



SMART SOLUTIONS FOR BELT CONVEYOR OPERATIONS



Partners in Productivity



HELPING YOU **MAXIMIZE** YOUR PRODUCTIVITY

As a world leader in belt conveyor solutions, Flexco understands the challenges facing belt conveyor systems, like those in hard rock mines, coal, and aggregate operations. That's why we offer an extensive line of tough, durable belt conveyor products that increase uptime and output. Plus, we employ an experienced team who can help you make the right selections for your system.

INCREASE UPTIME

Flexco manufactures a wide range of Mechanical Belt Fastening Systems to get your belts up and running fast — and keep them running — even in the most demanding material handling applications.



Flexco® SR™ Rivet Hinged Fasteners

Features:

- Hinged fastener with self-setting rivets
- Low-profile, Scalloped Edge™ design that reduces exposure to cleaner blades, skirt rubber, and return idlers
- Ideal for belts with mechanical fastener ratings from 330 to 2000 P.I.W. (60 to 350 kN/m) and minimum pulley diameters from 5" – 42" (125 – 1050 mm)
- Available in a variety of metal types to best suit your application

Recommended for:

- Underground and surface mining, coal and hard rock, asphalt plants, pulp and paper, and other demanding applications, with a belt thickness from 1/8" – 1" (3 – 25 mm)



Flexco® Bolt Solid Plate Fasteners

Features:

- Quickly and easily installed on site using portable hand and power tools
- Sift-free splice with superior hold
- Ideal for belts with mechanical fastener ratings from 150 to 620 P.I.W. (30 to 105 kN/m) and minimum pulley diameters from 12" – 48" (300 – 1200 mm)
- VP™ style available with rubber covered top plates for increased impact protection and compatibility with belt cleaners
- Available in a variety of metal types to best suit your application

Recommended for:

- Sand, gravel, crushed stone, and cement, with a belt thickness from 3/16" – 1-3/16" (5 – 30 mm)



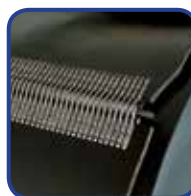
Flexco® BR™ Rivet Solid Plate Fasteners

Features:

- Multi-point rivet attachments pass between the belt's carcass fibers to ensure maximum grip
- Scalloped Edge™ allows for increased compatibility with belt cleaners and other conveyor components
- For belts with mechanical fastener ratings from 400 to 800 P.I.W. (70 to 140 kN/m) and minimum pulley diameters from 14" – 36" (350 – 900 mm)
- Available in a variety of metal types to best suit your application

Recommended for:

- High-tension applications in sand and gravel, hard rock mining, and cement with a belt thickness from 1/4" – 15/16" (6 – 24 mm)



Flexco® Staple

Features:

- Beveled edges and recessed staple pockets for a low profile and smooth belt cleaner interface
- Built-in belt stops ensure accurate installation
- For belts with mechanical fastener ratings of up to 800 P.I.W. (140 kN/m) and minimum pulley diameters from 9" – 12" (225 – 300 mm)
- Available in steel and stainless steel

Recommended for:

- Mining operations that prefer a machine-applied, narrow-looped staple splice
- Belts with a thickness range of 7/32" – 9/16" (6 – 14 mm)



Flexco® Bolt Hinged Fasteners

Features:

- Mechanical compression fastener with high-tensile strength bolts
- For belts with mechanical fastener ratings from 190 to 300 P.I.W. (33 to 52 kN/m) and minimum pulley diameters from 6" – 9" (150 – 225 mm)
- Available in a variety of metal types to best suit your application

Recommended for:

- Belts with frequent belt-length alterations or smaller pulleys, with a belt thickness from 1/4" – 5/8" (6 – 16 mm)

ENHANCE SAFETY

The Flexco Safe™ family of products makes each step in the belt conveyor maintenance process easier, faster, and safer.



