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MANUFACTURING EXPERTISE TRUST IN KIPP

With nearly 100 years of manufacturing and engineering experience, KIPP sets the standard for quality and innovation in clamping tools, standard components, and operating parts. Our roots are in the Black Forest region of Germany, where we continue to design and manufacture KIPP components.

It was there that Heinrich Kipp Sr. invented the original adjustable handle over 60 years ago and where our dedication to quality and innovation continues to this day. As a family-owned and managed company, we are committed to continuing the KIPP tradition of excellence by delivering an ever-increasing range of dependable, high quality products.

A worldwide network of service partners ensures that no matter where our customers are located, KIPP components are close at hand.

Our North American office and distribution facility in Stevensville, Michigan, carries over 16,000 items for customers in the USA, Canada, and Mexico. Inch or metric, standard or custom, you can trust in KIPP to deliver durable, consistently available components.

N. Kipp *Heinrich Kipp*

Nicolas Kipp

Heinrich Kipp

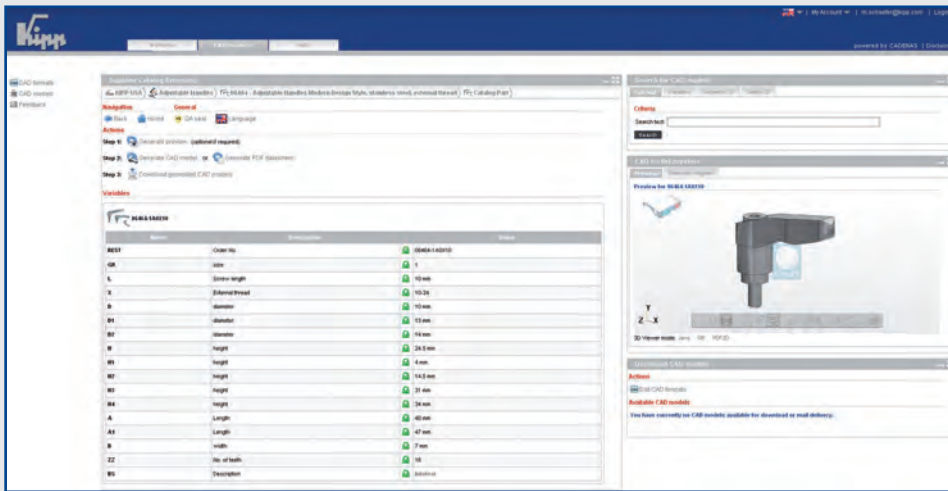


KIPP Inc, Michigan



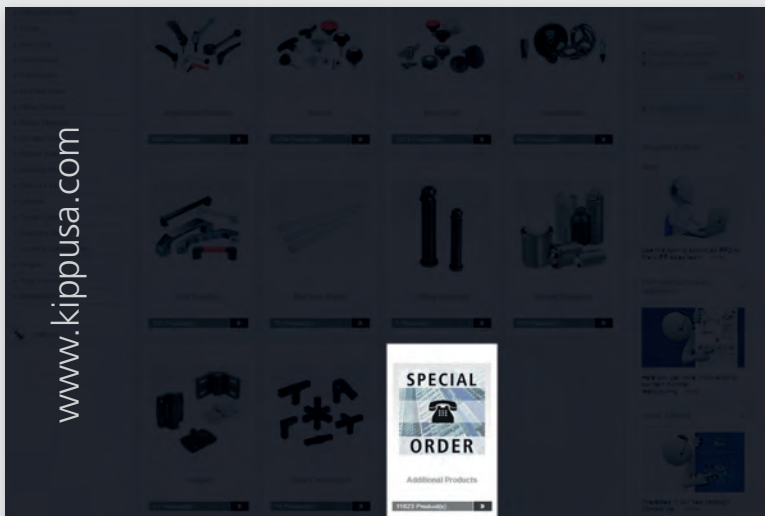
KIPP world headquarters and factory, Germany

CAD DOWNLOAD



2D and 3D CAD data can now be downloaded directly from the selected product. Once you have registered, this service will be available to you each time you log in. Of course, it will still be possible to order the KIPP CAD library on a data medium.

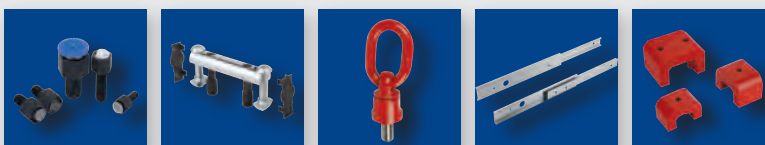
ADDITIONAL PRODUCTS



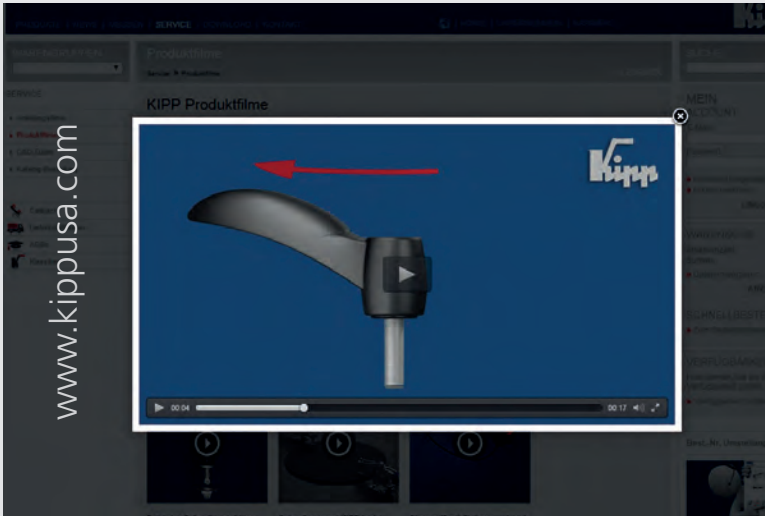
This catalog represents all of the components that are stocked at our United States warehouse in Stevensville, Michigan.

For a broader selection of specialized and hard-to-find products, visit our website at kippusa.com.

Browse to the "additional products/special order" section to find all of the additional items that are available by special order from our warehouse in Germany.



PRODUCT FILMS



Our product films provide application explanations for classic KIPP products. New products are also clearly explained with a click:

- Adjustable handles
- Stop latches
- Toggle clamps
- Star grips
- Spring plungers
- Indexing plungers

You can find the animations in the Catalog/Service link of our websites.

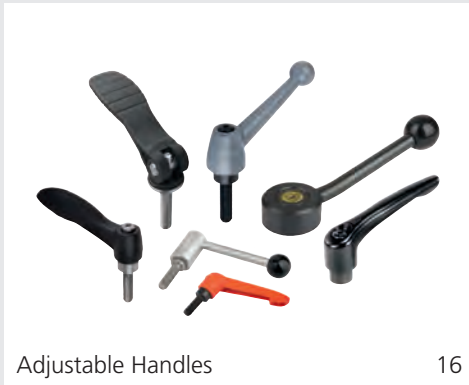


ORDERING | DISTRIBUTORS



If you are new to KIPP, we encourage you to contact us directly for product information and recommendations on how to purchase our components. You can also visit our website for a list of our distributors in the USA, Canada, and Mexico.

PRODUCT GROUPS



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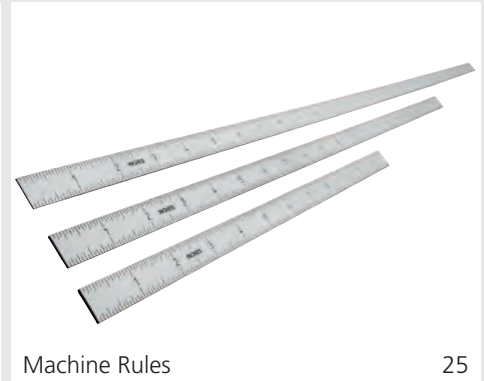
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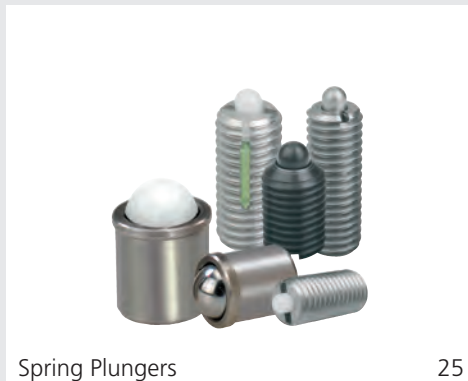
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Material and surfaces

Besides the standard version, other materials or grades can be supplied on request.

At extra cost, different surface finishes such as matte or high-gloss chromed for steel parts, can be provided.

In addition, for plastic coatings or injection-molded plastic parts, other color variants can be supplied on request.

RoHS

The HEINRICH KIPP WERK only supplies products that conform to RoHS directive 2011/65/EU.

REACH

For the purposes of the 1907/2006 (EC) regulations we are a downstream user. To the best of our knowledge no materials or additives are used in our products that are listed in Amendment XVII or the SVHC list.

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Thread versions

The threads are produced in accordance with ISO 13, "medium" tolerance class, i.e. H6 for female threads and g6 for male threads. External threads up to 60 mm are generally supplied as full thread. Screws from 70 mm long are have 60 mm long threads.

Due to surface finish refinement, threads of aluminum grips may not be true to gauge. To toughen the material most of these threads are form pressed. The pull out resistance from aluminum with M5 x 10 is here 2000N.

A note on units and notation

All dimensions in our catalog are expressed in millimeters, except for inch based threads and holes.

We use European formatting for decimals, which uses a comma instead of a point. For example, a one-half inch hole would be noted as 0,5 instead of 0.5.

NEW PRODUCTS



New Item

This symbol marks new products in the product overview.

New variants

Discover our new product offerings:
Adjustable handle versions and grips
for a variety of applications.
High-quality function and design.

OVERVIEW



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New materials

Completely new materials enhance our innovative strength. A number of product lines have been developed by us, subjected to thorough testing and then incorporated into our portfolio.

New elements

New standard elements, such as connectors, angles and joints for aluminum profiles, will add efficiency when it comes to building your plants and equipment.

ADDITIONAL PRODUCTS



K0269
Adjustable handles antistatic



K0981
Adjustable handles ergonomic



K0129
Tension levers flat



K0247
Knurled knobs biopolymer



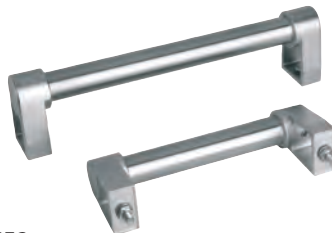
K0682
Palm grips, plastic coated



K0688
Star grips with extended hub



K0274
Wing grips antistatic



K0652
Pull Handles stainless steel



K0781
Tubular handles carbon



K1074
Pull handles



K0771
Position Indicator



K0999
Crank handles stainless steel

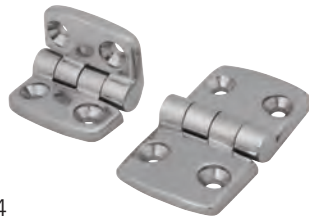


This symbol marks additional special order products on our website.

OVERVIEW



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Quarter-turn locks



K1084
Hinges stainless steel



K0742
Swivel feet steel



K0741
Levelling feet stainless steel for sterile areas



K0687
Machine feet



K0472
Tube clamps



K0537
Telescopic slides



K0094
Pneumatic push-pull clamps



K0754
Eccentric clamp modules



K0284
Self-aligning pads with o-ring



K1038
Pin connector sets



K0773
Weld-on D-ring

Additional Products

This catalog represents all of the components that are stocked at our United States warehouse in Stevensville, Michigan. An even broader range of specialized and hard-to-find products is available by special order from our factory in Germany. Some popular items are shown above; for a complete listing, visit kippusa.com and browse to the "additional products/special order" section.

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New Item



INCH
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New Item



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INCH
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INCH
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INCH
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INCH
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INCH
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METRIC
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INCH
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INCH
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INCH
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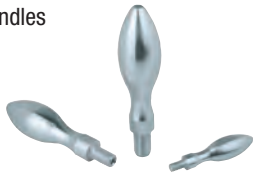


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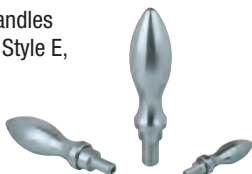
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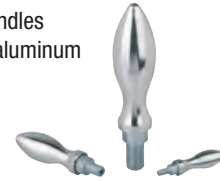
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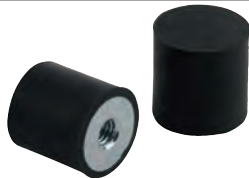
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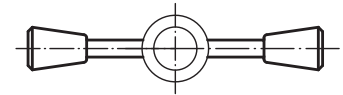
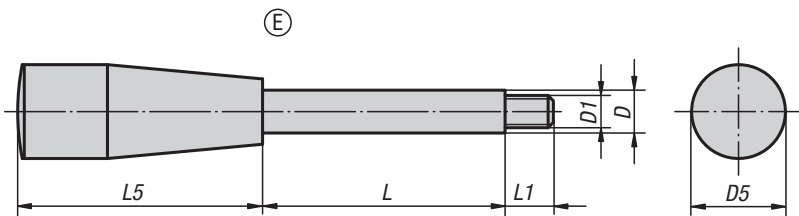
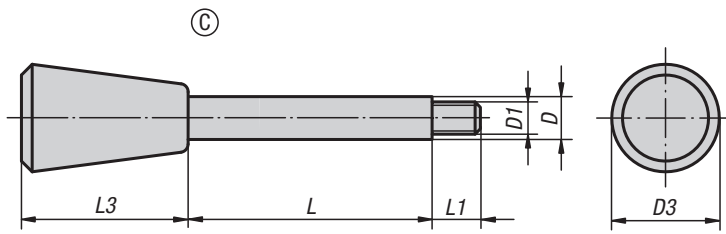
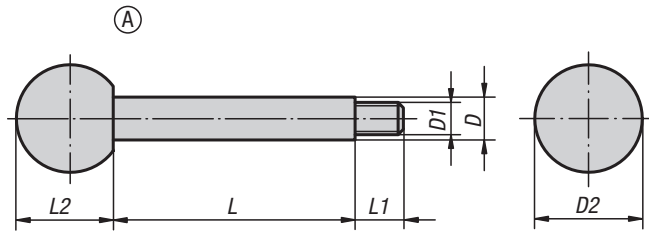
METRIC
Parts

Page 464

Gear Levers



INCH Parts METRIC Parts



Material:

Knobs Duroplast PF 31.
Rod steel 1.0718 or stainless steel 1.4305.

Type:

Duroplastic black, high-gloss polished.
Steel black oxide finish or stainless steel natural finish.

Part Number Example:

K0179.2A2X35
(include length L)

KIPP Gear Levers, style A, inch

Item No. Steel	Item No. Stainless steel	Style	D	D1	D2	L	L1	L2
K0179.2A2X	K0179.12A2X	A	8	1/4-20	20	35/50/65	9	18
K0179.2A3X	K0179.12A3X	A	10	5/16-18	25	50/65/80/100	13	22,5
K0179.2A4X	K0179.12A4X	A	12	3/8-16	32	65/80/100/125	15	29
K0179.2A5X	K0179.12A5X	A	14	1/2-13	36	80/100/125/160	16	33



KIPP Gear Levers, style C, inch

Item No. Steel	Item No. Stainless steel	Style	D	D1	D3	L	L1	L3
K0179.4A2X	K0179.14A2X	C	8	1/4-20	20	35/50/65	9	31
K0179.4A3X	K0179.14A3X	C	10	5/16-18	25	50/65/80/100	13	38
K0179.4A4X	K0179.14A4X	C	12	3/8-16	30	65/80/100/125	15	46
K0179.4A5X	K0179.14A5X	C	14	1/2-13	35	80/100/125/160	16	53

KIPP Gear Levers, style E, inch

Item No. Steel	Item No. Stainless steel	Style	D	D1	D5	L	L1	L5
K0179.6A2X	K0179.16A2X	E	8	1/4-20	17	35/50/65	9	45
K0179.6A3X	K0179.16A3X	E	10	5/16-18	23	50/65/80/100	13	61
K0179.6A4X	K0179.16A4X	E	12	3/8-16	29	65/80/100/125	15	71
K0179.6A5X	K0179.16A5X	E	14	1/2-13	29	80/100/125/160	16	71

KIPP Gear Levers, style A, metric

Item No. Steel	Item No. Stainless steel	Style	D	D1	D2	L	L1	L2
K0179.208X	K0179.1208X	A	8	M6	20	35/50/65	9	18
K0179.210X	K0179.1210X	A	10	M8	25	50/65/80/100	13	22,5
K0179.212X	K0179.1212X	A	12	M10	32	65/80/100/125	15	29
K0179.214X	K0179.1214X	A	14	M12	36	80/100/125/160	16	33

KIPP Gear Levers, style C, metric

Item No. Steel	Item No. Stainless steel	Style	D	D1	D3	L	L1	L3
K0179.408X	K0179.1408X	C	8	M6	20	35/50/65	9	31
K0179.410X	K0179.1410X	C	10	M8	25	50/65/80/100	13	38
K0179.412X	K0179.1412X	C	12	M10	30	65/80/100/125	15	46
K0179.414X	K0179.1414X	C	14	M12	35	80/100/125/160	16	53

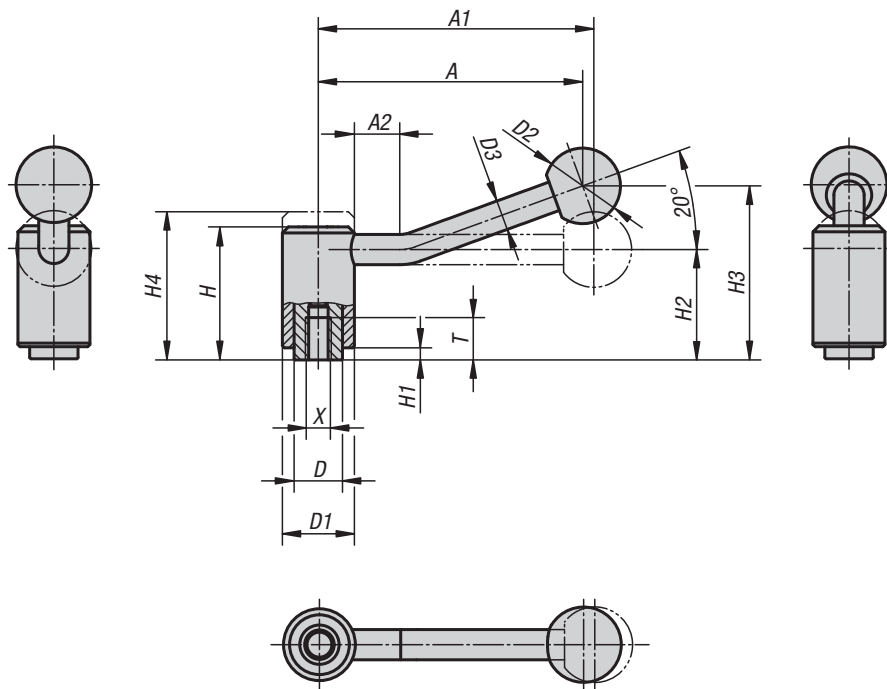
KIPP Gear Levers, style E, metric

Item No. Steel	Item No. Stainless steel	Style	D	D1	D5	L	L1	L5
K0179.608X	K0179.1608X	E	8	M6	17	35/50/65	9	45
K0179.610X	K0179.1610X	E	10	M8	23	50/65/80/100	13	61
K0179.612X	K0179.1612X	E	12	M10	29	65/80/100/125	15	71
K0179.614X	K0179.1614X	E	14	M12	29	80/100/125/160	16	71

Adjustable Tension Levers

internal thread

INCH Parts
METRIC Parts



Material:
Steel parts quality class 5.8.
Ball knob black plastic.

