

Mecho® /5 System

The original manual roller shade



Mecho®/5 System

MechoSystems is the manufacturer of the original chain-driven, manual roller-shade system.

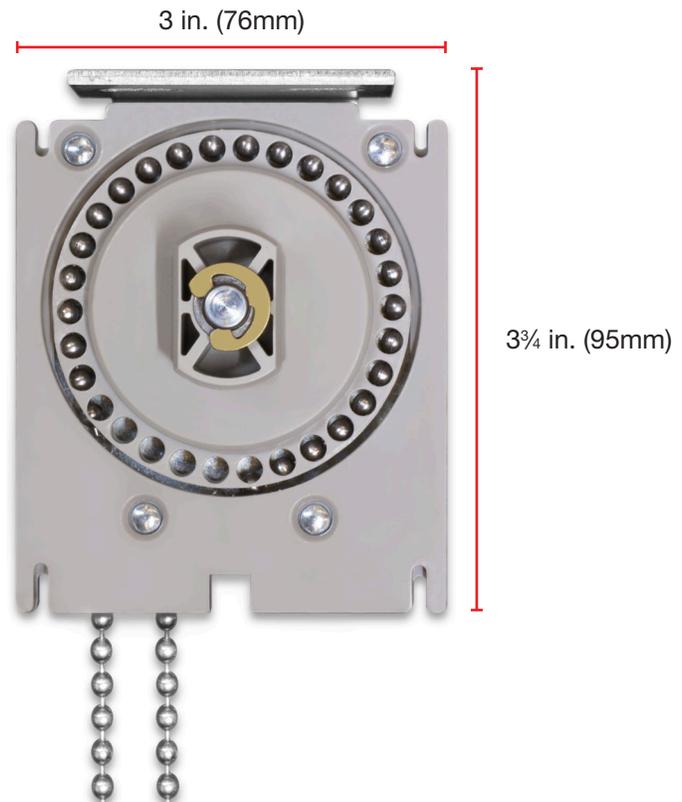
Mecho/5 is the third-generation, heavy-duty shade system engineered from a family of roller shades that emerged in the 1970s.

It is the only complete hardware-and-shadecloth system with a Lifetime Limited Warranty (up to 25 years), including 100% replacement and no depreciation over the life of the warranty.

When installed with EcoVeil® shadecloth, it becomes a Cradle to Cradle Certified Silver™ window-shading system—the first and only in the industry.

Features

- Industrial grade.
- A patented, overrunning-clutch-drive system.
- An oil-impregnated, self-lubricating, large-diameter sprocket.
- 67% more lift capacity than earlier bracket systems.
- Maximized shade-size range of a manual-drive system before motorization is required.
- Accommodates shades up to 126 in. (320cm) wide and up to 180 in. (457cm) high depending on fabric thickness and weight.
- Built-in offset chain to hang closer to the window glass for better fascia coverage.
- Fast, easy installation.
- Field-tested and performance-proven reliability from hundreds of thousands of installations.



Mecho/5 manual roller shade with EcoVeil shadecloth is the first and only Cradle to Cradle Certified Silver™ window-shading system.

