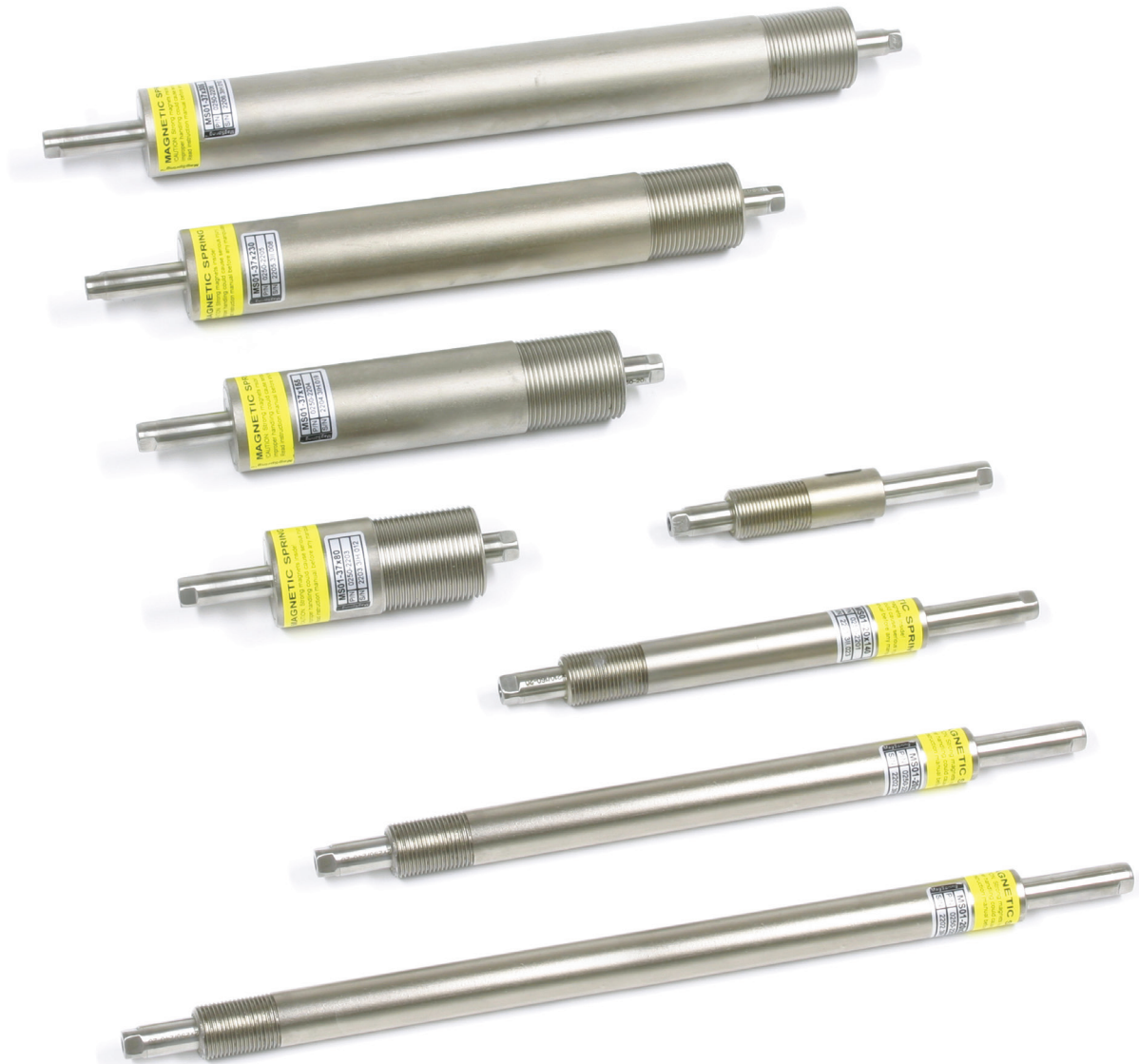


# MAGSPRING



MagSpring products can best be described as "magnetic springs." The term "spring", however, is to be understood to mean that MagSpring components generate a constant force over their entire working range, while the characteristic curve for a typical mechanical spring shows an

increase in force with increasing displacement. The generation of force that is independent of the stroke makes MagSprings preferable for balancing weight forces in vertical drive applications.

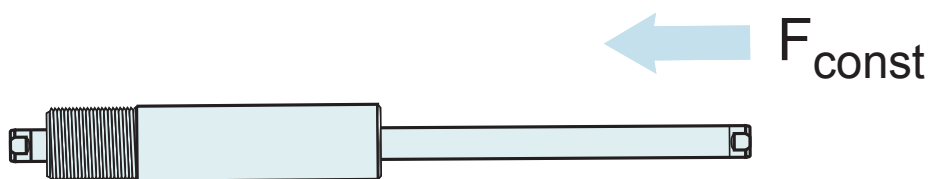
## Mode of operation

The mode of operation is based on the attractive force of permanent magnets. Accordingly, no energy source (electricity, compressed air, etc.) is needed. The special design of the flow-guiding components and the magnets translates the strongly non-linear relationship between force and displacement in magnet-iron arrangements into a constant force curve. Depending on the strength class of the MagSpring, the permanent magnets are either in the stator, in the slider, or in both components. The slider is guided by an integrated plain bearing, so that MagSprings can be used comparably to gas pressure springs in a design.

## WEIGHT LOAD COMPENSATION

Linear motors and other direct drives must provide a constant force in vertical orientations, in order to oppose the weight load. Using a MagSpring installed in parallel with the linear motor, this weight load can be passively balanced. The linear motor is then only used for the actual positioning operation and dynamic forces, and can therefore be correspondingly smaller in design.

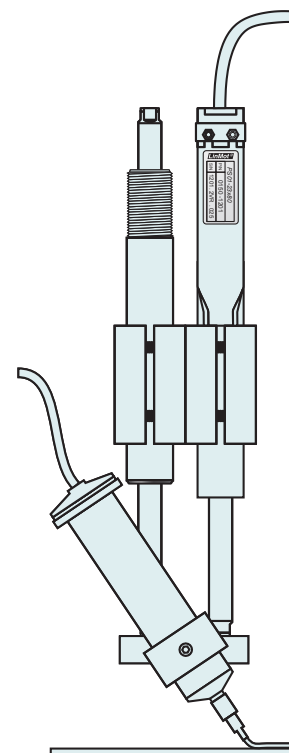
## APPLICATION OF CONSTANT FORCE



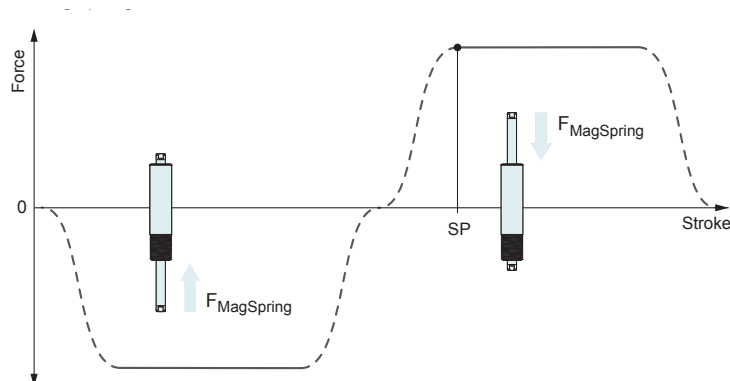
## HOLDING FUNCTION (POWER OFF)

Since MagSprings are purely passive elements, a defined function or position of a device can be ensured in a power-off condition. For example, a gripper or press head on a vertical mount can be held up, or a slider can be pushed in or pulled out with a constant force.