Type:
Powder-coated with fine texture, black

Part Number Example:
K0108.1A32

On request:
Other internal threads and special versions.
Dimension "H1", "A" and "A1" available in other lengths at an additional charge.



KIPP Adjustable Tension Levers, with internal thread, inch

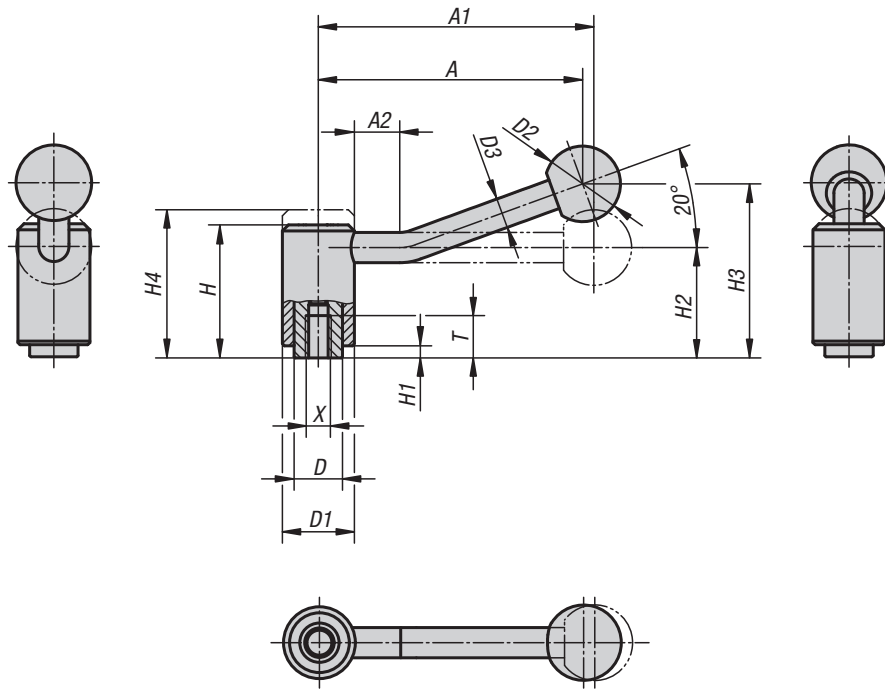
Item No. 0°	Item No. 20°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0108.1A32	K0108.1A31	1	5/16-18	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0108.1A42	K0108.1A41	1	3/8-16	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0108.2A42	K0108.2A41	2	3/8-16	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0108.2A52	K0108.2A51	2	1/2-13	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0108.3A52	K0108.3A51	3	1/2-13	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0108.3A62	K0108.3A61	3	5/8-11	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0108.4A62	K0108.4A61	4	5/8-11	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36
K0108.4A72	K0108.4A71	4	3/4-10	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36

KIPP Adjustable Tension Levers, with internal thread, metric

Item No. 0°	Item No. 20°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0108.1082	K0108.1081	1	M8	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0108.1102	K0108.1101	1	M10	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0108.2102	K0108.2101	2	M10	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0108.2122	K0108.2121	2	M12	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0108.3122	K0108.3121	3	M12	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0108.3162	K0108.3161	3	M16	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0108.4162	K0108.4161	4	M16	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36
K0108.4202	K0108.4201	4	M20	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36
K0108.4242	K0108.4241	4	M24	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36

Adjustable Tension Levers in stainless steel

internal thread



Material:
Steel parts in stainless steel, 1.4305,
black plastic ball knob

Type:
Steel parts natural finish.

Part Number Example:
K0109.1A32

On request:
Other internal threads and special versions.
Dimension "H1", "A" and "A1" available in
other lengths at an additional charge.



KIPP Adjustable Tension Levers, in stainless steel, with internal thread, inch

Item No. 0°	Item No. 20°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0109.1A32	K0109.1A31	1	5/16-18	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0109.1A42	K0109.1A41	1	3/8-16	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0109.2A42	K0109.2A41	2	3/8-16	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0109.2A52	K0109.2A51	2	1/2-13	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0109.3A52	K0109.3A51	3	1/2-13	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0109.3A62	K0109.3A61	3	5/8-11	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0109.4A62	K0109.4A61	4	5/8-11	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36
K0109.4A72	K0109.4A71	4	3/4-10	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36

KIPP Adjustable Tension Levers, in stainless steel, with internal thread, metric

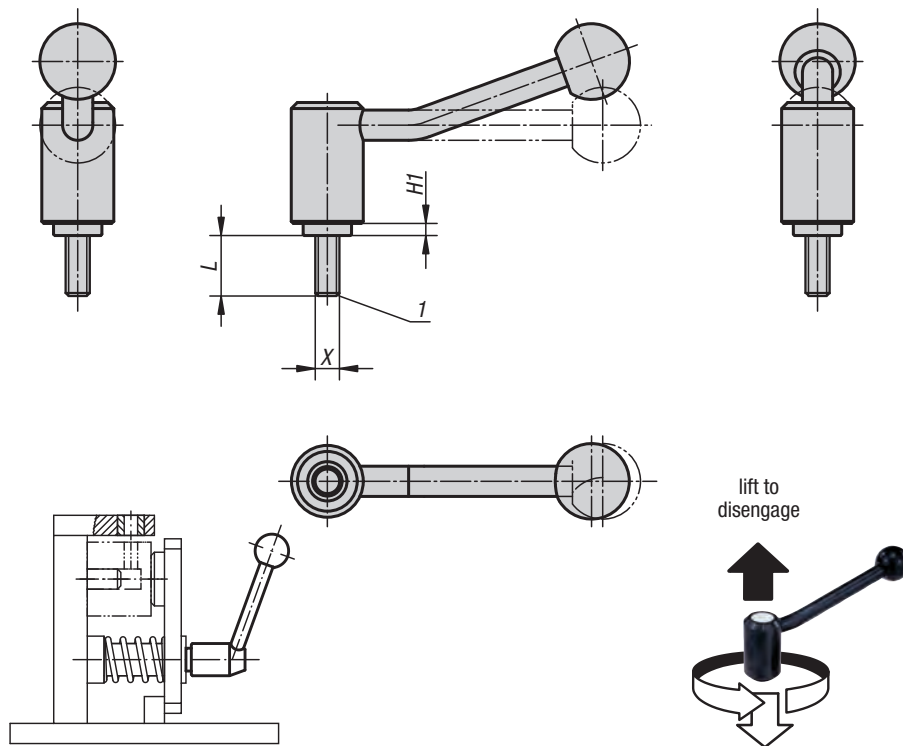
Item No. 0°	Item No. 20°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0109.1082	K0109.1081	1	M8	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0109.1102	K0109.1101	1	M10	14	16	24	25	10	44,5	4,5	37	-/58,5	49,5	-/88	92/-	-/15	22
K0109.2102	K0109.2101	2	M10	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0109.2122	K0109.2121	2	M12	17	19	28	32	12	51,5	5,5	42	-/68,5	57,5	-/106	111/-	-/15	24
K0109.3122	K0109.3121	3	M12	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0109.3162	K0109.3161	3	M16	23	23	33	32	13	58	6	47	-/81	65	-/128,5	134,5/-	-/15	26
K0109.4162	K0109.4161	4	M16	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36
K0109.4202	K0109.4201	4	M20	27	30	41	32	13	68,5	7,5	56,5	-/89,5	76,5	-/128,5	134/-	-/15	36

Adjustable Tension Levers

external thread



INCH Parts METRIC Parts



Material:
Steel parts quality class 5.8.
Ball knob black plastic.

Type:
Powder-coated with fine texture, black

Part Number Example:
K0108.1A32X20
(include length L)

Note:
For dimensions not shown, see Tension Levers with internal thread.

On request:
Other internal threads and special versions.
Dimension "H1", "A" and "A1" available in other lengths at an additional charge.

Drawing reference:
1) flat point DIN 78

KIPP Adjustable Tension Levers, with external thread, inch

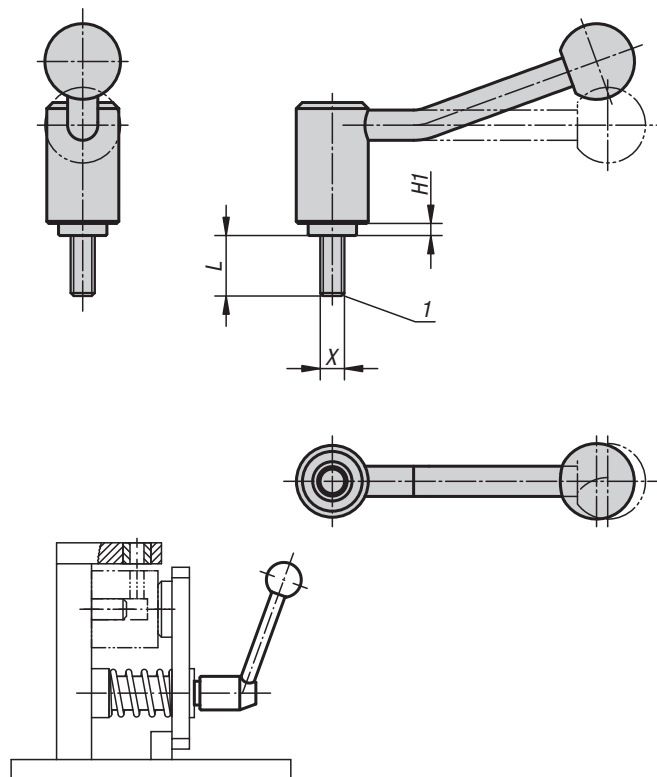
Item No. 0°	Item No. 20°	Size	X	H1	L
K0108.1A32X20	K0108.1A31X20	1	5/16-18	4,5	20/25/30/40/50/60
K0108.1A42X20	K0108.1A41X20	1	3/8-16	4,5	20/25/30/40/50/60
K0108.1A52X20	K0108.1A51X20	1	1/2-13	4,5	20/25/30/40/50/60
K0108.2A52X20	K0108.2A51X20	2	1/2-13	5,5	20/25/30/40/50/60
K0108.3A52X20	K0108.3A51X20	3	1/2-13	6	20/25/30/40/50/60
K0108.3A62X20	K0108.3A61X20	3	5/8-11	6	20/25/30/40/50/60
K0108.4A62X30	K0108.4A61X30	4	5/8-11	7,5	30/40/50/60
K0108.4A72X30	K0108.4A71X30	4	3/4-10	7,5	30/40/50/60

KIPP Adjustable Tension Levers, with external thread, metric

Item No. 0°	Item No. 20°	Size	X	H1	L
K0108.1082X15	K0108.1081X15	1	M8	4,5	15/20/25/30/40/50/60
K0108.1102X15	K0108.1101X15	1	M10	4,5	15/20/25/30/40/50/60
K0108.1122X15	K0108.1121X15	1	M12	4,5	15/20/25/30/40/50/60
K0108.2122X20	K0108.2121X20	2	M12	5,5	20/25/30/40/50/60
K0108.3122X20	K0108.3121X20	3	M12	6	20/25/30/40/50/60/70/80/90
K0108.3162X20	K0108.3161X20	3	M16	6	20/25/30/40/50/60/70/80/90
K0108.4162X30	K0108.4161X30	4	M16	7,5	30/40/50/60/70/80/90
K0108.4202X30	K0108.4201X30	4	M20	7,5	30/40/50/60/70/80/90
K0108.4242X30	K0108.4241X30	4	M24	7,5	30/40/50/60/70/80/90

Adjustable Tension Levers in stainless steel

external thread



Material:

Steel parts in stainless steel, 1.4305.
black plastic ball knob.

Type:

Steel parts natural finish.

Part Number Example:

K0109.1A32X15
(include length L)

Note:

For dimensions not shown, see Tension Levers with internal thread.

On request:

Other external threads, screw lengths and special versions.
Dimension "H1", "A" and "A1" available in other lengths at an extra charge.

Drawing reference:

1) flat point DIN 78

KIPP Adjustable Tension Levers, in stainless steel, with external thread, inch

Item No. 0°	Item No. 20°	Size	X	H1	L
K0109.1A32X15	K0109.1A31X15	1	5/16-18	4,5	15/20/25/30/40/50/60
K0109.1A42X15	K0109.1A41X15	1	3/8-16	4,5	15/20/25/30/40/50/60
K0109.1A52X15	K0109.1A51X15	1	1/2-13	4,5	15/20/25/30/40/50/60
K0109.2A52X20	K0109.2A51X20	2	1/2-13	5,5	20/25/30/40/50/60
K0109.3A52X20	K0109.3A51X20	3	1/2-13	6	20/25/30/40/50/60/70/80/90
K0109.3A62X20	K0109.3A61X20	3	5/8-11	6	20/25/30/40/50/60/70/80/90
K0109.4A62X30	K0109.4A61X30	4	5/8-11	7,5	30/40/50/60/70/80/90
K0109.4A72X30	K0109.4A71X30	4	3/4-10	7,5	30/40/50/60/70/80/90

KIPP Adjustable Tension Levers, in stainless steel, with external thread, metric

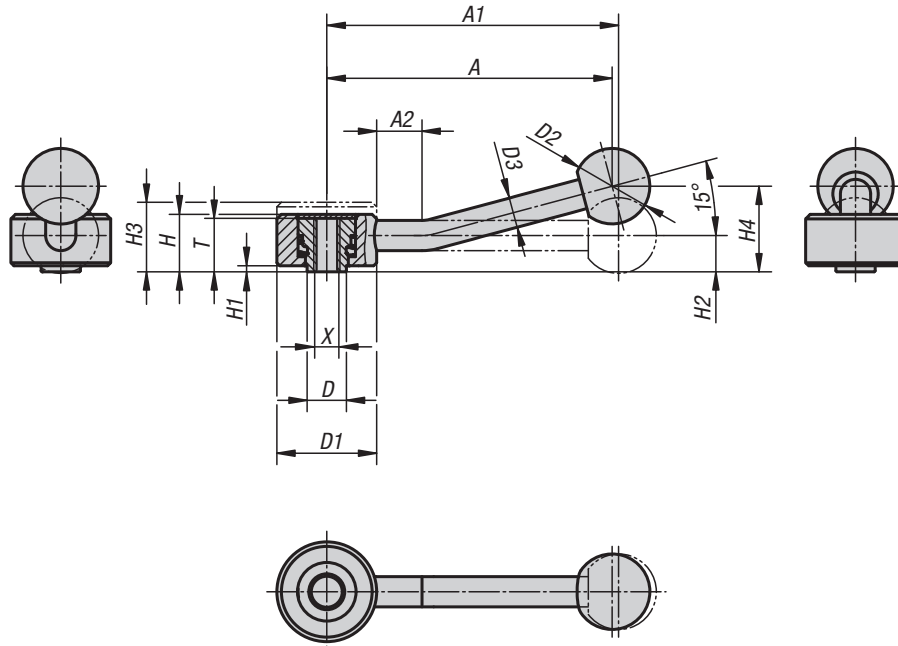
Item No. 0°	Item No. 20°	Size	X	H1	L
K0109.1082X15	K0109.1081X15	1	M8	4,5	15/20/25/30/40/50/60
K0109.1102X15	K0109.1101X15	1	M10	4,5	15/20/25/30/40/50/60
K0109.1122X15	K0109.1121X15	1	M12	4,5	15/20/25/30/40/50/60
K0109.2122X20	K0109.2121X20	2	M12	5,5	20/25/30/40/50/60
K0109.3122X20	K0109.3121X20	3	M12	6	20/25/30/40/50/60/70/80/90
K0109.3162X20	K0109.3161X20	3	M16	6	20/25/30/40/50/60/70/80/90
K0109.4162X30	K0109.4161X30	4	M16	7,5	30/40/50/60/70/80/90
K0109.4202X30	K0109.4201X30	4	M20	7,5	30/40/50/60/70/80/90

Adjustable Tension Levers

low profile, internal thread



INCH Parts METRIC Parts

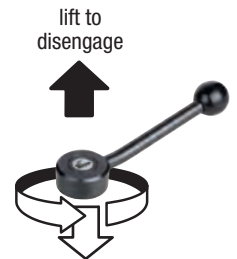


Material:
Steel parts quality class 5.8.
Ball knob black plastic.

Type:
Black oxide finish.

Part Number Example:
K0114.1A21

On request:
Other internal threads and special versions.
Dimension "H1", "A" and "A1" available in other lengths at an additional charge.



KIPP Adjustable Tension Levers, low profile, internal thread, inch

Item No. 0°	Item No. 15°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0114.1A21	K0114.1A22	1	1/4-20	18	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	26
K0114.1A31	K0114.1A32	1	5/16-18	18	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	26
K0114.2A41	K0114.2A42	2	3/8-16	21	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	30
K0114.2A51	K0114.2A52	2	1/2-13	21	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	30
K0114.3A51	K0114.3A52	3	1/2-13	27	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	36
K0114.3A61	K0114.3A62	3	5/8-11	27	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	36

KIPP Adjustable Tension Levers, low profile, internal thread, metric

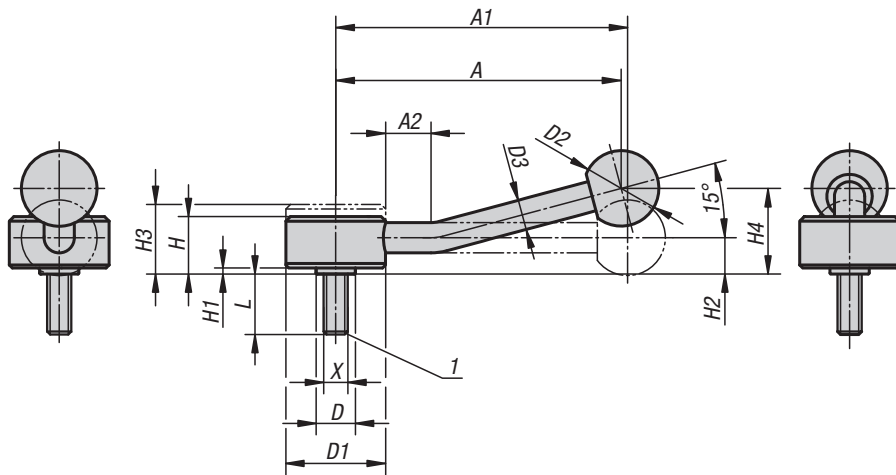
Item No. 0°	Item No. 15°	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth
K0114.1061	K0114.1062	1	M6	18	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	26
K0114.1081	K0114.1082	1	M8	18	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	26
K0114.2101	K0114.2102	2	M10	21	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	30
K0114.2121	K0114.2122	2	M12	21	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	30
K0114.3121	K0114.3122	3	M12	27	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	36
K0114.3161	K0114.3162	3	M16	27	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	36

Adjustable Tension Levers

low profile, external thread



INCH Parts METRIC Parts



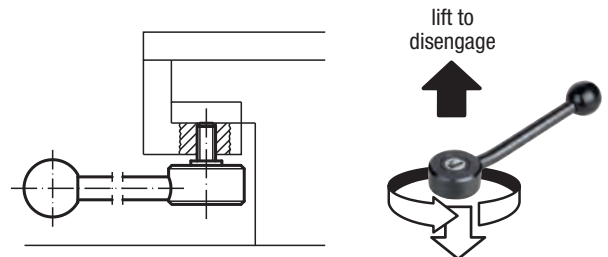
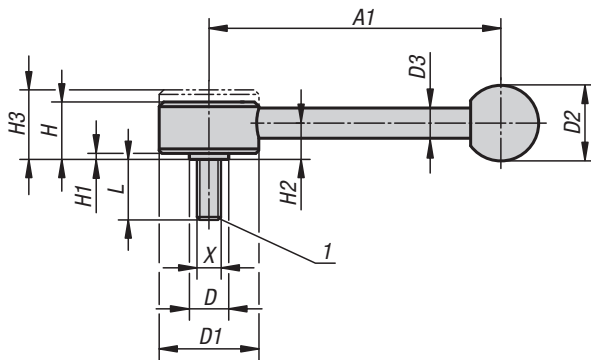
Material:
Steel parts quality class 5.8.
Ball knob black plastic.

