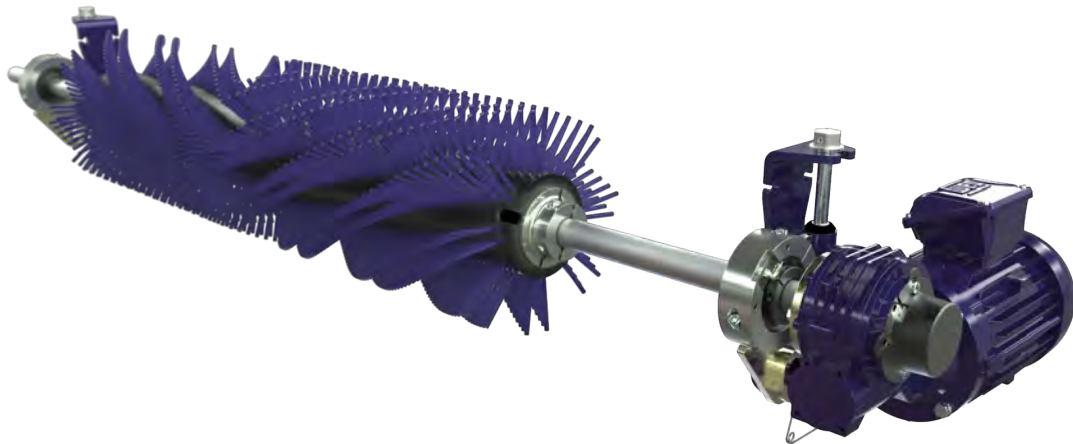


REPLACEMENT & AFTERMARKET

BELT BRUSH CLEANERS



Collaborate / Create / Convey

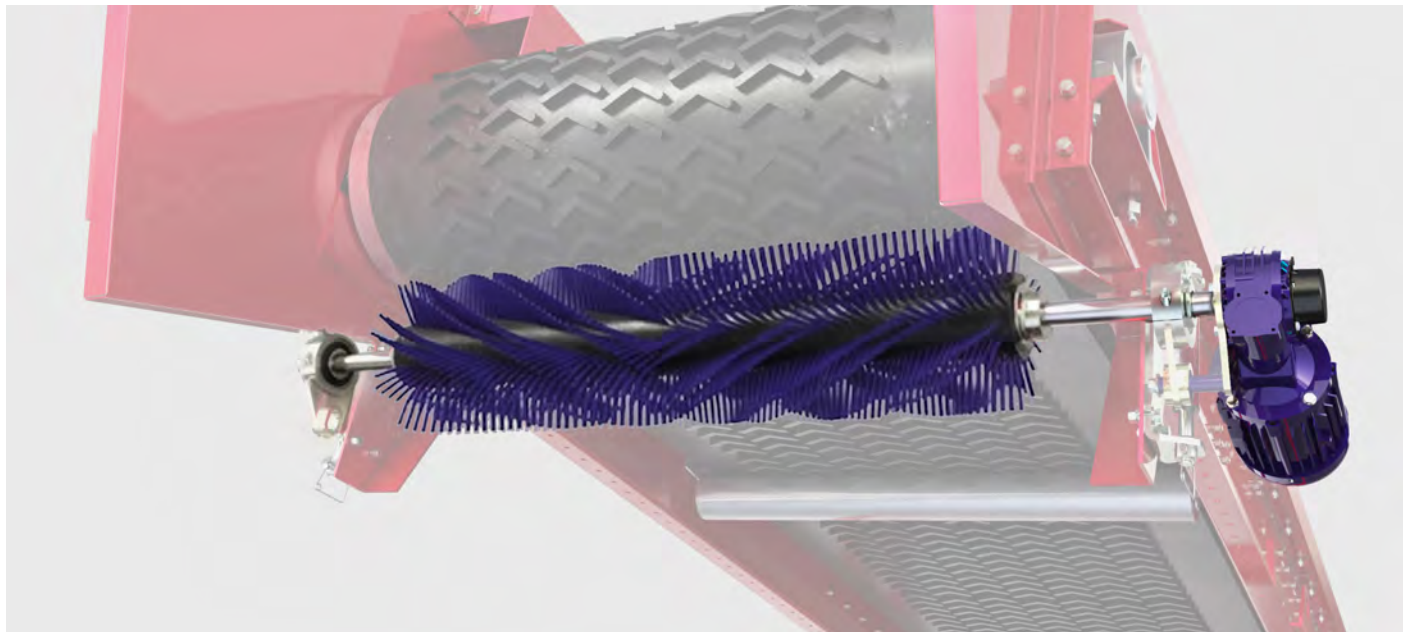
TABLE OF CONTENTS

Belt Brush Cleaners	02	Product specifications	05
Applications	03	The Engineering Advantage	06
Key Features	04	Contact Information	07

© 2026 Fluent Conveyor. All rights reserved.

