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Sensing Elements • with actuating bolt, protected against rotating
EH 25020.



Product Description

Spring plunger with position sensing by means of an actuating bolt which is protected against rotating. Suitable for multiple applications, e.g. as lift-off pin in tools with position control. Depending on the selected version, the tip is either round or pointed or fitted with a connection thread for all-purpose use. At the fastening thread of the actuating bolt, a switching element can be fitted which is secured against rotating and suitable for all commonly used switches.

Material

Body
- Free cutting steel, blackened

Nut
- Steel, black (ISO 4035)

Actuating bolt
- Steel, nitrided, black

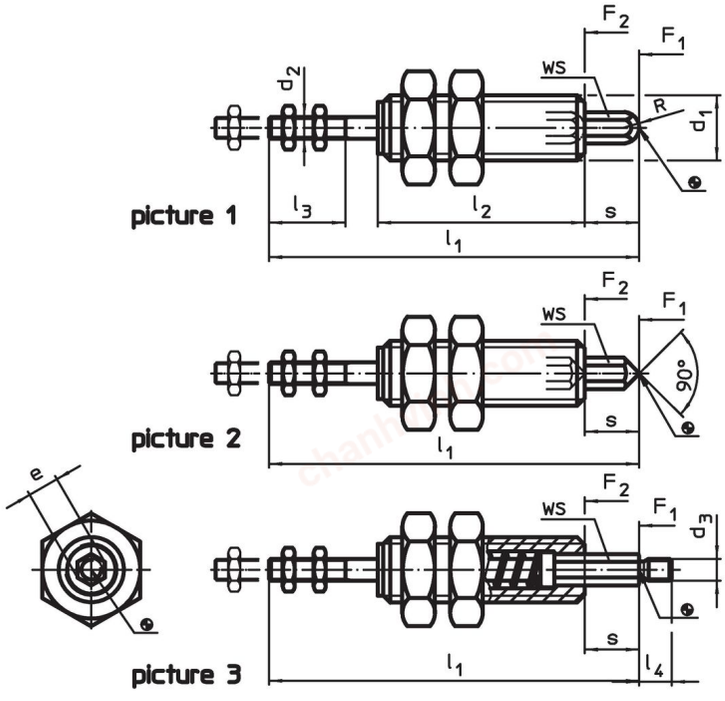
Spring
- Stainless steel

More information

Further products

- Retrieval Units, with sensor

Drawing



Order information

d_1	s	d_2	d_3	Dimensions e ~ [mm]	l_1	l_2	l_3 min.	l_4	R	WS [mm]	Spring load[1] F_1 ~ [N]	Spring load[1] F_2 ~ [N]	[g]	Art. No.
probe tip, round – picture 1														
M 8	6	M2,5	–	3.5	50	32	9	–	1.75	3	4.1	7.6	21	25020.0008
M10	8	M 3	–	4.6	59	35	11	–	2.30	4	5.0	9.0	35	25020.0010
M12	10	M 4	–	5.8	68	38	14	–	2.90	5	5.1	11.0	51	25020.0012
M16	12	M 5	–	6.9	78	42	16	–	3.50	6	7.5	13.8	101	25020.0016

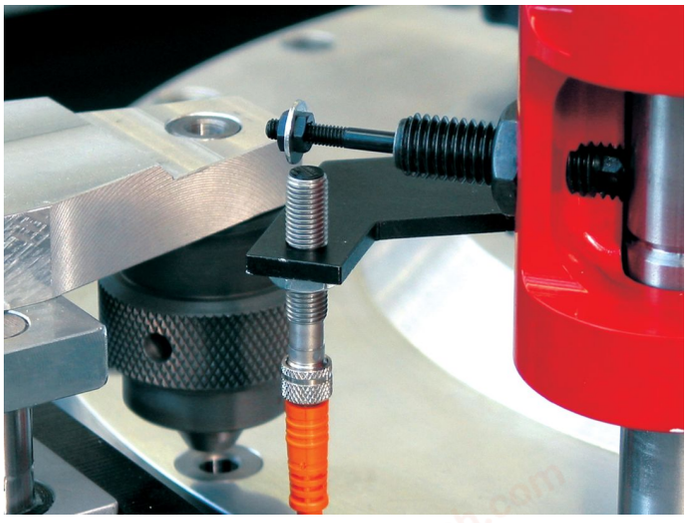
[1] statistical average value

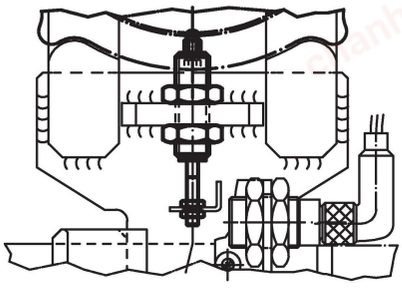
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Dimensions										WS	Spring load[1]			Art. No.
d_1	s	d_2	d_3	e ~	l_1	l_2	l_3 min.	l_4	R		F_1 ~	F_2 ~		
				[mm]						[mm]	[N]		[g]	
probe tip, pointed – picture 2														
M 8	6	M2,5	–	3.5	50	32	9	–	–	3	4.1	7.6	22	25020.0058
M10	8	M 3	–	4.6	59	35	11	–	–	4	5.0	9.0	29	25020.0060
M12	10	M 4	–	5.8	68	38	14	–	–	5	5.1	11.0	50	25020.0062
M16	12	M 5	–	6.9	78	42	16	–	–	6	7.5	13.8	87	25020.0066
tip with connection thread – picture 3														
M 8	6	M2,5	M2,5	3.5	50	32	9	4	–	3	4.1	7.6	22	25020.0108
M10	8	M 3	M 3	4.6	59	35	11	5	–	4	5.0	9.0	35	25020.0110
M12	10	M 4	M 4	5.8	68	38	14	6	–	5	5.1	11.0	53	25020.0112
M16	12	M 5	M 5	6.9	78	42	16	7	–	6	7.5	13.8	103	25020.0116

[1] statistical average value

Application example





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Compliance

RoHS-compliant
Contains lead - compliant according to exceptions 6(a)-I / 6(c).

Contains SVHC substances >0,1% w/w
Contains lead - SVHC list [REACH] as of 04.02.2026.

SCIP-code
90091bf8-b214-4c70-84a5-3113283329d5

Contains Proposition 65 substances



Lead can lead to cancer, developmental disorders, and reproductive damage in men and to reproductive damage in women from exposure. Nickel can cause cancer from exposure.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals
This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.