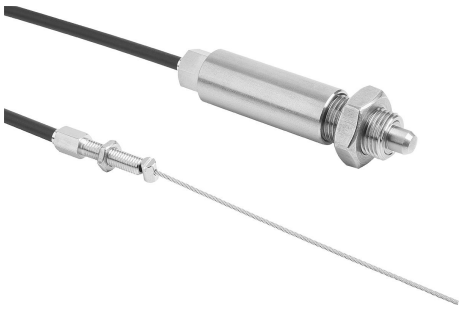
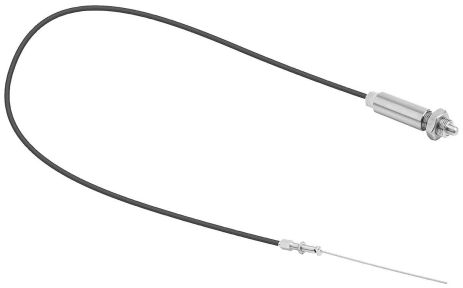
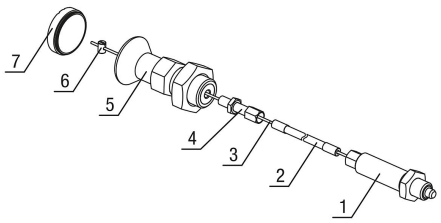
Item description/product images







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 machine, furniture and special vehicle construction.

Indexing plungers with remote actuation are used where inaccessible assembly spaces are making it difficult to operate, or where remote actuation is required for ergonomic or safety reasons.

The indexing plunger is connected to the operator side by a Bowden cable. The combination of indexing plunger and actuating element forms a complete system which can be used for many types of application.
As an alternative to the actuating element, the supplied screw nipple (Ø5 x 7 mm) can be used to integrate an individual actuating element into the system.

The Bowden cable is available in various lengths.
To ensure an exact fit in the application concerned, the Bowden cable can be shortened as required when installing.

Corrosion protection is provided by selecting a suitable material for coating application. The wire cable or cable casing can be replaced easily if required.

Material:
Indexing plunger stainless steel
Wire cable stainless steel.
Steel wire casing with inner and outer plastic sheathing.
End sleeves, adjusting screws and screw nipples made of brass.

Version:
Indexing pin hardened, ground and bright.
Bowden cable casing black.

Note for ordering:
Indexing plungers with remote actuation and actuating element must be ordered separately.

Note:
When installing the Bowden cables, the following points should be noted:
The length of the free end of the cable can change due to the layout angle, bending radius and load factors. So, after laying the Bowden cable, the length of the counter-bearing (casing) must be adjusted using the adjusting screw supplied. The adjusting screw is also used to set the pretension in the Bowden cable system.
When laying the cable, particular care must be taken to ensure that the bending radius is not below the minimum value, which in this case is R = 65 mm. A radius which is too narrow can lead to increased wear and higher friction.
Also avoid letting the bending radius briefly go below the minimum value when installing, as this can cause damage to the casing. Also, the casing is designed only to support pressure forces. If pulled too sharply, the inner coil will be stretched and permanently damaged.

On request:
Special versions.

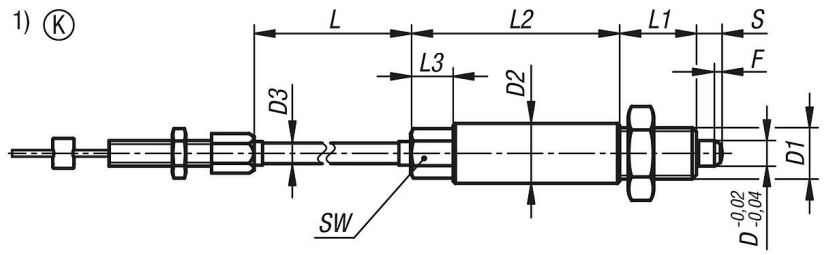
Item description/product images

Supplied with:
Indexing plunger with preassembled cable, casing, end sleeve, adjusting screw M6 x 34 mm and screw nipple Ø5 x 7 mm.

Accessory:
Hex nuts 07212.
Mounting brackets 03099.
Spacer rings 03089.
Positioning bushes 03099-50.
Actuating elements 03096-10-12420.
Wire cables 03096-15.
Tension sleeves 03096-20.
End sleeves 03096-25.
Setscrews 03096-30.
Screw nipples 03096-35.

Drawing reference:
1) Indexing plunger
2) Bowden cable casing
3) Bowden cable
4) Adjusting screw
5) Actuating element
6) Screw nipple
7) Cover

Drawings



Overview of items

Order No.	D	D1	D2	D3	L	L1	L2	L3	Travel S	SW	Fx30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
03096-10-02206X1000	6	M12x1,5	14	5	1000	18	49	10	6	10	1,8	6	14
03096-10-02206X3000	6	M12x1,5	14	5	3000	18	49	10	6	10	1,8	6	14
03096-10-02206X5000	6	M12x1,5	14	5	5000	18	49	10	6	10	1,8	6	14
03096-10-02308X1000	8	M16x1,5	19	5	1000	23	59	10	8	13	2,3	15	35
03096-10-02308X3000	8	M16x1,5	19	5	3000	23	59	10	8	13	2,3	15	35
03096-10-02308X5000	8	M16x1,5	19	5	5000	23	59	10	8	13	2,3	15	35
03096-10-02410X1000	10	M20x1,5	23	5	1000	24	65	10	10	16	2,8	15	34
03096-10-02410X3000	10	M20x1,5	23	5	3000	24	65	10	10	16	2,8	15	34
03096-10-02410X5000	10	M20x1,5	23	5	5000	24	65	10	10	16	2,8	15	34
03096-10-02412X1000	12	M20x1,5	23	5	1000	26	65	10	12	16	2,8	15	39
03096-10-02412X3000	12	M20x1,5	23	5	3000	26	65	10	12	16	2,8	15	39
03096-10-02412X5000	12	M20x1,5	23	5	5000	26	65	10	12	16	2,8	15	39

Overview of items