All content, including text, graphics, and product specifications, is the property of Fluent Conveyor and may not be reproduced, distributed, or transmitted in any form without prior written permission.

BELT BRUSH CLEANERS



Belt Brush Cleaners

Chevron, cleated, and raised rib belts defeat conventional belt cleaning, since rigid blades cannot follow the raised profile and static brush cleaners pack solid with carryback while wearing rapidly against the cleats. Uncleaned carryback rides the return strand and triggers the familiar chain of failures: belt mistracking, fugitive material buildup, and premature wear on return idlers. Each of those failures reads directly on the maintenance budget as belt cover damage, housekeeping labor, and unplanned line stops.

The brush scraper answers the profiled belt problem with a free rotating drum of 2" (50 mm) SBR rubber fingers, driven entirely by the motion of the running belt. Finger length, spacing, and rotary action fling dislodged carryback clear instead of trapping it, while the 45A durometer rubber flexes around chevrons and cleats up to 1" (25 mm) tall without cutting the top cover. The drum builds from individual 3" (75 mm) finger ring segments on a 1" (25 mm) hex shaft, rated CEMA Class 3 for belt speeds up to 500 fpm across 18" – 84" belt widths. Supply the belt width, cleat height, and the cleaner being replaced, and engineering matches the drum size and mounting configuration to the existing conveyor.

APPLICATIONS



Recycling & Material Recovery

Chevron and cleated belts carry single stream, C&D, and organics up steep inclines in recovery facilities, and the same profile that holds the material on the belt also traps damp fines, film, and residue between the cleats. The brush scraper dislodges that carryback ahead of the return run, keeping return idlers clean and belts tracking true on sort lines that rarely stop.



Aggregate, Sand & Gravel

Washing and screening circuits run raised rib incline belts under constant wet sand and stone fines. Rotating rubber fingers strip the residue before it glazes return rollers and pulls the belt off center.



Wood, Pulp & Paper

Mill conveyors move bark, chips, and wet fiber that cling to cleated belt profiles in high moisture environments. The rotary drum clears the profile each revolution, reducing housekeeping along the return strand.



Cement & Concrete

Profiled belts feeding elevated hoppers accumulate abrasive clinker dust and raw meal residue between cleats. Finger contact removes the material at the head pulley, protecting return side components from grinding wear.



Agriculture & Grain

Steep transfer runs on chevron belts shed husks, kernels, and dust along the return path. The cleaner sweeps the belt profile clean, limiting spillage that attracts pests and builds combustible accumulation.



Ports & Terminals

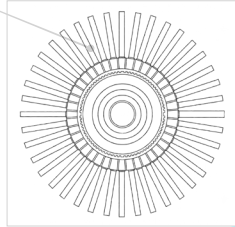
Ship loading and stockyard conveyors expose long return runs to bulk cargo residue and weather. Belt driven rotation loosens packed material from the raised profile, cutting cleanup labor across the full run.

KEY FEATURES

01

2-Inch SBR Rubber Finger Geometry

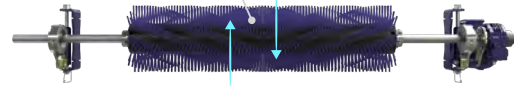
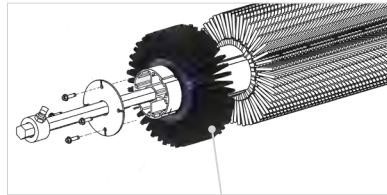
Fabricated from 45A durometer SBR rubber to mechanically dislodge carryback from chevron profiles without severing the raised belt cleats.



02

Free-Rotating Drum Configuration

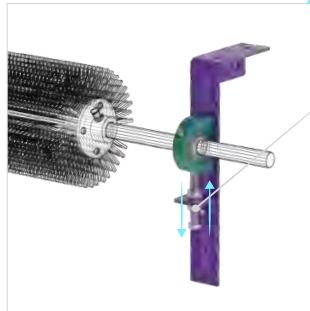
Utilizes the physical motion of the running conveyor belt to drive the rotary mechanism, preventing the structural material buildup common in static brush-type cleaners.



03

3-Inch Modular Ring Segmentation

Drum assemblies utilize individual 3-inch [75 mm] finger ring segments mounted to the main shaft, permitting isolated replacement of specific wear zones without requiring complete drum removal.