Type:
Black oxide finish.

Part Number Example:
K0114.1A31X20
(include length L)

On request:
Other external threads, screw lengths and special versions.
Dimension "H1", "A" and "A1" available in other lengths at an additional charge.

Drawing reference:
1) flat point DIN 78



KIPP Adjustable Tension Levers, low profile, external thread, inch

Item No. 0°	Item No. 15°	Size	X	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth	L
K0114.1A31X	K0114.1A32X	1	5/16-18	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	20	20/25/30/40/50/60
K0114.1A41X	K0114.1A42X	1	3/8-16	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	20	20/25/30/40/50/60
K0114.2A41X	K0114.2A42X	2	3/8-16	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	24	20/25/30/40/50/60
K0114.2A51X	K0114.2A52X	2	1/2-13	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	24	20/25/30/40/50/60
K0114.3A51X	K0114.3A52X	3	1/2-13	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	26	20/25/30/40/50/60
K0114.3A61X	K0114.3A62X	3	5/8-11	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	26	20/25/30/40/50/60

KIPP Adjustable Tension Levers, low profile, external thread, metric

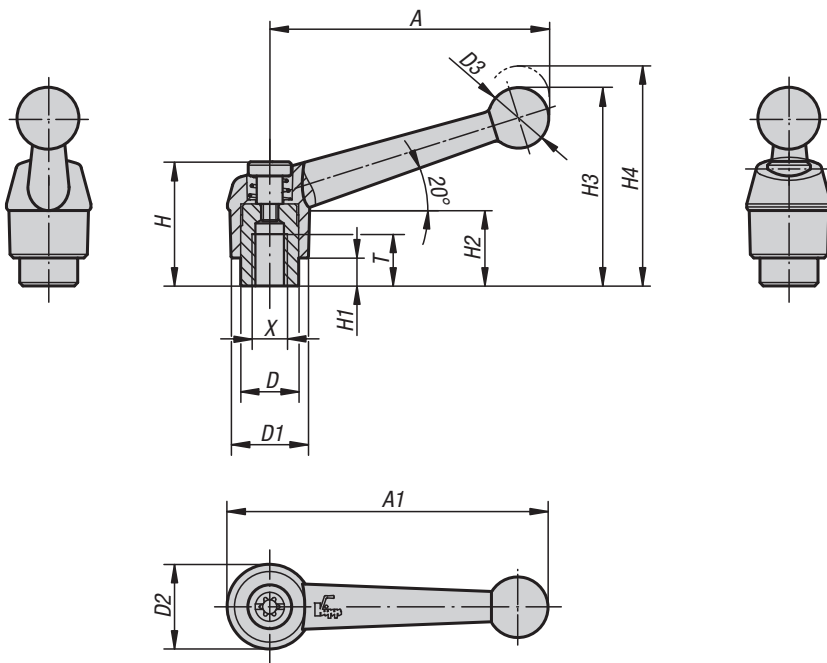
Item No. 0°	Item No. 15°	Size	X	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	A2	No. of teeth	L
K0114.1081X	K0114.1082X	1	M8	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	20	15/20/25/30/40/50/60
K0114.1101X	K0114.1102X	1	M10	13,5	33	25	10	19	2	12	23	-/29	-/100	102/-	-/15	20	15/20/25/30/40/50/60
K0114.2101X	K0114.2102X	2	M10	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	24	20/25/30/40/50/60
K0114.2121X	K0114.2122X	2	M12	19	41	30	12	22	2	13,5	26	-/38	-/127	131/-	-/15	24	20/25/30/40/50/60
K0114.3121X	K0114.3122X	3	M12	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	26	20/25/30/40/50/60
K0114.3161X	K0114.3162X	3	M16	23	45	37	14	28	2	17	33	-/48	-/145	148/-	-/15	26	20/25/30/40/50/60

Adjustable Handles

Classic Ball Style, Zinc, inserts and internal components steel, internal thread



INCH Parts METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:

Handle powder-coated,
steel parts black oxide finish

Part Number Example:

K0116.1AE1

Note:

Standard colors are:
black satin finish, silver metallic.

On request:

Other internal threads, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.



Adjustable Handles

Classic Ball Style, Zinc, inserts and internal components steel, internal thread



KIPP Adjustable Handles, Classic Ball Style, Zinc, with internal thread, components in steel, inch

Item No. Black satin finish	Item No. Silver metallic	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
K0116.1AE1	K0116.1AE3	1	8-32	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.1A01	K0116.1A03	1	10-24	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.1A11	K0116.1A13	1	10-32	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.1A21	K0116.1A23	1	1/4-20	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.2A21	K0116.2A23	2	1/4-20	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0116.2A31	K0116.2A33	2	5/16-18	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0116.3A31	K0116.3A33	3	5/16-18	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0116.3A41	K0116.3A43	3	3/8-16	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0116.4A41	K0116.4A43	4	3/8-16	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0116.4A51	K0116.4A53	4	1/2-13	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0116.5A51	K0116.5A53	5	1/2-13	23	23	30	31	22	49	12	32	79	84	110	126	26
K0116.5A61	K0116.5A63	5	5/8-11	23	23	30	31	22	49	12	32	79	84	110	126	26

KIPP Adjustable Handles, Classic Ball Style, Zinc, with internal thread, components in steel, metric

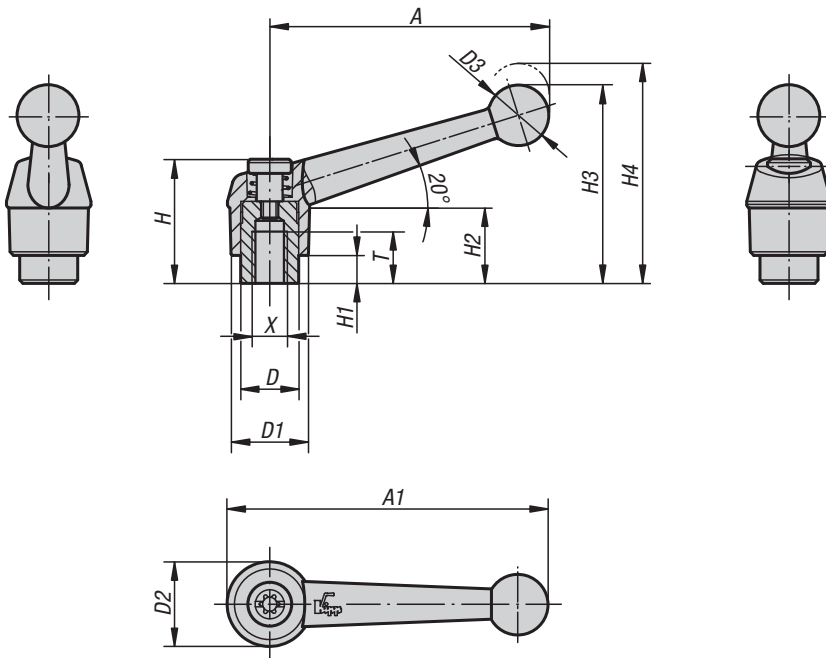
Item No. Black satin finish	Item No. Silver metallic	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
K0116.1041	K0116.1043	1	M4	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.1051	K0116.1053	1	M5	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.1061	K0116.1063	1	M6	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0116.2061	K0116.2063	2	M6	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0116.2081	K0116.2083	2	M8	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0116.3081	K0116.3083	3	M8	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0116.3101	K0116.3103	3	M10	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0116.4101	K0116.4103	4	M10	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0116.4121	K0116.4123	4	M12	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0116.5121	K0116.5123	5	M12	23	23	30	31	22	49	12	32	79	84	110	126	26
K0116.5161	K0116.5163	5	M16	23	23	30	31	22	49	12	32	79	84	110	126	26

Adjustable Handles

Classic Ball Style, Zinc, inserts and internal components stainless steel, internal thread



INCH Parts
METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:

Handle powder-coated,
steel parts natural finish.

Part Number Example:

K0117.1A01

Note:

Standard colors are:
black satin finish, silver metallic.

On request:

Other internal threads, colors and special versions.
Dimension "H1" can be produced in other lengths
at an additional charge.



Adjustable Handles

Classic Ball Style, Zinc, inserts and internal components stainless steel, internal thread



KIPP Adjustable Handles, Classic Ball Style, Zinc, with internal thread, components in stainless steel, inch

Item No. Black satin finish	Item No. Silver metallic	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
K0117.1A01	K0117.1A03	1	10-24	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.1A11	K0117.1A13	1	10-32	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.1A21	K0117.1A23	1	1/4-20	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.2A21	K0117.2A23	2	1/4-20	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0117.2A31	K0117.2A33	2	5/16-18	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0117.3A31	K0117.3A33	3	5/16-18	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0117.3A41	K0117.3A43	3	3/8-16	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0117.4A41	K0117.4A43	4	3/8-16	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0117.4A51	K0117.4A53	4	1/2-13	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0117.5A51	K0117.5A53	5	1/2-13	23	23	30	31	22	49	12	32	79	84	110	126	26
K0117.5A61	K0117.5A63	5	5/8-11	23	23	30	31	22	49	12	32	79	84	110	126	26

KIPP Adjustable Handles, Classic Ball Style, Zinc, with internal thread, components in stainless steel, metric

Item No. Black satin finish	Item No. Silver metallic	Size	X	T	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
K0117.1041	K0117.1043	1	M4	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.1051	K0117.1053	1	M5	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.1061	K0117.1063	1	M6	9	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
K0117.2061	K0117.2063	2	M6	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0117.2081	K0117.2083	2	M8	12	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
K0117.3081	K0117.3083	3	M8	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0117.3101	K0117.3103	3	M10	14	16	21	22	17	37	10	23	57,5	61,5	79	90	22
K0117.4101	K0117.4103	4	M10	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0117.4121	K0117.4123	4	M12	17	19	25	26	19	42,5	10	26	67	72	95	108	24
K0117.5121	K0117.5123	5	M12	23	23	30	31	22	49	12	32	79	84	110	126	26
K0117.5161	K0117.5163	5	M16	23	23	30	31	22	49	12	32	79	84	110	126	26

Adjustable Handles

Classic Ball Style, Zinc, bolts and internal components in steel, external thread



Material:
Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:
Handle powder-coated;
steel bolts and internal components black oxide finish

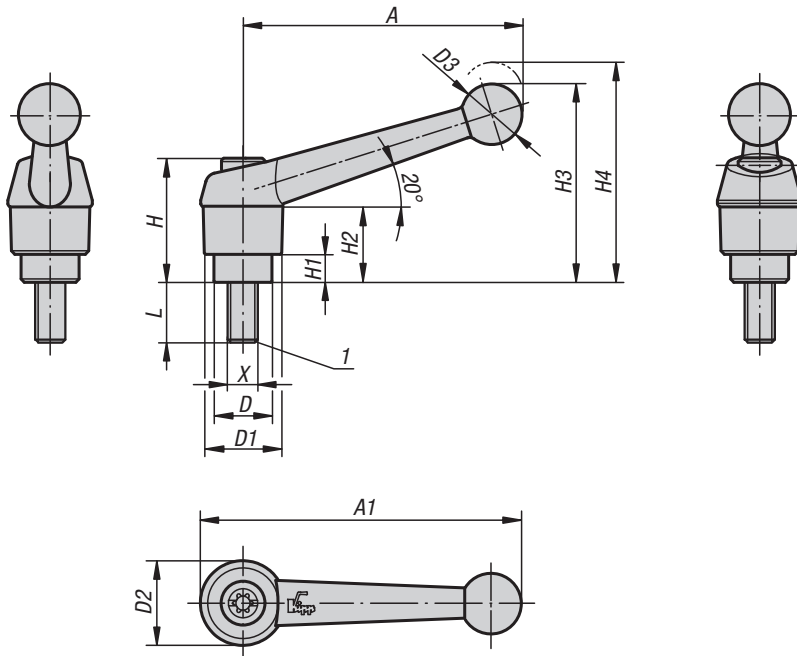
Part Number Example:
K0116.1A01X10
(include length L)

Note:
Standard colors are:
black satin finish, silver metallic.

On request:
Other external threads, screw lengths, colors and
special versions.
Dimension "H1" can be produced in other lengths at
an additional charge.

Drawing reference:
1) flat point DIN 78

lift to
disengage



KIPP Measurements, external thread

Size	X	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
1	10-24 / M5	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
1	10-32	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
1	1/4-20 / M6	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
2	1/4-20 / M6	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
2	5/16-18 / M8	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
2	3/8-16 / M10	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
3	5/16-18 / M8	16	21	22	17	37	10	23	57,5	61,5	79	90	22
3	3/8-16 / M10	16	21	22	17	37	10	23	57,5	61,5	79	90	22
4	3/8-16 / M10	19	25	26	19	42,5	10	26	67	72	95	108	24
4	1/2-13 / M12	19	25	26	19	42,5	10	26	67	72	95	108	24
5	1/2-13 / M12	23	30	31	22	49	12	32	79	84	110	126	26
5	5/8-11 / M16	23	30	31	22	49	12	32	79	84	110	126	26

Adjustable Handles

Classic Ball Style, Zinc, bolts and internal components in steel, external thread



KIPP Adjustable Handles, Classic Ball Style, Zinc, with external thread, components in steel, inch

Item No. Black satin finish	Item No. Silver metallic	Size	X	L
K0116.1A01X	K0116.1A03X	1	10-24	10/15/20/25/30/35/40/45/50
K0116.1A11X	K0116.1A13X	1	10-32	10/15/20/25/30/35/40/45/50
K0116.1A21X	K0116.1A23X	1	1/4-20	10/15/20/25/30/35/40/45/50
K0116.2A21X	K0116.2A23X	2	1/4-20	15/20/25/30/35/40/45/50/55/60
K0116.2A31X	K0116.2A33X	2	5/16-18	15/20/25/30/35/40/45/50/55/60
K0116.2A41X	K0116.2A43X	2	3/8-16	15/20/25/30/35/40/45/50/55/60
K0116.3A31X	K0116.3A33X	3	5/16-18	15/20/25/30/35/40/45/50/55/60
K0116.3A41X	K0116.3A43X	3	3/8-16	15/20/25/30/35/40/45/50/55/60
K0116.4A41X	K0116.4A43X	4	3/8-16	20/25/30/35/40/45/50/55/60/70/80/90
K0116.4A51X	K0116.4A53X	4	1/2-13	20/25/30/35/40/45/50/55/60/70/80/90
K0116.5A51X	K0116.5A53X	5	1/2-13	25/30/35/40/45/50/55/60/70/80/90
K0116.5A61X	K0116.5A63X	5	5/8-11	25/30/35/40/45/50/55/60/70/80/90

KIPP Adjustable Handles, Classic Ball Style, Zinc, with external thread, components in steel, metric

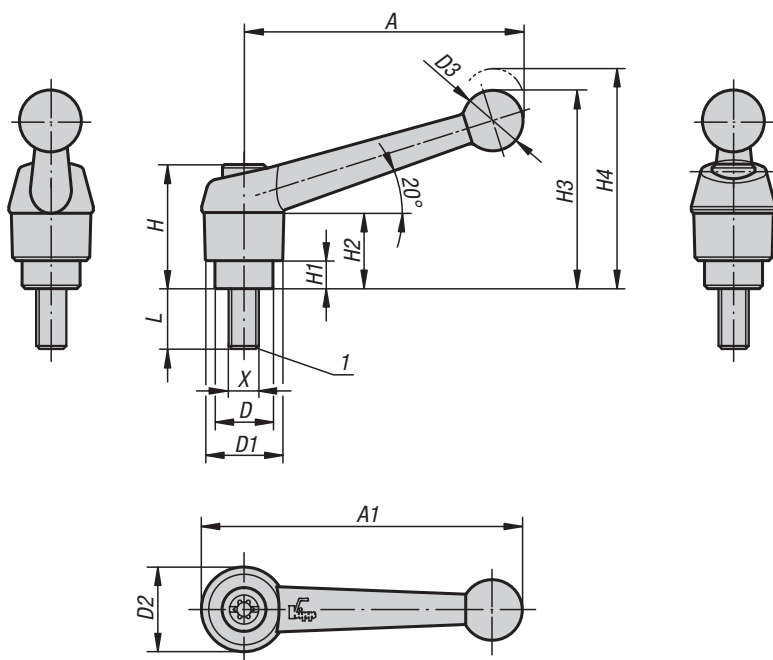
Item No. Black satin finish	Item No. Silver metallic	Size	X	L
K0116.1051X	K0116.1053X	1	M5	10/15/20/25/30/35/40/45/50
K0116.1061X	K0116.1063X	1	M6	10/15/20/25/30/35/40/45/50
K0116.2061X	K0116.2063X	2	M6	15/20/25/30/35/40/45/50/55/60
K0116.2081X	K0116.2083X	2	M8	15/20/25/30/35/40/45/50/55/60
K0116.2101X	K0116.2103X	2	M10	15/20/25/30/35/40/45/50/55/60
K0116.3081X	K0116.3083X	3	M8	15/20/25/30/35/40/45/50/55/60
K0116.3101X	K0116.3103X	3	M10	15/20/25/30/35/40/45/50/55/60
K0116.4101X	K0116.4103X	4	M10	20/25/30/35/40/45/50/55/60/70/80/90
K0116.4121X	K0116.4123X	4	M12	20/25/30/35/40/45/50/55/60/70/80/90
K0116.5121X	K0116.5123X	5	M12	25/30/35/40/45/50/55/60/70/80/90
K0116.5161X	K0116.5163X	5	M16	25/30/35/40/45/50/55/60/70/80/90

Adjustable Handles

Classic Ball Style, Zinc, bolts and internal components in stainless steel, external thread



INCH Parts METRIC Parts



Material:
Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:
Handle powder-coated;
stainless steel bolts and internal components natural finish

Part Number Example:
K0117.1A01X15
(include length L)

Note:
Standard colors are:
black satin finish, silver metallic.

