

FEATURES

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

RS PRO Steel Extension Spring, 87.2mm x 12mm

RS Stock No.: 121-321



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

Material	Steel
Ends	Looped
Initial Tension	141N
Spring Rate	2.52N/mm
Surface Finish	Oiled; Self
Applications	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, Carburetors, Trampoline, Washing devices, Farm machinery, Toys for children, Window screens, Pool cover tension springs, Tension Springs for sofa beds, Upholstery Tension Springs

Mechanical Specifications

Free Length	87.2mm
Maximum Extended Length	134.80mm
Outside Diameter	12mm
Wire Diameter	1.8mm

Operation Environment Specifications

Maximum Working Temperature	Music Wire- 120°C; Stainless Steel- 300°C
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Approvals

Standards Met	DIN17223 Class C; BS1408 CR3; DIN2097 Grade 2
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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