K2214

Indexing plungers, stainless steel, for remote control, Bowden cable systems

Item description/product images



Description

Product description:
Indexing plungers are used where any change in locking position due to lateral forces should be prevented.
Some examples of this are for length, height and position indexing 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. The actuator with detent function should be used. for applications where the indexing pin should remain disengaged for an extended period and be prevented from springing back.

Material:
Threaded sleeve 1.4305.
Indexing pin 1.4034.
Wire cable 1.4401.
Traction sleeve steel wire with plastic sleeving inside and outside.
End sleeves and setscrews brass.

Version:
Threaded sleeve bright.
Indexing pin hardened and ground, bright.
End sleeve and setscrew galvanised.
Bowden cable casing black.

Note for ordering:
We recommend using the online shop configurator to create a complete system with ease.

Note:
Various lengths of Bowden cable are available.
The Bowden cable can be shortened as required during installation to ensure an exact fit in the application concerned.
The wire cable or Bowden cable sheath can be easily replaced if required.

Note the following points when installing Bowden cables:
The length of the free end of the cable can change due to layout angle, bend radius and load factors. Therefore, the length of the opposing bracket (cable sheath) must be adjusted using the enclosed set screw after the Bowden cable has been laid. The set screw is also used to set the tension in the Bowden cable system.
During installation, take particular care to ensure that the bend radius is not less than the minimum value, which in this case is R = 65 mm. A radius which is too small can lead to increased wear and higher friction.
Briefly bending less than the min. bending radius during installation should also be avoided, as this can damage the cable sheath. The sheath is also only designed to absorb compressive forces. If it is pulled too hard, the internal spiral will stretch and be permanently damaged.

On request:

Indexing plungers, stainless steel, for remote control, Bowden cable systems

Item description/product images

Special versions.

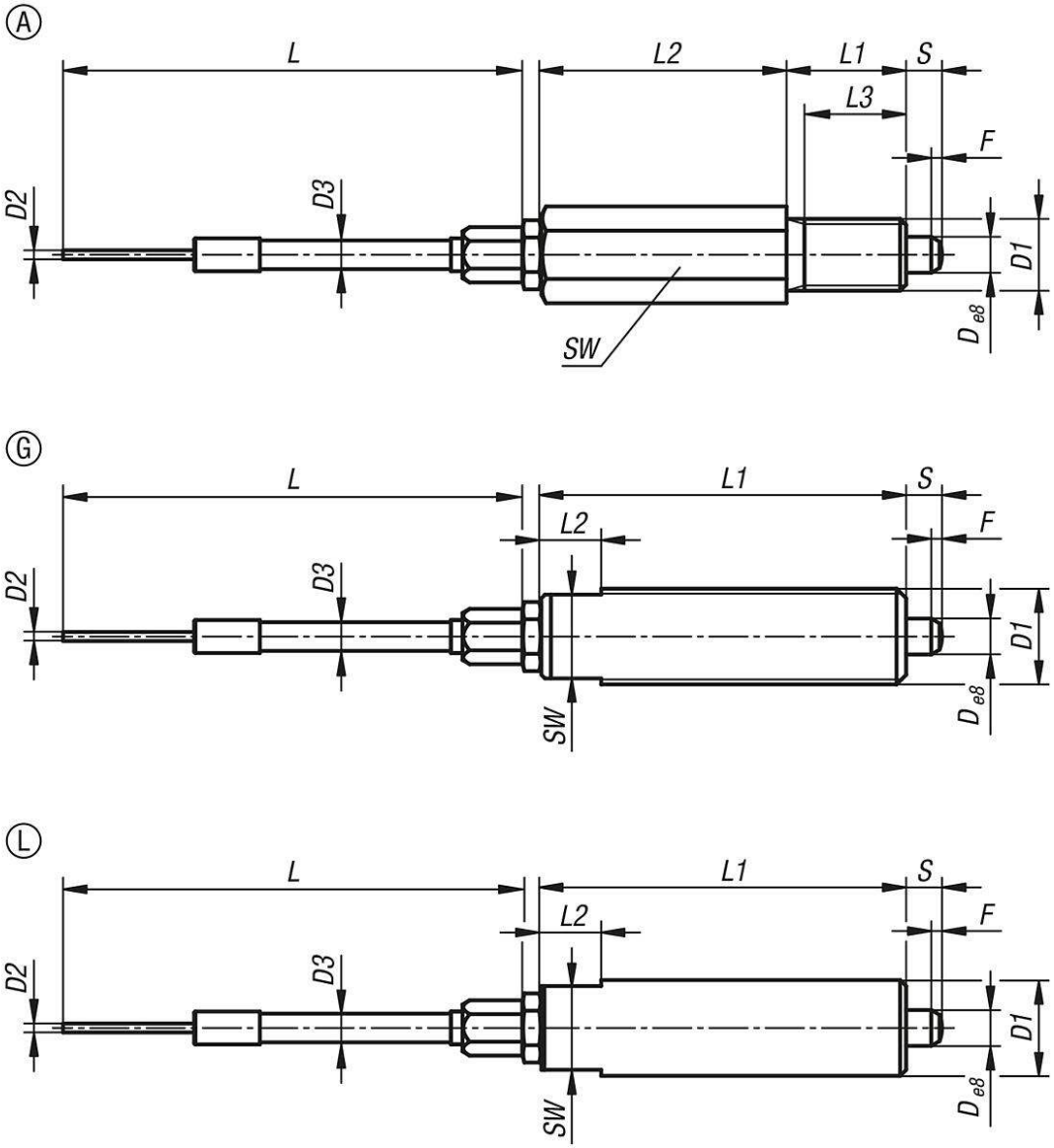
Supplied with:
Indexing plungers with pre-fitted wire cable.
Traction sleeve, end sleeve and setscrew included.

