

Indexing plunger with status sensor

Item description/product images



Description

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:
Indexing pin hardened, ground and bright. Threaded sleeve, bright.
Indexing pin not hardened, ground and bright.

Note:

The integrated sensor records the actuated status of the indexing plunger. The signal is processed in the mushroom grip and sent wirelessly to a mobile terminal or to Gateway K1494.

This enables the status of the plunger to be displayed for further processing.

For further processing of the signal, i.e. in a machine control, the Gateway K1494 is required.

Energy is supplied to the indexing plunger via an integrated button cell which can be replaced as necessary.

Technical data:

Wireless signal: Bluetooth LE 4.2
Battery type: lithium button cell CR2032
Battery life: 1 year

Application:

Indexing plungers are used where any change in position due to lateral forces should be prevented. A new locking position can be set only after the plunger has been manually disengaged. Form C and D are recommended for applications where the indexing pin should remain disengaged for an extended period and be prevented from springing back.

The indexing plunger with status sensor enables the user to control the process depending on the actuation. The sensor also ensures the correct actuation status of the plunger.

Accessory:

K1494 Gateway

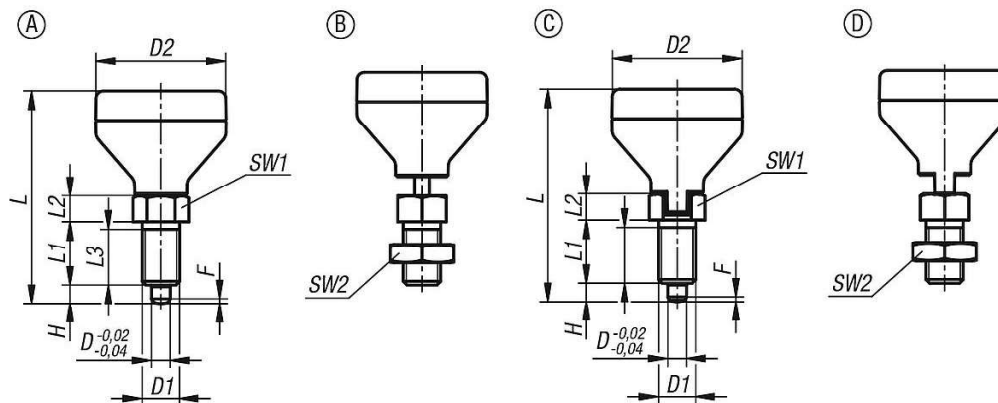
Drawing reference:

Indexing plunger with status sensor

Item description/product images

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

Drawings



Overview of items

Indexing plunger with status sensor

Order No.	Form	Main material	Surface finish body	D	D1	D2	H	L	L1	L2	L3	SW1	SW2	Fx30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K1495.1105	A	steel	hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12
K1495.1206	A	steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.1308	A	steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.1410	A	steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.1412	A	steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.01105	A	stainless steel	hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12
K1495.01206	A	stainless steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.01308	A	stainless steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.01410	A	stainless steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.01412	A	stainless steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.11105	A	stainless steel	not hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12
K1495.11206	A	stainless steel	not hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.11308	A	stainless steel	not hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.11410	A	stainless steel	not hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.11412	A	stainless steel	not hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.2105	B	steel	hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.2206	B	steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.2308	B	steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.2410	B	steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.2412	B	steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39
K1495.02105	B	stainless steel	hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.02206	B	stainless steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.02308	B	stainless steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.02410	B	stainless steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.02412	B	stainless steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39
K1495.12105	B	stainless steel	not hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.12206	B	stainless steel	not hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.12308	B	stainless steel	not hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.12410	B	stainless steel	not hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.12412	B	stainless steel	not hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39
K1495.3105	C	steel	hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12

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Order No.	Form	Main material	Surface finish body	D	D1	D2	H	L	L1	L2	L3	SW1	SW2	Fx30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K1495.3206	C	steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.3308	C	steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.3410	C	steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.3412	C	steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.03105	C	stainless steel	hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12
K1495.03206	C	stainless steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.03308	C	stainless steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.03410	C	stainless steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.03412	C	stainless steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.13105	C	stainless steel	not hardened	5	M10x1	35	5	57	17	7	15	13	-	1,3	5	12
K1495.13206	C	stainless steel	not hardened	6	M12x1,5	35	6	62	20	8	17	14	-	1,8	6	14
K1495.13308	C	stainless steel	not hardened	8	M16x1,5	35	8	76	26	10	23	19	-	2,3	15	35
K1495.13410	C	stainless steel	not hardened	10	M20x1,5	35	10	82	28	12	25	22	-	2,8	15	34
K1495.13412	C	stainless steel	not hardened	12	M20x1,5	35	12	86	28	14	25	22	-	2,8	15	39
K1495.4105	D	steel	hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.4206	D	steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.4308	D	steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.4410	D	steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.4412	D	steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39
K1495.04105	D	stainless steel	hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.04206	D	stainless steel	hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.04308	D	stainless steel	hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.04410	D	stainless steel	hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.04412	D	stainless steel	hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39
K1495.14105	D	stainless steel	not hardened	5	M10x1	35	5	57	17	7	15	13	17	1,3	5	12
K1495.14206	D	stainless steel	not hardened	6	M12x1,5	35	6	62	20	8	17	14	19	1,8	6	14
K1495.14308	D	stainless steel	not hardened	8	M16x1,5	35	8	76	26	10	23	19	24	2,3	15	35
K1495.14410	D	stainless steel	not hardened	10	M20x1,5	35	10	82	28	12	25	22	30	2,8	15	34
K1495.14412	D	stainless steel	not hardened	12	M20x1,5	35	12	86	28	14	25	22	30	2,8	15	39