

- Generate a constant force over their entire working range.
- No external energy supply.
- For balancing weight force in vertical drive applications.
- Constant Force: 0.5N – 150N
- Can customized force and working rang for requirements.



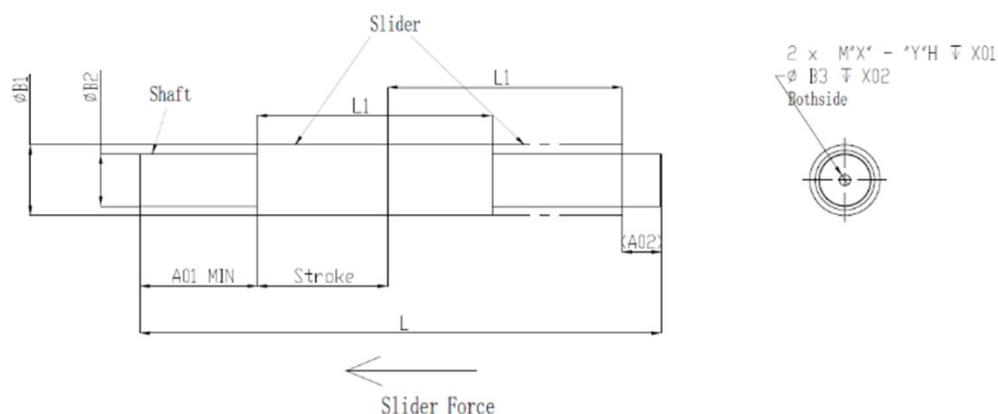
Product introduction:

The innovative design of AGICO magnetic springs is different from traditional mechanical springs, it generates a constant force throughout the entire working range, always to be used for balancing the weight forces. This series of products adopts an innovative magnetic circuit design to achieve gravity compensation and offset through a magnetic field, it's a completely passive device, without any external energy supply, and has a simple structure, including only two components, the shaft, and the slider(The standard product does not include sliding bearings between the shaft and the slider, and customization is required if needed.).

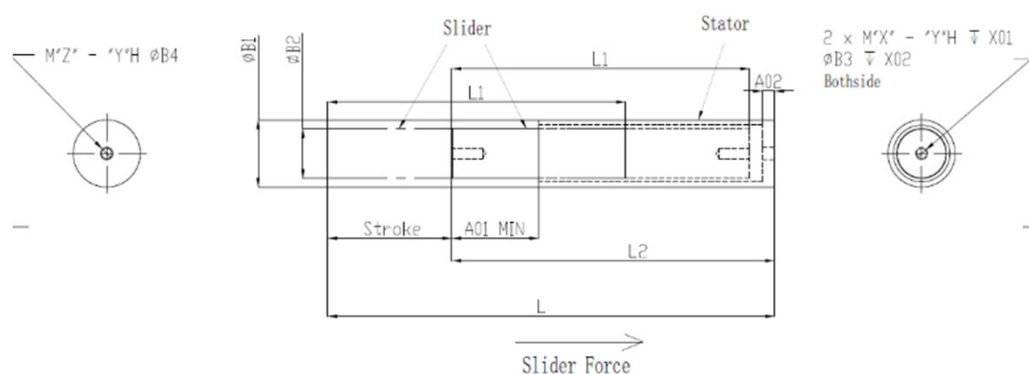
Specification:

ITEM	AMS04	AMS06	AMS08	AMS10	AMS12	AMS16	AMS20	AMS25	AMS32	AMS45
Constant Force(N)	0.5-1.8	1.8-5	5-10	10-16	16-29	29-44	44-69	69-96	96-150	150-280
Max Stroke(mm)	15	30	75	120	120	150	200	300	300	300
Accurace	$\pm 3\%/5\%$									
Shaft OD (mm)	4	6	8	10	12	16	20	25	32	45
Slider OD(mm)	8	11	13	15	18	23	27	33	40	40
MIN Gap (mm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Double-ended fixation



Single-ended fixation



Please feel free to contact our engineers for more detail and the drawing.