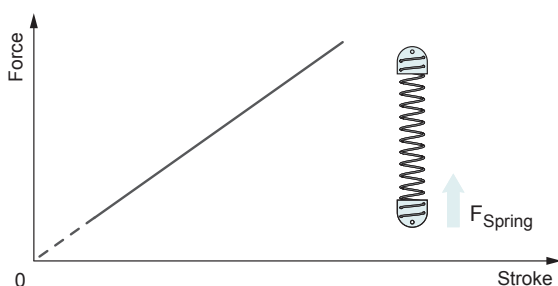
Thanks to the constant force-displacement curve, many other applications are possible, such as the generation of a constant press force, regardless of position; application of a constant holding force across a large stroke range; or single-sided force support in drive applications. The effective force is in the range of +/- 10% of the nominal force, due to material and manufacturing tolerances.



## MagSpring ©



## Mechanical Spring



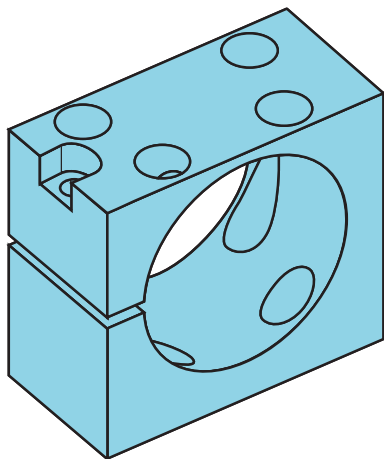
## Working Range

In the relaxed state, the slider is approximately centered in the stator, while the working end of the slider extends somewhat out of the end of the stator. Fundamentally, however, both ends of the slider can be used to mount loads. From this rest position, the slider can be pulled or pushed out of the stator in both directions. The force increases from zero to the nominal force within a short stroke length. The working stroke then continues with a constant force. The start position (SP) describes the distance between the working end of the slider and the end of the stator at the beginning of the constant force range.



## MOUNTING

The stators can be mounted via the screw thread, or with a clamp, as desired. There are appropriate mounting flanges for both sizes. When attaching the slider to the load mass, care should be taken that any parallelism errors are compensated for with a flexible coupler.



## COMBINATION WITH H-GUIDES

The illustration on the page before shows a vertical arrangement of an H01 linear guide together with a MagSpring. The MagSpring presses upward with a constant force. The weight load is balanced by the MagSpring, and the linear motor thus bears less load. If the electrical power supply is interrupted, the MagSpring supports the load, or moves it into a safe waiting position.

## MATERIALS

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### Slider:

Chromium-Nickel Steel 1.4301



### Stator:

Iron, electroless nickel plated



### Bearing:

POM based



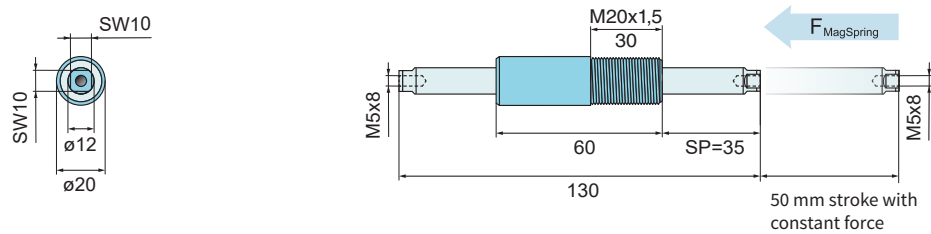
# MagSpring

## M01-20



- ✓ Constant force along the entire stroke
- ✓ Stroke up to 290 mm
- ✓ Force up to 22 N
- ✓ Purely passive, no electricity needed nor compressed air
- ✓ Ideal for compensating the gravitational force
- ✓ Also suitable for dynamic movements
- ✓ Compatible with H-guides

M01-20x60/50: FORCE 11-22N / STROKE 50 mm

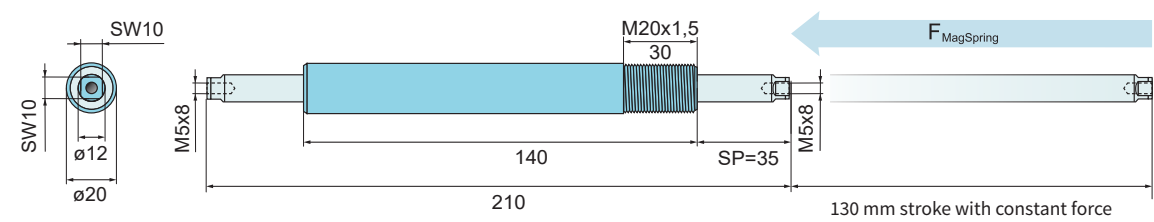


Dimensions in mm

The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring       | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|-----------------|--------------------|----------------------|----------------------|
| M01-20x60/50-11 | 11                 | 75 (0.16)            | 75 (0.16)            |
| M01-20x60/50-17 | 17                 | 75 (0.16)            | 75 (0.16)            |
| M01-20x60/50-22 | 22                 | 75 (0.16)            | 75 (0.16)            |

M01-20x140/130: FORCE 11-22N / STROKE 130 mm

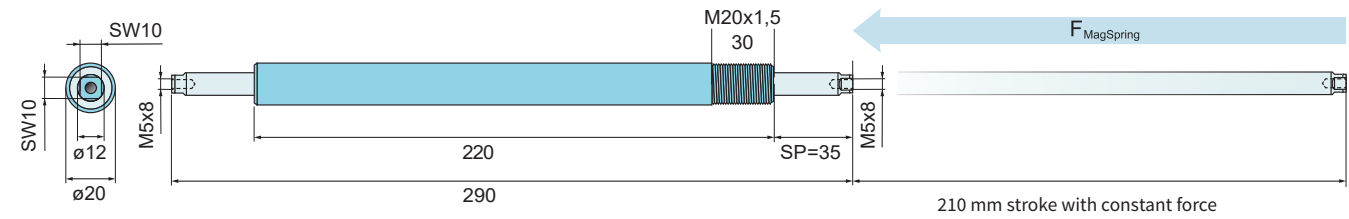


Dimensions in mm

The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring         | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|-------------------|--------------------|----------------------|----------------------|
| M01-20x140/130-11 | 11                 | 180 (0.39)           | 155 (0.34)           |
| M01-20x140/130-17 | 17                 | 180 (0.39)           | 155 (0.34)           |
| M01-20x140/130-22 | 22                 | 180 (0.39)           | 155 (0.34)           |