The challenge

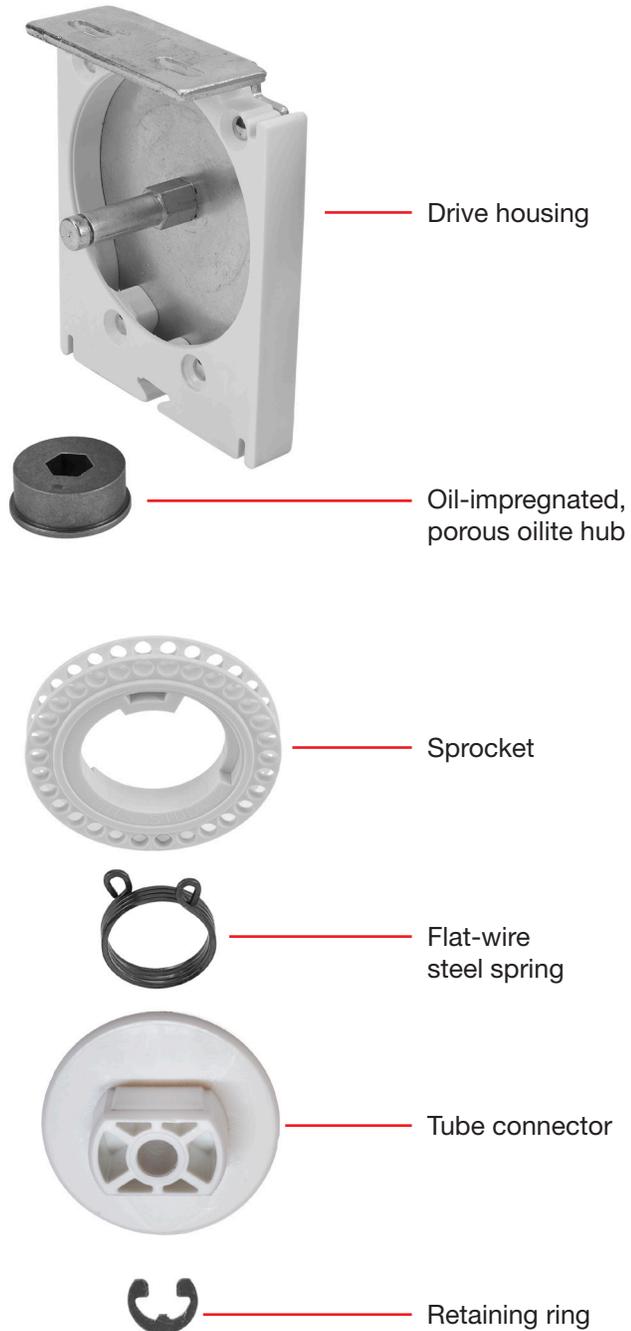
Roller-shade manufacturers are challenged by inhibiting the deterioration of a shade system's metal internal components due to the considerable amount of humidity and temperature variance at the window head. Most manufacturers claim that, under these conditions, a plastic hub and coiled-wire-spring assembly meet the minimal requirements of:

- Quiet steel-to-plastic breaking.
- Steel-to-steel corrosion prevention.

The Mecho/5 solution

- Uses a flat-wire steel spring on a self-lubricating, oil-impregnated oilite hub.
- Operates as a quiet, corrosion-free system.
- Is recognized with U.S. Patent No. 6,164,428.

Rotation of the Mecho/5 wrap-spring assembly generates friction and heat that activates the flow of oil impregnated into the hub to lubricate the hub and spring. The oil coating prevents corrosion and assures a smooth, lifetime operation.



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SnapLoc® spline

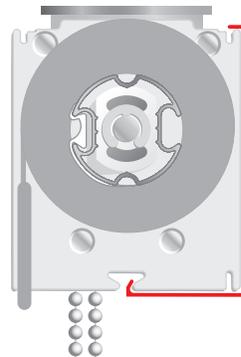
- Assures properly aligned shade bands.
- Holds the shadecloth onto the shade tube for secure shade alignment.
- Easily pressed in and then pulled out for simple replacement.
- Prevents shadecloth from slipping off the roller tube.
- Excellent for hospitals for decontamination.



SnapLoc fascia

- Has a clean, sleek finish.
- Snaps into place top-edge-first and locks at the bottom for ease of installation and added safety.
- No exposed fasteners.

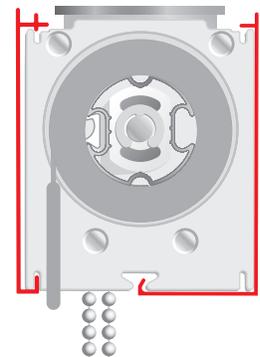
The offset position of the drive chain clears the fascia and hides the chain.