On request:
Other external threads, screw lengths, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:
1) flat point DIN 78



KIPP Measurements, external thread

Size	X	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	No. of teeth
1	10-24 / M5	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
1	10-32	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
1	1/4-20 / M6	10	13	14	10,5	24,5	4	15	32,5	35,5	39	46	16
2	1/4-20 / M6	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
2	5/16-18 / M8	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
2	3/8-16 / M10	13,5	18	18,5	15,5	28,5	6,5	16,5	45,5	49,5	64	73	20
3	5/16-18 / M8	16	21	22	17	37	10	23	57,5	61,5	79	90	22
3	3/8-16 / M10	16	21	22	17	37	10	23	57,5	61,5	79	90	22
4	1/2-13 / M12	19	25	26	19	42,5	10	26	67	72	95	108	24
5	5/8-11 / M16	23	30	31	22	49	12	32	79	84	110	126	26

Adjustable Handles

Classic Ball Style, Zinc, bolts and internal components in stainless steel, external thread



KIPP Adjustable Handles, Classic Ball Style, Zinc, with external thread, components in stainless steel, inch

Item No. Black satin finish	Item No. Silver metallic	Size	X	L
K0117.1A01X	K0117.1A03X	1	10-24	15/20/25
K0117.1A11X	K0117.1A13X	1	10-32	15/20/25
K0117.1A21X	K0117.1A23X	1	1/4-20	10/15/20/25/30/40/50
K0117.2A21X	K0117.2A23X	2	1/4-20	15/20/25/30/40/50/60
K0117.2A31X	K0117.2A33X	2	5/16-18	15/20/25/30/40/50/60
K0117.2A41X	K0117.2A43X	2	3/8-16	20/25/30/40/50/60
K0117.3A31X	K0117.3A33X	3	5/16-18	20/25/30/40/50/60
K0117.3A41X	K0117.3A43X	3	3/8-16	20/25/30/40/50/60
K0117.4A51X	K0117.4A53X	4	1/2-13	25/30/40/50/60
K0117.5A61X	K0117.5A63X	5	5/8-11	30/40/50/60

KIPP Adjustable Handles, Classic Ball Style, Zinc, with external thread, components in stainless steel, metric

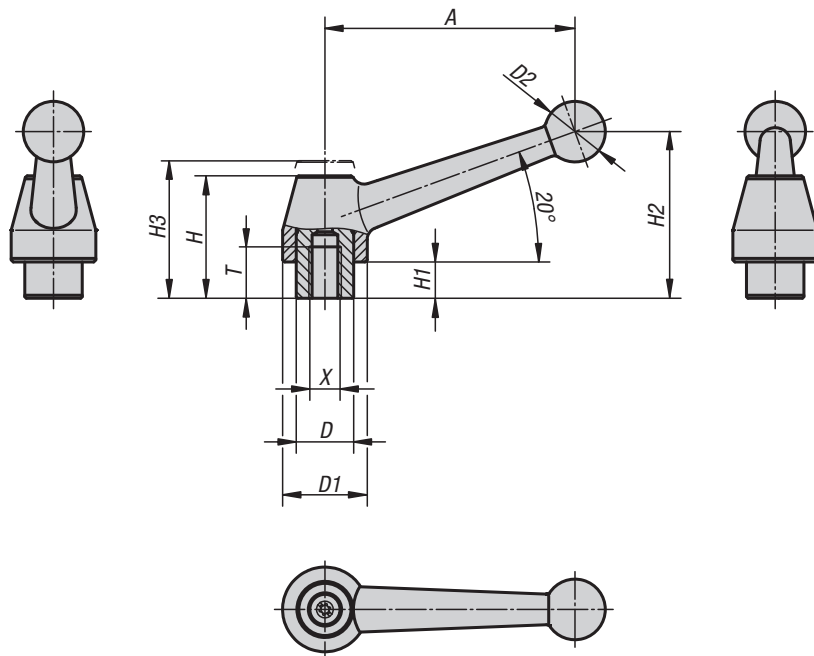
Item No. Black satin finish	Item No. Silver metallic	Size	X	L
K0117.1051X	K0117.1053X	1	M5	10/15/20/25
K0117.1061X	K0117.1063X	1	M6	10/15/20/25/30/40/50
K0117.2061X	K0117.2063X	2	M6	15/20/25/30/40/50/60
K0117.2081X	K0117.2083X	2	M8	15/20/25/30/40/50/60
K0117.2101X	K0117.2103X	2	M10	20/25/30/40/50/60
K0117.3081X	K0117.3083X	3	M8	20/25/30/40/50/60
K0117.3101X	K0117.3103X	3	M10	20/25/30/40/50/60
K0117.4121X	K0117.4123X	4	M12	25/30/40/50/60
K0117.5161X	K0117.5163X	5	M16	30/40/50/60

Adjustable Handles

Classic Ball Style, Steel, internal thread



INCH Parts METRIC Parts

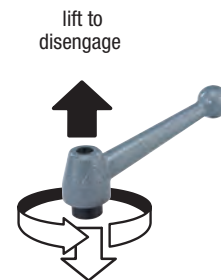


Material:
Handle 1.0401.
All other steel parts quality class 5.8.

Type:
Handle painted silver-gray with hammertone finish, steel parts black oxide finish.

Part Number Example:
K0120.1A3

On request:
Other internal threads and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.



KIPP Adjustable Handles, Classic Ball Style, with internal thread, inch

Item No.	Base material	Size	X	T	D	D1	D2	H	H1	H2	H3	A	No. of teeth
K0120.1A3	Steel	1	5/16-18	17	19	28	20	41	12	54	49	83	24
K0120.1A4	Steel	1	3/8-16	17	19	28	20	41	12	54	49	83	24
K0120.1A5	Steel	1	1/2-13	17	19	28	20	41	12	54	49	83	24
K0120.2A5	Steel	2	1/2-13	23	23	35	25	50	12	69	56	108	26
K0120.2A6	Steel	2	5/8-11	23	23	35	25	50	12	69	56	108	26
K0120.3A6	Steel	3	5/8-11	27	30	43	30	58.5	12	78	65	132	36
K0120.3A7	Steel	3	3/4-10	27	30	43	30	58.5	12	78	65	132	36

KIPP Adjustable Handles, Classic Ball Style, with internal thread, metric

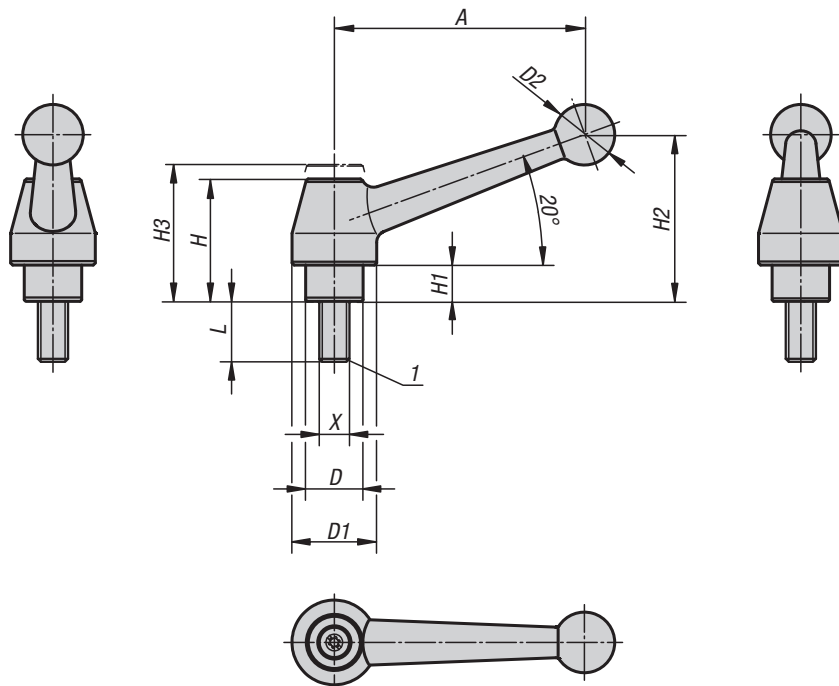
Item No.	Base material	Size	X	T	D	D1	D2	H	H1	H2	H3	A	No. of teeth
K0120.108	Steel	1	M8	17	19	28	20	41	12	54	49	83	24
K0120.110	Steel	1	M10	17	19	28	20	41	12	54	49	83	24
K0120.112	Steel	1	M12	17	19	28	20	41	12	54	49	83	24
K0120.212	Steel	2	M12	23	23	35	25	50	12	69	56	108	26
K0120.216	Steel	2	M16	23	23	35	25	50	12	69	56	108	26
K0120.316	Steel	3	M16	27	30	43	30	58,5	12	78	65	132	36
K0120.320	Steel	3	M20	27	30	43	30	58,5	12	78	65	132	36

Adjustable Handles

Classic Ball Style, Steel, external thread

INCH
Parts

METRIC
Parts



Material:

Handle 1.0401.
All other steel parts quality class 5.8.

Type:

Handle painted silver-gray with hammertone finish, steel parts black oxide finish.

Part Number Example:

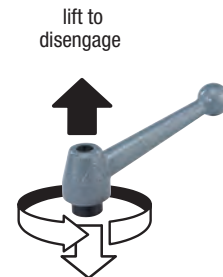
K0120.1A4X20
(include length L)

On request:

Other external threads, screw lengths and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



KIPP Adjustable Handles, Classic Ball Style, with external thread, inch

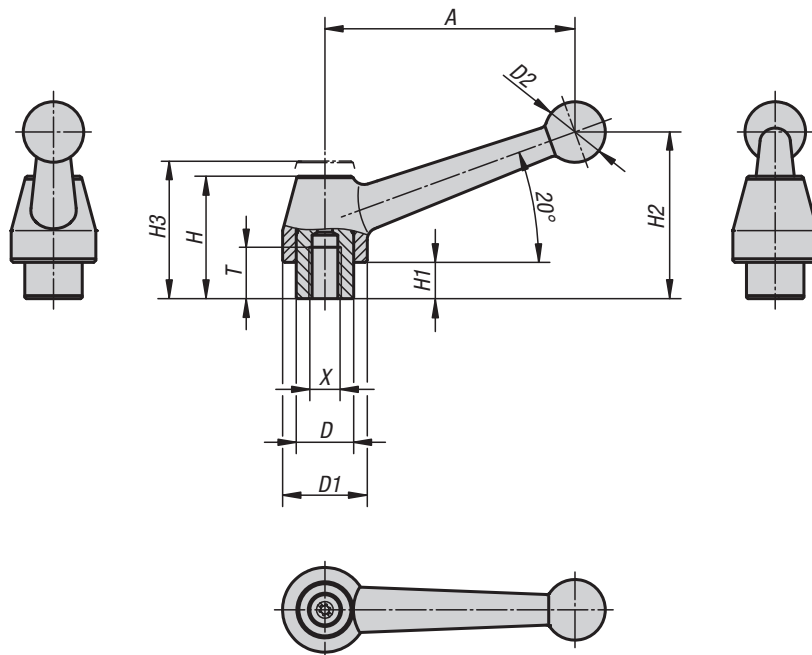
Item No.	Base material	Size	X	D	D1	D2	H	H1	H2	H3	A	No. of teeth	L
K0120.1A4X	Steel	1	3/8-16	19	28	20	41	12	54	49	83	24	20/30/40/45/50/60
K0120.1A5X	Steel	1	1/2-13	19	28	20	41	12	54	49	83	24	20/30/40/45/50/60
K0120.2A5X	Steel	2	1/2-13	23	35	25	50	12	69	56	108	26	25/30/40/45/50/60
K0120.2A6X	Steel	2	5/8-11	23	35	25	50	12	69	56	108	26	25/30/40/45/50/60
K0120.3A6X	Steel	3	5/8-11	30	43	30	58.5	12	78	65	132	36	30/40/50/60
K0120.3A7X	Steel	3	3/4-10	30	43	30	58.5	12	78	65	132	36	30/40/50/60

KIPP Adjustable Handles, Classic Ball Style, with external thread, metric

Item No.	Base material	Size	X	D	D1	D2	H	H1	H2	H3	A	No. of teeth	L
K0120.110X	Steel	1	M10	19	28	20	41	12	54	49	83	24	20/25/30/35/40/45/50/55/60/70/80/90
K0120.112X	Steel	1	M12	19	28	20	41	12	54	49	83	24	20/25/30/35/40/45/50/55/60/70/80/90
K0120.212X	Steel	2	M12	23	35	25	50	12	69	56	108	26	25/30/35/40/45/50/55/60/70/80/90
K0120.216X	Steel	2	M16	23	35	25	50	12	69	56	108	26	25/30/35/40/45/50/55/60/70/80/90
K0120.316X	Steel	3	M16	30	43	30	58,5	12	78	65	132	36	30/40/50/60/70/80/90
K0120.320X	Steel	3	M20	30	43	30	58,5	12	78	65	132	36	30/40/50/60/70/80/90

Adjustable Handles

Classic Ball Style, Stainless steel components, internal thread



Material:

Handle in stainless steel 1.4308;
all other steel parts stainless steel 1.4305

Type:

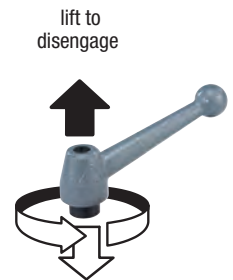
Handle in stainless steel electrolytic-polish.
Steel parts natural finish.

Part Number Example:

K0121.11A3

On request:

Other internal threads and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.



KIPP Adjustable Handles, Classic Ball Style, with internal thread, inch

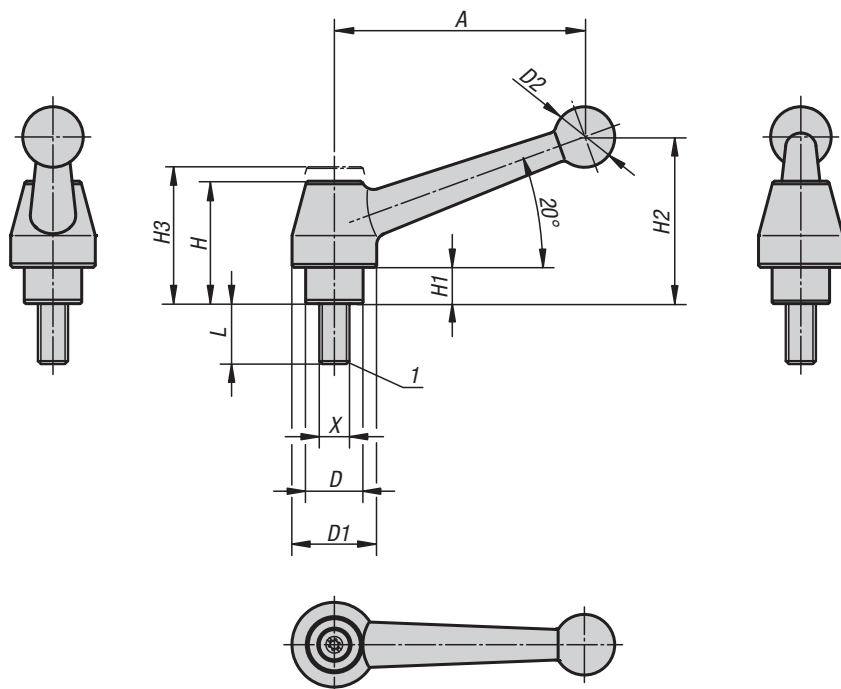
Item No.	Base material	Size	X	T	D	D1	D2	H	H1	H2	H3	A	No. of teeth
K0121.11A3	Stainless steel	1	5/16-18	17	19	28	20	41	12	54	49	83	24
K0121.11A4	Stainless steel	1	3/8-16	17	19	28	20	41	12	54	49	83	24
K0121.11A5	Stainless steel	1	1/2-13	17	19	28	20	41	12	54	49	83	24

KIPP Adjustable Handles, Classic Ball Style, with internal thread, metric

Item No.	Base material	Size	X	T	D	D1	D2	H	H1	H2	H3	A	No. of teeth
K0121.1108	Stainless steel	1	M8	17	19	28	20	41	12	54	49	83	24
K0121.1110	Stainless steel	1	M10	17	19	28	20	41	12	54	49	83	24
K0121.1112	Stainless steel	1	M12	17	19	28	20	41	12	54	49	83	24

Adjustable Handles

Classic Ball Style, Stainless steel components, external thread



Material:

Handle in stainless steel 1.4308;
all other steel parts stainless steel 1.4305

Type:

Handle in stainless steel electrolytic-polish.
Steel parts natural finish.

Part Number Example:

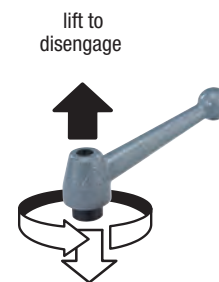
K0121.11A4X20
(include length L)

On request:

Other external threads, screw lengths and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



KIPP Adjustable Handles, Classic Ball Style, with external thread, inch

Item No.	Base material	Size	X	D	D1	D2	H	H1	H2	H3	A	No. of teeth	L
K0121.11A4X	Stainless steel	1	3/8-16	19	28	20	41	12	54	49	83	24	20/30/40/45/50/60
K0121.11A5X	Stainless steel	1	1/2-13	19	28	20	41	12	54	49	83	24	20/30/40/45/50/60

KIPP Adjustable Handles, Classic Ball Style, with external thread, metric

Item No.	Base material	Size	X	D	D1	D2	H	H1	H2	H3	A	No. of teeth	L
K0121.1110X	Stainless steel	1	M10	19	28	20	41	12	54	49	83	24	25/30/40/50/60
K0121.1112X	Stainless steel	1	M12	19	28	20	41	12	54	49	83	24	25/30/40/50/60

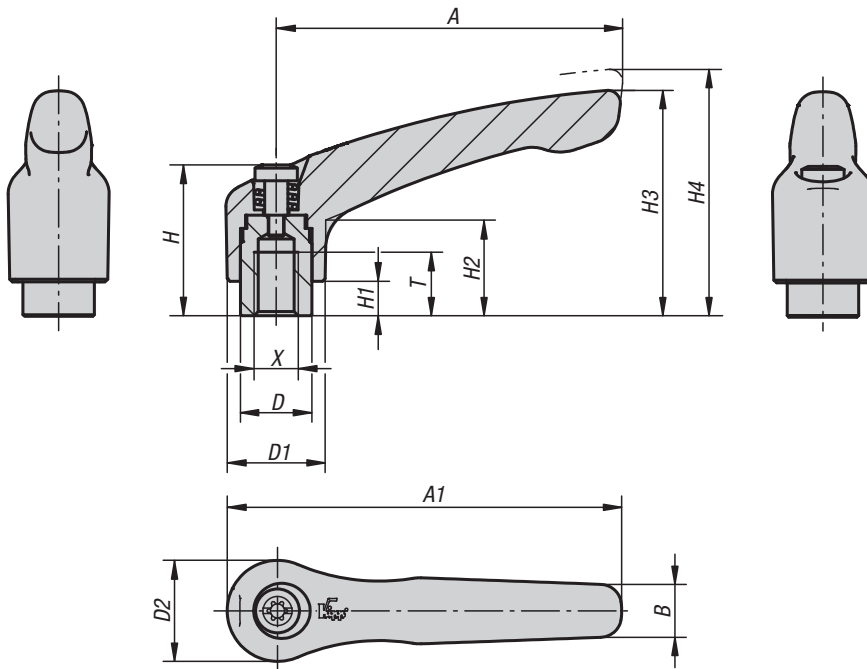
Adjustable Handles steel

internal thread

INCH
Parts

METRIC
Parts

New Item



Material:

Handle 1.0401.
All other steel parts quality class 5.8.

Type:

Handle powder-coated, fine-textured structure.
Steel parts black oxidized.

