

Single vs Dual Spring Systems

As the name implies, a single spring system has one spring to provide the torque needed to counter-balance the ramp door, while a dual spring system has two springs.

This is mostly for safety.

If the spring fails in a single spring system, the entire weight of the door is released, increasing the danger of operator injury and / or door damage.

In a dual spring system, if one spring fails, the other spring is normally sized to carry half of the door weight, reducing the risk of injury or damage.

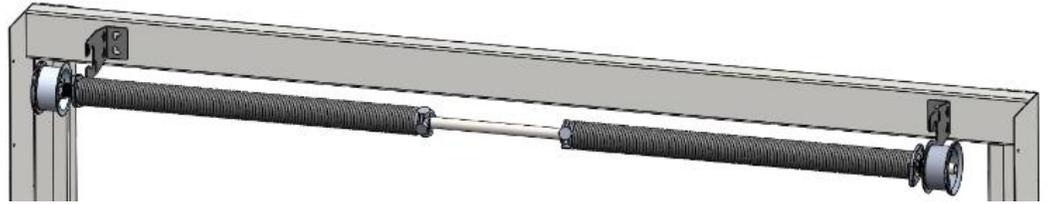
Spring System Styles

Single	One spring, two cables
Dual	Two springs, two cables
Single-Single	One spring, one cable

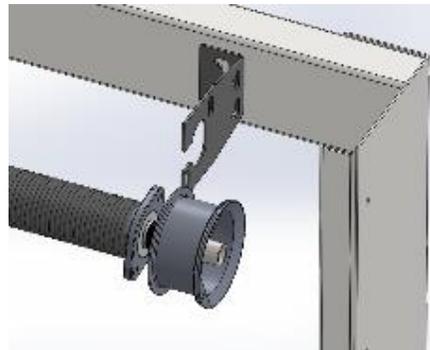
SPECIFICATIONS

Systems	Single
Torque Tube: 14 gage Steel	
Cable Lengths:	110", 150", 174", 195" Other lengths available
Widths:	71", 88", 96" Any length can be supplied
Weight Rating:	45 – 600 lbs We can size any system to meet your needs.

Ramp Door Spring Systems



Ramp door spring systems have been made the same way for 30 years. Very little thought has gone into how to improve the installation and user experience. That changes with Wait Industries introduction of the ErgoSpring™ System. Our new system provides our customers ways to save time and money over conventional systems.



The new ErgoSpring™ system replaces the tube mounted plate with a new, universal hanger bracket. The bearing is integrated into the cone of the spring. This provides several options when mounting and shipping the spring system.

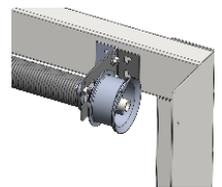
The first option is to do nothing. The ErgoSpring™ will mount and ship just like the traditional systems. However, if you want to take advantage of the hanger system, we can ship the brackets separate from the spring system. This allows you to weld or bolt the bracket at the beginning of the line and hang the spring system, with one person, near the end of the line.

- Simplified design with fewer parts
- Improved hanger bracket design
- Various attachment options
- Available in steel and aluminum
- Will retrofit to existing systems
- Custom sizes available

There are only two bolts for each hanger, compared to four for the traditional systems. The brackets are universal and can be used at either end. The brackets also provide user the ability to adjust the spring system up or down in the slotted holes.

For existing systems, the ErgoSpring™ is fully retrofittable to existing brackets.

The slotted holes on the side of the are designed to line up with the traditional brackets.



**ERGO SPRING™
RETROFIT**

Special Application? Our proprietary spring system sizing software can handle any ramp door geometry and weight. Either fill out our Spring System Specification Template and we can size your system or ask us to come out and measure it for you.