Regular roll



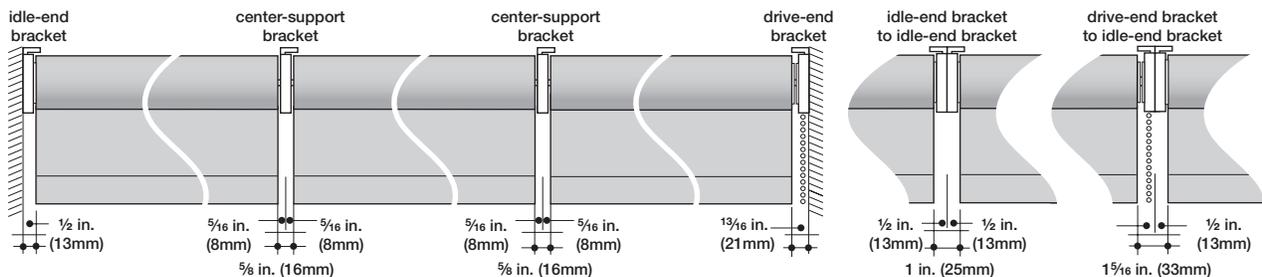
Reverse roll



Double fascia
(front and back for a cassette effect)

Edge clearances

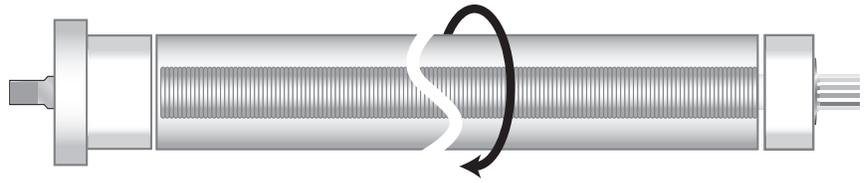
- Have very narrow edge clearances without side channels.



Edge clearances = 1/8 in. (3mm). Shown: A Mecho/5 3-band shade, right-hand drive, regular roll, no fascia.

LiftAssist®

- Fits inside the idle end of the shade tube.
- Includes a spring that compresses when the shade band is lowered to the down position.
- The spring is released when the shade band is raised—easily.
- This reduces the manual lifting force required by an end user to raise an expanded size range of manual shades, single- or multi-band systems.
- LiftAssist is included for all manual shades weighing over 10 lbs. (4.5kg).

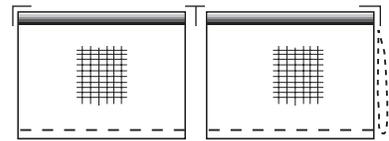


- The award-winning design is ideal for people with diminished strength, especially in health-care settings, where easier access to natural light and views to the outside improve patient outcomes.
- LiftAssist reduces the force required to lift shades by 50% or more.

