

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

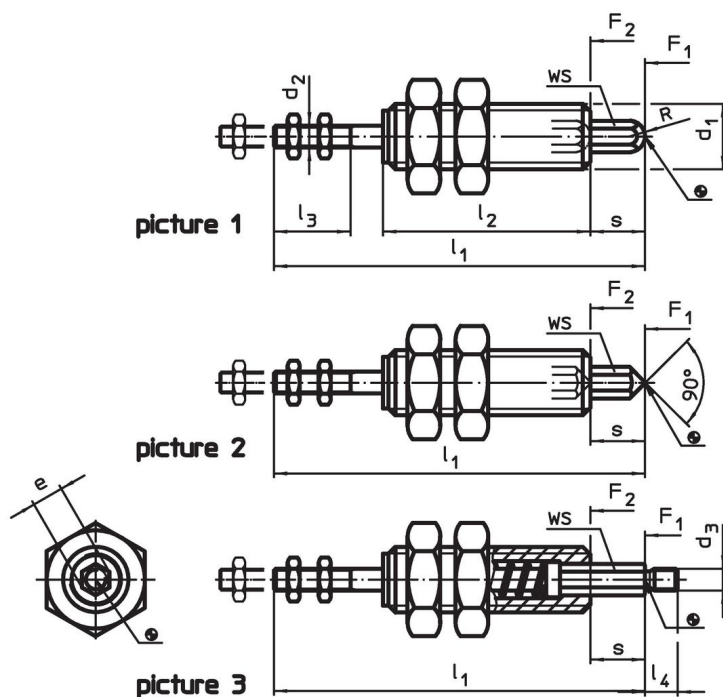
- Stainless steel

More information

Further products

- Retrieval Units, with sensor

Drawing



Order information

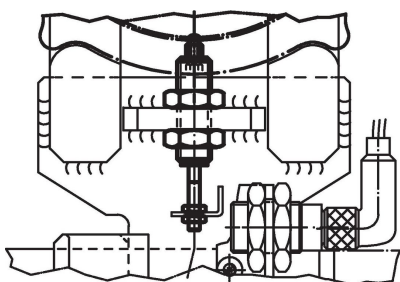
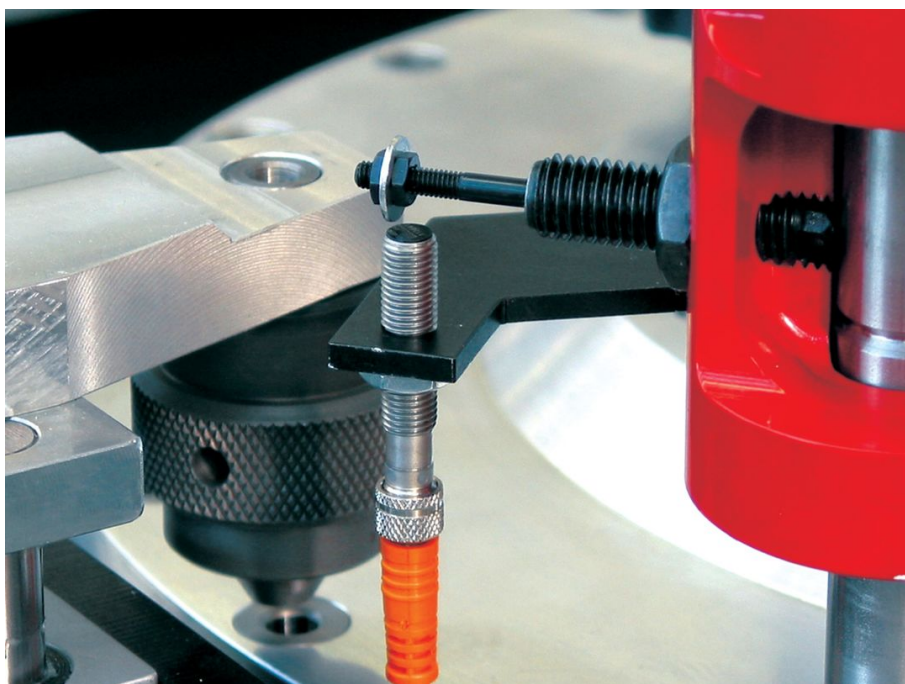
d ₁	s	d ₂	d ₃	Dimensions						R	WS [mm]	Spring load ¹⁾		[g]	Art. No.
				e ~ [mm]	l ₁	l ₂	l ₃ min.	l ₄	F ₁ ~ [N]			F ₂ ~			
probe tip, round – picture 1															
M 8	6	M2,5	–	3.5	50	32	9	–	1.75	3	4.1	7.6	22	25020.0008	
M10	8	M 3	–	4.6	59	35	11	–	2.30	4	5.0	9.0	35	25020.0010	
M12	10	M 4	–	5.8	68	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	102	25020.0016	

¹⁾ statistical average value

d ₁	s	d ₂	d ₃	Dimensions						WS [mm]	Spring load ¹⁾		[g]	Art. No.
				e ~ [mm]	l ₁	l ₂	l ₃ min.	l ₄	R		F ₁ ~ [N]	F ₂ ~ [N]		
probe tip, pointed – picture 2														
M 8	6	M2,5	–	3.5	50	32	9	–	–	3	4.1	7.6	20	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	44	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	29	25020.0108
M10	8	M 3	M 3	4.6	59	35	11	5	–	4	5.0	9.0	36	25020.0110
M12	10	M 4	M 4	5.8	68	38	14	6	–	5	5.1	11.0	54	25020.0112
M16	12	M 5	M 5	6.9	78	42	16	7	–	6	7.5	13.8	102	25020.0116

¹⁾ statistical average value

Application example



Compliance

RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 27.06.2024.

Contains Proposition 65 substances



Lead can cause cancer and reproductive harm 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.