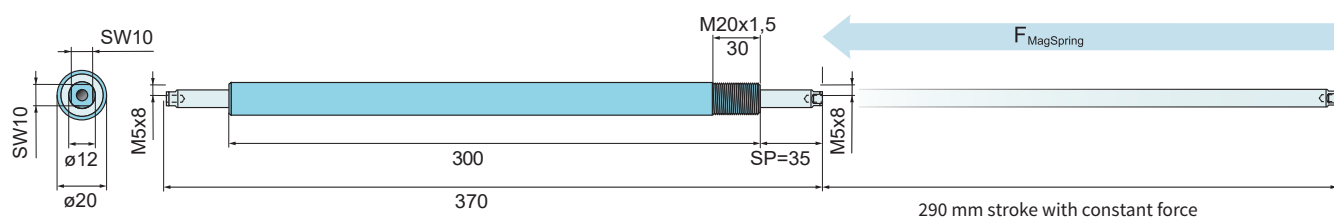
M01-20x220/210: FORCE 11-22N / STROKE 210 mm



Dimensions in mm

The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring         | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|-------------------|--------------------|----------------------|----------------------|
| M01-20x220/210-11 | 11                 | 285 (0.62)           | 220 (0.49)           |
| M01-20x220/210-17 | 17                 | 285 (0.62)           | 220 (0.49)           |
| M01-20x220/210-22 | 22                 | 285 (0.62)           | 220 (0.49)           |

**M01-20x300/290: FORCE 11-22N / STROKE 290 mm**

The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|--------------------------|--------------------|----------------------|----------------------|
| <b>M01-20x300/290-11</b> | 11                 | 388 (0.86)           | 280 (0.61)           |
| <b>M01-20x300/290-17</b> | 17                 | 388 (0.86)           | 280 (0.61)           |
| <b>M01-20x300/290-22</b> | 22                 | 388 (0.86)           | 280 (0.61)           |

**ORDERING INFORMATION**

| M01-20x60/50   |        | MagSpring M01-20 with 50 mm stroke  |  |  |                           |
|----------------|--------|-------------------------------------|--|--|---------------------------|
|                | Stator | MS01-20x60                          | MagSpring Stator 20x60 mm                      |  | <a href="#">0250-2200</a> |
|                | Slider | ML01-12x130/80-10                   | Slider for MagSpring M01-20x60/50, Force 11N   |  | <a href="#">0250-2300</a> |
|                |        | ML01-12x130/80-15                   | Slider for MagSpring M01-20x60/50, Force 17N   |  | <a href="#">0250-2308</a> |
|                |        | ML01-12x130/80-20                   | Slider for MagSpring M01-20x60/50, Force 22N   |  | <a href="#">0250-2301</a> |
| M01-20x140/130 |        | MagSpring M01-20 with 130 mm stroke |  |  |                           |
|                | Stator | MS01-20x140                         | MagSpring Stator 20x140 mm                     |  | <a href="#">0250-2201</a> |
|                | Slider | ML01-12x210/160-10                  | Slider for MagSpring M01-20x140/130, Force 11N |  | <a href="#">0250-2302</a> |
|                |        | ML01-12x210/160-15                  | Slider for MagSpring M01-20x140/130, Force 17N |  | <a href="#">0250-2309</a> |
|                |        | ML01-12x210/160-20                  | Slider for MagSpring M01-20x140/130, Force 22N |  | <a href="#">0250-2303</a> |
| M01-20x220/210 |        | MagSpring M01-20 with 210 mm stroke |  |  |                           |
|                | Stator | MS01-20x220                         | MagSpring Stator 20x220 mm                     |  | <a href="#">0250-2202</a> |
|                | Slider | ML01-12x290/240-10                  | Slider for MagSpring M01-20x220/210, Force 11N |  | <a href="#">0250-2304</a> |
|                |        | ML01-12x290/240-15                  | Slider for MagSpring M01-20x220/210, Force 17N |  | <a href="#">0250-2310</a> |
|                |        | ML01-12x290/240-20                  | Slider for MagSpring M01-20x220/210, Force 22N |  | <a href="#">0250-2305</a> |
| M01-20x300/290 |        | MagSpring M01-20 with 290 mm stroke |  |  |                           |
|                | Stator | MS01-20x300                         | MagSpring Stator 20x300 mm                     |  | <a href="#">0250-2207</a> |
|                | Slider | ML01-12x370/320-10                  | Slider for MagSpring M01-20x300/290, Force 11N |  | <a href="#">0250-2311</a> |
|                |        | ML01-12x370/320-15                  | Slider for MagSpring M01-20x300/290, Force 17N |  | <a href="#">0250-2312</a> |
|                |        | ML01-12x370/320-20                  | Slider for MagSpring M01-20x300/290, Force 22N |  | <a href="#">0250-2313</a> |



# MagSpring

## M01-37

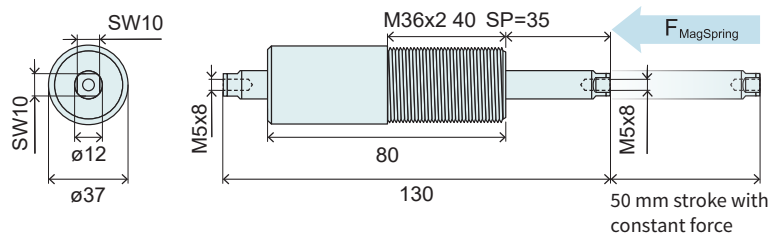


12

- ✓ Constant force along the entire stroke
- ✓ Stroke up to 350 mm
- ✓ Force up to 60 N
- ✓ Purely passive, no electricity needed nor compressed air
- ✓ Ideal for compensating the gravitational force
- ✓ Also suitable for dynamic movements
- ✓ Compatible with H-guides



### M01-37x80/50: FORCE 40-60N / STROKE 50 mm

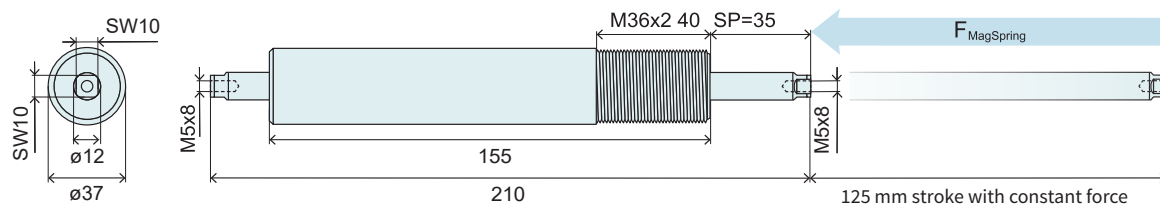


The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring              | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|------------------------|--------------------|----------------------|----------------------|
| <b>M01-37x80/50-40</b> | 40                 | 440 (0.90)           | 75 (0.16)            |
| <b>M01-37x80/50-50</b> | 50                 | 440 (0.90)           | 75 (0.16)            |
| <b>M01-37x80/50-60</b> | 60                 | 440 (0.90)           | 75 (0.16)            |

