

38700

SENSING ELEMENTS

Material

Housing: stainless steel 1.4305
 Spring: stainless steel
 Pin: stainless steel 1.4305
 Nut: (ISO 4035), nickle plated.

Technical Notes

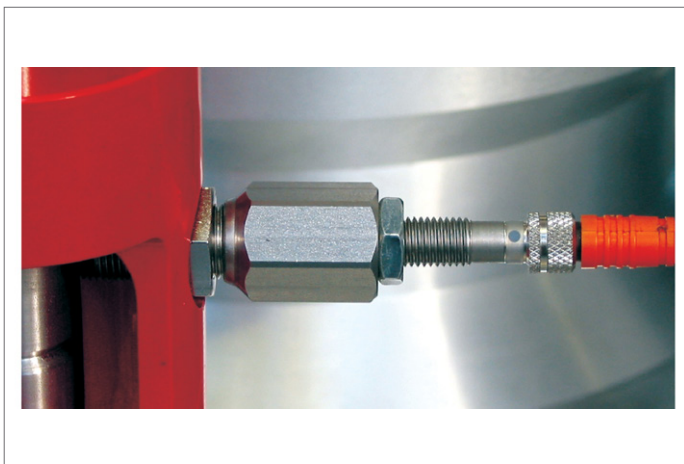
Spring plunger with integrated position

sensing via standard inductive sensors.
 Adjustment of the sensor screw enables variation of the switching range. Sensitivity of switch can be adjusted throughout the entire stroke. Suitable for inductive sensors with flush contact. Spring loads * = statistical average value.

Tips

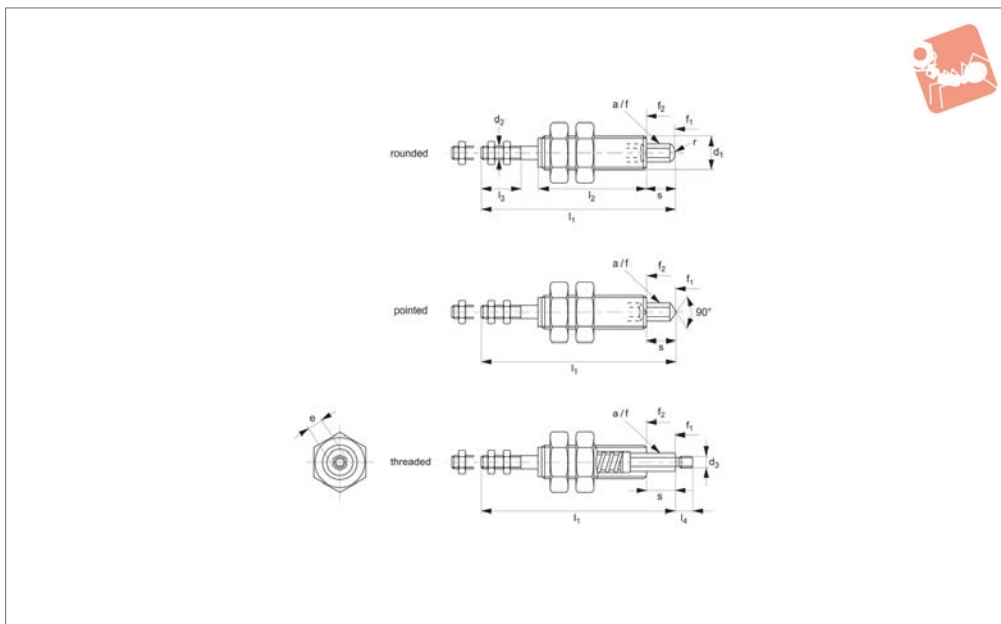
Suitable for multiple applications, e.g. position control.

Order No.	d ₁	d ₂	d ₃	d ₄	l ₁	l ₂	l ₃ ≈	s	A/F	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Weight g
38700.W0012	M12x1	6.2	M_8x1	19.0	44	20	15.5	5.6	17	24.0	47.3	57
38700.W0016	M16x1	8.5	M12x1	21.5	65	32	20.0	7.5	19	32.5	65.5	103





38720



Material

Bolt: steel, nitrided, black.
 Nut: steel, quality 8.8, blackened (ISO 4035).
 Actuating bolt: nitrided, black.
 Spring: stainless steel.

Technical Notes

Spring plunger with position sensing by

means of an actuating bolt (protected against turning). Threaded tip allows for fitting of special purpose adapters. A switching element can be fitted to the fastening thread of the actuating bolt, most commonly used switches are suitable. Spring loads * = statistical average values.

Tips

Suitable for multiple applications, e.g. as lift-off pin in tools with position control.

Order No.	Type	d ₁	d ₂	d ₃	e ≈	l ₁	l ₂	l ₃ min.	l ₄	R	s	A/F	Spring load F ₁ N ≈	Spring load F ₂ N ≈	Weight g
38720.W0008	Rounded Tip	M 8	M2,5	-	3.5	50	32	9	-	1.75	6	3	4.1	7.6	15
38720.W0010	Rounded Tip	M10	M 3	-	4.6	59	35	11	-	2.30	8	4	5.0	9.0	28
38720.W0012	Rounded Tip	M12	M 4	-	5.8	68	38	14	-	2.90	10	5	5.1	11.0	44
38720.W0016	Rounded Tip	M16	M 5	-	6.9	78	42	16	-	3.50	12	6	7.5	13.8	87
38720.W0058	Pointed Tip	M 8	M2,5	-	3.5	50	32	9	-	-	6	3	4.1	7.6	14
38720.W0060	Pointed Tip	M10	M 3	-	4.6	59	35	11	-	-	8	4	5.0	9.0	29
38720.W0062	Pointed Tip	M12	M 4	-	5.8	68	38	14	-	-	10	5	5.1	11.0	44
38720.W0066	Pointed Tip	M16	M 5	-	6.9	78	42	16	-	-	12	6	7.5	13.8	88
38720.W0108	Threaded Tip	M 8	M2,5	M2,5	3.5	50	32	9	4	-	6	3	4.1	7.6	15
38720.W0110	Threaded Tip	M10	M 3	M 3	4.6	59	35	11	5	-	8	4	5.0	9.0	29
38720.W0112	Threaded Tip	M12	M 4	M 4	5.8	68	38	14	6	-	10	5	5.1	11.0	44
38720.W0116	Threaded Tip	M16	M 5	M 5	6.9	78	42	16	7	-	12	6	7.5	13.8	89



Sensing Elements

with actuating bolt, protected against rotating



Sensing Elements



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