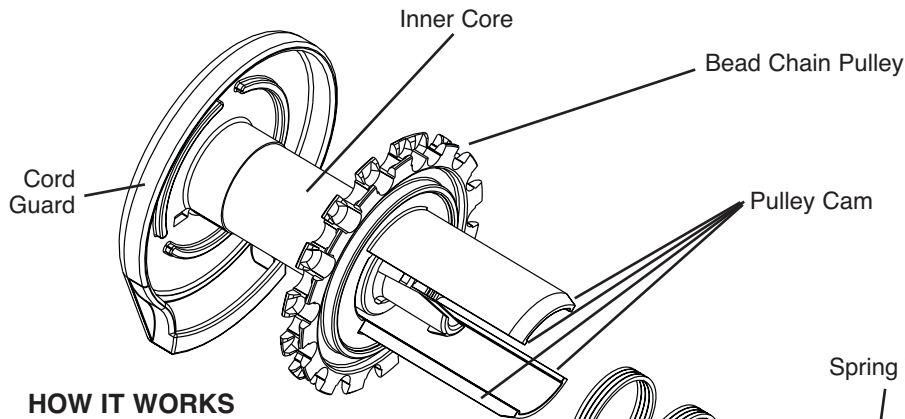
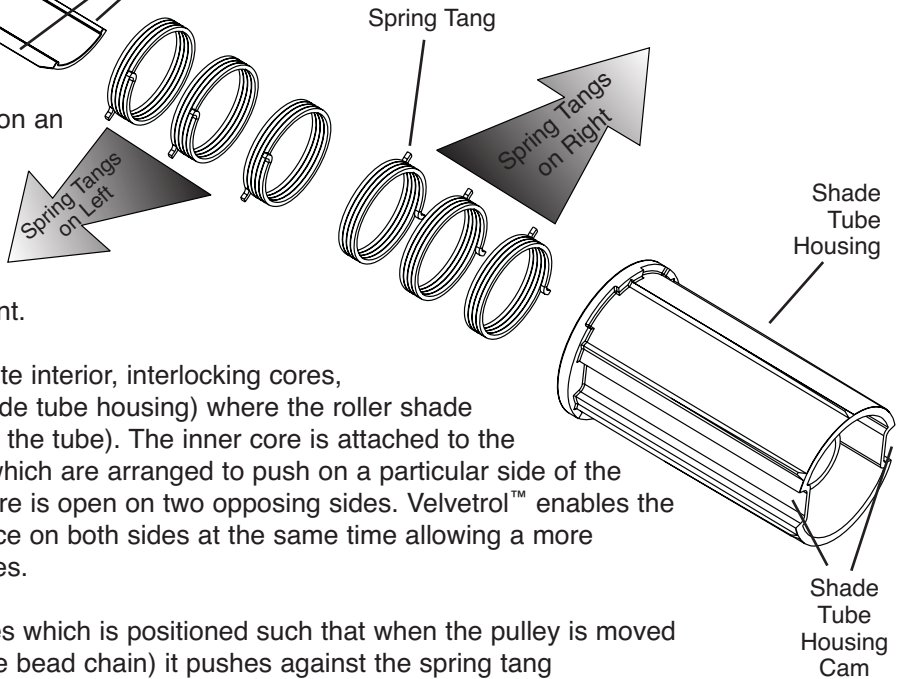


Technology inside the Skyline™ clutch



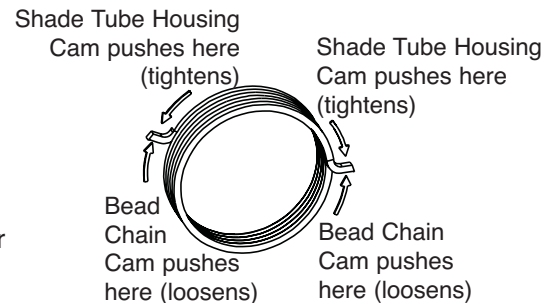
HOW IT WORKS

A clutch utilizes a wrap spring which can either be tightened or loosened on an inner core. Push on one side of the spring tang and the spring diameter decreases locking the clutch and preventing any movement. Push the tang on the other side and the spring opens, allowing free movement.



The clutch is divided into two separate interior, interlocking cores, the first of which on the outside (shade tube housing) where the roller shade tube is attached (fabric is rolled onto the tube). The inner core is attached to the cord guard. Both cores have cams which are arranged to push on a particular side of the spring tang. With Velvetrol™, this core is open on two opposing sides. Velvetrol™ enables the spring tangs to apply a balanced force on both sides at the same time allowing a more smooth and even distribution of forces.

- The pulley has a cam on both sides which is positioned such that when the pulley is moved in either direction (by pulling on the bead chain) it pushes against the spring tang opening the springs diameter and allowing free shade movement.
- Release the bead chain and the spring automatically returns to its original, closed shape, locking the shade in position.
- The shade tube housing has a cam positioned so that the force of the hanging shade pushes on the side of the spring tang locking it to the inner core. The weight of the shade helps keep the shade locked. The more weight on the shade, the tighter the spring locks.



RollEase's patented, balanced core Velvetrol™ multi-spring configuration distributes the interior forces evenly over the inner core and offers the industry's smoothest pull. The ratio between the bead chain pulley and the shade tube provides a mechanical advantage allowing the pull forces to raise a shade to be less than the actual weight of the shade.