



SPRING PLUNGER

Series ASP1

Cat No ASP1 - 01 - 01 - A

SPRING PLUNGER - Stroke 25, 50, 75 mm

Features

- With a lower damping spring optimized for sensitive workpieces, very good height compensation
- A large range of connection threads and lifting heights enables use for a wide variety of applications and suction cups



Applications

- Spring plunger for handling workpieces with differing heights, such as curved metal sheets, etc
- Handling of sensitive workpieces (such as sheets of glass) without additional control functions to prevent damage, since the plunger ensures soft placement

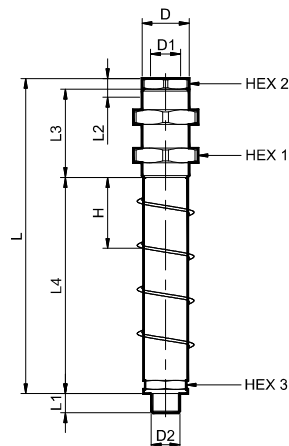
Technical Specifications

Ordering No		ASP125-61M60F	ASP150-61M60F	ASP175-61M60F	ASP125-60M60F	ASP150-60M60F
Spring rate	(N/mm)	0,711	0,452	0,262	0,143	0,097
Spring pretension	(N)	6,47	1,4	5,38	3,57	2,92
Spring force center *	(N)	15,36	12,7	15,2	5,36	5,34
Vertical load **	(N)	2400	2400	2400	3700	3700
Horizontal load #	(N)	747	466	340	283	173
Tightening torque (maximum)	(Nm)	40	40	40	40	40
Weight	(g)	145	175	190	90	110
Operating temperature	(°C)	0 to +80	0 to +80	0 to +80	0 to +80	0 to +80

* - Referred to 50% of operating stroke

** - Maximum static loading

- The specification of the horizontal load refers to the lower edge of the plunger with extended spring. It is a maximum static stress, and it impairs the spring compression and extension in horizontal position



Ordering No	D	D1	D2	L	L1	L2	L3	L4	H	HEX 1	HEX 2	HEX 3
ASP125-61M60F	M20x1.5	G1/8 - F	G1/4 - M	86	8,5	13	40	40,5	25	24	17	17
ASP150-61M60F	M20x1.5	G1/8 - F	G1/4 - M	115,5	8,5	13	40	70	50	24	17	17
ASP175-61M60F	M20x1.5	G1/8 - F	G1/4 - M	145	8,5	13	40	99,5	75	24	17	17
ASP125-60M60F	M16x1	G1/8 - F	G1/8 - M	86,5	6,5	8	30	42,5	25	22	12	14
ASP150-60M60F	M16x1	G1/8 - F	G1/8 - M	117,5	6,5	8	30	73,5	50	22	12	14

M - Male Thread, F - Female Thread

How to order

While ordering spring plunger, mention the ordering number given in the corresponding tables.

Subject to change