Accessory:
Actuating elements K2213.
Hex nuts K0700.
Mounting brackets K0638.
Spacer rings K0665.
Positioning bushes K1290.
Bowden cables K2116.
Wire cables K2023.
Traction sleeves K2024.
End sleeves K2025.
Setscrews K2026.
Bowden cable distributor K2042.

Drawing reference:
Form A: with hexagon
Form G: full thread
Form L: smooth

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Drawings



Overview of items

Indexing plungers, stainless steel, for remote control, Bowden cable systems

Order No.	Form	Form definition	D	D1	D2	D2	L	L1	L2	L3	Fx30°	Travel S	SW	Spring force final pressure F2 approx. N	Spring force initial pressure F1 approx. N
K2214.0108004X1000	A	with hexagon	4	M8	1	5	1000	15	34	13	1	4	10	17	6
K2214.0108004X3000	A	with hexagon	4	M8	1	5	3000	15	34	13	1	4	10	17	6
K2214.0108004X5000	A	with hexagon	4	M8	1	5	5000	15	34	13	1	4	10	17	6
K2214.0110005X1000	A	with hexagon	5	M10	1	5	1000	17	36	15	1,3	5	13	16	5
K2214.0110005X3000	A	with hexagon	5	M10	1	5	3000	17	36	15	1,3	5	13	16	5
K2214.0110005X5000	A	with hexagon	5	M10	1	5	5000	17	36	15	1,3	5	13	16	5
K2214.0112006X1000	A	with hexagon	6	M12	1,5	5	1000	20	41	17	1,8	6	14	12	6
K2214.0112006X3000	A	with hexagon	6	M12	1,5	5	3000	20	41	17	1,8	6	14	12	6
K2214.0112006X5000	A	with hexagon	6	M12	1,5	5	5000	20	41	17	1,8	6	14	12	6
K2214.0116008X1000	A	with hexagon	8	M16	1,5	5	1000	26	42	23	2,3	8	19	33	15
K2214.0116008X3000	A	with hexagon	8	M16	1,5	5	3000	26	42	23	2,3	8	19	33	15
K2214.0116008X5000	A	with hexagon	8	M16	1,5	5	5000	26	42	23	2,3	8	19	33	15
K2214.0120010X1000	A	with hexagon	10	M20	1,5	5	1000	28	48	25	2,8	10	24	30	14

