

Spring Plunger

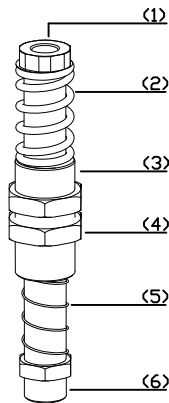
Spring Plunger MTA

Stroke:25mm to 90mm

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System design Spring Plunger MTA



Introduction and application

- ◆ Spring plunger with two damping springs for handling of workpieces with differing heights, such as curved metal sheets, etc.
- ◆ Handle pressure sensitive workpieces (such as glass) to ensure flexible contact.

Design

- ◆ Spring plunger consisting of a high strength rod made of galvanized steel, guide sleeve (3) and upper (2) and lower (5) damping springs
- ◆ The vacuum channel at the upper end of the Plunger is provided with an internal thread connection (1)
- ◆ Thread for suction cup is always a external thread (6)
- ◆ Two lock nuts for attachment (4)



Ordering Guide Spring Plunger MTA

Type	Connecting thread of suction cup	Buffer stroke [mm]	Sleeve thread	Ordering Data
MTA G1/4-AG-25-M20	G1/4-AG	25	M20	90.04.01.00032
MTA G1/4-AG-50-M20	G1/4-AG	50	M20	90.04.01.00033
MTA G1/2-AG-25-M30	G1/2-AG	25	M30	90.04.01.00034
MTA G1/2-AG-50-M30	G1/2-AG	50	M30	90.04.01.00035
MTA G1/2-AG-90-M30	G1/2-AG	90	M30	90.04.01.00036

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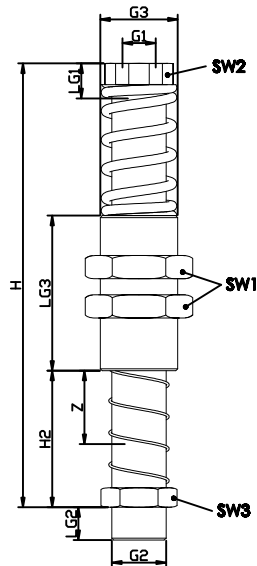
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Technical Data Spring Plunger MTA

Type	Spring load rate [N/mm]	Spring pretension [N]	Spring force [N]	Vertical load [N]	Horizontal load [N]	Weight [g]	Operating temperature [°C]
MTA G1/4-AG-25-M20	0.711	8.95	17.8	2400	800	185	0...80
MTA G1/4-AG-50-M20	0.262	14.10	20.6	2400	490	210	0...80
MTA G1/2-AG-25-M30	3.828	25.65	73.5	4900	1870	493	0...80
MTA G1/2-AG-50-M30	1.810	3.95	49.2	4900	1200	539	0...80
MTA G1/2-AG-90-M30	1.072	24.38	75.3	4900	730	645	0...80

Design Data Spring Plunger MTA

MTA G1/4 to G1/2



Type	Dimensions[mm]											
	G1	G2	G3	H	H2	LG1	LG2	LG3	SW1	SW2	SW3	Z (Stroke)
MTA G1/4-AG-25-M20	G1/8"-F	G1/4"-M	M20 × 1.5-M	114.5	37.0	12	8.5	40	24	17	17	25
MTA G1/4-AG-50-M20	G1/8"-F	G1/4"-M	M20 × 1.5-M	144.0	66.5	12	8.5	40	24	17	17	50
MTA G1/2-AG-25-M30	G3/8"-F	G1/2"-M	M30 × 1.5-M	146.5	42.5	12	10.5	55	36	24	24	25
MTA G1/2-AG-50-M30	G3/8"-F	G1/2"-M	M30 × 1.5-M	176.5	72.5	12	10.5	55	36	24	24	50
MTA G1/2-AG-90-M30	G3/8"-F	G1/2"-M	M30 × 1.5-M	229.5	125.5	12	10.5	55	36	24	24	90