04

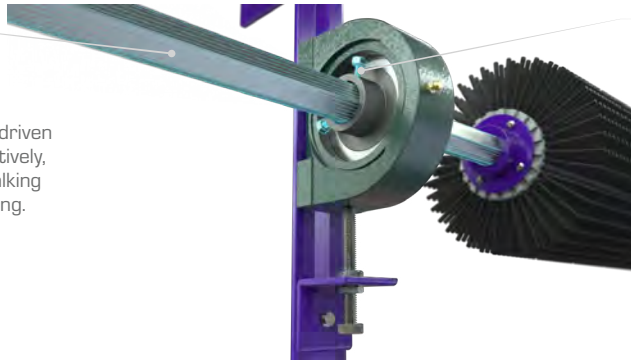
Push-Up / Pull-Up Tensioning Kit

Versatile mounting brackets dictate exact blade-to-belt contact forces from either below or above the structural assembly frame.

05

1-Inch Hex Drum Shaft:

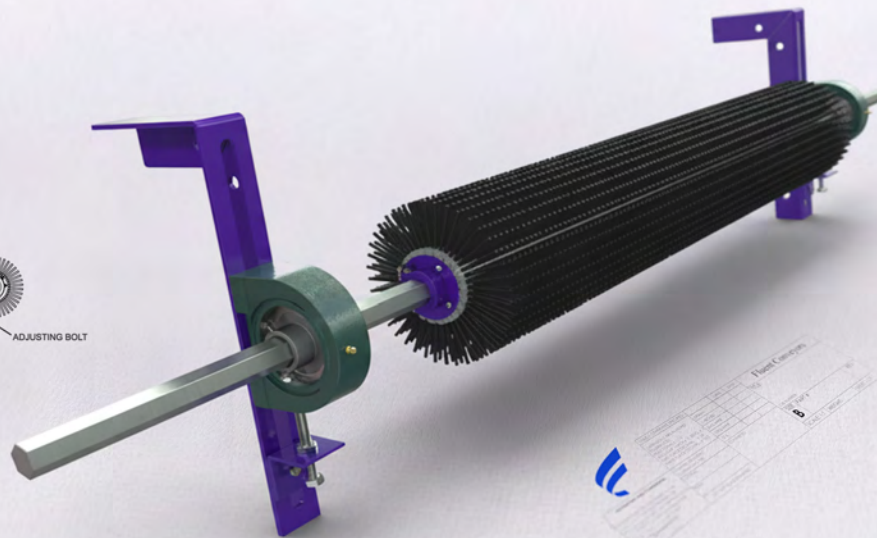
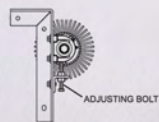
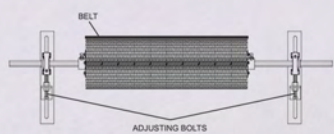
Hexagonal shaft flats transmit belt driven rotation to every ring segment positively, eliminating the slip and segment walking associated with round shaft mounting.



06

Set Screw Drum Collars:

Collar set screws lock the drum position on the shaft, so a complete drum change requires only loosening the screws, sliding off the worn drum, and sliding on the new one.



BELT BRUSH CLEANERS

SPECIFICATIONS

Parameter	Standard specification
Cleaner type	Rotary secondary cleaner for profiled belts
CEMA cleaner rating	Class 3
Maximum belt speed	500 fpm (2.5 m/sec)
Temperature rating	-30°F to 180°F (-35°C to 82°C)
Maximum chevron or cleat height	1" (25 mm)
Belt widths	18" - 84" (450 - 2100 mm)
Overall drum diameter	9-1/2" (238 mm)
Finger length	2" (50 mm)
Finger material	SBR rubber, 45A durometer
Finger ring width	3" (75 mm)
Belt compatibility	Reversing belts, mechanically fastened and vulcanized splices

Note: Drum service life varies with belt speed, material abrasiveness, and operating conditions. Finger ring segments replace individually or as a complete drum assembly.