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Order No.	Form	Form definition	D	D1	D2	D2	L	L1	L2	L3	Fx30°	Travel S	SW	Spring force final pressure F2 approx. N	Spring force initial pressure F1 approx. N
K2214.0120010X3000	A	with hexagon	10	M20	1,5	5	3000	28	48	25	2,8	10	24	30	14
K2214.0120010X5000	A	with hexagon	10	M20	1,5	5	5000	28	48	25	2,8	10	24	30	14
K2214.0120012X1000	A	with hexagon	12	M20	1,5	5	1000	28	50	25	2,8	12	24	39	15
K2214.0120012X3000	A	with hexagon	12	M20	1,5	5	3000	28	50	25	2,8	12	24	39	15
K2214.0120012X5000	A	with hexagon	12	M20	1,5	5	5000	28	50	25	2,8	12	24	39	15
K2214.0124016X1000	A	with hexagon	16	M24	1,5	5	1000	32	55	28	3,2	16	30	40	20
K2214.0124016X3000	A	with hexagon	16	M24	1,5	5	3000	32	55	28	3,2	16	30	40	20
K2214.0124016X5000	A	with hexagon	16	M24	1,5	5	5000	32	55	28	3,2	16	30	40	20
K2214.0108104X1000	A	with hexagon	4	M8x1	1	5	1000	15	34	13	1	4	10	17	6
K2214.0108104X3000	A	with hexagon	4	M8x1	1	5	3000	15	34	13	1	4	10	17	6
K2214.0108104X5000	A	with hexagon	4	M8x1	1	5	5000	15	34	13	1	4	10	17	6
K2214.0110105X1000	A	with hexagon	5	M10x1	1	5	1000	17	36	15	1,3	5	13	16	5
K2214.0110105X3000	A	with hexagon	5	M10x1	1	5	3000	17	36	15	1,3	5	13	16	5
K2214.0110105X5000	A	with hexagon	5	M10x1	1	5	5000	17	36	15	1,3	5	13	16	5
K2214.0112106X1000	A	with hexagon	6	M12x1,5	1,5	5	1000	20	41	17	1,8	6	14	12	6
K2214.0112106X3000	A	with hexagon	6	M12x1,5	1,5	5	3000	20	41	17	1,8	6	14	12	6
K2214.0112106X5000	A	with hexagon	6	M12x1,5	1,5	5	5000	20	41	17	1,8	6	14	12	6
K2214.0116108X1000	A	with hexagon	8	M16x1,5	1,5	5	1000	26	42	23	2,3	8	19	33	15
K2214.0116108X3000	A	with hexagon	8	M16x1,5	1,5	5	3000	26	42	23	2,3	8	19	33	15
K2214.0116108X5000	A	with hexagon	8	M16x1,5	1,5	5	5000	26	42	23	2,3	8	19	33	15
K2214.0120110X1000	A	with hexagon	10	M20x1,5	1,5	5	1000	28	48	25	2,8	10	24	30	14
K2214.0120110X3000	A	with hexagon	10	M20x1,5	1,5	5	3000	28	48	25	2,8	10	24	30	14
K2214.0120110X5000	A	with hexagon	10	M20x1,5	1,5	5	5000	28	48	25	2,8	10	24	30	14
K2214.0120112X1000	A	with hexagon	12	M20x1,5	1,5	5	1000	28	50	25	2,8	12	24	39	15
K2214.0120112X3000	A	with hexagon	12	M20x1,5	1,5	5	3000	28	50	25	2,8	12	24	39	15
K2214.0120112X5000	A	with hexagon	12	M20x1,5	1,5	5	5000	28	50	25	2,8	12	24	39	15
K2214.0124116X1000	A	with hexagon	16	M24x2	1,5	5	1000	32	55	28	3,2	16	30	40	20
K2214.0212005X1000	G	Full thread	5	M12	1	5	1000	53	10	-	1,3	5	10	16	5
K2214.0212005X3000	G	Full thread	5	M12	1	5	3000	53	10	-	1,3	5	10	16	5