Part Number Example:

K0752.1051

Note:

Standard colors are:
black or red RAL 3003.

lift to
disengage



Adjustable Handles steel

internal thread



KIPP Adjustable Handles with internal thread, steel, inch

Item No. black	Item No. Ruby red RAL 3003	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0752.1AE1	K0752.1AE27	1	8-32	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.1A01	K0752.1A027	1	10-24	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.1A11	K0752.1A127	1	10-32	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.1A21	K0752.1A227	1	1/4-20	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.2A21	K0752.2A227	2	1/4-20	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0752.2A31	K0752.2A327	2	5/16-18	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0752.3A31	K0752.3A327	3	5/16-18	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0752.3A41	K0752.3A427	3	3/8-16	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0752.4A41	K0752.4A427	4	3/8-16	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0752.4A51	K0752.4A527	4	1/2-13	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0752.5A51	K0752.5A527	5	1/2-13	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0752.5A61	K0752.5A627	5	5/8-11	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

KIPP Adjustable Handles with internal thread, steel, metric

Item No. black	Item No. Ruby red RAL 3003	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0752.1041	K0752.10427	1	M4	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.1051	K0752.10527	1	M5	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.1061	K0752.10627	1	M6	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0752.2061	K0752.20627	2	M6	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0752.2081	K0752.20827	2	M8	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0752.3081	K0752.30827	3	M8	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0752.3101	K0752.31027	3	M10	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0752.4101	K0752.41027	4	M10	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0752.4121	K0752.41227	4	M12	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0752.5121	K0752.51227	5	M12	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0752.5161	K0752.51627	5	M16	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

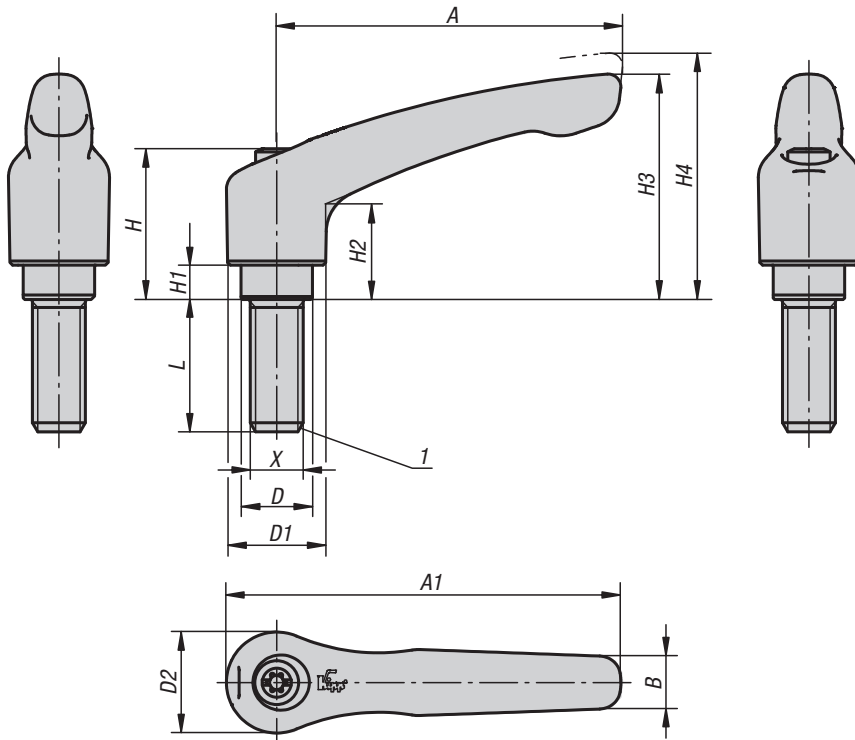
Adjustable Handles steel

external thread

INCH
Parts

METRIC
Parts

New Item



Material:

Handle 1.0401.
All other steel parts quality class 5.8.

Type:

Handle powder-coated, fine-textured structure.
Steel parts black oxidized.

Part Number Example:

K0752.1051X20

Note:

Standard colors are:
black or red RAL 3003.

Drawing reference:

1) flat point DIN 78

lift to
disengage



Adjustable Handles steel

external thread



KIPP Measurements, external thread

Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
1	10-24 ; M5	10	13	14	24,5	4	14,5	31	34	40	47	7	16
1	10-32 ; 1/4-20 ; M6	10	13	14	24,5	4	14,5	31	34	40	47	7	16
2	1/4-20 ; M6	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
2	5/16-18 ; M8	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
2	3/8-16 ; M10	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
3	5/16-18 ; M8	16	21	22	37	10	24	54,5	58,5	80	91	11	22
3	3/8-16 ; M10	16	21	22	37	10	24	54,5	58,5	80	91	11	22
4	3/8-16 ; M10	19	27	27,5	43	10	27	63	67,5	95	109	13	24
4	1/2-13 ; M12	19	27	27,5	43	10	27	63	67,5	95	109	13	24
5	1/2-13 ; M12	23	31	32	49	12	31,5	73	77,5	110	126	15	26
5	5/8-11 ; M16	23	31	32	49	12	31,5	73	77,5	110	126	15	26

KIPP Adjustable Handles with external thread, steel, inch

Item No. black	Item No. Ruby red RAL 3003	Size	X	L
K0752.1A01X10	K0752.1A027X10	1	10-24	10/15/20/25/30/35/40/45/50
K0752.1A11X10	K0752.1A127X10	1	10-32	10/15/20/25/30/35/40/45/50
K0752.1A21X10	K0752.1A227X10	1	1/4-20	10/15/20/25/30/35/40/45/50
K0752.2A21X15	K0752.2A227X15	2	1/4-20	15/20/25/30/35/40/45/50/55/60
K0752.2A31X15	K0752.2A327X15	2	5/16-18	15/20/25/30/35/40/45/50/55/60
K0752.2A41X15	K0752.2A427X15	2	3/8-16	15/20/25/30/35/40/45/50/55/60
K0752.3A31X15	K0752.3A327X15	3	5/16-18	15/20/25/30/35/40/45/50/55/60
K0752.3A41X15	K0752.3A427X15	3	3/8-16	15/20/25/30/35/40/45/50/55/60
K0752.4A41X20	K0752.4A427X20	4	3/8-16	20/25/30/35/40/45/50/55/60/70/80/90
K0752.4A51X20	K0752.4A527X20	4	1/2-13	20/25/30/35/40/45/50/55/60/70/80/90
K0752.5A51X25	K0752.5A527X25	5	1/2-13	25/30/35/40/45/50/55/60/70/80/90
K0752.5A61X25	K0752.5A627X25	5	5/8-11	25/30/35/40/45/50/55/60/70/80/90

KIPP Adjustable Handles with external thread, steel, metric

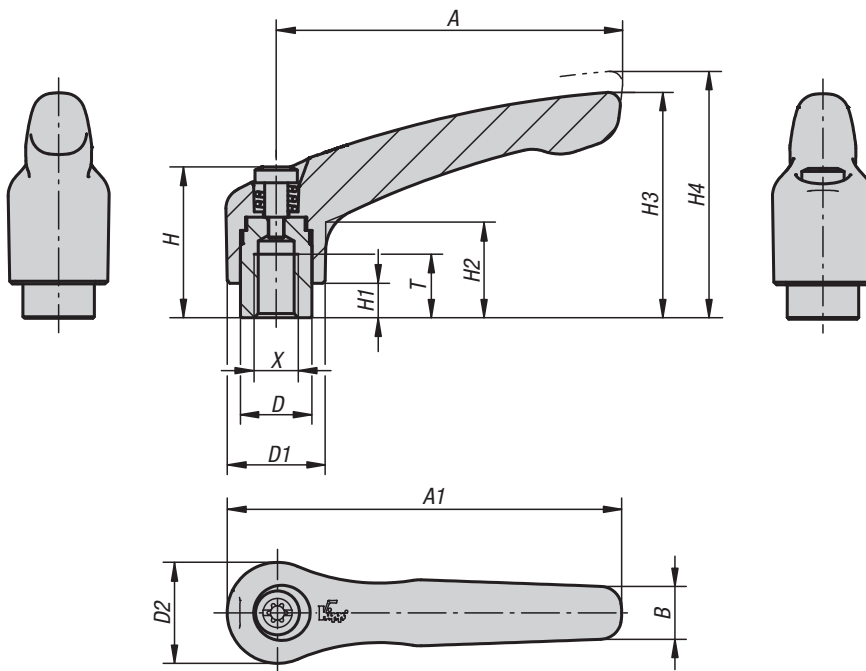
Item No. black	Item No. Ruby red RAL 3003	Size	X	L
K0752.1051X	K0752.10527X	1	M5	10/15/20/25/30/35/40/45/50
K0752.1061X	K0752.10627X	1	M6	10/15/20/25/30/35/40/45/50
K0752.2061X	K0752.20627X	2	M6	15/20/25/30/35/40/45/50/55/60
K0752.2081X	K0752.20827X	2	M8	15/20/25/30/35/40/45/50/55/60
K0752.2101X	K0752.21027X	2	M10	15/20/25/30/35/40/45/50/55/60
K0752.3081X	K0752.30827X	3	M8	15/20/25/30/35/40/45/50/55/60
K0752.3101X	K0752.31027X	3	M10	15/20/25/30/35/40/45/50/55/60
K0752.4101X	K0752.41027X	4	M10	20/25/30/35/40/45/50/55/60/70/80/90
K0752.4121X	K0752.41227X	4	M12	20/25/30/35/40/45/50/55/60/70/80/90
K0752.5121X	K0752.51227X	5	M12	25/30/35/40/45/50/55/60/70/80/90
K0752.5161X	K0752.51627X	5	M16	25/30/35/40/45/50/55/60/70/80/90

Adjustable Handles

Modern Design Style, Zinc, inserts and internal components in steel, internal thread



INCH Parts METRIC Parts



Material:
Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:
Handle powder-coated, except high-polished chromium plated versions, steel parts black oxide finish

Part Number Example:
K0122.OAD1
(handle color black satin finish)

Note:
Δ Add the desired lever color here.
Standard colors are:
black satin finish, orange RAL 2004, ruby red RAL 3003, silver metallic, high gloss chromate.

On request:
Other internal threads, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.



black satin finish Δ = 1 	orange Δ = 2 RAL 2004 	ruby red Δ = 27 RAL 3003 	silver metallic Δ = 3 	high-polish chromium-plated Δ = 6 
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Adjustable Handles

Modern Design Style, Zinc, inserts and internal components in steel, internal thread



KIPP Adjustable Handles, Modern Design Style, Zinc, with internal thread, components in steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0122.0A0Δ	0	6-32	9	10	13	14	24.5	4	14,5	30	33	30	37	7	16
K0122.0A1Δ	0	8-32	9	10	13	14	24.5	4	14,5	30	33	30	37	7	16
K0122.0A0Δ	0	10-24	9	10	13	14	24.5	4	14,5	30	33	30	37	7	16
K0122.0A1Δ	0	10-32	9	10	13	14	24.5	4	14,5	30	33	30	37	7	16
K0122.0A2Δ	0	1/4-20	9	10	13	14	24.5	4	14,5	30	33	30	37	7	16
K0122.1A0Δ	1	8-32	9	10	13	14	24.5	4	14,5	31	34	40	47	7	16
K0122.1A1Δ	1	10-24	9	10	13	14	24.5	4	14,5	31	34	40	47	7	16
K0122.1A1Δ	1	10-32	9	10	13	14	24.5	4	14,5	31	34	40	47	7	16
K0122.1A2Δ	1	1/4-20	9	10	13	14	24.5	4	14,5	31	34	40	47	7	16
K0122.2A2Δ	2	1/4-20	12	13,5	18,5	19	28.5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.2A3Δ	2	5/16-18	12	13,5	18,5	19	28.5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.3A3Δ	3	5/16-18	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0122.3A4Δ	3	3/8-16	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0122.4A4Δ	4	3/8-16	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0122.4A5Δ	4	1/2-13	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0122.5A5Δ	5	1/2-13	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0122.5A6Δ	5	5/8-11	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

KIPP Adjustable Handles, Modern Design Style, Zinc, with internal thread, components in steel, metric

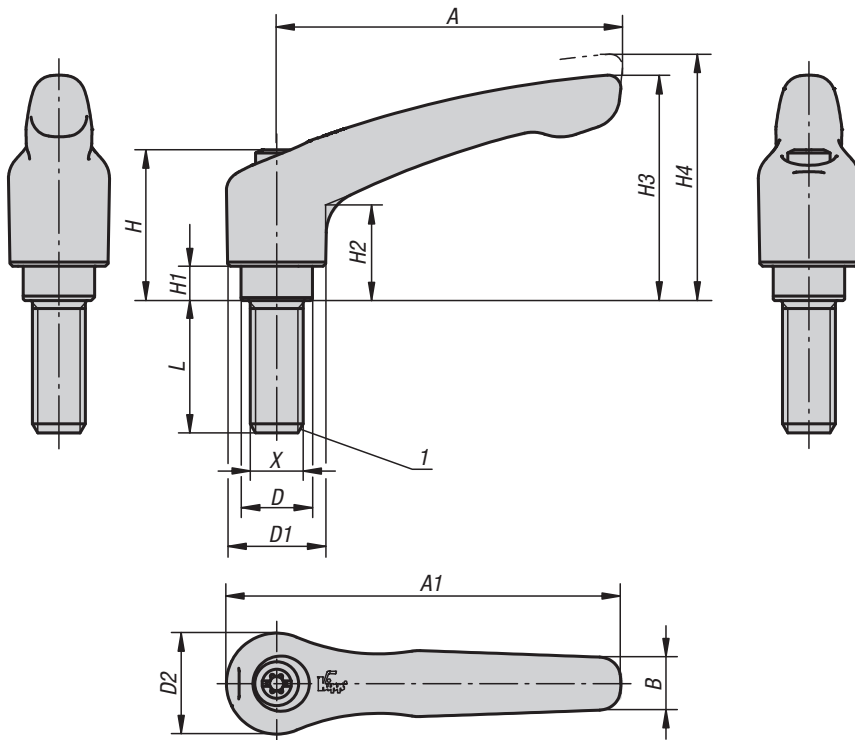
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0122.003Δ	0	M3	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0122.004Δ	0	M4	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0122.005Δ	0	M5	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0122.104Δ	1	M4	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0122.105Δ	1	M5	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0122.106Δ	1	M6	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0122.206Δ	2	M6	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.208Δ	2	M8	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.308Δ	3	M8	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0122.310Δ	3	M10	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0122.410Δ	4	M10	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0122.412Δ	4	M12	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0122.512Δ	5	M12	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0122.516Δ	5	M16	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

Adjustable Handles

Modern Design Style, Zinc, bolts and internal components in steel, external thread



INCH Parts METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:

Handle powder-coated, except high-polished chromium plated versions, steel parts black oxide finish

Part Number Example:

K0122.0AE1X10
(handle color black satin finish;
include length L)

Note:

Δ Add the desired handle color here

On request:

Other external threads, screw lengths, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



black satin finish Δ = 1 	orange Δ = 2 RAL 2004 	ruby red Δ = 27 RAL 3003 	silver metallic Δ = 3 	high-polish chromium-plated Δ = 6 
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Adjustable Handles

Modern Design Style, Zinc, bolts and internal components in steel, external thread



KIPP Adjustable Handles, Modern Design Style, Zinc, with external thread, components in steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0122.0AEΔX	0	8-32	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.0A0ΔX	0	10-24	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.0A1ΔX	0	10-32	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.0A2ΔX	0	1/4-20	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.1A0ΔX	1	10-24	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/35/40/45/50
K0122.1A1ΔX	1	10-32	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/35/40/45/50
K0122.1A2ΔX	1	1/4-20	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/35/40/45/50
K0122.2A2ΔX	2	1/4-20	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.2A3ΔX	2	5/16-18	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.2A4ΔX	2	3/8-16	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.3A3ΔX	3	5/16-18	16	21	22	37	10	24	54,5	58,5	80	91	11	22	15/20/25/30/35/40/45/50/55/60
K0122.3A4ΔX	3	3/8-16	16	21	22	37	10	24	54,5	58,5	80	91	11	22	15/20/25/30/35/40/45/50/55/60
K0122.4A4ΔX	4	3/8-16	19	27	27,5	43	10	27	63	67,5	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0122.4A5ΔX	4	1/2-13	19	27	27,5	43	10	27	63	67,5	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0122.5A5ΔX	5	1/2-13	23	31	32	49	12	31,5	73	77,5	110	126	15	26	25/30/35/40/45/50/55/60/70/80/90
K0122.5A6ΔX	5	5/8-11	23	31	32	49	12	31,5	73	77,5	110	126	15	26	25/30/35/40/45/50/55/60/70/80/90

KIPP Adjustable Handles, Modern Design Style, Zinc, with external thread, components in steel, metric

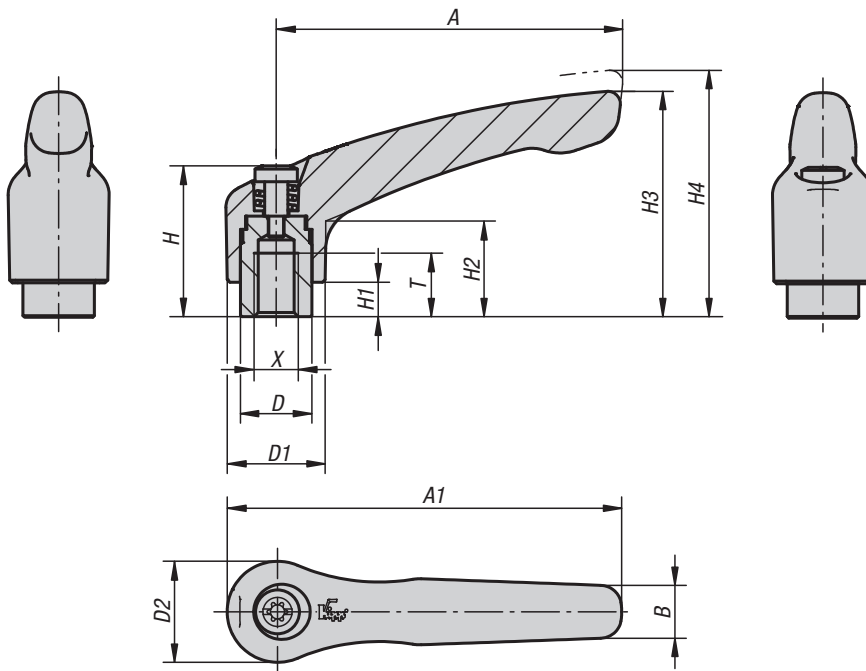
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0122.004ΔX	0	M4	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.005ΔX	0	M5	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/35/40/45/50
K0122.105ΔX	1	M5	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/35/40/45/50
K0122.106ΔX	1	M6	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/35/40/45/50
K0122.206ΔX	2	M6	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.208ΔX	2	M8	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.210ΔX	2	M10	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/35/40/45/50/55/60
K0122.308ΔX	3	M8	16	21	22	37	10	24	54,5	58,5	80	91	11	22	15/20/25/30/35/40/45/50/55/60
K0122.310ΔX	3	M10	16	21	22	37	10	24	54,5	58,5	80	91	11	22	15/20/25/30/35/40/45/50/55/60
K0122.410ΔX	4	M10	19	27	27,5	43	10	27	63	67,5	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0122.412ΔX	4	M12	19	27	27,5	43	10	27	63	67,5	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0122.512ΔX	5	M12	23	31	32	49	12	31,5	73	77,5	110	126	15	26	25/30/35/40/45/50/55/60/70/80/90
K0122.516ΔX	5	M16	23	31	32	49	12	31,5	73	77,5	110	126	15	26	25/30/35/40/45/50/55/60/70/80/90

Adjustable Handles

Modern Design Style, Zinc, inserts and internal components stainless steel, internal thread



INCH Parts
METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:

Handle powder-coated, except high-polished chromium plated versions, steel parts natural finish

Part Number Example:

K0123.0AD1
(handle color black satin finish)

Note:

Δ Add the desired handle color here

On request:

Other internal threads, colors and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.