### M01-37x155/125: FORCE 40-60N / STROKE 125 mm



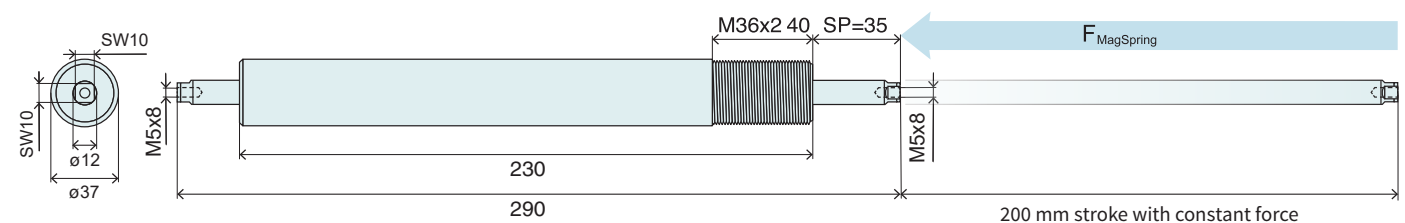
The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|--------------------------|--------------------|----------------------|----------------------|
| <b>M01-37x155/125-40</b> | 40                 | 880 (1.80)           | 155 (0.34)           |
| <b>M01-37x155/125-50</b> | 50                 | 880 (1.80)           | 155 (0.34)           |
| <b>M01-37x155/125-60</b> | 60                 | 880 (1.80)           | 155 (0.34)           |

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### M01-37x230/200: FORCE 40-60N / STROKE 200 mm

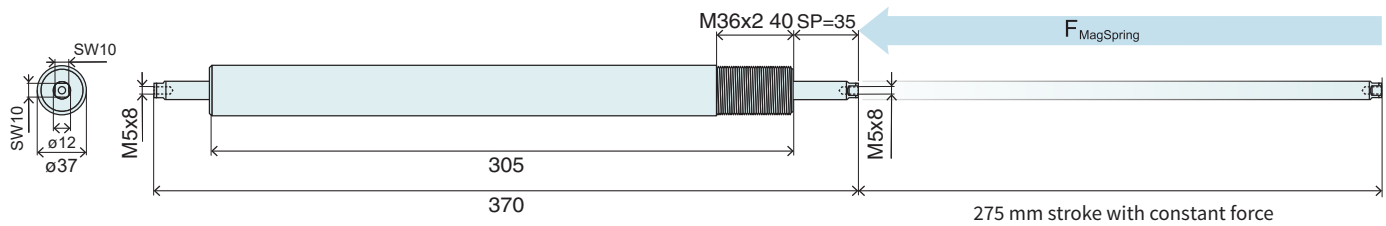


The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP.  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|--------------------------|--------------------|----------------------|----------------------|
| <b>M01-37x230/200-40</b> | 40                 | 1320 (2.70)          | 220 (0.49)           |
| <b>M01-37x230/200-50</b> | 50                 | 1320 (2.70)          | 220 (0.49)           |
| <b>M01-37x230/200-60</b> | 60                 | 1320 (2.70)          | 220 (0.49)           |

### M01-37x305/275: FORCE 40-60N / STROKE 275 mm

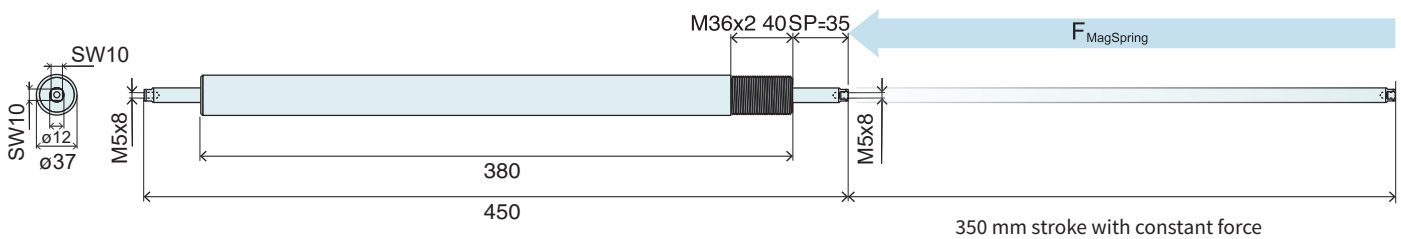


The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|--------------------------|--------------------|----------------------|----------------------|
| <b>M01-37x305/275-40</b> | 40                 | 1800 (3.90)          | 280 (0.61)           |
| <b>M01-37x305/275-50</b> | 50                 | 1800 (3.90)          | 280 (0.61)           |
| <b>M01-37x305/275-60</b> | 60                 | 1800 (3.90)          | 280 (0.61)           |

**M01-37x380/350: FORCE 60N / STROKE 350 mm**



The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|--------------------------|--------------------|----------------------|----------------------|
| <b>M01-37x380/350-60</b> | 60                 | 2200 (4.85)          | 420 (0.93)           |