Flex-Lifter™ Conveyor Belt Lifter

Features:

- Easily and safely lifts a tensioned belt up to the stated ratings
- Wide, dual-rail base to maintain unit stability
- Optimized lift height to provide sufficient room to make repairs safely

Recommended for:

- Top-side (troughed or flat) belts and return-side belts up to 4000 lbs (1800 kg)



Electric Belt Cutter

Features:

- Available in two sizes, the EBC1 allows for cuts up to 1" (25 mm) thick while the EBC2 provides for a thicker cut up to 2" (50 mm)
- Designed for cutting all belt widths as well as for extended, longitudinal cuts
- High speed, steel blade provides for a smooth, accurate cut and is protected by a spring loaded blade guard for enhanced worker safety
- Cordless model also available

Recommended for:

- All types of belting from the softest of natural rubbers to the hardest constructed solid woven PVC and fabric plied belts



Far-Pul® HD® Belt Clamps

Features:

- Provides even clamping tension across entire belt width for safer belt maintenance
- Securely grips belts up to 1" (25 mm) thick
- Adjusts easily for a variety of belt widths

Recommended for:

- Load capacity up to 3 ton (2.7 metric ton) when used with two 1-1/2 ton (1.4 metric ton) come-alongs



900 Series* Belt Cutter

Features:

- Safely and accurately cuts belts up to 1-1/2" (38 mm) thick
- Blade is guided at the top to ensure perpendicular cuts
- Single-sided clamp reduces operator cutting effort

Recommended for:

- Accurate, fast, safe cutting for all belting including thick and/or hard carcass belts

* Patent Pending



FSK™ Belt Skiver

Features:

- Lightweight, portable
- Accurate and adjustable cutting depth
- Blade safely enclosed during skiving operation

Recommended for:

- Belts with rubber top covers at least 3/16" (5 mm) thick

REDUCE CARRYBACK

Easily remove material from the conveyor belt which can cause problems with other components on the conveyor.

Precleaners



EZP1 Rockline® Precleaner

Features:

- Easy, visual check spring tensioning
- Faceted ConShear™ blade — available in standard urethane or high-temp options — renews its edge as it wears
- Simple, do-it-yourself installation
- Compatible with Flexco fasteners
- Available in High-Temp

Recommended for:

- Belt ranges 12" – 72" (300 – 1800 mm) with belt speeds up to 700 fpm



EZP-LS "Limited Space" Precleaner

Features:

- Compact design
- Standard-duty, solid-blade design
- Visual tension check
- Do-it-yourself installation and minimal maintenance

Recommended for:

- Applications with Belt Ranges 12" – 60" (300 – 1500 mm) and belt speeds up to 500 fpm



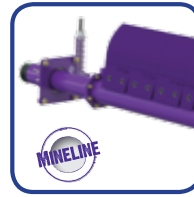
MSP Standard Mine-Duty Precleaner

Features:

- Optimized blade coverage of the belt's material carrying path for better cleaning efficiency and less blade tension adjustment
- QMT Tensioner allows the blade to self-adjust to the belt as it wears for continuous cleaning
- Compatible with Flexco fasteners
- Available in Stainless Steel

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 700 fpm



Mineline® MXP Extreme-Duty Precleaner

Features:

- Ideal for use in copper, coal, iron ore, and oil sands applications
- Designed with a three-piece pole, making it easier to transport and install
- Available with 6" and 12" (150 and 300 mm) wide blade segments for material path versatility and easy replacement

Recommended for:

- Applications with belt ranges 42" to 120" (1050 to 3000 mm) wide and pulley diameters 48" (1200 mm) or larger



Mineline® MMP Medium Mine-Duty Precleaner

Features:

- Dual-tensioned belt cleaner with larger, more durable blade
- Long-lasting TuffShear™ blade stands up to high abrasion applications
- Easy to install
- Available in Stainless Steel

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 1000 fpm



Mineline® MHCP Heavy-Duty Cartridge Precleaner

Features:

- Quick-change cartridge for easy blade replacement
- SuperShear™ segmented blades stand up to wet, sticky material and abusive conditions

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 1200 fpm



H-Type® Precleaner

Features:

- Unique design with segmented blades mounted on individual, pre-tensioned cushions that maintain cleaning efficiency, even as the blades wear
- Available in a variety of application matched styles for compatibility with mechanical fasteners, vulcanized belts, and high-temperature applications

Recommended for:

- Applications with belt ranges 18" – 72" (450 – 1800 mm) and belt speeds up to 1000 fpm



Mineline® MHP Heavy-Duty Precleaner

Features:

- Heavy-duty, solid blade precleaner
- Heavy 3-piece pole design with rugged, dual-spring tensioners
- Abrasion-resistant, XL solid urethane MegaShear™ blade

Recommended for:

- Belt ranges 24" – 96" (600 – 2400 mm) with belt speeds up to 1500 fpm (7.5 m/sec)



HV2 Precleaner

Features:

- Enhanced segmented cushions maintain optimal blade-to-belt contact
- Cushion adjustability so no shimming is required
- Tungsten carbide blades work independently

Recommended for:

- Belt ranges 450 to 1800 mm (18" – 72") with belt speeds up to 7.5 mps (1500 fpm)

Secondary Cleaners



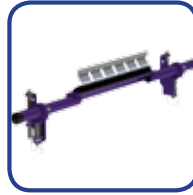
EZS2 Rockline® Secondary Cleaner

Features:

- Long-lasting tungsten carbide blades
- Patented FormFlex™ cushions allow each blade to self-adjust to the belt independently for continuous cleaning power
- Requires minimal maintenance
- Available in High-Temp

Recommended for:

- Belt ranges 18" – 72" (450 – 1800 mm) with belt speeds up to 700 fpm



FMS Medium-Duty Secondary Cleaner

Features:

- Unique sealed cushion design allows each blade to conform to the entire belt
- Easy installation and service with MST tensioner design
- Self-adjusting tensioner maintains optimal blade tension

Recommended for:

- Belt ranges 450 – 1800 mm (18" – 72") with belt speeds up to 5.0 mps (1000 fpm)



P-Type® Secondary Cartridge Cleaner

Features:

- For applications where space is at a premium, the P-Type® belt cleaner is a compact, secondary cleaner delivering exceptional cleaning efficiency with the service friendly cartridge feature
- For really tight space applications the P-Type LS is available, requiring only 5-1/2" (138 mm) of vertical clearance for installation
- Independently tensioned 6" (150 mm) blades
- Also available without cartridge feature

Recommended for:

- Belt ranges 18" – 84" (450 – 2100 mm) with belt speeds up to 1000 fpm



Mineline® MHS Heavy-Duty and Reversing Secondary Cleaner

Features:

- Segmented blades with choice of tungsten carbide tips
- Patented PowerFlex™ cushions for maintaining optimal belt contact
- Two-way cushions available for reversing applications on shuttle conveyors, conveyors that roll back, or tripper and stacker applications

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 1500 fpm



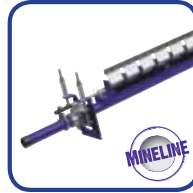
Y-Type™ Secondary Cleaner

Features:

- Segmented tips easily serviced utilizing a removable cartridge
- Available with choice of Polyurethane or Tungsten Carbide blades
- Spring tensioned to deliver optimal cleaning performance and blade life

Recommended for:

- Belt ranges 18" – 72" (450 – 1800 mm) and belt speeds up to 750 fpm
- Reversing belts



Mineline® MHS Secondary Cleaner with Service Advantage Cartridge™

Features:

- Segmented blades with choice of tungsten carbide tips
- Patented PowerFlex™ cushions that maintain optimal belt contact
- Tensioner and cushions create 4 points of relief, making the cleaner fastener friendly
- Service advantage cartridge feature allows for easy service and inspection
- Available in Stainless Steel
- Also available without cartridge feature

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 1200 fpm



R-Type® Reversing Secondary Cartridge Cleaner

Features:

- Tungsten carbide blades for superior cleaning performance with two-way cushions that accommodate reversing belts
- Individually tensioned 6" (150 mm) cleaning tips
- Also available without cartridge feature

Recommended for:

- Reversing applications used on shuttle conveyors, conveyors that roll back, or in tripper and stacker applications
- Belt ranges 18" – 72" (450 – 1800 mm) and belt speeds up to 1000 fpm



MSS Standard-Duty Secondary Cleaner

Features:

- Tungsten carbide blades with self-adjusting tensioners
- Segmented blade design for continuous blade-to-belt cleaning
- Easy maintenance with just a few turns of the tension nuts

Recommended for:

- Belt ranges 24" – 84" (600 – 2100 mm) with belt speeds up to 1000 fpm



U-Type® Secondary Cleaner

Features:

- U-shaped blade that conforms to the belt for superior cleaning
- Tungsten carbide blade tips scrape off stubborn materials, while rubber backer “squeegees” water off the belt
- Dual-spring tensioner delivers low, uniform blade pressure
- Long wear life with low maintenance
- Available in Stainless Steel

Recommended for:

- Tough applications with wet, sticky carryback and belt ranges 18” – 72” (450 – 1800 mm)
- Cupped conveyor belts and/or belts with worn centers with belt speeds up to 1300 fpm



Chevron Belt Cleaner

Features:

- Cleaner designed for chevron, cleated, and raised-rib belts
- Hundreds of rubber fingers create a rotary cleaning action, flicking carryback off belt
- Long-wearing SBR rubber
- Easy to install

Recommended for:

- Wet sand belts, wood chip belts, and other raised top or grooved belts
- Belt ranges 18” – 60” (450 – 1500 mm) and belt speeds up to 500 fpm



Motorized Brush Cleaner

Features:

- Maximum cleaning as it spins opposite the belt direction for optimal cleaning
- Uniquely patterned bristles aid in reducing material buildup and clogging
- Adjustable tensioners allow easy brush-to-belt adjustment as the bristles wear

Recommended for:

- Belt ranges 450 – 2100 mm (18” – 84”) and belt speeds up to 3.5 mps (700 fpm)



MDWS Dry Wipe Secondary Cleaner

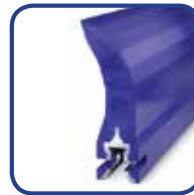
Features:

- Specially formulated ConShear™ Dry Wipe Blade to wipe the belt dry
- Simple, visual blade tension check and accurate blade retensioning
- Extra long pole for use on most mining conveyors

Recommended for:

- The last cleaner in the cleaning system to remove water
- Belt ranges 24” – 84” (600 – 2100 mm) and belt speeds up to 1000 fpm

Cleaner Replacement Blades



ConShear™



High-Temp ConShear™



Carbide Tip

Features:

- Flexco offers a broad selection of application-matched belt cleaner replacement blades for both mechanically fastened and vulcanized belting
- ConShear™, TuffShear™, and SuperShear™ blades are constructed of specially formulated, long wearing urethane for extra abrasion resistance and extra long life
- The High-Temp ConShear™ Blade is designed for continuous, ambient temperatures up to 275° F (135° C) and spikes to 325° F (163° C)
- Impact resistant tungsten carbide blades are also available for mechanically spliced or vulcanized belts while a special, extra long wearing tungsten carbide blade is available for use on vulcanized belts only

Recommended for:

- Flexco belt cleaners on both mechanically fastened and vulcanized belts as well as for cleaners from a variety of other manufacturers

PROTECT THE TAIL PULLEY

Rocks, lumps, and other debris can get into the tail pulley and cause damage to the belt, splice, lagging, or pulley.



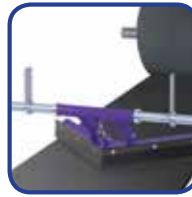
Diagonal Plow

Features:

- Angled installation discharges material to a designated side of the conveyor for easy cleanup
- Exclusive blade design “spirals” material quickly off the belt
- Long blade life with limited maintenance

Recommended for:

- Belts 18” – 84” (450 – 2100 mm) anywhere on the inside of the return belt where there is a problem with materials falling onto the belt



V-Plow

Features:

- Exclusive blade design spirals debris off the return-side belt surface
- Self-adjusting unit accommodates blade wear and keeps plow on the belt
- Easy to install on virtually any conveyor

Recommended for:

- Belts 18” – 96” (450 – 2400 mm) on any conveyor structure at the tail pulley or anywhere carryback is a problem

CORRECT BELT MISTRACKING

Conveyor structure misalignment, off-center loading, material build-up, and worn components can contribute to belt mistracking.



