

# EXTENSION SPRING SPECS

## 25" LENGTH



WEIGHT (LBS)	WIRE X O.D.
40 lbs	0.105 x 1.025
50 lbs	0.108 x 0.985
60 lbs	0.105 x 0.925
70 lbs	0.105 x 0.880
80 lbs	0.125 x 1.135
90 lbs	0.125 x 1.090
100 lbs	0.142 x 1.275
110 lbs	0.142 x 1.250
120 lbs	0.156 x 1.435
130 lbs	0.156 x 1.400
140 lbs	0.162 x 1.470
150 lbs	0.170 x 1.555
160 lbs	0.177 x 1.630
170 lbs	0.187 x 1.755
180 lbs	0.187 x 1.730
190 lbs	0.187 x 1.700
200 lbs	0.207 x 1.965
210 lbs	0.218 x 2.115
220 lbs	0.225 x 2.170
230 lbs	0.243 x 2.410
240 lbs	0.250 x 2.500
250 lbs	0.262 x 2.675
260 lbs	0.262 x 2.650
270 lbs	0.262 x 2.630
280 lbs	0.262 x 2.610
290 lbs	0.273 x 2.750
300 lbs	0.273 x 2.715
310 lbs	0.283 x 2.825
320 lbs	0.283 x 2.800
330 lbs	0.283 x 2.750
340 lbs	0.295 x 2.900
360 lbs	0.295 x 2.825
380 lbs	0.306 x 2.960
400 lbs	0.306 x 2.905

## 27" LENGTH



WEIGHT	WIRE X O.D.
50 lbs	0.105 x 0.975
60 lbs	0.105 x 0.945
70 lbs	0.105 x 0.885
80 lbs	0.125 x 1.145
90 lbs	0.125 x 1.115
100 lbs	0.142 x 1.320
110 lbs	0.142 x 1.280
120 lbs	0.156 x 1.455
130 lbs	0.156 x 1.420
140 lbs	0.162 x 1.495
150 lbs	0.170 x 1.580
160 lbs	0.177 x 1.660
170 lbs	0.187 x 1.780
180 lbs	0.187 x 1.745
190 lbs	0.187 x 1.705
200 lbs	0.207 x 1.990
210 lbs	0.218 x 2.135
220 lbs	0.225 x 2.230
240 lbs	0.250 x 1.660
260 lbs	0.262 x 2.690
280 lbs	0.262 x 2.575
300 lbs	0.273 x 2.750
320 lbs	0.283 x 2.850
340 lbs	0.295 x 2.960
360 lbs	0.295 x 2.850
380 lbs	0.306 x 2.925
400 lbs	0.306 x 2.880

**Length:** Because of the pulley system, the extension spring's stretch is 1/2 of the door height. A common stretch for an 8' high door is 27X48. The 48 indicates that the difference between the spring length when the door is open and when it is closed is 48 inches. Two times 48 inches is 96 inches, which is 8 feet (the door height).

**Weight:** Extension springs are also designed to lift a certain amount of weight. An 80-pound extension spring, for example, will lift 80 pounds. Because of the pulley system, however, it only lifts 40 pounds of door weight. The extension spring on the other side of the door will lift another 40 pounds. Therefore, two 80-pound extension springs are used on a garage door that weighs 80 pounds.

# EXTENSION SPRING SPECS

## 32" LENGTH



WEIGHT (LBS)	WIRE X O.D.
50 lbs	0.105 x 0.960
60 lbs	0.105 x 0.925
70 lbs	0.105 x 0.870
80 lbs	0.125 x 1.080
90 lbs	0.125 x 1.065
100 lbs	0.142 x 1.280
110 lbs	0.142 x 1.230
120 lbs	0.156 x 1.400
130 lbs	0.156 x 1.370
140 lbs	0.162 x 1.415
150 lbs	0.170 x 1.515
160 lbs	0.177 x 1.585
170 lbs	0.187 x 1.705
180 lbs	0.187 x 1.660
190 lbs	0.187 x 1.635
200 lbs	0.207 x 1.940
220 lbs	0.225 x 2.100
240 lbs	0.250 x 2.000
260 lbs	0.262 x 2.550
280 lbs	0.262 x 2.500
300 lbs	0.273 x 2.650
320 lbs	0.283 x 2.710
340 lbs	0.295 x 2.850
360 lbs	0.295 x 2.765
380 lbs	0.306 x 2.925
400 lbs	0.306 x 2.870
420 lbs	0.312 x 2.925
440 lbs	0.312 x 2.830

## 36" LENGTH



WEIGHT	WIRE X O.D.
50 lbs	0.105 x 0.965
70 lbs	0.105 x 1.000
90 lbs	0.125 x 1.065
100 lbs	0.142 x 1.230
110 lbs	0.142 x 1.200
120 lbs	0.156 x 1.410
140 lbs	0.162 x 1.450
150 lbs	0.170 x 1.500
160 lbs	0.177 x 1.600
180 lbs	0.187 x 1.660
200 lbs	0.207 x 1.890
220 lbs	0.225 x 2.130
240 lbs	0.250 x 2.440
260 lbs	0.262 x 2.615
290 lbs	0.273 x 2.460
300 lbs	0.273 x 2.600

**Length:** Because of the pulley system, the extension spring's stretch is 1/2 of the door height. A common stretch for an 8' high door is 27X48. The 48 indicates that the difference between the spring length when the door is open and when it is closed is 48 inches. Two times 48 inches is 96 inches, which is 8 feet (the door height).

**Weight:** Extension springs are also designed to lift a certain amount of weight. An 80-pound extension spring, for example, will lift 80 pounds. Because of the pulley system, however, it only lifts 40 pounds of door weight. The extension spring on the other side of the door will lift another 40 pounds. Therefore, two 80-pound extension springs are used on a garage door that weighs 80 pounds.