

How to select the right spring

First of all it is very important to have the right spring for your door, if the spring is not matched correctly to the door, it will not work properly and can be dangerous or damage your operator. Make sure that you measure the spring correctly and if you have questions feel free to email us

Step # 1, Measure the wire diameter

To do this you can either use a caliper to measure a single coil, or the more common method is to measure 10 coils then double check by measuring 20 coils, below is a chart to help you get the wire size if you use this method

10-Coil Measurement		20-Coil Measurement		Wire Size
in	cm	in	cm	
1 3/4"	4.50	3 1/2"	8.99	0.177
1 7/8"	4.76	3 3/4"	9.53	0.187
1 15/16"	4.88	3 7/8"	9.75	0.192
2"	5.08	4"	10.16	0.200
2 1/16"	5.26	4 1/8"	10.52	0.207
2 3/16"	5.55	4 3/8"	11.11	0.218
2 1/4"	5.72	4 1/2"	11.45	0.225
2 5/16"	5.95	4 5/8"	11.90	0.234
2 3/8"	6.02	4 3/4"	12.04	0.237
2 7/16"	6.19	4 7/8"	12.38	0.243
2 1/2"	6.35	5"	12.70	0.250
2 5/8"	6.67	5 1/4"	13.34	0.262
2 3/4"	6.93	5 1/2"	13.87	0.273
2 13/16"	7.19	5 5/8"	14.38	0.283

Step 2, Measure the spring inside diameter,

If the spring is broken you can simply use a ruler to measure the Inside of the broken end, if the spring is still in one piece you can measure the outside and deduct the wire size times 2. The most common sizes in residential springs are 1 3/4" and 2"

Step 3, Measure the length of the spring, (spring only, not including the winding cone and stationary cone)

If the spring is broken measure each piece and add the measurements together to get the length. If it is still in one piece it will need to be unwound and be completely relaxed to get the proper measurement.

Step 4 (only if ordering single springs) Determine the Wind of the Spring, (Right hand wind or left hand wind)

Below is an example of the different spring winds. This is probably the most confusing part of the spring ordering process, as the RHW spring is typically on the left side of the door and the LHW is on the right side. Be sure to check the winds and not make assumptions