PT Smart™ Belt Trainer

Features:

- Reacts and compensates instantly to belt misalignment
- Sensor Rollers along both belt edges help drive the pivot/tilt action
- Quick and easy installation

Recommended for:

- Medium-Duty belts 18” – 72” (450 – 1800 mm)



PT Max™ Return Side Belt Trainer

Features:

- Unique “pivot and tilt” action that immediately corrects mistracking
- Two sensor rollers on each side to minimize belt edge damage
- Performs in wet and dry conditions
- Available in standard, heavy-duty, and super-duty models for the most extreme conditions

Recommended for:

- Troublesome belts 24” – 120” (600 – 3000 mm) requiring a high performance belt trainer



PT Pro™ Belt Trainer

Features:

- Reacts and compensates instantly for belt misalignment
- Pivot and tilt without sensor rollers, providing two forces to quickly move the belt back to center
- Simple adjustable mount brackets ensure quick and accurate installation

Recommended for:

- Belts 18” – 96” (450 – 2400 mm) standard duty up to 1000 fpm (5.0 mps), heavy duty 1400 fpm (7.0 mps)



PTEZ™ Belt Trainer

Features:

- Unique “Pivot and Tilt” feature responds to and compensates for belt alignment without sensor rollers – the result is two forces quickly moving the belt back to center
- Polyurethane roller cover comes standard to ensure long-lasting performance
- Simple, yet versatile, mounting system ensures quick and accurate installation

Recommended for:

- Medium-Duty belt widths 18” – 48” (450 to 1200 mm) and up to 1600 PIW max tension.



PT Max™ Top Side Belt Trainer

Features:

- Unique “pivot and tilt” action that immediately corrects mistracking
- Two sensor rollers on each side to minimize belt edge damage
- Performs in wet and dry conditions
- Available in standard, heavy-duty, and super-duty models for the most extreme conditions

Recommended for:

- Troublesome belts 24” – 120” (600 – 3000 mm) requiring a high performance belt trainer



Belt Positioner™

Features:

- Correctly “positions” return-side belts
- Simple adjustment for variable belt conditions
- Works on the return-side belt’s bottom cover and not on the belt’s edges

Recommended for:

- Belts 18” – 96” (450 – 2400 mm) that consistently mistrack to one side of the conveyor

ELIMINATE SPILLAGE

Material spillage along the belt line means loss of production, clean-up time, and is a safety hazard for workers.



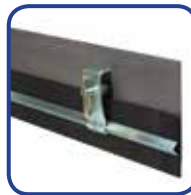
Flex-Lok™ Skirt Clamps

Features:

- Unique, anti-vibration clamp pin and wedge lock assembly
- Skirt material does not cause belt wear or groove marks when properly installed
- Available in 6' (1800 mm) lengths and two heights, Standard and Mini, for easy, custom installation that can be done by one person

Recommended for:

- Skirt rubber thicknesses from 5/16" – 1" (8 – 25 mm)



RMC1 Skirt Clamps

Features:

- A cost-effective solution to material spillage at the loading zone
- Simple, weld-on installation
- Quick, one-person adjustment or replacement of skirt material
- Available in a standard 4' (1200 mm) length and two heights for standard load point containment

Recommended for:

- Skirt rubber thickness from 5/16" – 3/4" (8 – 19 mm)



Flex-Seal™ Skirt System

Features:

- Fully seals the loading zone to eliminate spillage and dust
- Skirt rubber is automatically angled to make a low-pressure parallel seal with belt
- Standard 4' (1200 mm) lengths can be used to create skirting of any length

Recommended for:

- Skirt rubber thickness from 5/16" – 3/4" (8 – 19 mm)



PAL PAKs

Features:

- "Pick-A-Length" (PAL) option for long or special length requirements
- Choose from weld-on or bolt-on clamp pins as well as clamp plates in two heights for custom conveyor requirements
- PAL PAKs contain two clamp pins and two clamp plates

Recommended for:

- Applications with non-standard lengths or limited space



Standard Urethane Skirting

Features:

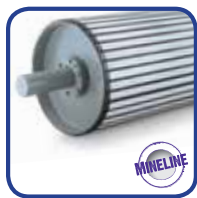
- More wear resistant than rubber – as much as 3-4 times the abrasion resistance in the same application
- Uses soft 65A durometer with exceptional tear resistance – it's the same basic formula as our best-in-class cleaner blades
- Features 35-degree chamfer to eliminate the typical skirting break-in period

Recommended for:

- Available in 25' rolls with 1/2" x 6", 3/4" x 6", 1/2" x 8", and 3/4" x 8"

REDUCE SLIPPAGE

Flexco makes it easy to find the pulley lagging you need to eliminate belt slippage, increase pulley life, improve water shedding, and boost productivity.