## ORDERING INFORMATION

| M01-37x80/50   |          | MagSpring M01-37 with 50 mm stroke   |  |  |                           |
|----------------|----------|--------------------------------------|--|--|---------------------------|
|                | → Stator | MS01-37x80                           | MagSpring Stator 37x80mm                       |  | <a href="#">0250-2203</a> |
|                | → Slider | ML01-12x130/80-10                    | Slider for MagSpring M01-37x80/50, Force 40N   |  | <a href="#">0250-2300</a> |
|                |          | ML01-12x130/80-15                    | Slider for MagSpring M01-37x80/50, Force 50N   |  | <a href="#">0250-2308</a> |
|                |          | ML01-12x130/80-20                    | Slider for MagSpring M01-37x80/50, Force 60N   |  | <a href="#">0250-2301</a> |
| M01-37x155/125 |          | MagSpring M01-37 with 125 mm stroke  |  |  |                           |
|                | → Stator | MS01-37x155                          | MagSpring Stator 37x155mm                      |  | <a href="#">0250-2204</a> |
|                | → Slider | ML01-12x210/160-10                   | Slider for MagSpring M01-37x155/125, Force 40N |  | <a href="#">0250-2302</a> |
|                |          | ML01-12x210/160-15                   | Slider for MagSpring M01-37x155/125, Force 50N |  | <a href="#">0250-2309</a> |
|                |          | ML01-12x210/160-20                   | Slider for MagSpring M01-37x155/125, Force 60N |  | <a href="#">0250-2303</a> |
| M01-37x230/200 |          | MagSprings M01-37 with 200 mm stroke |  |  |                           |
|                | → Stator | MS01-37x230                          | MagSpring Stator 37x230mm                      |  | <a href="#">0250-2205</a> |
|                | → Slider | ML01-12x290/240-10                   | Slider for MagSpring M01-37x230/200, Force 40N |  | <a href="#">0250-2304</a> |
|                |          | ML01-12x290/240-15                   | Slider for MagSpring M01-37x230/200, Force 50N |  | <a href="#">0250-2310</a> |
|                |          | ML01-12x290/240-20                   | Slider for MagSpring M01-37x230/200, Force 60N |  | <a href="#">0250-2305</a> |
| M01-37x305/275 |          | MagSprings M01-37 with 275 mm stroke |  |  |                           |
|                | → Stator | MS01-37x305                          | MagSpring Stator 37x305mm                      |  | <a href="#">0250-2206</a> |
|                | → Slider | ML01-12x370/320-10                   | Slider for MagSpring M01-37x305/275, Force 40N |  | <a href="#">0250-2311</a> |
|                |          | ML01-12x370/320-15                   | Slider for MagSpring M01-37x305/275, Force 50N |  | <a href="#">0250-2312</a> |
|                |          | ML01-12x370/320-20                   | Slider for MagSpring M01-37x305/275, Force 60N |  | <a href="#">0250-2313</a> |
| M01-37x380/350 |          | MagSpring M01-37 with stroke 350 mm  |  |  |                           |
|                | → Stator | MS01-37x380                          | MagSpring Stator 37x380mm                      |  | <a href="#">0250-2209</a> |
|                | → Slider | ML01-12x450/400-20                   | Slider for MagSpring M01-37x380/350, Force 60N |  | <a href="#">0250-2332</a> |



# MagSpring

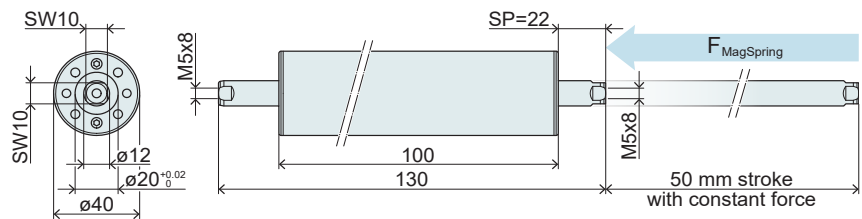
## M01-40-SSC



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- ✓ Stainless steel design of the proven MagSpring
- ✓ Constant force along the entire stroke
- ✓ Stroke up to 350 mm
- ✓ Force up to 60 N
- ✓ Purely passive, no electricity needed nor compressed air
- ✓ Ideal for compensating the gravitational force
- ✓ Also suitable for dynamic movements

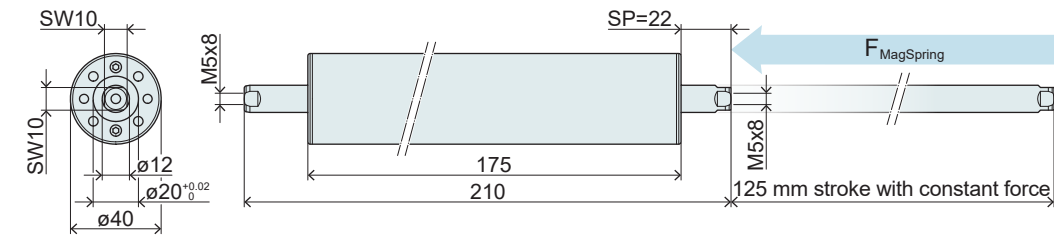
M01-40x100-SSC/50: FORCE 40-60N / STROKE 50 mm



The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. Dimensions in mm  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring            | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|----------------------|--------------------|----------------------|----------------------|
| M01-40x100-SSC/50-40 | 40                 | 440 (0.90)           | 75 (0.16)            |
| M01-40x100-SSC/50-50 | 50                 | 440 (0.90)           | 75 (0.16)            |
| M01-40x100-SSC/50-60 | 60                 | 440 (0.90)           | 75 (0.16)            |

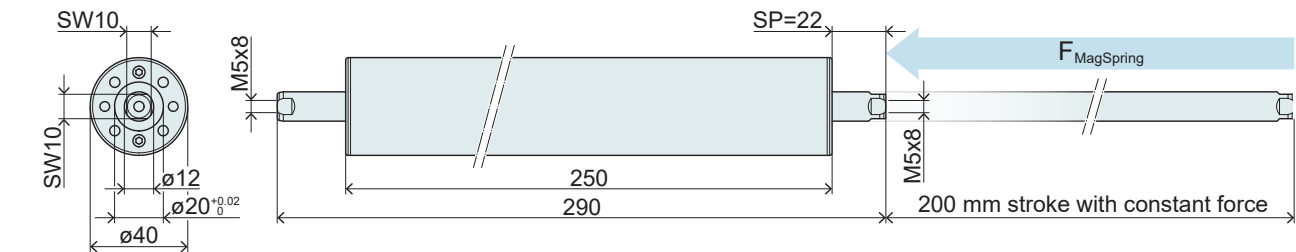
M01-40x175-SSC/125: FORCE 40-60N / STROKE 125 mm



The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. Dimensions in mm  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring             | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|-----------------------|--------------------|----------------------|----------------------|
| M01-40x175-SSC/125-40 | 40                 | 880 (1.80)           | 155 (0.34)           |
| M01-40x175-SSC/125-50 | 50                 | 880 (1.80)           | 155 (0.34)           |
| M01-40x175-SSC/125-60 | 60                 | 880 (1.80)           | 155 (0.34)           |

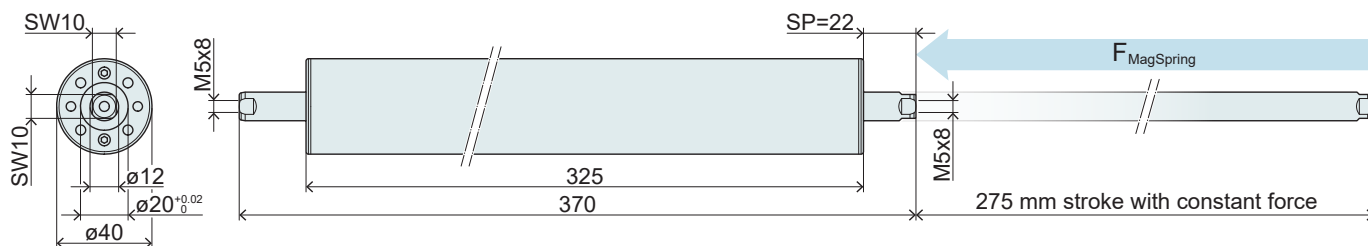
M01-40x250-SSC/200: FORCE 40-60N / STROKE 200 mm



