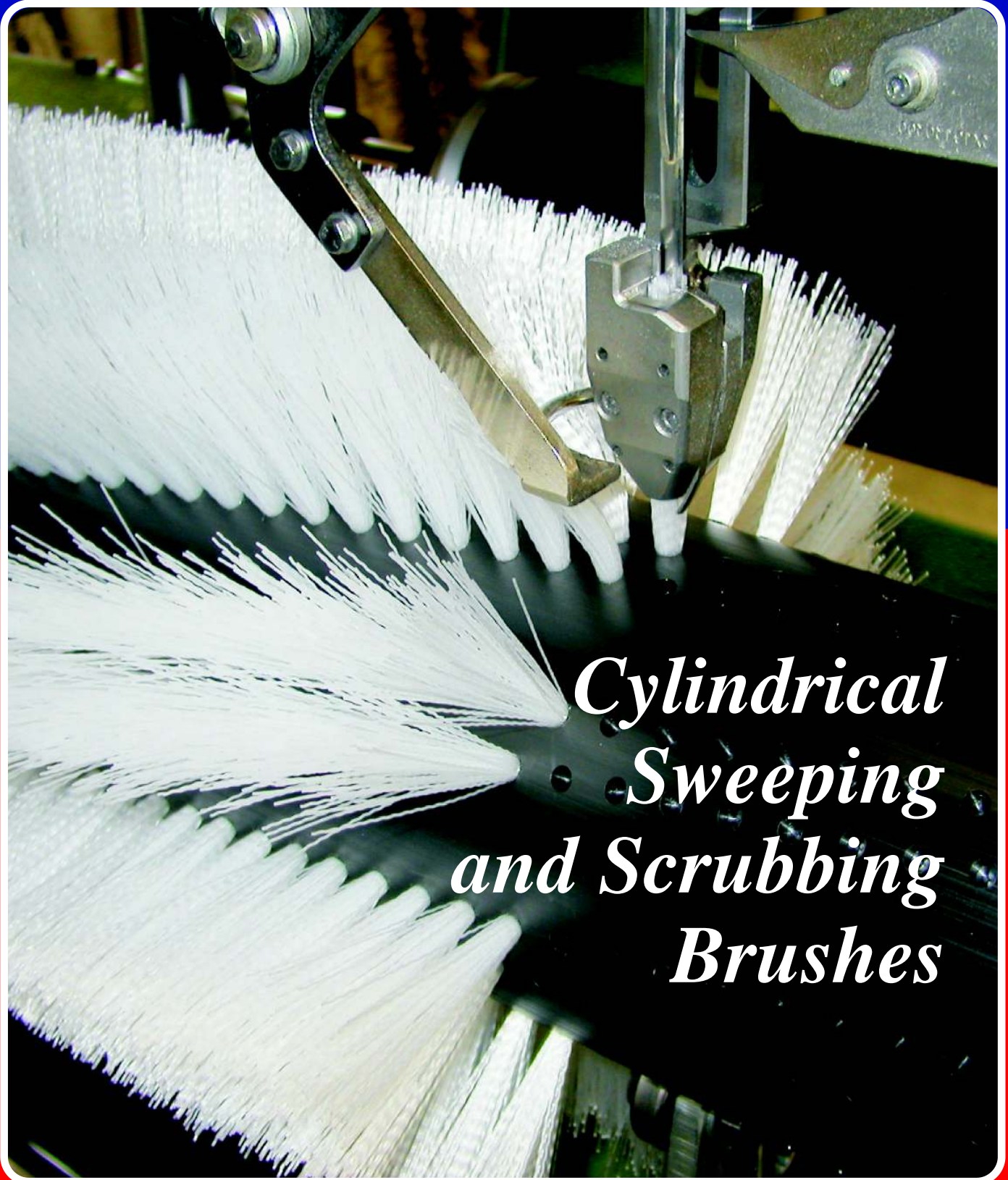


*Liberty Brush  
Manufacturing*

*The Independent Choice  
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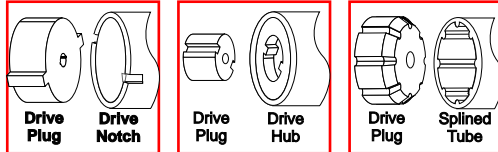
*Cylindrical  
Sweeping  
and Scrubbing  
Brushes*



## Brush Design Basics

### Drive Design (#1)

A cylindrical brush uses drive notches, a drive ear, or molded splines for connection to your sweeper or scrubber. With the brand and model number, Liberty Brush Customer Service can identify all of the brushes that will fit your equipment.



### Brush Tubes (#2)

Cylinder brushes sweep at high rotating speed and often with exceptionally heavy down pressure. Liberty uses a strong, lightweight, polymer tube that is true, round and balanced to be vibration-free. Tubes have consistent wall thickness to insure strong, long lasting bristle mounts.

### Bristles (#3)

It's the bristles that do the work. Our sweeping and scrubbing bristles are built with the highest quality synthetic filaments or natural fibers. Bundles of filament are folded in half, stuffed into carefully drilled holes and stapled into place. The wide range of bristle types helps you match the brush to the sweeping or scrubbing job.