Multi-banding

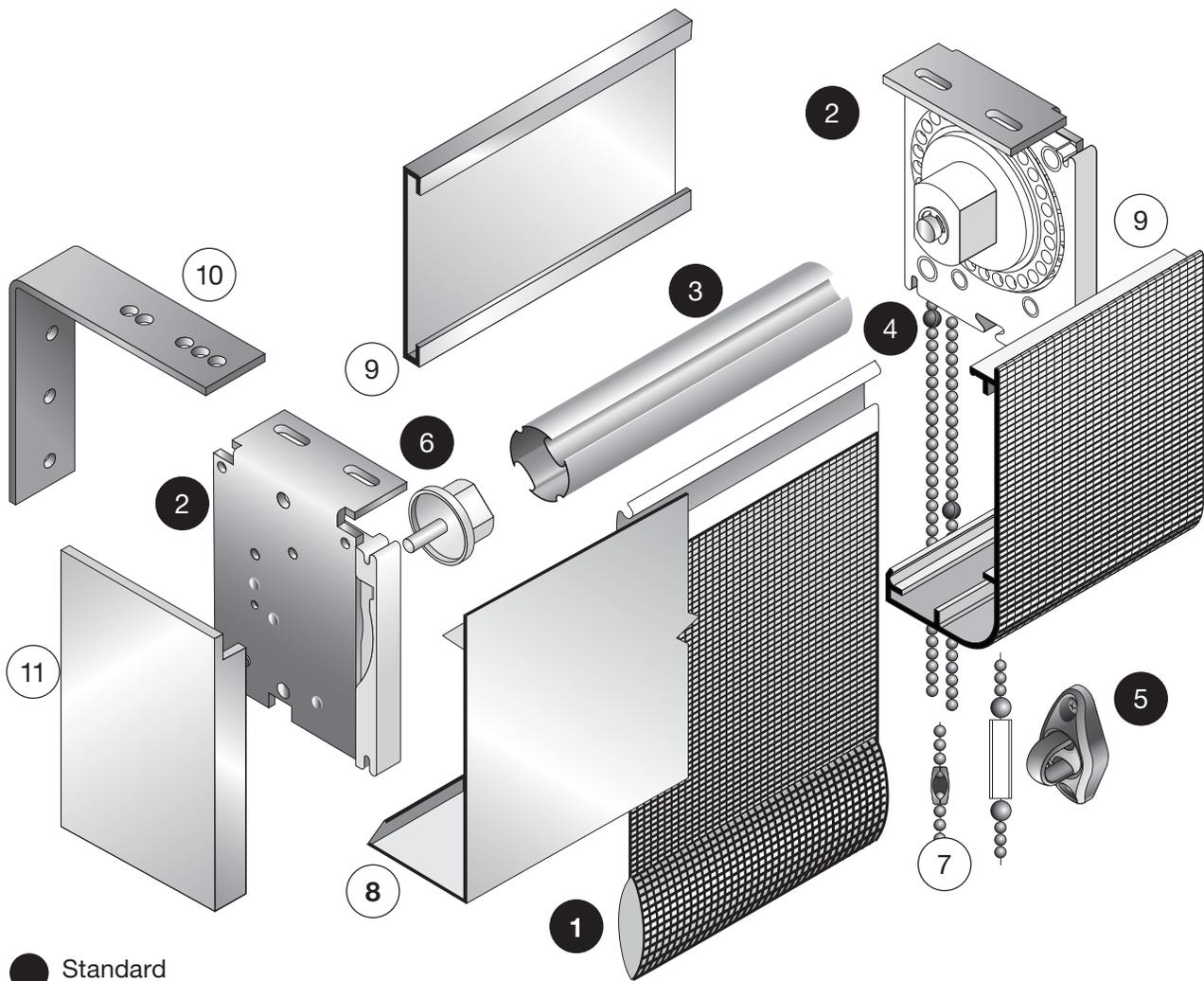
The Mecho/5 manual system with LiftAssist can quietly lift large or multiple shade bands. A single drive bracket can handle two or more shade bands with a single operator. Multi-banding assures simultaneous alignment of the bands and reduces the number of chains.

2012 Nightingale Award Winner.



Multi-banded Mecho/5 manual roller shade installed at Rush University Medical Center, Chicago.

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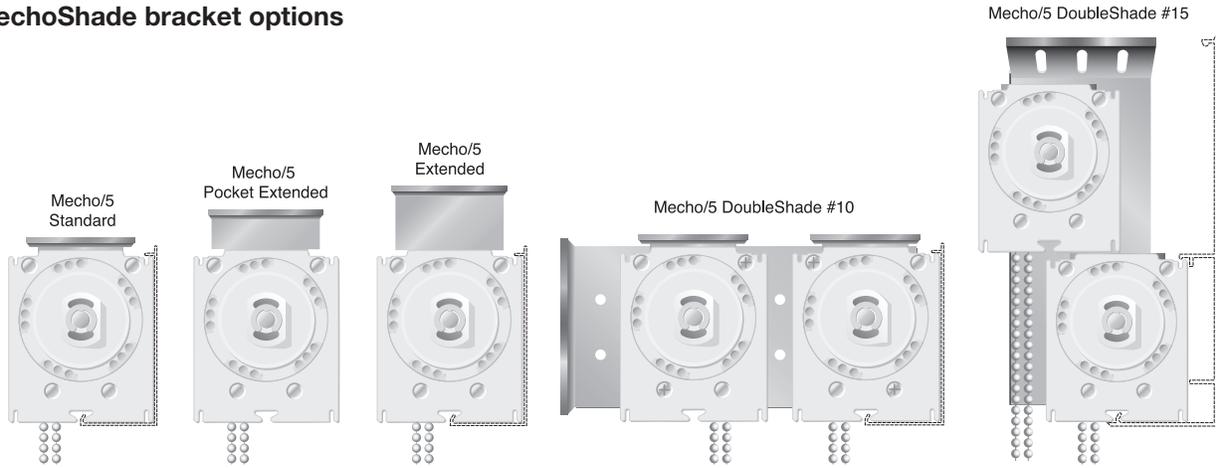