The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. Dimensions in mm  
The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

| MagSpring             | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|-----------------------|--------------------|----------------------|----------------------|
| M01-40x250-SSC/200-40 | 40                 | 1320 (2.70)          | 220 (0.49)           |
| M01-40x250-SSC/200-50 | 50                 | 1320 (2.70)          | 220 (0.49)           |
| M01-40x250-SSC/200-60 | 60                 | 1320 (2.70)          | 220 (0.49)           |

**M01-40x325-SSC/275: FORCE 40-60N / STROKE 275 mm**

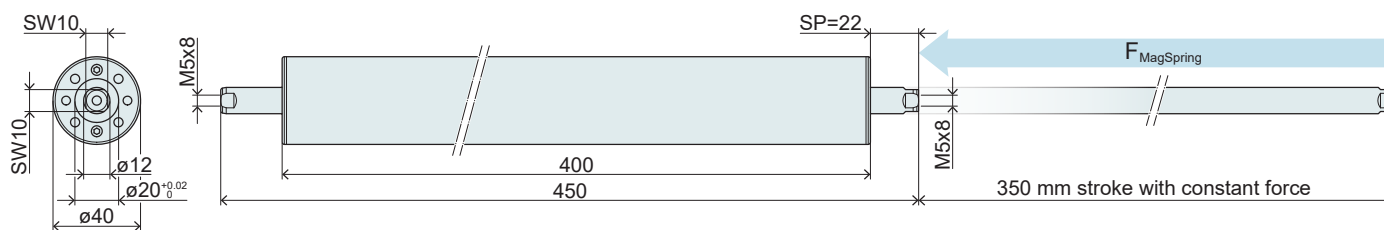


The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring             | Constant force [N] | Stator mass [g (lb)] |        | Slider mass [g (lb)] |        |
|-----------------------|--------------------|----------------------|--------|----------------------|--------|
| M01-40x325-SSC/275-40 | 40                 | 1800                 | (3.90) | 280                  | (0.61) |
| M01-40x325-SSC/275-50 | 50                 | 1800                 | (3.90) | 280                  | (0.61) |
| M01-40x325-SSC/275-60 | 60                 | 1800                 | (3.90) | 280                  | (0.61) |

**M01-40x400-SSC/350: FORCE 60N / STROKE 350 mm**

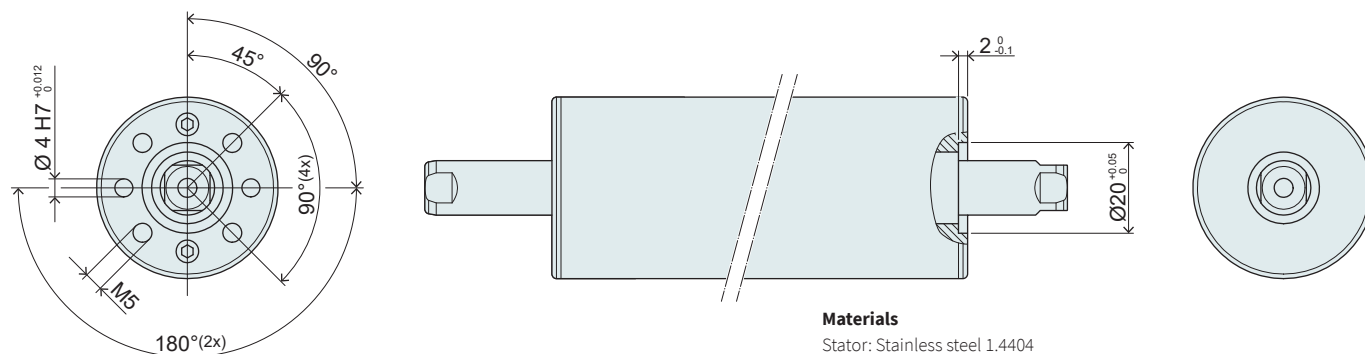


The MagSpring has a constant force, as soon as the slider has been pulled out or pushed by the distance SP. The distance SP is measured between the unmarked slider end and the end of the stator (threaded end).

Dimensions in mm

| MagSpring                    | Constant force [N] | Stator mass [g (lb)] | Slider mass [g (lb)] |
|------------------------------|--------------------|----------------------|----------------------|
| <b>M01-40x400-SSC/350-60</b> | 60                 | 2200 (4.85)          | 420 (0.93)           |