<p>black satin finish Δ = 1</p> 	<p>orange Δ = 2</p>  <p>RAL 2004</p>	<p>ruby red Δ = 27</p>  <p>RAL 3003</p>	<p>silver metallic Δ = 3</p> 	<p>high-polish chromium-plated Δ = 6</p> 
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Adjustable Handles

Modern Design Style, Zinc, inserts and internal components stainless steel, internal thread



KIPP Adjustable Handles, Modern Design Style, Zinc, with internal thread, components in stainless steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0123.0A0Δ	0	6-32	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.0AEΔ	0	8-32	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.0A0Δ	0	10-24	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.0A1Δ	0	10-32	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.0A2Δ	0	1/4-20	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.1A0Δ	1	10-24	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.1A1Δ	1	10-32	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.1A2Δ	1	1/4-20	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.2A2Δ	2	1/4-20	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.2A3Δ	2	5/16-18	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.3A3Δ	3	5/16-18	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0123.3A4Δ	3	3/8-16	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0123.4A4Δ	4	3/8-16	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0123.4A5Δ	4	1/2-13	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0123.5A5Δ	5	1/2-13	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0123.5A6Δ	5	5/8-11	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

KIPP Adjustable Handles, Modern Design Style, Zinc, with internal thread, components in stainless steel, metric

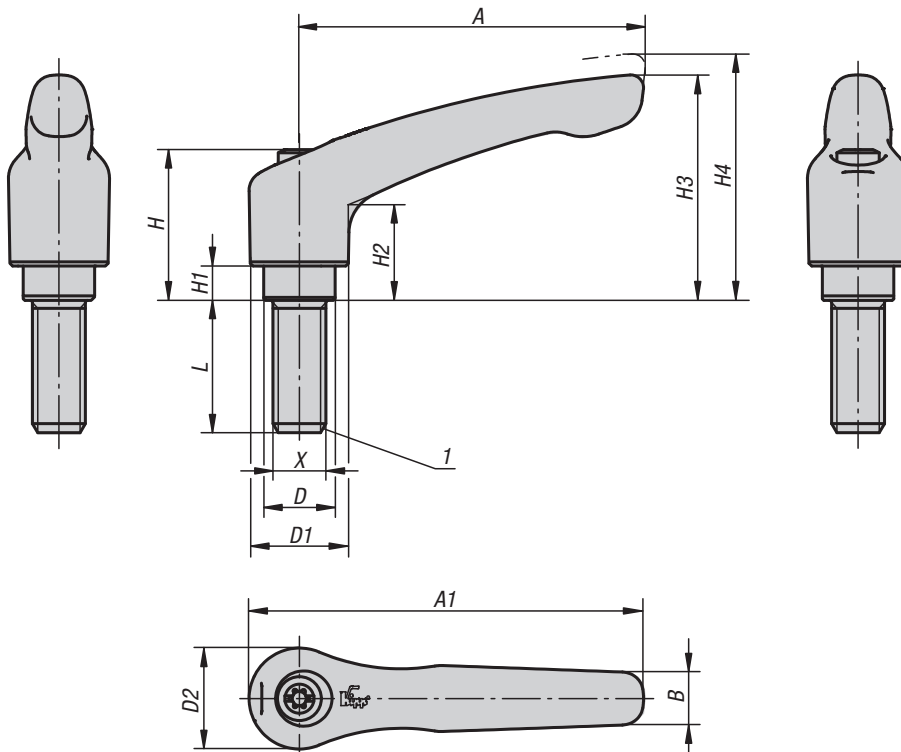
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0123.003Δ	0	M3	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.004Δ	0	M4	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.005Δ	0	M5	9	10	13	14	24,5	4	14,5	30	33	30	37	7	16
K0123.104Δ	1	M4	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.105Δ	1	M5	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.106Δ	1	M6	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0123.206Δ	2	M6	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.208Δ	2	M8	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.308Δ	3	M8	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0123.310Δ	3	M10	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0123.410Δ	4	M10	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0123.412Δ	4	M12	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0123.512Δ	5	M12	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0123.516Δ	5	M16	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

Adjustable Handles

Modern Design Style, Zinc, bolts and internal components in stainless steel, external thread



INCH Parts METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:

Handle powder-coated, except high-polished chromium plated versions, steel parts natural finish

Part Number Example:

K0123.0AE1X10
(handle color black satin finish;
include length L)

Note:

Δ Add the desired handle color here

On request:

Other external threads, screw lengths, colors and special versions.
Dimension „H1“ can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



black satin finish Δ = 1 	orange Δ = 2 RAL 2004 	ruby red Δ = 27 RAL 3003 	silver metallic Δ = 3 	high-polish chromium-plated Δ = 6 
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Adjustable Handles

Modern Design Style, Zinc, bolts and internal components in stainless steel, external thread



KIPP Adjustable Handles, Modern Design Style, Zinc, with external thread, components in stainless steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0123.0AEΔX	0	8-32	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25
K0123.0A0ΔX	0	10-24	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25
K0123.0A1ΔX	0	10-32	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25
K0123.0A2ΔX	0	1/4-20	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25/30/40/50
K0123.1A0ΔX	1	10-24	10	13	14	24,5	4	14,5	31	34	40	47	7	16	15/20/25
K0123.1A1ΔX	1	10-32	10	13	14	24,5	4	14,5	31	34	40	47	7	16	15/20/25
K0123.1A2ΔX	1	1/4-20	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/40/50
K0123.2A2ΔX	2	1/4-20	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/40/50/60
K0123.2A3ΔX	2	5/16-18	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/40/50/60
K0123.2A4ΔX	2	3/8-16	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	20/25/30/40/50/60
K0123.3A3ΔX	3	5/16-18	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0123.3A4ΔX	3	3/8-16	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0123.4A5ΔX	4	1/2-13	19	27	27,5	43	10	27	63	67,5	95	109	13	24	25/30/40/50/60
K0123.5A6ΔX	5	5/8-11	23	31	32	49	12	31,5	73	77,5	110	126	15	26	30/40/50/60

KIPP Adjustable Handles, Modern Design Style, Zinc, with external thread, components in stainless steel, metric

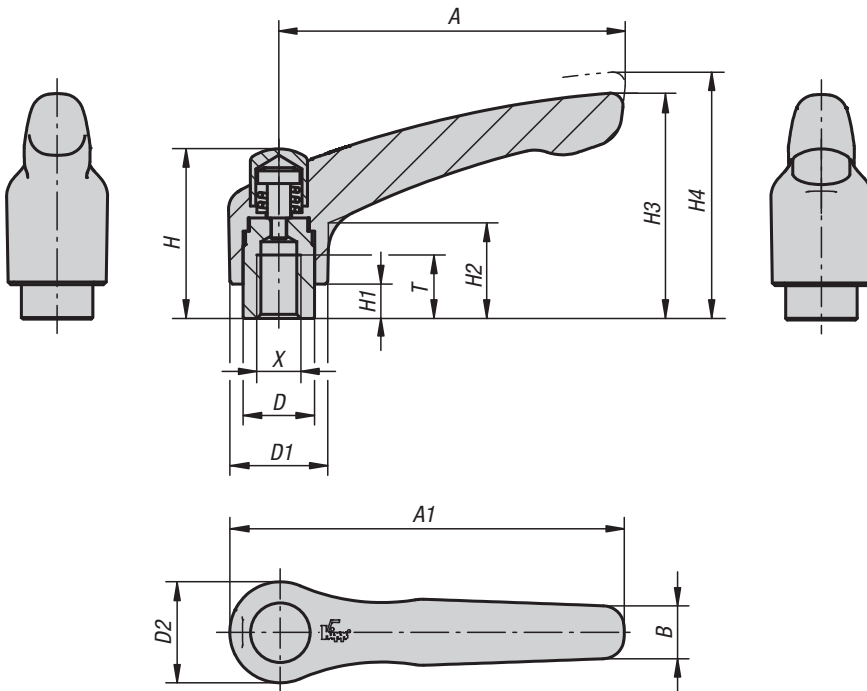
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0123.004ΔX	0	M4	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25
K0123.005ΔX	0	M5	10	13	14	24,5	4	14,5	30	33	30	37	7	16	10/15/20/25
K0123.105ΔX	1	M5	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25
K0123.106ΔX	1	M6	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/40/50
K0123.206ΔX	2	M6	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/40/50/60
K0123.208ΔX	2	M8	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	15/20/25/30/40/50/60
K0123.210ΔX	2	M10	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	9,5	20	20/25/30/40/50/60
K0123.308ΔX	3	M8	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0123.310ΔX	3	M10	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0123.412ΔX	4	M12	19	27	27,5	43	10	27	63	67,5	95	109	13	24	25/30/40/50/60
K0123.516ΔX	5	M16	23	31	32	49	12	31,5	73	77,5	110	126	15	26	30/40/50/60

Adjustable Handles with protective cap

Modern Design Style, Zinc, inserts and internal components in steel, internal thread



INCH Parts
METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.
Protective cap stainless steel, 1.4305.

Type:

Handle powder-coated;
steel parts black oxide finish;
protective cap in stainless steel, natural finish

Part Number Example:

K0122.92A21

Note:

Standard colors are:
black satin finish, orange RAL 2004.

On request:

Other internal threads, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

lift to disengage



Adjustable Handles with protective cap

Modern Design Style, Zinc, inserts and internal components in steel, internal thread



KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in steel, internal thread, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0122.92A21	K0122.92A22	2	1/4-20	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.92A31	K0122.92A32	2	5/16-18	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.93A31	K0122.93A32	3	5/16-18	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
K0122.93A41	K0122.93A42	3	3/8-16	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in steel, internal thread, metric

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0122.92061	K0122.92062	2	M6	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.92081	K0122.92082	2	M8	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0122.93081	K0122.93082	3	M8	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
K0122.93101	K0122.93102	3	M10	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

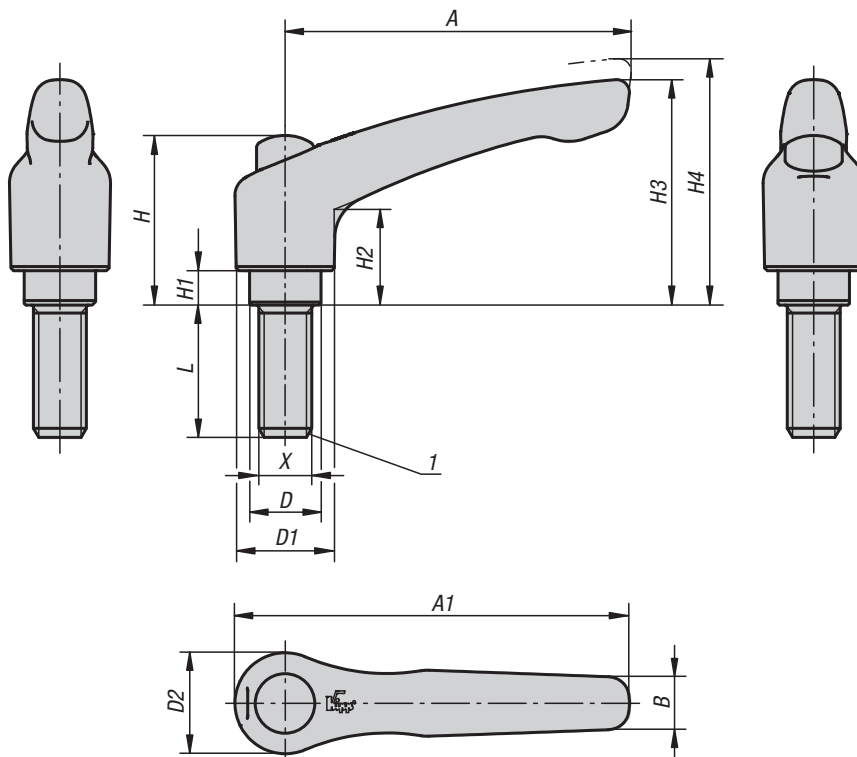
Adjustable Handles with protective cap

Modern Design Style, Zinc, bolts and internal components in steel, external thread



INCH
Parts

METRIC
Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.
Protective cap stainless steel, 1.4305.

Type:

Handle powder-coated;
steel parts black oxide finish;
protective cap stainless steel, natural finish

Part Number Example:

K0122.92A21X15
(include length L)

Note:

Standard colors are:
black satin finish, orange RAL 2004.

On request:

Other internal threads, colors and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78

lift to
disengage



Adjustable Handles with protective cap

Modern Design Style, Zinc, bolts and internal components in steel, external thread



KIPP Measurements, external thread

Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
2	1/4-20 ; 5/16-18 ; 3/8-16	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
3	5/16-18 ; 3/8-16	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
2	M6 ; M8 ; M10	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
3	M8 ; M10	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in steel, external thread, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0122.92A21X	K0122.92A22X	2	1/4-20	15/20/25/30/35/40/45/50/55/60
K0122.92A31X	K0122.92A32X	2	5/16-18	15/20/25/30/35/40/45/50/55/60
K0122.92A41X	K0122.92A42X	2	3/8-16	15/20/25/30/35/40/45/50/55/60
K0122.93A31X	K0122.93A32X	3	5/16-18	15/20/25/30/35/40/45/50/55/60
K0122.93A41X	K0122.93A42X	3	3/8-16	15/20/25/30/35/40/45/50/55/60

KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in steel, external thread, metric

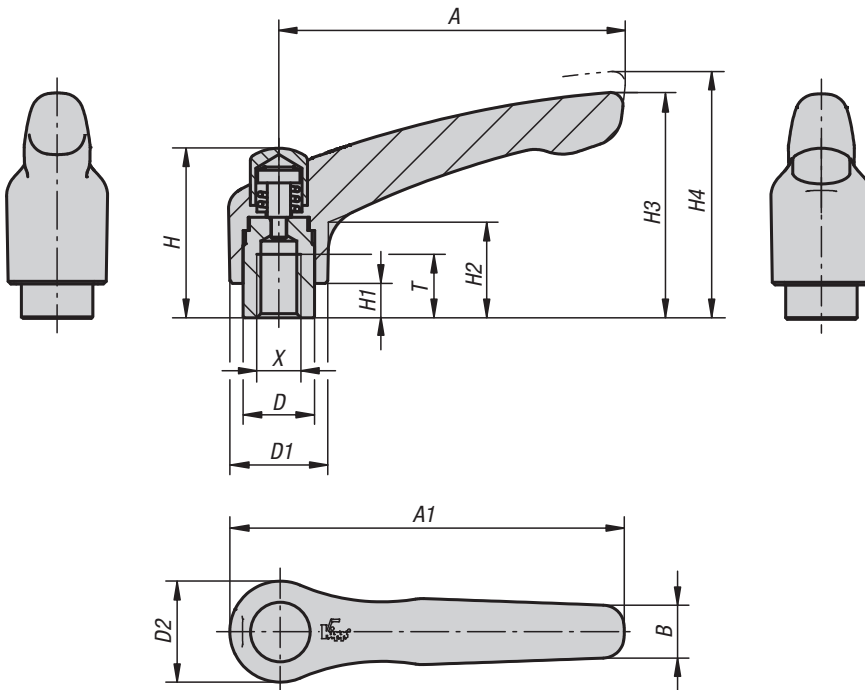
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0122.92061X	K0122.92062X	2	M6	15/20/25/30/35/40/45/50/55/60
K0122.92081X	K0122.92082X	2	M8	15/20/25/30/35/40/45/50/55/60
K0122.92101X	K0122.92102X	2	M10	15/20/25/30/35/40/45/50/55/60
K0122.93081X	K0122.93082X	3	M8	15/20/25/30/35/40/45/50/55/60
K0122.93101X	K0122.93102X	3	M10	15/20/25/30/35/40/45/50/55/60

Adjustable Handles with protective cap

Modern Design Style, Zinc, inserts and internal components in stainless steel, internal thread



INCH Parts METRIC Parts



Material:

Handle in die cast zinc to DIN EN 12844; steel parts in stainless steel, 1.4305; protective cap in stainless steel, 1.4305

Type:

Handle powder-coated; steel parts natural finish; protective cap stainless steel, natural finish

Part Number Example:

K0123.92A21

Note:

Standard colors are: black satin finish, orange RAL 2004.

On request:

Other internal threads, colors and special versions. Dimension "H1" can be produced in other lengths at an additional charge.



Adjustable Handles with protective cap

Modern Design Style, Zinc, inserts and internal components in stainless steel, internal thread



KIPP Adjustable Handles with protective cap, inserts and internal components in stainless steel, internal thread, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0123.92A21	K0123.92A22	2	1/4-20	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.92A31	K0123.92A32	2	5/16-18	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.93A31	K0123.93A32	3	5/16-18	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
K0123.93A41	K0123.93A42	3	3/8-16	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

KIPP Adjustable Handles with protective cap, inserts and internal components in stainless steel, internal thread, metric

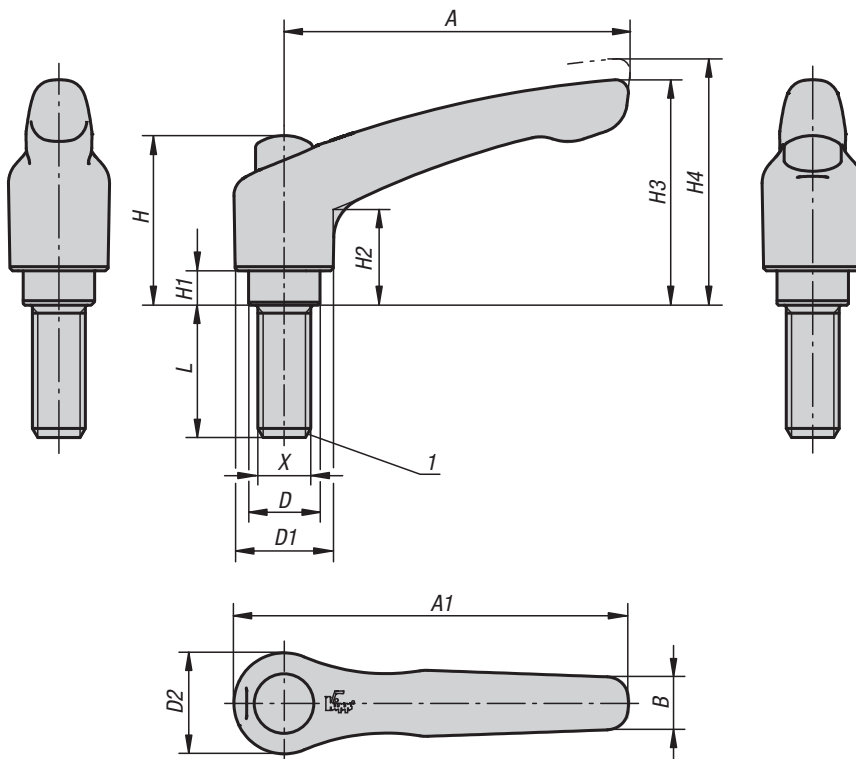
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0123.92061	K0123.92062	2	M6	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.92081	K0123.92082	2	M8	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
K0123.93081	K0123.93082	3	M8	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
K0123.93101	K0123.93102	3	M10	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

Adjustable Handles with protective cap

Modern Design Style, Zinc, bolts and internal components in stainless steel, external thread



INCH Parts METRIC Parts



Material:

Handle in die cast zinc to DIN EN 12844; steel parts in stainless steel, 1.4305; protective cap in stainless steel, 1.4305

Type:

Handle powder-coated; steel parts natural finish; protective cap stainless steel, natural finish

Part Number Example:

K0123.92A21X15
(include length L)

Note:

Standard colors are: black satin finish, orange RAL 2004.

