

# MagSpring - Magnetic Springs



## Design

- Simple, two component design
- 100% passive, permanent magnet device
  - ◆ No electricity or compressed air required
- Compatible with H-guides & Linear-rotary motors

## Application

- Ideal for compensating gravitational force
- Delivers constant force through entire working range
- Suitable for dynamic movements
- Forces up to 60 N
- Strokes up to 350 mm

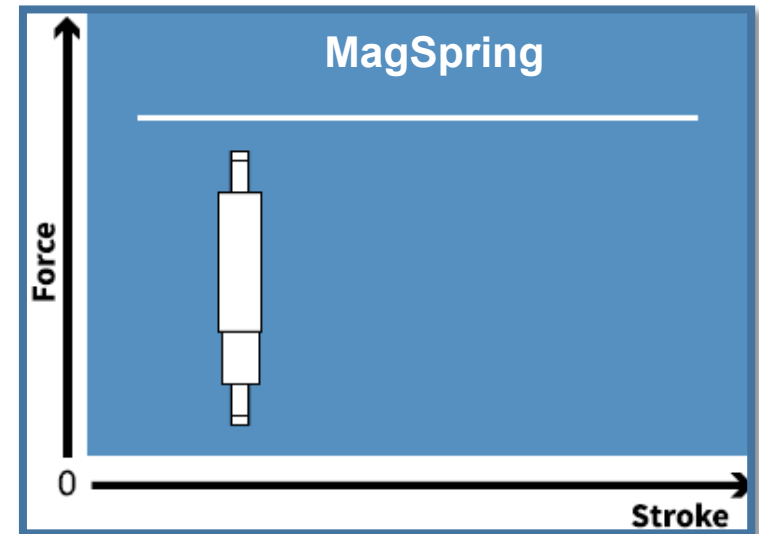


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## MagSpring Stator/Slider Specifications

		M01-20x	M01-37x
Constant Force (CF)	lbf (N)	2.5/3.8/4.9 (11/17/22)	9/11.2/13.5 (40/50/60)
CF Stroke Range	in (mm)	up to 11.42 (290)	up to 13.78 (350)
Stator Diameter	in (mm)	.79 (20)	1.46 (37)
Stator Lengths	in (mm)	2.36—11.81 (60—300)	3.15—14.96 (80—380)
Slider Diameter	in (mm)	.47 (12)	.47 (12)
Slider Lengths	in (mm)	5.12—14.57 (130—370)	5.12—17.72 (130—450)



## Supplied Forces - Stator and Slider Combinations

Stator Size	2.5 lbf (11 N)	3.8 lbf (17 N)	4.9 lbf (22 N)	CF Stroke
MS01-20x60	ML01-12x130-10	ML01-12x130-15	ML01-12x130-20	1.97 in (50 mm)
MS01-20x140	ML01-12x210-10	ML01-12x210-15	ML01-12x210-20	5.12 in (130 mm)
MS01-20x220	ML01-12x290-10	ML01-12x290-15	ML01-12x290-20	8.27 in (210 mm)
MS01-20x300	ML01-12x370-10	ML01-12x370-15	ML01-12x370-20	11.42 in (290 mm)
Stator Size	9 lbf (40 N)	11.2 lbf (50 N)	13.5 lbf (60 N)	CF Stroke
MS01-37x80	ML01-12x130-10	ML01-12x130-15	ML01-12x130-20	1.97 in (50 mm)
MS01-37x155	ML01-12x210-10	ML01-12x210-15	ML01-12x210-20	4.92 in (125 mm)
MS01-37x230	ML01-12x290-10	ML01-12x290-15	ML01-12x290-20	7.78 in (200 mm)
MS01-37x305	ML01-12x370-10	ML01-12x370-15	ML01-12x370-20	10.83 in (275 mm)
MS01-37x380	--	--	ML01-12x450-20	13.78 in (350 mm)