## ASSEMBLY DRAWING



## Materials

Stator: Stainless steel 1.4404

Stator plain bearing: Synthetical HPV PPS



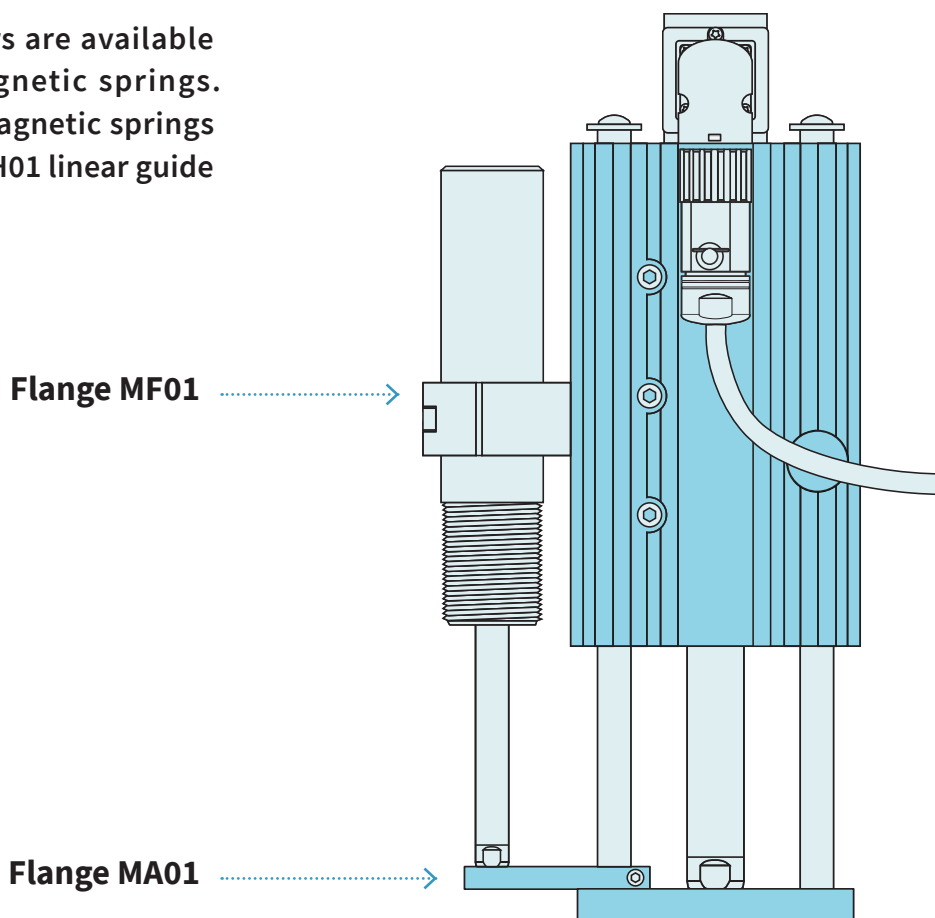


ORDERING INFORMATION

|  |  |   |  |           |           |
|--|--|---|--|-----------|-----------|
| M01-40x100-SSC/50  | MagSpring M01-40-SSC with 50 mm stroke |   |  |           |           |
|  | → Stator                               | MS01-40x100-SSC                               | MagSpring SSC Stator 40x100mm                      |           | 0250-1006 |
|  | → Slider                               | ML01-12x130/80-10                             | Slider for MagSpring M01-40x100/50, force 40N      |           | 0250-2300 |
|  |  | ML01-12x130/80-15                             | Slider for MagSpring M01-40x100/50, force 50N      |           | 0250-2308 |
| ML01-12x130/80-20  |  | Slider for MagSpring M01-40x100/50, force 60N |  | 0250-2301 |           |
| M01-40X75-SSC/125      MagSpring M01-40-SSC with 125 mm stroke   |  |   |  |           |           |
| → Stator   | MS01-40x175-SSC                        | MagSpring SSC Stator 40x175mm                 |  | 0250-1005 |           |
|  | → Slider                               | ML01-12x210/160-10                            | Slider for MagSpring M01-40x175-SSC/125, force 40N |           | 0250-2302 |
|  |  | ML01-12x210/160-15                            | Slider for MagSpring M01-40x175-SSC/125, force 50N |           | 0250-2309 |
|  |  | ML01-12x210/160-20                            | Slider for MagSpring M01-40x175-SSC/125, force 60N |           | 0250-2303 |
| M01-40X250-SSC/200      MagSprings M01-40-SSC with 200 mm stroke |  |   |  |           |           |
| → Stator   | MS01-40x250-SSC                        | MagSpring SSC Stator 40x250mm                 |  | 0250-1007 |           |
|  | → Slider                               | ML01-12x290/240-10                            | Slider for MagSpring M01-40x250-SSC/200, force 40N |           | 0250-2304 |
|  |  | ML01-12x290/240-15                            | Slider for MagSpring M01-40x250-SSC/200, force 50N |           | 0250-2310 |
|  |  | ML01-12x290/240-20                            | Slider for MagSpring M01-40x250-SSC/200, force 60N |           | 0250-2305 |
| M01-40X325-SSC/275      MagSprings M01-40-SSC with 275 mm stroke |  |   |  |           |           |
| → Stator   | MS01-40x325-SSC                        | MagSpring SSC Stator 40x325mm                 |  | 0250-1008 |           |
|  | → Slider                               | ML01-12x370/320-10                            | Slider for MagSpring M01-40x325-SSC/275, force 40N |           | 0250-2311 |
|  |  | ML01-12x370/320-15                            | Slider for MagSpring M01-40x325-SSC/275, force 50N |           | 0250-2312 |
|  |  | ML01-12x370/320-20                            | Slider for MagSpring M01-40x325-SSC/275, force 60N |           | 0250-2313 |
| M01-40X400-SSC/350      MagSpring M01-40-SSC with 350 mm stroke  |  |   |  |           |           |
| → Stator   | MS01-40x400-SSC                        | MagSpring SSC Stator 40x400mm                 |  | 0250-1009 |           |
|  | → Slider                               | ML01-12x450/400-20                            | Slider for MagSpring M01-40x400-SSC/350, force 60N |           | 0250-2332 |

# Accessories

Mounting flanges and adaptors are available for mounting MagSpring magnetic springs. Using these accessories, the magnetic springs can be mounted directly on an H01 linear guide or a B01 bridge guide.



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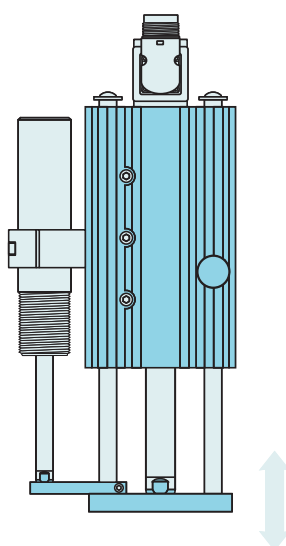
## MOUNTING

The flange for mounting the MagSpring stators is secured with T-nuts in the T-slot provided for this purpose on the linear or bridge guide.

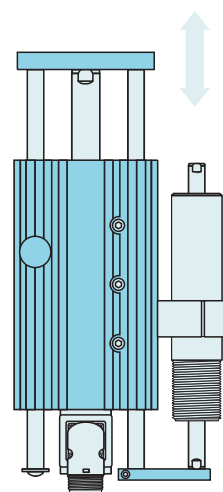
For weight balancing in vertical installations, the lower slider end of the MagSpring is attached to the guide shaft of the guide using the Adaptor.

Depending on the installation orientation of the guide, the Adaptor is attached to the guide shaft at the front mounting plate (motor on top) or the rear end of the guide shaft (motor on the bottom).