Flex-Lag® Ceramic Tile Lagging

Features:

- Ceramic tiles with raised button pattern and a durable rubber backing
- Highest coefficient of friction available in lagging materials
- Easily installed without removing pulley

Recommended for:

- The most severe belt slippage conditions where exceptional traction is essential to operations



Flex-Lag® Weld-On™ Lagging

Features:

- Available in both Rubber and Ceramic styles
- Designed to standard CEMA pulley widths which minimizes the need for trimming
- Patented gear tooth design eliminates wide gutter present in other weld-on products reducing problems associated with belt vibration, cleaner chatter, and cleaner compatibility

Recommended for:

- On-site installation in heavy-duty applications



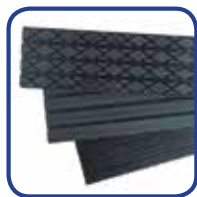
Flex-Lag® Natural Diamond Ceramic Lagging

Features:

- Ceramic tiles molded into the diamond section of the lagging, providing an increased coefficient of friction
- Diamond pattern tiles are surrounded by multiple channels to disperse water and renegade materials, allowing for improved water shedding capabilities
- Available in both natural rubber and FRAS approved rubber in convenient 21 ft. (6.5 M) cut-to-fit rolls with minimal waste

Recommended for:

- Medium tension belt drive applications and all other non-drive pulley lagging applications that need the added advantages of a ceramic product, at a more affordable cost



Flex-Lag® Rubber Lagging

Features:

- Available in plain and diamond-pattern
 - *Plain* – horizontal grooves between rubber strips trap and deflect water from the pulleys
 - *Diamond* – high-durometer rubber for abrasion resistance and even greater water-shedding ability
- Rubber flexes during use, preventing material build-up and belt wear

Recommended for:

- Standard applications with minimal slippage that may experience increased pulley wear

PROTECT THE BELT

Belt wear, belt damage, material degradation, or material rebound at the load point is common in high impact applications.



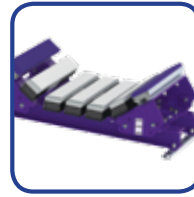
DRX™ Impact Beds

Features:

- Superior impact relief and maximum belt protection
- Velocity Reduction Technology™ controls acceleration to deaden impact energy and reduce reaction forces
- Unique Slide-Out Service™ feature gives direct access to bars and bolts for quick, maintenance
- Four models available for applications up to 200 lb-ft and extreme applications up to 3000 lb-ft

Recommended for:

- Load point zones where heavy or ongoing impact is causing belt wear or belt damage



Modular Impact Beds

Features:

- Superior load zone performance with a flexible platform
- Two designs: all-bar section for high impact areas and slider impact section where lower impact resistance for sealing is required
- Units can be seamlessly combined for ultimate performance
- All bars feature 1" (25 mm) UHMS for long wear life and are quick to service with slide-out trough and center section removal

Recommended for:

- Load point zones with light to heavy impact



Slider Bed

Impact and Slider Beds

Features:

- Various models for light/medium-duty applications, as well as for simply sealing a load zone
- Slider Bed design features long lasting CoreTech™ nylon idlers and impact idlers
- Flexco Impact Beds are suitable for up to 750 lb-ft

Recommended for:

- Load point zones with light to medium impact

OPTIMIZE MATERIAL TRANSFER

For more than 25 years, Flexco has been solving transfer point challenges with the most powerful FlowFirst™ transfer systems on the market.



Features:

- FlowFirst™ transfer chutes provide online route switching and precise load portioning
- Proprietary diverter technology precisely proportions load to each transfer point
- Tasman Warajay® Technology uses the principles of fluid dynamics to calculate material's ideal flow path and speed to significantly boost output

Recommended for:

- Enhanced compliance with OSHA, NIOSH, and other regulatory standards

MAXIMIZE YOUR OPERATION'S PERFORMANCE WITH FLEXCO

Visit our website or contact your local distributor to learn more.

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