

## Item description/product images



## Description

### Product description:

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.

For indexing plungers with status sensor, the actuation status can be detected and processed electronically.

The actuation status is transferred wirelessly by Bluetooth to a mobile terminal or the 85875 gateway.

The combination of indexing plunger with status sensor and gateway allows the signal to be processed in a machine control system, for example.

Power to the indexing plunger is supplied from an integrated button cell which can be replaced when necessary.

### Material:

Steel version:

Threaded sleeve and indexing pin free-cutting 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 knob and cover 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.

Mushroom knob dark grey.

Cover translucent grey.

### Technical data:

See Downloads, Technical Information.

### 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.

### Advantages:

Wireless transfer of actuation status.

Item description/product images

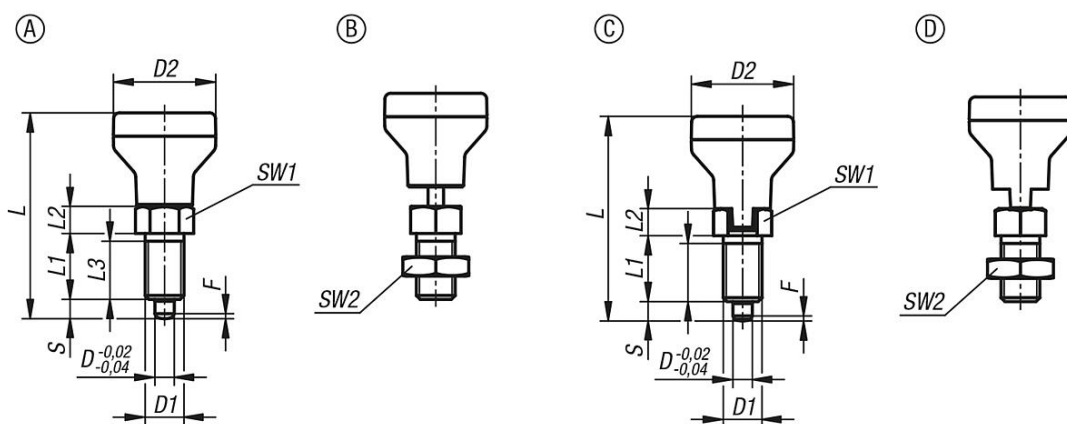
Laborious cable connections no longer necessary.  
 Intelligent battery management allows long running time  
 No interfering edges.

**Accessory:**  
 85875 Gateway

**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

Drawings



Overview of items

Order No.	Form	Main material	Surface finish body	D	D1	D2	L	L1	L2	L3	SW1	SW2	Fx30°	Travel S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
03090-01-1105	A	steel	hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-1206	A	steel	hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-1308	A	steel	hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-1410	A	steel	hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-1412	A	steel	hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-01105	A	stainless steel	hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-01206	A	stainless steel	hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-01308	A	stainless steel	hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-01410	A	stainless steel	hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-01412	A	stainless steel	hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-11105	A	stainless steel	not hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-11206	A	stainless steel	not hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-11308	A	stainless steel	not hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-11410	A	stainless steel	not hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-11412	A	stainless steel	not hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-2105	B	steel	hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-2206	B	steel	hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-2308	B	steel	hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35
03090-01-2410	B	steel	hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-2412	B	steel	hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39
03090-01-02105	B	stainless steel	hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-02206	B	stainless steel	hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-02308	B	stainless steel	hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35

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Order No.	Form	Main material	Surface finish body	D	D1	D2	L	L1	L2	L3	SW1	SW2	Fx30°	Travel S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
03090-01-02410	B	stainless steel	hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-02412	B	stainless steel	hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39
03090-01-12105	B	stainless steel	not hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-12206	B	stainless steel	not hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-12308	B	stainless steel	not hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35
03090-01-12410	B	stainless steel	not hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-12412	B	stainless steel	not hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39
03090-01-3105	C	steel	hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-3206	C	steel	hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-3308	C	steel	hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-3410	C	steel	hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-3412	C	steel	hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-03105	C	stainless steel	hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-03206	C	stainless steel	hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-03308	C	stainless steel	hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-03410	C	stainless steel	hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-03412	C	stainless steel	hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-13105	C	stainless steel	not hardened	5	M10x1	35	57	17	7	15	13	-	1,3	5	5	12
03090-01-13206	C	stainless steel	not hardened	6	M12x1,5	35	62	20	8	17	14	-	1,8	6	6	14
03090-01-13308	C	stainless steel	not hardened	8	M16x1,5	35	76	26	10	23	19	-	2,3	8	15	35
03090-01-13410	C	stainless steel	not hardened	10	M20x1,5	35	82	28	12	25	22	-	2,8	10	15	34
03090-01-13412	C	stainless steel	not hardened	12	M20x1,5	35	86	28	14	25	22	-	2,8	12	15	39
03090-01-4105	D	steel	hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-4206	D	steel	hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-4308	D	steel	hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35
03090-01-4410	D	steel	hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-4412	D	steel	hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39
03090-01-04105	D	stainless steel	hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-04206	D	stainless steel	hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-04308	D	stainless steel	hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35
03090-01-04410	D	stainless steel	hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-04412	D	stainless steel	hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39
03090-01-14105	D	stainless steel	not hardened	5	M10x1	35	57	17	7	15	13	17	1,3	5	5	12
03090-01-14206	D	stainless steel	not hardened	6	M12x1,5	35	62	20	8	17	14	19	1,8	6	6	14
03090-01-14308	D	stainless steel	not hardened	8	M16x1,5	35	76	26	10	23	19	24	2,3	8	15	35
03090-01-14410	D	stainless steel	not hardened	10	M20x1,5	35	82	28	12	25	22	30	2,8	10	15	34
03090-01-14412	D	stainless steel	not hardened	12	M20x1,5	35	86	28	14	25	22	30	2,8	12	15	39