On request:

Other external threads, screw lengths, colors and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78

lift to disengage



Adjustable Handles with protective cap

Modern Design Style, Zinc, bolts and internal components in stainless steel, external thread



KIPP Measurements, external thread

Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
2	1/4-20 ; 5/16-18 ; 3/8-16 ; 5/16-18	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
3	5/16-18 ; 3/8-16	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
2	M6 ; M8 ; M10	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	9,5	20
3	M8 ; M10	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in stainless steel, external thread, inch

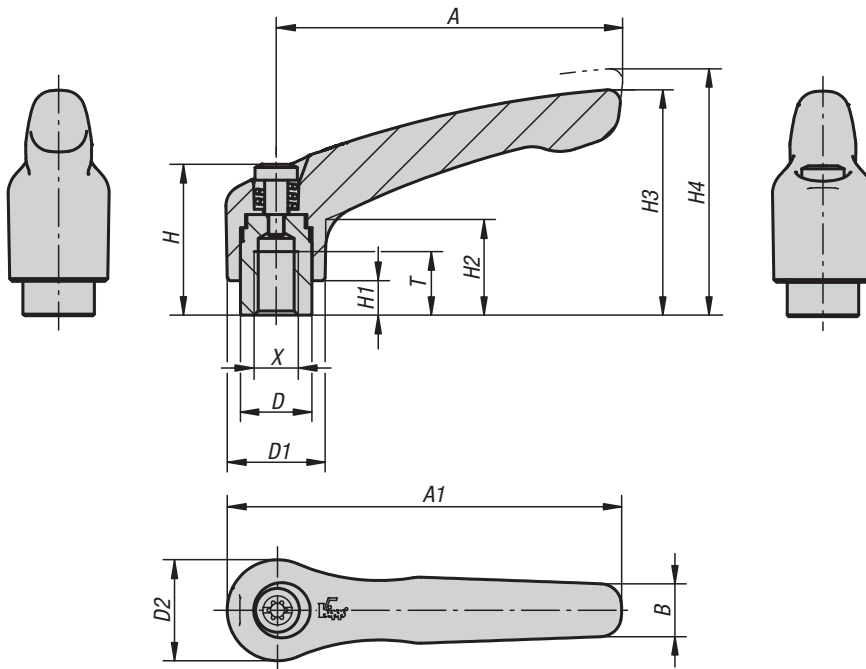
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0123.92A21X	K0123.92A22X	2	1/4-20	15/20/25/30/40/50/60
K0123.92A31X	K0123.92A32X	2	5/16-18	15/20/25/30/40/50/60
K0123.92A41X	K0123.92A42X	2	3/8-16	20/25/30/40/50/60
K0123.93A31X	K0123.93A32X	3	5/16-18	20/25/30/40/50/60
K0123.93A41X	K0123.93A42X	3	3/8-16	20/25/30/40/50/60

KIPP Adjustable Handles with protective cap, Zinc, bolts and internal components in stainless steel, external thread, metric

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0123.92061X	K0123.92062X	2	M6	15/20/25/30/40/50/60
K0123.92081X	K0123.92082X	2	M8	15/20/25/30/40/50/60
K0123.92101X	K0123.92102X	2	M10	20/25/30/40/50/60
K0123.93081X	K0123.93082X	3	M8	20/25/30/40/50/60
K0123.93101X	K0123.93102X	3	M10	20/25/30/40/50/60

Adjustable Handles

Modern Design Style, stainless steel, internal thread



Material:

Handle in precision cast 1.4308, other steel parts 1.4305

Type:

Handle electrolytic polished. Steel parts natural finish.

Part Number Example:

K0124.1A0

On request:

Other internal threads and special versions. Dimension "H1" can be produced in other lengths at an additional charge.



Adjustable Handles

Modern Design Style, stainless steel, internal thread



KIPP Adjustable Handles, Modern Design Style, stainless steel, internal thread, inch

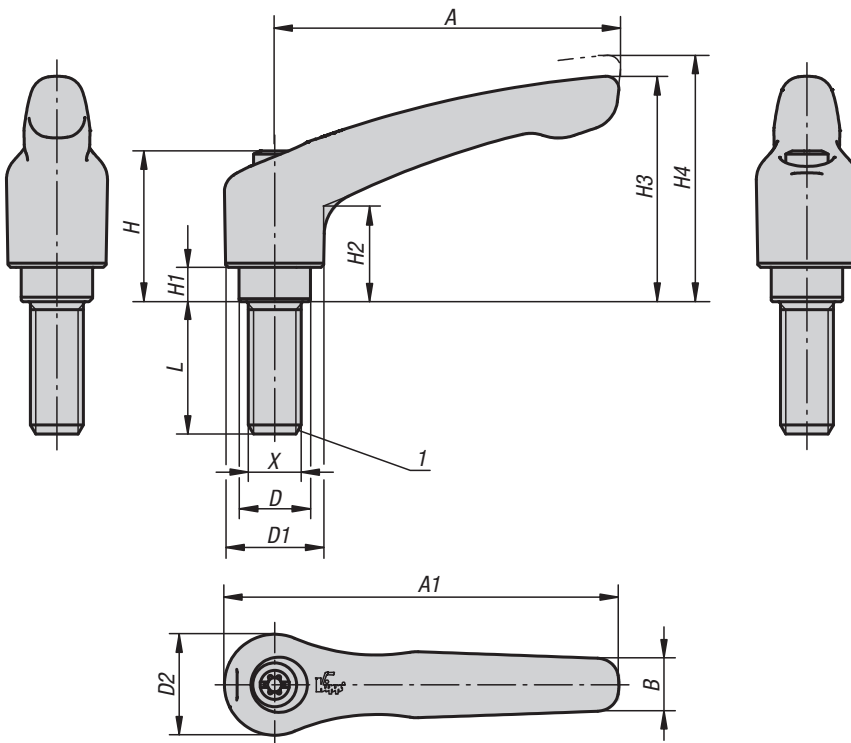
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0124.1A0	1	10-24	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.1A1	1	10-32	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.1A2	1	1/4-20	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.2A2	2	1/4-20	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.2A3	2	5/16-18	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.3A3	3	5/16-18	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0124.3A4	3	3/8-16	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0124.4A4	4	3/8-16	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0124.4A5	4	1/2-13	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0124.5A5	5	1/2-13	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0124.5A6	5	5/8-11	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

KIPP Adjustable Handles, Modern Design Style, stainless steel, internal thread, metric

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0124.104	1	M4	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.105	1	M5	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.106	1	M6	9	10	13	14	24,5	4	14,5	31	34	40	47	7	16
K0124.206	2	M6	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.208	2	M8	12	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.308	3	M8	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0124.310	3	M10	14	16	21	22	37	10	24	54,5	58,5	80	91	11	22
K0124.410	4	M10	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0124.412	4	M12	17	19	27	27,5	43	10	27	63	67,5	95	109	13	24
K0124.512	5	M12	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26
K0124.516	5	M16	23	23	31	32	49	12	31,5	73	77,5	110	126	15	26

Adjustable Handles

Modern Design Style, stainless steel, external thread



Material:

Handle in precision cast 1.4308, other steel parts 1.4305.

Type:

Handle electrolytic polished. Steel parts natural finish.

Part Number Example:

K0124.1A0X10 (include length L)

On request:

Other external threads, screw lengths and special versions. Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78

lift to disengage



Adjustable Handles

Modern Design Style, stainless steel, external thread



KIPP Adjustable Handles, Modern Design Style, stainless steel, external thread, inch

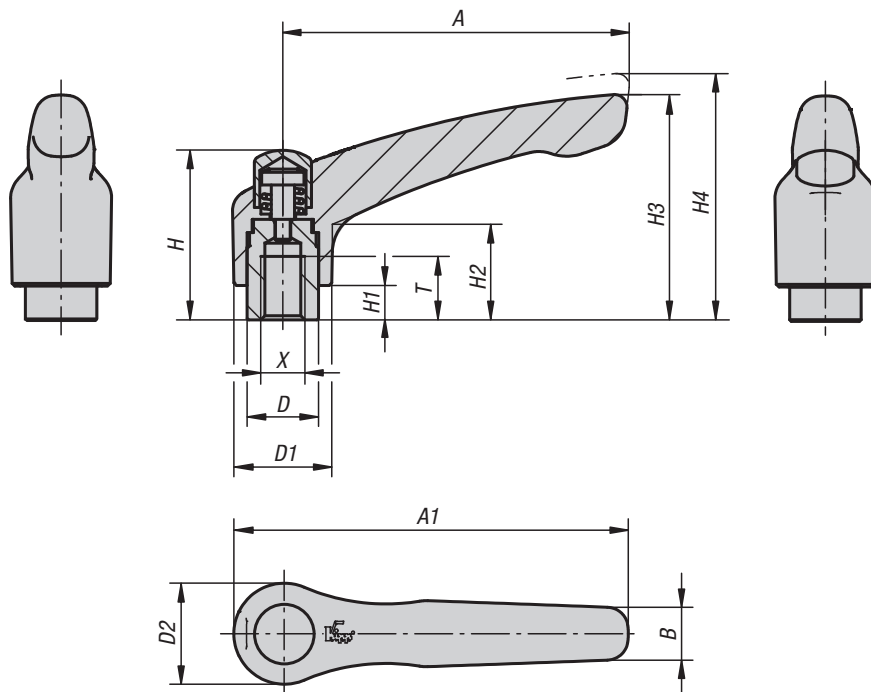
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0124.1A0X	1	10-24	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25
K0124.1A1X	1	10-32	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25
K0124.1A2X	1	1/4-20	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/40/50
K0124.2A2X	2	1/4-20	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.2A3X	2	5/16-18	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.2A4X	2	3/8-16	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	20/25/30/40/50/60
K0124.3A3X	3	5/16-18	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0124.3A4X	3	3/8-16	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0124.4A5X	4	1/2-13	19	27	27,5	43	10	27	63	67,5	95	109	13	24	25/30/40/50/60
K0124.5A6X	5	5/8-11	23	31	32	49	12	31,5	73	77,5	110	126	15	26	30/40/50/60

KIPP Adjustable Handles, Modern Design Style, stainless steel, external thread, metric

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0124.105X	1	M5	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25
K0124.106X	1	M6	10	13	14	24,5	4	14,5	31	34	40	47	7	16	10/15/20/25/30/40/50
K0124.206X	2	M6	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.208X	2	M8	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.210X	2	M10	13,5	18,5	19	28,5	6,5	17,5	42,5	45,5	65	74,5	10	20	20/25/30/40/50/60
K0124.308X	3	M8	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0124.310X	3	M10	16	21	22	37	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0124.412X	4	M12	19	27	27,5	43	10	27	63	67,5	95	109	13	24	25/30/40/50/60
K0124.516X	5	M16	23	31	32	49	12	31,5	73	77,5	110	126	15	26	30/40/50/60

Adjustable Handles with protective cap

Modern Design Style, stainless steel, internal thread



Material:

Handle in precision cast 1.4308, other steel parts 1.4305.

Type:

Handle electrolytic polished. Steel parts natural finish.

Part Number Example:

K0124.92A2

On request:

Other internal threads and special versions. Dimension "H1" can be produced in other lengths at an additional charge.



KIPP Adjustable Handles with protective cap, Modern Design Style, stainless steel, internal thread, inch

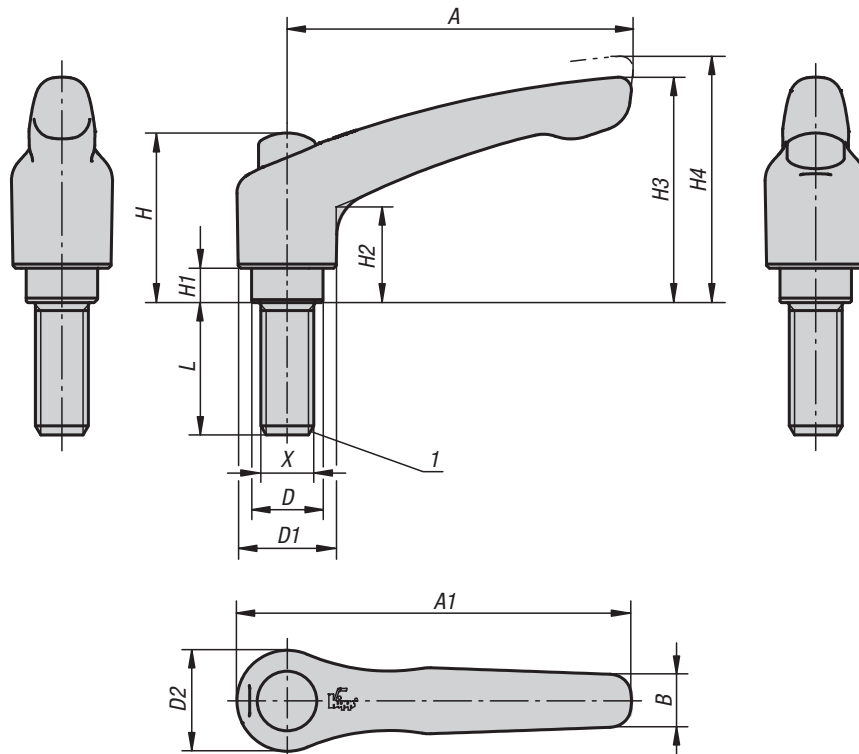
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0124.92A2	2	1/4-20	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	10
K0124.92A3	2	5/16-18	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	10
K0124.93A3	3	5/16-18	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	11
K0124.93A4	3	3/8-16	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	11

KIPP Adjustable Handles with protective cap, Modern Design Style, stainless steel, internal thread, metric

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0124.9206	2	M6	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.9208	2	M8	12	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	20
K0124.9308	3	M8	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22
K0124.9310	3	M10	14	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22

Adjustable Handles with protective cap

Modern Design Style, stainless steel, external thread



Material:

Handle in precision cast 1.4308, other steel parts 1.4305.

Type:

Handle electrolytic polished. Steel parts natural finish.

Part Number Example:

K0124.92A2X15
(include length L)

On request:

Other external threads, screw lengths and special versions. Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



KIPP Adjustable Handles with protective cap, Modern Design Style, stainless steel, external thread, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0124.92A2X	2	1/4-20	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	10	15/20/25/30/40/50/60
K0124.92A3X	2	5/16-18	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	10	15/20/25/30/40/50/60
K0124.92A4X	2	3/8-16	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	10	20/25/30/40/50/60
K0124.93A3X	3	5/16-18	16	21	22	41,5	10	24	54,5	58,5	80	91	11	11	20/25/30/40/50/60
K0124.93A4X	3	3/8-16	16	21	22	41,5	10	24	54,5	58,5	80	91	11	11	20/25/30/40/50/60

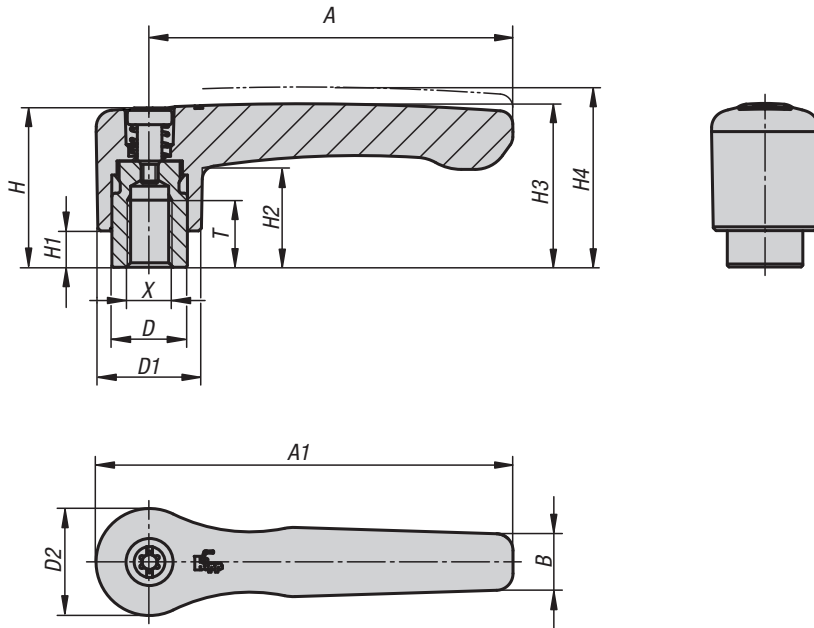
KIPP Adjustable Handles with protective cap, Modern Design Style, stainless steel, external thread, metric

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0124.9206X	2	M6	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.9208X	2	M8	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	20	15/20/25/30/40/50/60
K0124.9210X	2	M10	13,5	18,5	19	32	6,5	17,5	42,5	45,5	65	74,5	10	20	20/25/30/40/50/60
K0124.9308X	3	M8	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60
K0124.9310X	3	M10	16	21	22	41,5	10	24	54,5	58,5	80	91	11	22	20/25/30/40/50/60

Adjustable Handles straight

inserts and internal components steel, internal thread

INCH Parts METRIC Parts



Material:
Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:
Handle powder-coated.
Steel parts black oxide finish.

Part Number Example:
K0737.2061

Note:
Standard colors are:
black satin finish, orange RAL 2004.

On request:
Other internal threads, colors and special versions.
Dimension "H1" available in other lengths at an additional charge.



KIPP Adjustable Handles straight, internal thread, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D2	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0737.2A21	K0737.2A22	2	1/4-20	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0737.2A31	K0737.2A32	2	5/16-18	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0737.3A31	K0737.3A32	3	5/16-18	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
K0737.3A41	K0737.3A42	3	3/8-16	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

KIPP Adjustable Handles straight, internal thread, metric

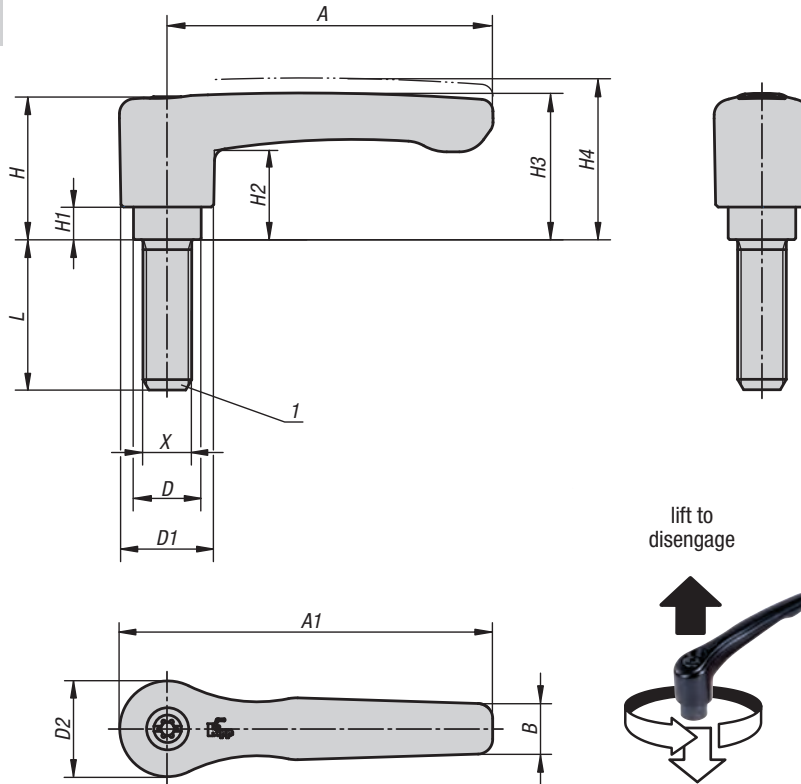
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D2	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0737.2061	K0737.2062	2	M6	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0737.2081	K0737.2082	2	M8	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0737.3081	K0737.3082	3	M8	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
K0737.3101	K0737.3102	3	M10	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

Adjustable Handles straight

bolts and internal components in steel, external thread



INCH Parts
METRIC Parts



Material:
Handle die-cast zinc DIN EN 12844.
Steel parts quality class 5.8.

Type:
Handle powder-coated.
Steel parts black oxide finish.

Part Number Example:
K0737.2061X15 (include length L)

Note:
Standard colors are:
black satin finish, orange RAL 2004.

