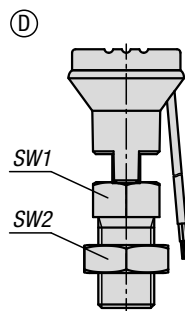
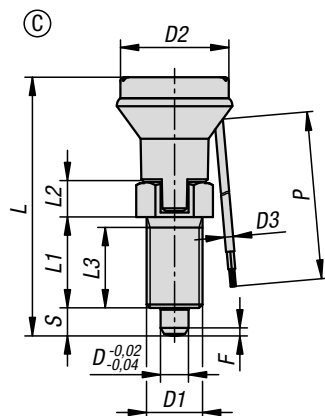
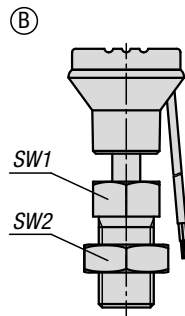
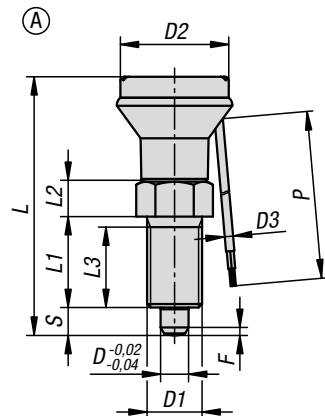


# Indexing plungers steel or stainless steel

with status sensor, hardwired



Indexing plungers are used where it is necessary to prevent changes of position due to lateral forces. Some examples of this are for length, height and position locking in machines, equipment, furniture and special vehicle construction.

With indexing plungers with status sensor, the actuation status can be detected and evaluated electronically. The connection, e.g. to a machine control system, is hard wired via the connection cable of the integrated sensor.

**Material:**

Steel version:

Grub screw and indexing pin steel.

Stainless steel version:

Indexing pin hardened:

Threaded sleeve 1.4305.

Indexing pin 1.4034.

Indexing pin not hardened:

Threaded sleeve 1.4305.

Indexing pin 1.4305.

Mushroom grip black grey thermoplastic.

**Version:**

Steel version:

Threaded sleeve, black oxidised.

Indexing pin hardened, ground and black oxidised.

Stainless steel version:

Threaded sleeve, bright.

Indexing pin hardened, ground and bright.

Indexing pin not hardened, ground and bright.

**Sample order:**

K1744.22061

**Note:**

The status sensor switches when it engages after S - 1 mm travel.

**Application:**

Indexing plungers with status sensor allow actuation-dependent process control. It is also possible to ensure that the indexing pin is in the desired actuation status.



## Indexing plungers steel or stainless steel

with status sensor, hardwired



### Technical data:

Inductive sensor:  
 Output circuit: PNP NO  
 Operating voltage: 6 - 30 V DC  
 Operating current: <100 mA  
 Contact gap: 1 mm  
 Switch frequency: <4000 Hz  
 Short-circuit proof: yes  
 Reverse polarity protection: yes  
 Rating: IP 67  
 Connection type: 2 m PVC cable  
 Temperature range: -10 °C - +70 °C  
 Approvals: CE, c UL us, EAC



### Safety:

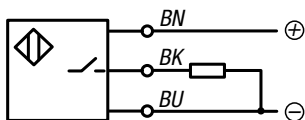
Indexing plungers with status sensor are not suitable for personnel safety functions.

### Drawing reference:

Form A: non-lockout type, without locknut  
 Form B: non-lockout type, with locknut  
 Form C: lockout type, without locknut  
 Form D: lockout type, with locknut

P = cable length

BN = brown  
 BK = black  
 BU = blue



### KIPP Indexing plungers, steel, indexing pin hardened

Order No. Form A	Order No. Form B	Order No. Form C	Order No. Form D	D	D1	D2	D3	L	L1	L2	L3	Travel S	SW1	SW2	Fx30°	P	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K1744.11051	K1744.21051	K1744.31051	K1744.41051	5	M10x1	25	2,4	51	17	7	15	5	13	-17/-17	1,3	2000	5	12
K1744.12061	K1744.22061	K1744.32061	K1744.42061	6	M12x1,5	25	2,4	56	20	8	17	6	14	-19/-19	1,8	2000	6	14
K1744.13081	K1744.23081	K1744.33081	K1744.43081	8	M16x1,5	33	2,4	74	26	10	23	8	19	-24/-24	2,3	2000	15	35
K1744.14101	K1744.24101	K1744.34101	K1744.44101	10	M20x1,5	33	2,4	80	28	12	25	10	22	-30/-30	2,8	2000	15	34
K1744.14121	K1744.24121	K1744.34121	K1744.44121	12	M20x1,5	33	2,4	84	28	14	25	12	22	-30/-30	2,8	2000	15	39

### KIPP Indexing plungers, stainless steel, indexing pin hardened

Order No. Form A	Order No. Form B	Order No. Form C	Order No. Form D	D	D1	D2	D3	L	L1	L2	L3	Travel S	SW1	SW2	Fx30°	P	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K1744.011051	K1744.021051	K1744.031051	K1744.041051	5	M10x1	25	2,4	51	17	7	15	5	13	-17/-17	1,3	2000	5	12
K1744.012061	K1744.022061	K1744.032061	K1744.042061	6	M12x1,5	25	2,4	56	20	8	17	6	14	-19/-19	1,8	2000	6	14
K1744.013081	K1744.023081	K1744.033081	K1744.043081	8	M16x1,5	33	2,4	74	26	10	23	8	19	-24/-24	2,3	2000	15	35
K1744.014101	K1744.024101	K1744.034101	K1744.044101	10	M20x1,5	33	2,4	80	28	12	25	10	22	-30/-30	2,8	2000	15	34
K1744.014121	K1744.024121	K1744.034121	K1744.044121	12	M20x1,5	33	2,4	84	28	14	25	12	22	-30/-30	2,8	2000	15	39

### KIPP Indexing plungers, stainless steel, indexing pin not hardened

Order No. Form A	Order No. Form B	Order No. Form C	Order No. Form D	D	D1	D2	D3	L	L1	L2	L3	Travel S	SW1	SW2	Fx30°	P	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K1744.111051	K1744.121051	K1744.131051	K1744.141051	5	M10x1	25	2,4	51	17	7	15	5	13	-17/-17	1,3	2000	5	12
K1744.112061	K1744.122061	K1744.132061	K1744.142061	6	M12x1,5	25	2,4	56	20	8	17	6	14	-19/-19	1,8	2000	6	14
K1744.113081	K1744.123081	K1744.133081	K1744.143081	8	M16x1,5	33	2,4	74	26	10	23	8	19	-24/-24	2,3	2000	15	35
K1744.114101	K1744.124101	K1744.134101	K1744.144101	10	M20x1,5	33	2,4	80	28	12	25	10	22	-30/-30	2,8	2000	15	34
K1744.114121	K1744.124121	K1744.134121	K1744.144121	12	M20x1,5	33	2,4	84	28	14	25	12	22	-30/-30	2,8	2000	15	39