### Bristle Pattern (#4)

Bristle tufts are positioned in carefully planned rows. Full-Fill (24 single-row) brushes sweep aggressively while controlling dust. Standard-Fill (8 double-row) and Patrol-Fill (5 triple-row) brushes have open space between rows to lift soils and larger trash. Rows are set in a helical or a herringbone pattern to match OEM specifications.



Full-Fill  
24 Single-Rows  
with Evenly  
Spaced Tufts



Standard-Fill  
8 Double-Rows  
Sweep Soils  
and Trash



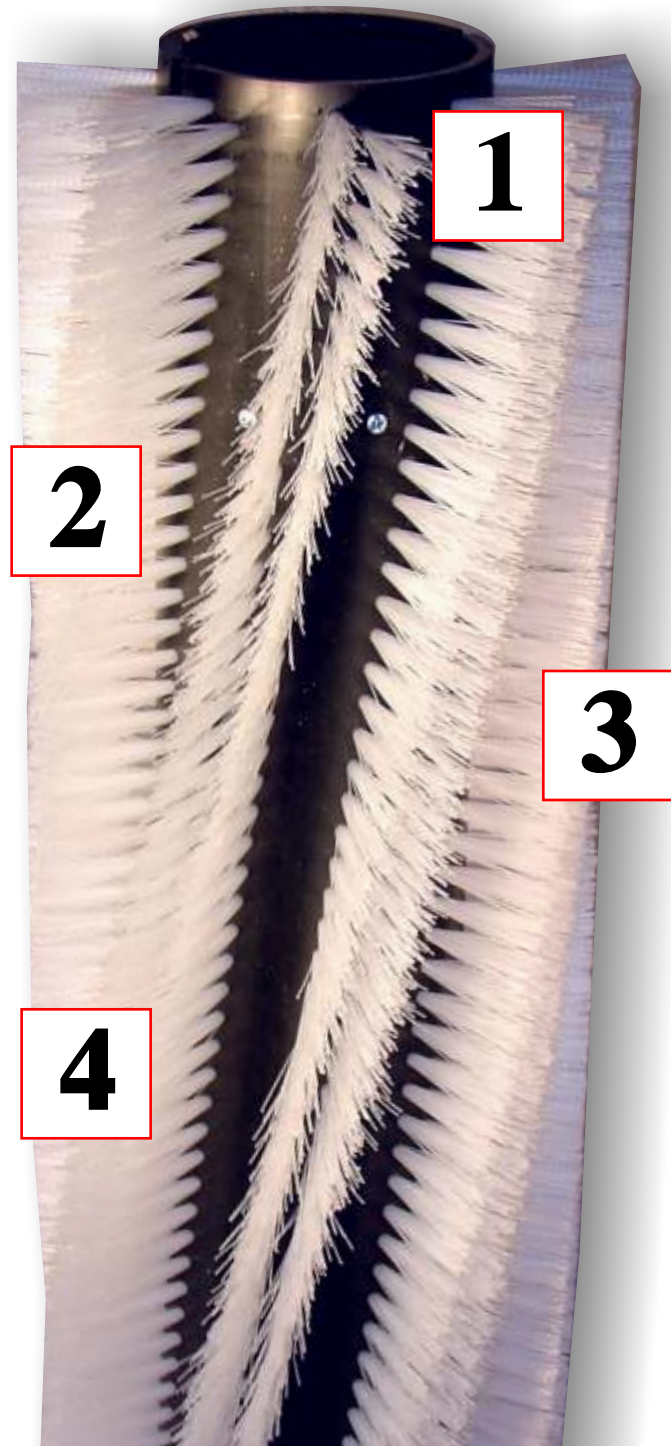
Patrol-Fill  
5 Triple-Rows  
Sweep Larger Areas  
at Higher Speeds

## The Right Brush for Your Machine

Liberty Customer Service maintains up-to-date lists of brush designs to fit currently used sweepers and scrubbers. Price lists, cross-over lists and our website also provide this information.

***When you select a Liberty Brush,  
you're selecting the best!***

***Liberty Cylindrical Sweeping and Scrubbing Brushes are designed in hundreds of configurations. Call Liberty Customer Service to find the right one for your machine and your job.***



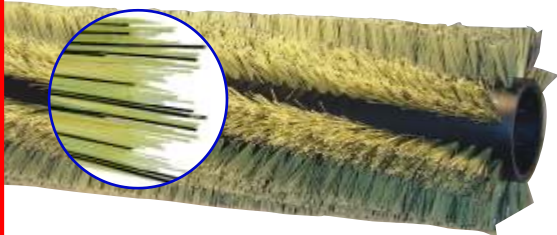


# Cylindrical Sweeping Brushes



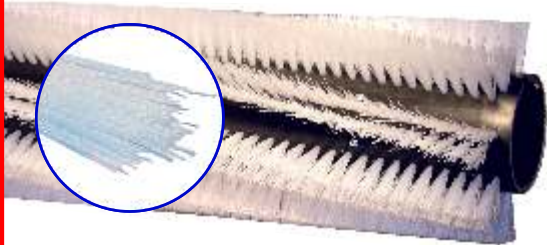
**Liberty Brush  
Manufacturing**  
*The Independent Choice  
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**Liberty Cylindrical Sweeping Brushes are built on high-density tubes that are custom designed to be exceptionally straight, vibration-free and with consistent wall thickness for strong and reliable bristle mounting. Tubes are fit with drive notches, splines, or drive hubs to match OEM specifications. Brushes are finished with a wide range of the highest quality bristle materials on the market.**