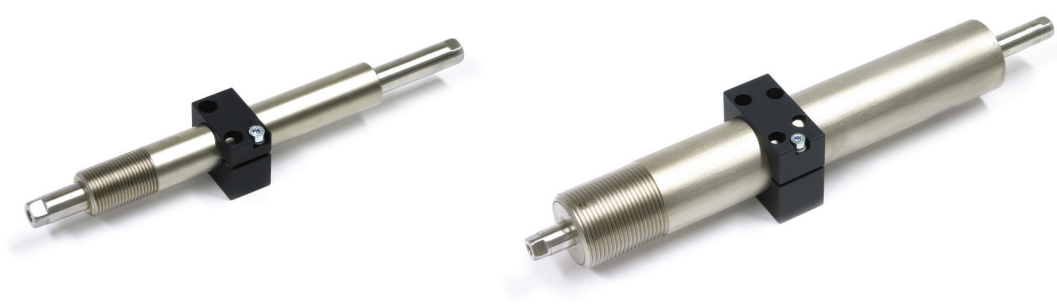
## MOTOR ON THE TOP



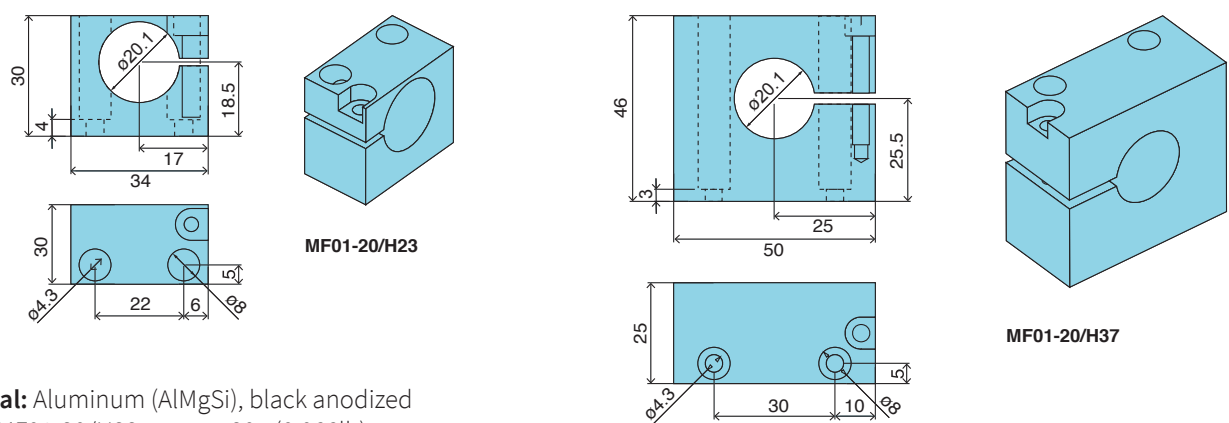
## MOTOR ON THE BOTTOM



FLANGE AND ADAPTOR FOR MAGSPRING



FLANGES FOR MAGSPRING M01-20

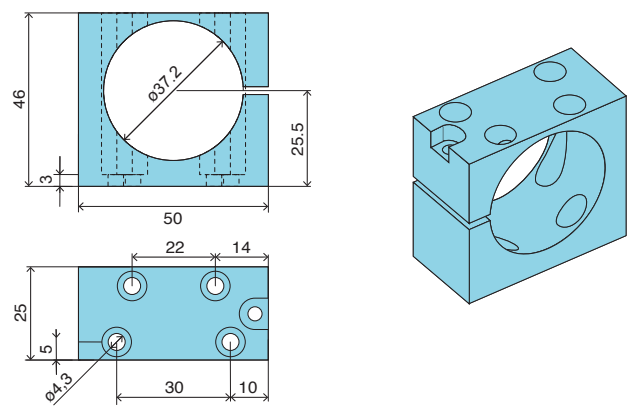


**Material:** Aluminum (AlMgSi), black anodized  
**Mass:** MF01-20/H23 approx. 30g (0.066lb)  
MF01-20/H37 approx. 125g (0.276lb)

Dimensions in mm

| Item        | Description                                  | Item No.                  |
|-------------|--|---------------------------|
| MF01-20/H23 | Flange MagSpring M01-20 - fits guides H01-23 | <a href="#">0250-2306</a> |
| MF01-20/H37 | Flange MagSpring M01-20 - fits guides H01-37 | <a href="#">0250-2315</a> |

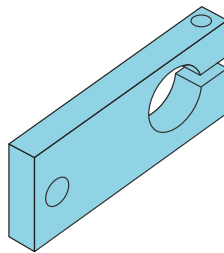
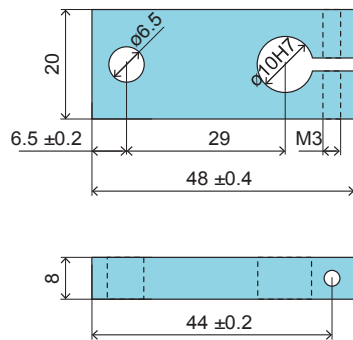
FLANSCH UND ADAPTER FÜR MAGSPRING



Dimensions in mm

| Item        | Description  | Item No.                  |
|-------------|--|---------------------------|
| MF01-37/H37 | Flange MagSpring M01-37 - fits guides H01-37 und B01-37<br>- fits guides H01-48 und B01-48 | <a href="#">0250-2307</a> |

ADAPTOR FOR MAGSPRING M01-20 AND GUIDES H01-23

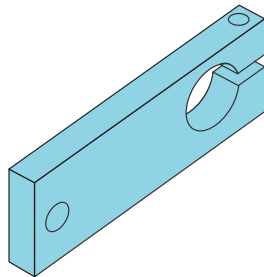
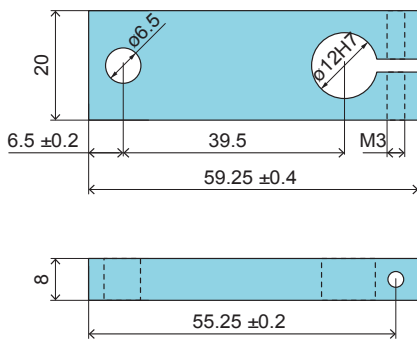


**Material:** Aluminum (AlMgSi), black anodized  
**Mass:** approx. 18g (0.066lb)

Dimensions in mm

| Item        | Description                              | Item No.                  |
|-------------|--|---------------------------|
| MA01-20/H23 | Adaptor MagSpring M01-20 / Guides H01-23 | <a href="#">0250-0116</a> |

ADAPTOR FOR MAGSPRING M01-37 AND GUIDES H01-37 / B01-37

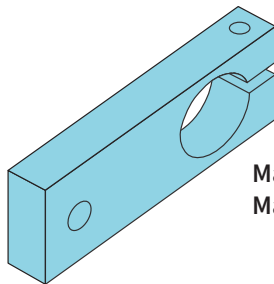
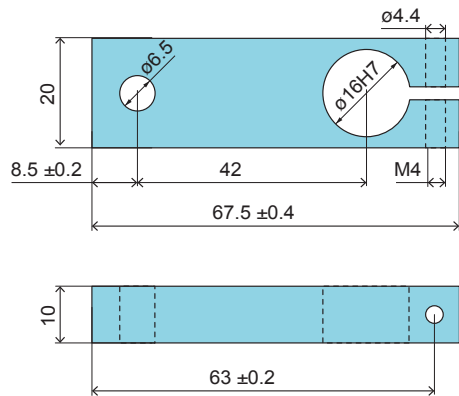


**Material:** Aluminum (AlMgSi), black anodize  
**Mass:** approx. 18g (0.066lb)

Dimensions in mm

| Item        | Description   | Item No.                  |
|-------------|---|---------------------------|
| MA01-37/H37 | Adaptor MagSpring M01-37 / Guides H01-37 und B01-37 | <a href="#">0250-0117</a> |

ADAPTOR FOR MAGSPRING M01-37 AND GUIDES H01-48 / B01-48



**Material:** Aluminum (AlMgSi), black anodize  
**Mass:** approx. 32g (0.034lb)

Dimensions in mm

| Item        | Description   | Item No.                  |
|-------------|---|---------------------------|
| MA01-37/H48 | Adaptor MagSpring M01-37 / Guides H01-48 und B01-48 | <a href="#">0250-0118</a> |