K2214.0212005X5000	G	Full thread	5	M12	1	5	5000	53	10	-	1,3	5	10	16	5
K2214.0216006X1000	G	Full thread	6	M16	1,5	5	1000	61	10	-	1,8	6	14	12	6
K2214.0216006X3000	G	Full thread	6	M16	1,5	5	3000	61	10	-	1,8	6	14	12	6
K2214.0216006X5000	G	Full thread	6	M16	1,5	5	5000	61	10	-	1,8	6	14	12	6
K2214.0220008X1000	G	Full thread	8	M20	1,5	5	1000	68	10	-	2,3	8	17	33	15
K2214.0220008X3000	G	Full thread	8	M20	1,5	5	3000	68	10	-	2,3	8	17	33	15
K2214.0220008X5000	G	Full thread	8	M20	1,5	5	5000	68	10	-	2,3	8	17	33	15
K2214.0224010X1000	G	Full thread	10	M24	1,5	5	1000	76	10	-	2,8	10	22	30	14
K2214.0224010X3000	G	Full thread	10	M24	1,5	5	3000	76	10	-	2,8	10	22	30	14
K2214.0224010X5000	G	Full thread	10	M24	1,5	5	5000	76	10	-	2,8	10	22	30	14
K2214.0224012X1000	G	Full thread	12	M24	1,5	5	1000	78	10	-	2,8	12	22	39	15
K2214.0224012X3000	G	Full thread	12	M24	1,5	5	3000	78	10	-	2,8	12	22	39	15
K2214.0224012X5000	G	Full thread	12	M24	1,5	5	5000	78	10	-	2,8	12	22	39	15
K2214.0230016X1000	G	Full thread	16	M30	1,5	5	1000	87	10	-	3,2	16	27	40	20
K2214.0230016X3000	G	Full thread	16	M30	1,5	5	3000	87	10	-	3,2	16	27	40	20
K2214.0230016X5000	G	Full thread	16	M30	1,5	5	5000	87	10	-	3,2	16	27	40	20
K2214.0210104X1000	G	Full thread	4	M10x1	1	5	1000	49	10	-	1	4	9	17	6
K2214.0210104X3000	G	Full thread	4	M10x1	1	5	3000	49	10	-	1	4	9	17	6
K2214.0210104X5000	G	Full thread	4	M10x1	1	5	5000	49	10	-	1	4	9	17	6
K2214.0212105X1000	G	Full thread	5	M12x1,5	1	5	1000	53	10	-	1,3	5	10	16	5
K2214.0212105X3000	G	Full thread	5	M12x1,5	1	5	3000	53	10	-	1,3	5	10	16	5
K2214.0212105X5000	G	Full thread	5	M12x1,5	1	5	5000	53	10	-	1,3	5	10	16	5
K2214.0216106X1000	G	Full thread	6	M16x1,5	1,5	5	1000	61	10	-	1,8	6	14	12	6
K2214.0216106X3000	G	Full thread	6	M16x1,5	1,5	5	3000	61	10	-	1,8	6	14	12	6
K2214.0216106X5000	G	Full thread	6	M16x1,5	1,5	5	5000	61	10	-	1,8	6	14	12	6
K2214.0220108X1000	G	Full thread	8	M20x1,5	1,5	5	1000	68	10	-	2,3	8	17	33	15
K2214.0220108X3000	G	Full thread	8	M20x1,5	1,5	5	3000	68	10	-	2,3	8	17	33	15
K2214.0220108X5000	G	Full thread	8	M20x1,5	1,5	5	5000	68	10	-	2,3	8	17	33	15
K2214.0224110X1000	G	Full thread	10	M24x2	1,5	5	1000	76	10	-	2,8	10	22	30	14
K2214.0224110X3000	G	Full thread	10	M24x2	1,5	5	3000	76	10	-	2,8	10	22	30	14
K2214.0224110X5000	G	Full thread	10	M24x2	1,5	5	5000	76	10	-	2,8	10	22	30	14
K2214.0224112X1000	G	Full thread	12	M24x2	1,5	5	1000	78	10	-	2,8	12	22	39	15