## Proex™

This blend of 3 different polypropylene filament sizes provides excellent all-purpose sweeping, indoors or out. Proex is preferred for high humidity sweeping because bristles will not soften when wet. Proex is not recommended for sweeping high temperature debris because the filament can soften or melt. In high temperature jobs, nylon is preferred. **Medium Aggressiveness. Long brush life.**



## Nylon

Nylon is as aggressive as Proex but stronger with longer brush life. Choose nylon when sweeping rough surfaces or high temperature soils. When used in wet or high humidity areas, nylon can soften and lose some sweeping ability. In wet tasks, Proex is preferred. **Medium aggressiveness. Longest brush life.**



## Proex™ & Wire

The crinkled wire provides light cutting action while the Proex bristles lift and sweep the soils. Ideal for sweeping compacted dirt and dried mud. **High aggressiveness. Medium brush life. Wear gloves when handling wire brushes.**



## Natural Fiber and Wire

This combination is great for sweeping dry, dusty floors with compacted soils. Crinkled wire scrapes and lifts the hard soils while the natural fibers sweep. Natural fibers control dusts better than Proex, but have a shorter brush life. Natural fibers can also soften when wet, so they're not recommended for use in wet or high humidity areas - use Proex and wire here. **Medium to high aggressiveness. Shorter brush life. Wear gloves when handling wire brushes.**



## Crinkle Wire

This bent-wire fill is designed to loosen the most compacted soils in areas requiring little or no dust control. Wire alone is a poor sweeper of dust. Store in a dry space. Spray bristles with lubricant to prevent corrosion and wire cracking. **Most aggressive brush. Medium brush life. Wear gloves when handling wire brushes.**

## Side Brooms

Several machines use a side broom to sweep close to walls and gutters and to increase the sweeping path. Liberty side brooms match OEM specifications, with 2 or 3 rows of bristles in 6" to 10" lengths. Bristles are set in coated plywood or plastic blocks. Most machines use either a poly or nylon bristle. Some larger sweepers may also use a flat wire side broom for the heaviest sweeping of factory floors, paved roads and parking lots.



**To Place Your Order, Call Liberty at (877) 275-2500 or FAX (952) 402-9449**

# Cylindrical Scrubbing Brushes



**Liberty Brush  
Manufacturing**  
*The Independent Choice  
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***Liberty Cylindrical Scrubbing Brushes are available with poly fill (economical), nylon fill (softer scrubbing and longer life), and nylon-grit fill (most aggressive). Select the bristle type that matches the floor and the soils being scrubbed.***



## Nylon - Soft and Stiff

Stiff nylon bristles scrub aggressively with a long life. Use soft nylon for gentle scrubbing of decorative floors, tile and terrazzo. Use stiffer nylon for scrubbing smooth and coated concrete. Nylon bristles soften when wet, so they polish without scratching finished and coated surfaces. **Soft nylon has light aggressiveness. Stiff nylon has medium aggressiveness. Both have long brush life.**



## Polypropylene - Soft and Stiff

Poly is the most popular and economical choice for general-purpose scrubbing. Use soft poly for light scrubbing of decorative floors, tile and terrazzo. Use stiffer poly for scrubbing smooth and coated concrete. **Medium aggressiveness. Medium brush life (shorter than nylon).**



## Polypropylene - Non-Scuff

A smaller diameter (.015-.018") filament is used for lightest-duty scrubbing of waxed and finished floors. These floors typically do not carry heavy soils and much of the cleaning is done by a detergent with the brush only agitating the scrub solution. **Very soft with low aggressiveness. Designed for high-finished floors. Long brush life on smooth floors.**



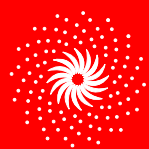
## Abrasive Bristle - 50/80

A stiff (.050") nylon filament that is extruded with a 80 grade silicon-oxide grit is designed for heavy-duty scrubbing of floors with impacted and built-up soils. The stiff bristles are very effective on very rough surfaces like asphalt and worn concrete. **High aggressiveness. Brush life depends on the surface being scrubbed and rougher surfaces mean shorter brush life.**



## Super Abrasive Bristle - 65/46

This filament is similar to 50/80 abrasive bristle but uses a larger .065" diameter filament with a heavier 46 grade grit for extra scrubbing strength. Combine this with a high pH floor cleaner to scrub the heaviest and greasiest soil buildups. **Highest aggressiveness for select high abrasion jobs. Medium brush life, depending on roughness of surface scrubbed. Rougher surfaces mean shorter brush life.**



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