

## FEATURES

- Looped Ends
- Steel Material
- Oiled Finish
- High Quality Materials

## RS PRO Steel Extension Spring, 109mm x 25mm

RS Stock No.: 121-416



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

The Industrial Revolution has brought many useful parts that are still relevant and useful in the 21st century. One of them is Extension Spring, allowing day-to-day tasks to be efficient and safe

## General Specifications

<b>Material</b>	Steel
<b>Ends</b>	Looped
<b>Initial Tension</b>	1110N
<b>Spring Rate</b>	49.7N/mm
<b>Surface Finish</b>	Oiled; Self
<b>Applications</b>	Extension Springs have their place in commercial and domestic use, such as: Robotics, Automotive Interiors and exteriors, Garage door assemblies, vice-grip pliers, Lever mechanisms, Carburettors, Trampoline, Washing devices, Farm machinery, Toys for children, Window screens, Pool cover tension springs, Tension Springs for sofa beds, Upholstery Tension Springs

## Mechanical Specifications

<b>Free Length</b>	109mm
<b>Maximum Extended Length</b>	128mm
<b>Outside Diameter</b>	25mm
<b>Wire Diameter</b>	5mm

## Operation Environment Specifications

**Maximum Working Temperature**

Music Wire- 120°C; Stainless Steel- 300°C

## Approvals

**Standards Met**

DIN17223 Class C; BS1408 CR3; DIN2097 Grade 2



**Specification:**

RS Stock No.	Free Length	Outside Diameter	Spring Rate	Maximum Extended Length
121321	87.2 mm	12 mm	2.52N/mm	134.80 mm
121343	88.6 mm	24 mm	0.92N/mm	206.6 mm
121365	85.5 mm	18 mm	4.27N/mm	133.10 mm
121416	109 mm	25 mm	49.7N/mm	128 mm
751663	27.2 mm	4 mm	0.06N/mm	95.7 mm
751821	32.6 mm	9 mm	0.3N/mm	86.1 mm
751837	44.6 mm	9 mm	0.19N/mm	130.20 mm
751843	60.6 mm	9 mm	0.13N/mm	188.6 mm
751887	60.6 mm	11 mm	0.17N/mm	224.40 mm
751893	34.4 mm	12 mm	0.72N/mm	76.70 mm
751916	59 mm	8.5 mm	1.35N/mm	98.6 mm
751922	66.2 mm	13 mm	0.32N/mm	178.20 mm
751938	105 mm	15 mm	0.26N/mm	292 mm
751944	39.7 mm	11 mm	5.02N/mm	58.4 mm