● Standard

○ Optional

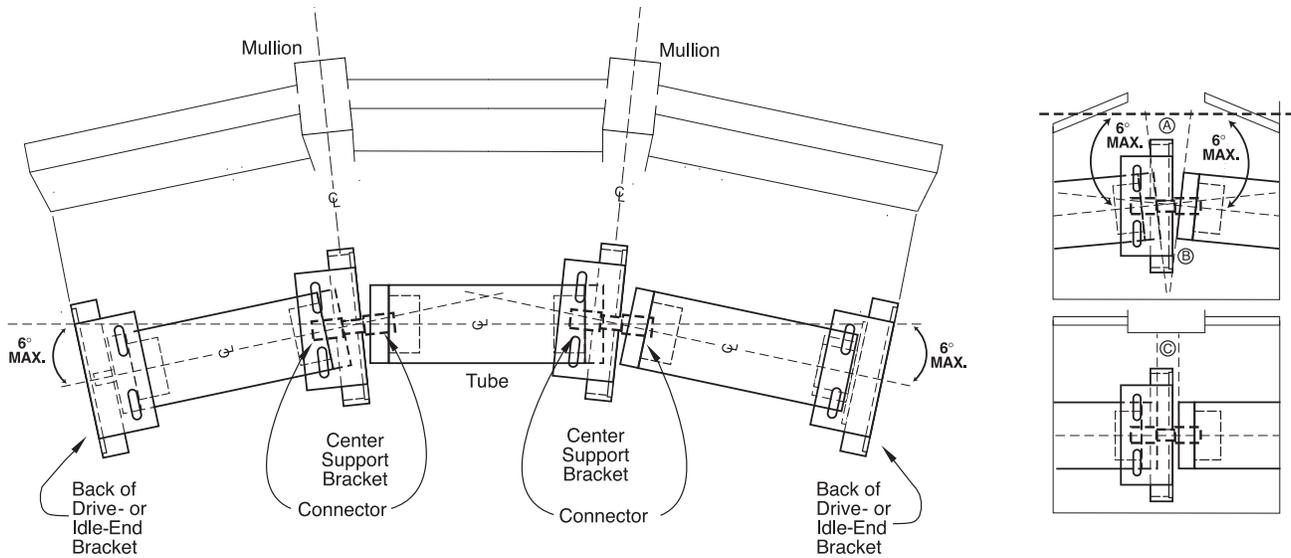
- 1 MechoShade band with SnapLoc® spline
- 2 Interchangeable jamb- or ceiling-mounted drive- and idle-end brackets
- 3 1¼ in. (31mm), 1½ in. (38mm), 1⅞ in. (47mm), 2⅞ in. (53mm), SnapLoc tubes
- 4 Stainless-steel chain with bead stop
- 5 Chain retainer (subject to change)
- 6 Idle-end plugs with shaft pins
- 7 Heavy-duty shock absorber
- 8 Regular-roll SnapLoc fascia
- 9 Reverse-roll SnapLoc fascia
- 10 Wall brackets
- 11 End caps

MechoShade bracket options



Bracket type	Max. roll-up diameter with fascia	Max. roll-up diameter without fascia	Bracket dimensions without optional fascia, roll-up diameter, or wall-mount bracket
Mecho®/5 standard	2¾ in. (70mm)	2¾ in. (70mm)	3 in. (76mm) W x 3¾ in. (95mm) H
Mecho®/5 pocket extended	n/a	4 in. (102mm)	3 in. (76mm) W x 4⅞ in. (111mm) H
Mecho®/5 extended	3⅞ in. (87mm)	5 in. (127mm)	3 in. (76mm) W x 4⅞ in. (122mm) H
Mecho®/5 DoubleShades®			
#10 rear shade blackout	2¾ in. (70mm)	2¾ in. (70mm)	7½ in. (191mm W x 3¾ in. (95mm) H
#10 front shade sunscreen	2¾ in. (70mm)	2¾ in. (70mm)	
#15 top shade blackout	2¾ in. (70mm)	3⅞ in. (86mm)	4⅞ in. (110mm) W x 7⅞ in. (185mm) H
#15 bottom shade sunscreen	2¾ in. (70mm)	4⅞ in. (110mm)	

MechoShade < 12° radius center support





MechoSystems
Design with light®

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