

# HOW TO SELECT THE CORRECT GARAGE DOOR SPRINGS

Five important tips to consider

A well-balanced garage door leads to higher efficiency, longer spring life, and ultimately, a happier customer. Learn what features to consider and how to purchase the correct springs for the job with this straightforward article from the experts at SGD Springs.

1

## Type of metal: Galvanized versus carbon steel

While there are many different metal options for springs, the two most common materials used are galvanized metal and carbon steel. They are both good choices, but carbon steel is typically preferred over galvanized metal for most garage door applications.

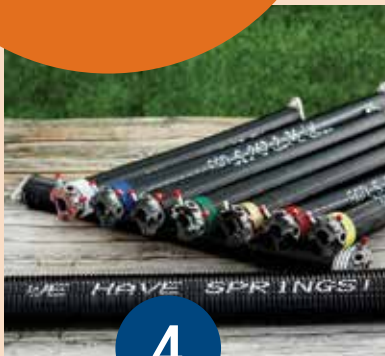
Galvanized metal has antirust properties that make it ideal for applications where rust is a concern. On the other hand, galvanized metal has minimal flexibility, which can negatively affect the life expectancy of a spring. Since this type of metal doesn't stretch much, it is not the best material option for garage door springs.

Carbon steel, conversely, features excellent wire flexibility, but in certain applications it can rust faster than galvanized metal. Adding a protective coating to carbon steel can help prevent rust. With a protective coating, carbon steel is the preferred choice for a much longer-lasting garage door spring.

2

## Diameter size

The larger the diameter of a spring, the longer the spring will last. The most common diameter sizes are between 1-3/4" and 2". By choosing a larger diameter, you will increase the life [cycle] expectancy of the spring.



4

## Type of springs: Coated or uncoated

For all applications, we recommend using coated springs. Applying a coating to your garage door spring will help prevent rust and will give the spring a longer life expectancy. At SGD Springs, we use a "black preventative coating" on both sides.

3

## Spring length

How do you know what spring length to choose? For the most accurate length, first choose the diameter of the spring, then select the wire (spring coil) size, and lastly, determine the appropriate length.

An IPPT (Inch Per Pound Turns) Chart is used to determine the strength of a garage door spring. It calculates how much energy a spring should provide to lift the door. Once you've determined the IPPT value, you can accurately calculate the spring length for your specific application.



5

## Reliable sourcing

Choosing the correct garage door spring supplier is a key factor to a successful installation. There are many suppliers, so make sure to select a company that is reliable, has good lead times, has quality customer service and products, and offers warranties on their products.