THE ENGINEERING ADVANTAGE

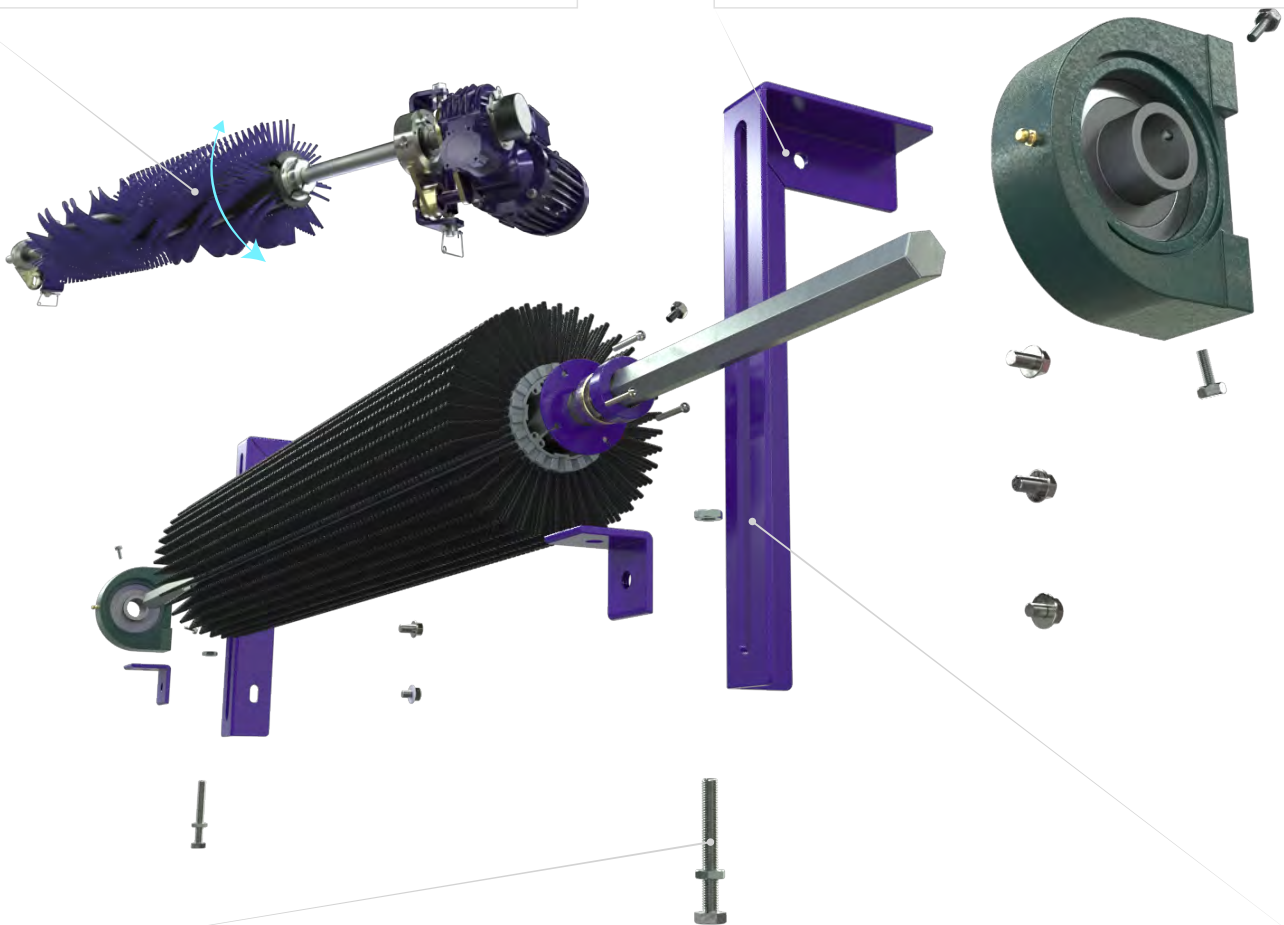
This section outlines the belt driven cleaning methodology behind the brush scraper, covering rotary drive dynamics, placement geometry, tension control, and staged installation to ensure full profile cleaning and predictable drum service life.

Belt-Driven Rotary Action:

Finger contact with the running belt spins the drum without a motor or external drive, so rotational speed always matches line speed and the cleaner operates only when the belt operates.

Placement Geometry:

Mounting brackets locate the drum 6" – 8" (150 – 200 mm) down the line from where the belt leaves the head pulley, with the shaft centerline set 5" (125 mm) below the beltline for full finger engagement across the belt width.



Contact Tension Limiting:

Adjusting bolts raise the drum until the fingers just touch the belt, then set a maximum 1/4" (6 mm) engagement that protects the rubber fingers from premature wear and the belt cover from overpressure.

Staged Cleaner Installation:

A second unit installed downstream of the first raises total cleaning efficiency by 50 to 70 percent on high carryback lines, adding cleaning capacity without adding drives, controls, or wiring.

CONTACT INFORMATION

OUR ENGINEERS WILL SPEC THE EXACT PART FOR YOUR SYSTEM

For product specifications, engineering support, or order inquiries, please contact our team using the information provided below. Our specialists are available to ensure accurate recommendations and efficient service for your application requirements.

Reach Us Directly

Email

Send us your questions or requests, and we'll respond promptly.

sales@fluentconveyors.com

Phone

Call us for immediate assistance and technical support.

[+1\(866\) 764-2980](tel:+18667642980)

Business Hours

Monday - Friday

8:00 AM – 5:00 PM MST

Departments

Sales & Quoting

Product pricing, availability, and order placement.

sales@fluentconveyors.com

Customer Service

Product pricing, availability, and order placement.

[+1 \(303\) 390-1228](tel:+13033901228)

Engineering

Technical specs, application review, custom configurations.

engineering@fluentconveyors.com