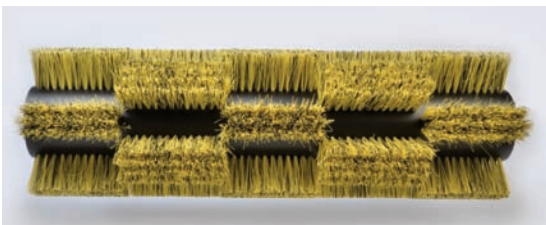
### TENNANTTRUE SAND WEDGE BRUSH (SCRUBBING BRUSH)

Tennant's patented sand wedge scrubbing brush is designed to effectively collect debris and more evenly distribute and contain water. Effective cleaning performance helps reduce labor costs.



### TENNANTTRUE WINDOW BRUSH (SWEEPING BRUSH)

The patented Tennant window design is most effective for sweeping bulky items or small paper scraps. With openings that trap larger debris, this brush is ideal for printing and packaging plants and warehouses.



# THE RIGHT BRUSH FOR EVERY APPLICATION

## Brush Fill Pattern

### CHOOSE THE RIGHT BRUSH FOR YOUR APPLICATION

Take the guesswork out of choosing brushes. Our factory-direct sales and service representatives learn about your needs and recommend the best brush for each job.

Tennant sweeping brushes are built to last. Made with premium, heavy-duty raw materials and a unique spline drive system, these brushes transfer power efficiently from hub to brush for superior performance and long service life.

### SWEEPING BRUSHES

#### FULL-FILL

Designed with a dense pattern for trapping sand, dust, and other fine debris.

#### SAND WEDGE

Patented high-density brush effectively picks up heavier accumulations of fine debris.

#### FULL-FILL TUBE BROOM

Heavy-gauge polypropylene material provides superior performance on uneven or irregular surfaces. Used on Tennant's larger outdoor sweeping machines.

#### WINDOW BRUSH

Patented brush with openings that trap light litter, including small paper scraps.

#### 6/8 DOUBLE ROW

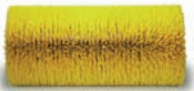
General purpose brush with bristles that pick-up fine debris while the spacing between the rows effectively traps bulkier litter.

#### PATROL BRUSH

Wider spacing between bristle rows that effectively pick-up bulky litter during high-speed sweeping.

#### SIDE BRUSHES

Round, flared design reaches into corners and along edges, pushing debris in front of the sweeper for pick-up by the main broom.





## SCRUBBING BRUSHES

Long-life disk and cylindrical brushes feature plastic backings and brush tubes to protect against warping and splitting. Drain holes on disk brushes help flush water and grit from high-wear areas to protect the machine's drive plug and ensure optimum brush speeds.

### CYLINDRICAL AND DISK

Full-fill bristle patterns are trimmed to optimal length for floor surface coverage; appropriate bristle stiffness delivers effective scrubbing performance.



CYLINDRICAL SCRUB BRUSH



DISC SCRUB BRUSH

## Brush Selector Based On Floor Type and Cleaning Process\*

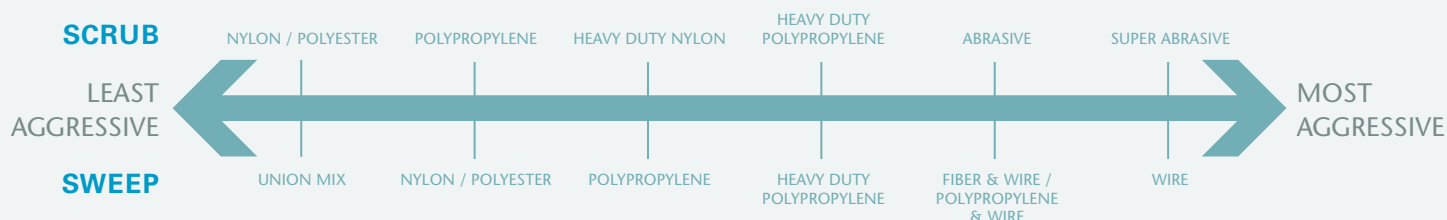
PROCESS:	INDUSTRIAL FLOORS			DECORATIVE FLOORS		
	Uncoated Concrete, Brick, Cobblestone, Asphalt			Coated Concrete, Tile, Terrazzo, Finished Wood, Soft Sports Floors**		
	LEAST	AGGRESSIVENESS	MOST	LEAST	AGGRESSIVENESS	MOST
Light Scrubbing, Polishing	Nylon	Polypropylene		Nylon		Polypropylene
Medium Scrubbing	Polyester	Polypropylene	Heavy Duty Polypropylene	Polyester		Polypropylene
Heavy Scrubbing	Heavy Duty Polypropylene	Abrasive	Super Abrasive	Heavy Duty Nylon		Heavy Duty Polypropylene
Buildup, Removal, Stripping	Abrasive		Super Abrasive	Abrasive		Super Abrasive

\*When your floors are coated with Tennant Coatings contact Tennant Customer Service to determine best brush for your cleaning application.

\*\*Consult your sports floor manufacturer for recommended cleaning processes.

*These recommendations are provided as general guidelines for most conditions. Consult your Tennant Sales or Service Representative if an on-site appraisal is required.*

## Brush Fill Material Guide





## FREQUENTLY ASKED QUESTIONS

**Q** How does better cleaning performance reduce my overall cost?

**A** Better cleaning performance requires less rework, which means lower labor costs, reduced safety claim risks, and lower costs for maintenance and parts.

**Q** What is the difference between a “Tennant True® OEM” part and a look-alike “Tennant Aftermarket” part?

**A** Tennant True OEM parts are designed and tested by Tennant engineers to optimize the cleaning performance of Tennant equipment. “Tennant Aftermarket” parts not designed by Tennant may not have equal form, fit, or function, resulting in less effective cleaning performance and higher costs.

**Q** How do I ensure the superior performance for my Tennant cleaning machines?

**A** Use only genuine Tennant True parts, follow the planned maintenance schedule for your Tennant machine, and call on our factory-direct sales and service organization if you need help.

**Q** How can I be sure I am using Tennant True parts?

**A** Order your parts directly from Tennant or request Tennant designed and manufactured parts through an authorized Tennant or Nobles machine and parts distributor.

**Q** How can I learn more about Tennant True brushes?

**A** Contact your local sales representative or local service technician, visit [www.Tennantco.com/brushes](http://www.Tennantco.com/brushes), or contact Tennant Customer Service at 1-800-553-8033.

THE TENNANT TRUE PROGRAM INCLUDES TENNANT®, NOBLES®, GREEN MACHINES®, AND ORBIO® EQUIPMENT

### RELY ON GENUINE TENNANT TRUE PARTS

For additional information, call +1.800.553.8033

Or email [info@tennantco.com](mailto:info@tennantco.com)

[www.Tennantco.com/brushes](http://www.Tennantco.com/brushes)

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