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K2214.0224112X3000	G	Full thread	12	M24x2	1,5	5	3000	78	10	-	2,8	12	22	39	15
K2214.0224112X5000	G	Full thread	12	M24x2	1,5	5	5000	78	10	-	2,8	12	22	39	15
K2214.0230116X1000	G	Full thread	16	M30x2	1,5	5	1000	87	10	-	3,2	16	27	40	20
K2214.0230116X3000	G	Full thread	16	M30x2	1,5	5	3000	87	10	-	3,2	16	27	40	20
K2214.0230116X5000	G	Full thread	16	M30x2	1,5	5	5000	87	10	-	3,2	16	27	40	20
K2214.031004X1000	L	smooth	4	10	1	5	1000	49	10	-	1	4	9	17	6
K2214.031004X3000	L	smooth	4	10	1	5	3000	49	10	-	1	4	9	17	6
K2214.031004X5000	L	smooth	4	10	1	5	5000	49	10	-	1	4	9	17	6
K2214.031205X1000	L	smooth	5	12	1	5	1000	53	10	-	1,3	5	10	16	5
K2214.031205X3000	L	smooth	5	12	1	5	3000	53	10	-	1,3	5	10	16	5
K2214.031205X5000	L	smooth	5	12	1	5	5000	53	10	-	1,3	5	10	16	5
K2214.031606X1000	L	smooth	6	16	1,5	5	1000	61	10	-	1,8	6	14	12	6
K2214.031606X3000	L	smooth	6	16	1,5	5	3000	61	10	-	1,8	6	14	12	6
K2214.031606X5000	L	smooth	6	16	1,5	5	5000	61	10	-	1,8	6	14	12	6
K2214.032008X1000	L	smooth	8	20	1,5	5	1000	68	10	-	2,3	8	17	33	15
K2214.032008X3000	L	smooth	8	20	1,5	5	3000	68	10	-	2,3	8	17	33	15
K2214.032008X5000	L	smooth	8	20	1,5	5	5000	68	10	-	2,3	8	17	33	15
K2214.032410X1000	L	smooth	10	24	1,5	5	1000	76	10	-	2,8	10	22	30	14
K2214.032410X3000	L	smooth	10	24	1,5	5	3000	76	10	-	2,8	10	22	30	14
K2214.032410X5000	L	smooth	10	24	1,5	5	5000	76	10	-	2,8	10	22	30	14
K2214.032412X1000	L	smooth	12	24	1,5	5	1000	78	10	-	2,8	12	22	39	15
K2214.032412X3000	L	smooth	12	24	1,5	5	3000	78	10	-	2,8	12	22	39	15
K2214.032412X5000	L	smooth	12	24	1,5	5	5000	78	10	-	2,8	12	22	39	15
K2214.033016X1000	L	smooth	16	30	1,5	5	1000	87	10	-	3,2	16	27	40	20
K2214.033016X3000	L	smooth	16	30	1,5	5	3000	87	10	-	3,2	16	27	40	20
K2214.033016X5000	L	smooth	16	30	1,5	5	5000	87	10	-	3,2	16	27	40	20