On request:
Other external threads, screw lengths, colors
and special versions.
Dimension "H1" available in other lengths at
an additional charge.

Drawing reference:
1) flat point DIN 78

KIPP Measurements, external thread

Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
2	1/4-20 ; 5/16-18 ; 3/8-16	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
3	5/16-18 ; 3/8-16	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
2	M6 ; M8 ; M10	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
3	M8 ; M10	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

KIPP Adjustable Handles straight, external thread, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0737.2A21X	K0737.2A22X	2	1/4-20	15/20/25/30/35/40/45/50/55/60
K0737.2A31X	K0737.2A32X	2	5/16-18	15/20/25/30/35/40/45/50/55/60
K0737.2A41X	K0737.2A42X	2	3/8-16	15/20/25/30/35/40/45/50/55/60
K0737.3A31X	K0737.3A32X	3	5/16-18	15/20/25/30/35/40/45/50/55/60
K0737.3A41X	K0737.3A42X	3	3/8-16	15/20/25/30/35/40/45/50/55/60

KIPP Adjustable Handles straight, external thread, metric

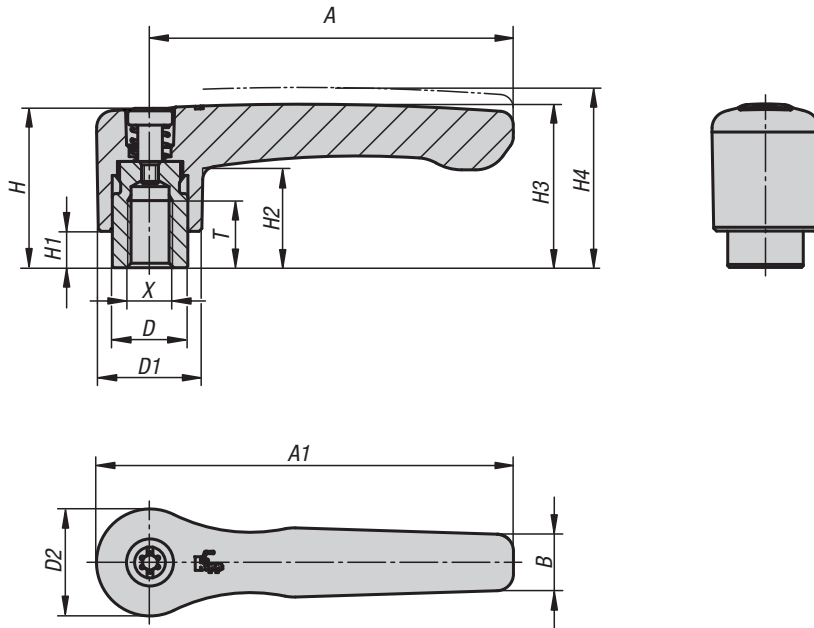
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0737.2061X	K0737.2062X	2	M6	15/20/25/30/35/40/45/50/55/60
K0737.2081X	K0737.2082X	2	M8	15/20/25/30/35/40/45/50/55/60
K0737.2101X	K0737.2102X	2	M10	15/20/25/30/35/40/45/50/55/60
K0737.3081X	K0737.3082X	3	M8	15/20/25/30/35/40/45/50/55/60
K0737.3101X	K0737.3102X	3	M10	15/20/25/30/35/40/45/50/55/60

Adjustable Handles straight

inserts and internal components stainless steel, internal thread



INCH Parts METRIC Parts



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:

Handle powder-coated,
steel parts natural finish.

Part Number Example:

K0738.2061

Note:

Standard colors are:
black satin finish, orange RAL 2004.

On request:

Other internal threads, colors and special versions.
Dimension "H1" available in other lengths at an additional charge.



KIPP Adjustable Handles straight, internal thread, stainless steel, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0738.2A21	K0738.2A22	2	1/4-20	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0738.2A31	K0738.2A32	2	5/16-18	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0738.3A31	K0738.3A32	3	5/16-18	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
K0738.3A41	K0738.3A42	3	3/8-16	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

KIPP Adjustable Handles straight, internal thread, stainless steel, metric

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0738.2061	K0738.2062	2	M6	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0738.2081	K0738.2082	2	M8	12	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
K0738.3081	K0738.3082	3	M8	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
K0738.3101	K0738.3102	3	M10	14	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

Adjustable Handles straight

bolts and internal components stainless steel, external thread



Material:

Handle die-cast zinc DIN EN 12844.
Steel parts stainless steel 1.4305.

Type:

Handle powder-coated,
steel parts natural finish.

Part Number Example:

K0738.2061X15 (include length L)

Note:

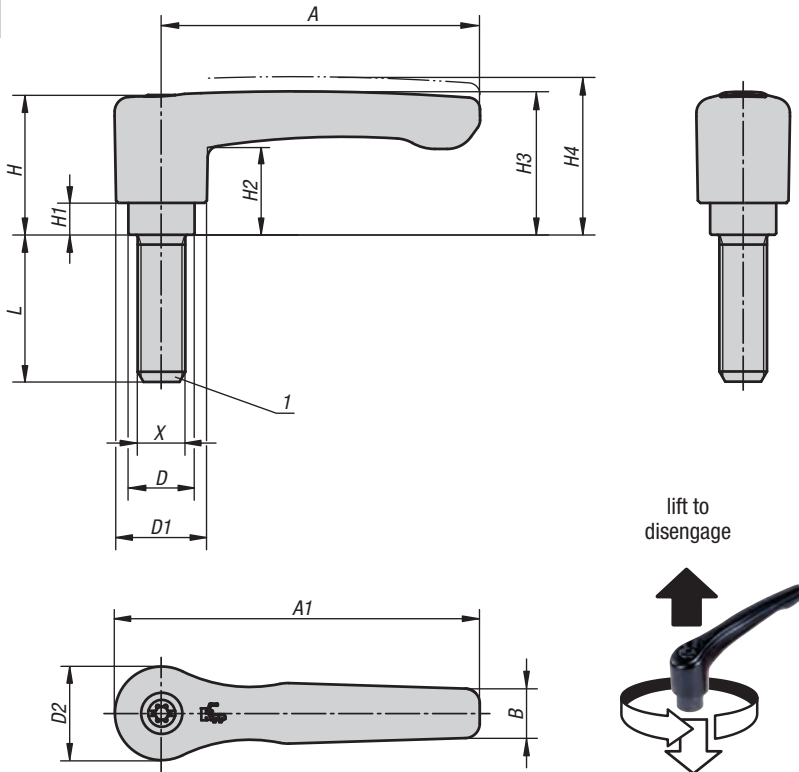
Standard colors are:
black satin finish, orange RAL 2004.

On request:

Other external threads, screw lengths, colors
and special versions.
Dimension "H1" available in other lengths at
an additional charge.

Drawing reference:

1) flat point DIN 78



KIPP Measurements, external thread

Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
2	1/4-20 ; 5/16-18 ; 3/8-16	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
3	5/16-18 ; 3/8-16	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22
2	M6 ; M8 ; M10	13,5	18,5	19,1	28,5	6,5	17,8	29,2	32,2	65	74,5	10,1	20
3	M8 ; M10	16	21,2	22	37	10	23,8	38	42	80	91	11,7	22

KIPP Adjustable Handles straight, external thread, stainless steel, inch

Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0738.2A21X	K0738.2A22X	2	1/4-20	15/20/25/30/40/50/60
K0738.2A31X	K0738.2A32X	2	5/16-18	15/20/25/30/40/50/60
K0738.2A41X	K0738.2A42X	2	3/8-16	20/25/30/40/50/60
K0738.3A31X	K0738.3A32X	3	5/16-18	20/25/30/40/50/60
K0738.3A41X	K0738.3A42X	3	3/8-16	20/25/30/40/50/60

KIPP Adjustable Handles straight, external thread, stainless steel, metric

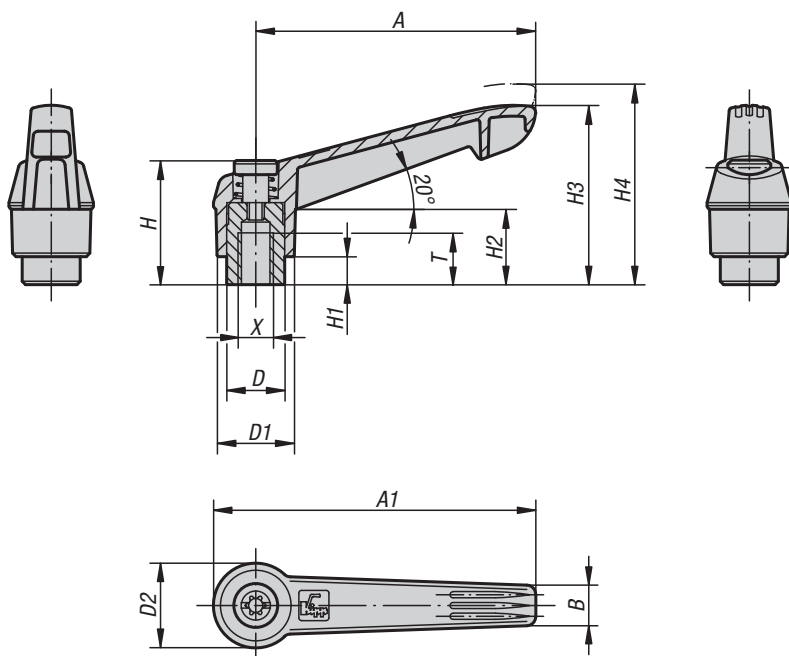
Item No. Black satin finish	Item No. Pure orange RAL 2004	Size	X	L
K0738.2061X	K0738.2062X	2	M6	15/20/25/30/40/50/60
K0738.2081X	K0738.2082X	2	M8	15/20/25/30/40/50/60
K0738.2101X	K0738.2102X	2	M10	20/25/30/40/50/60
K0738.3081X	K0738.3082X	3	M8	20/25/30/40/50/60
K0738.3101X	K0738.3102X	3	M10	20/25/30/40/50/60

Adjustable Handles

Modern Design Style, plastic, inserts and internal components steel, internal thread



INCH Parts METRIC Parts



For many people the Novo-Grip Adjustable Handle represents the key to secure and comfortable gripping. This handle provides a future-oriented and powerful solution for almost any operating and clamping problem.

Material:

Handle fiberglass reinforced plastic with toothed wheel in die cast zinc. Steel parts quality class 5.8.

Type:

Steel parts black oxide finish.

Part Number Example:

K0269.1AE86 (handle color signal green)

Note:







Δ Add the desired handle color here

On request:

Other internal threads and special versions. Dimension "H1" can be produced in other lengths at an additional charge.

lift to disengage



black gray Δ = 1	orange Δ = 2	signal green Δ = 86	traffic red Δ = 84	bright yellow Δ = 16	traffic blue Δ = 87
					
RAL 7021	RAL 2004	RAL 6032	RAL 3020	RAL 1021	RAL 5017

Adjustable Handles

Modern Design Style, plastic, inserts and internal components steel, internal thread



KIPP Adjustable Handles, Modern Design Style, with internal thread, components in steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0269.1AEΔ	1	8-32	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.1A0Δ	1	10-24	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.1A1Δ	1	10-32	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.1A2Δ	1	1/4-20	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.2A2Δ	2	1/4-20	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.2A3Δ	2	5/16-18	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.3A3Δ	3	5/16-18	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0269.3A4Δ	3	3/8-16	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0269.4A4Δ	4	3/8-16	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0269.4A5Δ	4	1/2-13	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0269.5A5Δ	5	1/2-13	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26
K0269.5A6Δ	5	5/8-11	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26

KIPP Adjustable Handles, Modern Design Style with internal thread, components in steel, metric

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0269.104Δ	1	M4	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.105Δ	1	M5	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.106Δ	1	M6	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0269.206Δ	2	M6	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.208Δ	2	M8	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.308Δ	3	M8	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0269.310Δ	3	M10	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0269.410Δ	4	M10	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0269.412Δ	4	M12	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0269.512Δ	5	M12	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26
K0269.516Δ	5	M16	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26

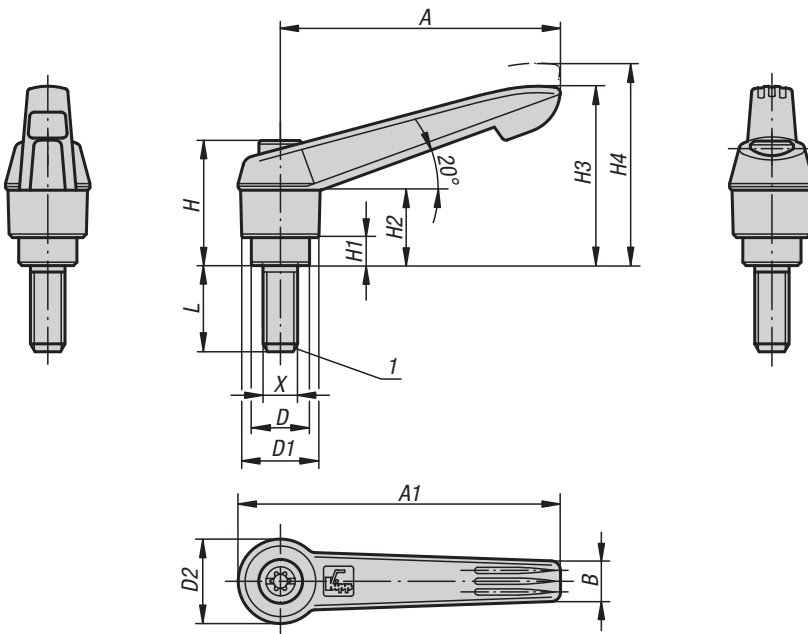
Adjustable Handles

Modern Design Style, plastic, bolts and internal components in steel, external thread



INCH
Parts

METRIC
Parts



For many people the Novo-Grip Adjustable Handle represents the key to secure and comfortable gripping. This handle provides a future-oriented and powerful solution for almost any operating and clamping problem.

Material:

Handle fiberglass reinforced plastic with toothed wheel in die cast zinc.
Steel parts quality class 5.8.

Type:

Steel parts black oxide finish.

Part Number Example:

K0269.1A01X10
(handle black gray;
include length L)

Note:

Δ Add the desired handle color here

On request:

Other external threads, screw lengths and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

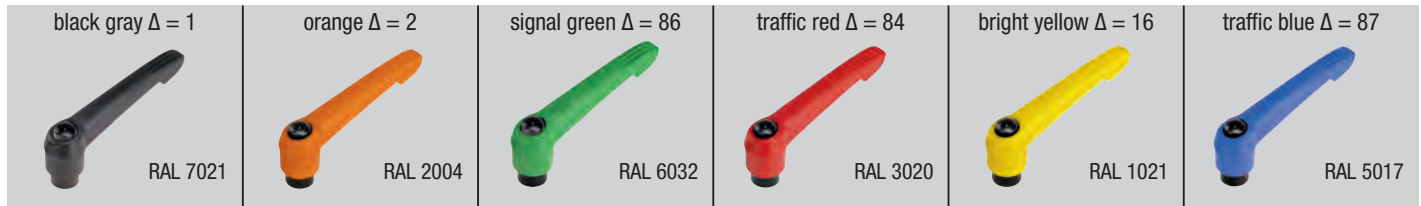
1) flat point DIN 78

lift to
disengage



Adjustable Handles

Modern Design Style, plastic, bolts and internal components in steel, external thread



KIPP Adjustable Handles, Modern Design Style, with external thread, components in steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0269.1A0ΔX	1	10-24	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.1A1ΔX	1	10-32	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.1A2ΔX	1	1/4-20	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.2A2ΔX	2	1/4-20	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.2A3ΔX	2	5/16-18	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.2A4ΔX	2	3/8-16	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.3A3ΔX	3	5/16-18	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.3A4ΔX	3	3/8-16	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.4A4ΔX	4	3/8-16	19	25,5	27,5	43	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.4A5ΔX	4	1/2-13	19	25,5	27,5	43	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.5A5ΔX	5	1/2-13	23	30	32,5	49	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90
K0269.5A6ΔX	5	5/8-11	23	30	32,5	49	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90

KIPP Adjustable Handles, Modern Design Style, with external thread, components in steel, metric

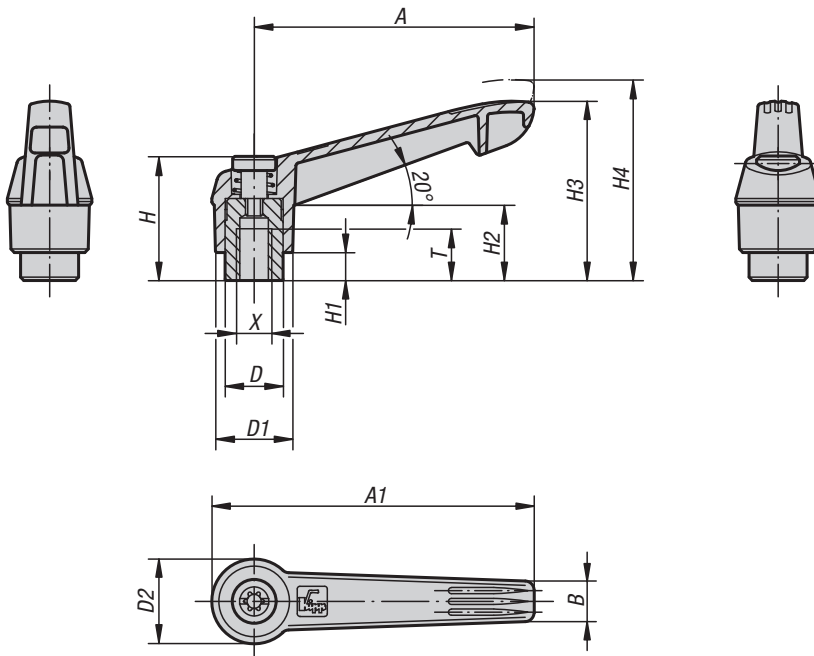
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0269.105ΔX	1	M5	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.106ΔX	1	M6	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.206ΔX	2	M6	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.208ΔX	2	M8	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.210ΔX	2	M10	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.308ΔX	3	M8	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.310ΔX	3	M10	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.410ΔX	4	M10	19	25,5	27,5	43	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.412ΔX	4	M12	19	25,5	27,5	43	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.512ΔX	5	M12	23	30	32,5	49	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90
K0269.516ΔX	5	M16	23	30	32,5	49	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90

Adjustable Handles

Modern Design Style, plastic, inserts and internal components in stainless steel, internal thread



INCH Parts METRIC Parts



For many people the Novo-Grip Adjustable Handle represents the key to secure and comfortable gripping. This handle provides a future-oriented and powerful solution for almost any operating and clamping problem.

Material:

Handle in fiberglass reinforced plastic with toothed wheel in die cast zinc; steel parts in stainless steel 1.4305

Type:

Steel parts natural finish.

Part Number Example:

K0270.1A086 (handle color signal green)

Note:

Δ Add the desired handle color here

On request:

Other internal threads and special versions. Dimension "H1" can be produced in other lengths at an additional charge.

lift to disengage



black gray Δ = 1  RAL 7021	orange Δ = 2  RAL 2004	signal green Δ = 86  RAL 6032	traffic red Δ = 84  RAL 3020	bright yellow Δ = 16  RAL 1021	traffic blue Δ = 87  RAL 5017
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Adjustable Handles

Modern Design Style, plastic, inserts and internal components in stainless steel, internal thread

KIPP Adjustable Handles, Modern Design Style, internal thread, components in stainless steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0270.1A0Δ	1	10-24	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.1A1Δ	1	10-32	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.1A2Δ	1	1/4-20	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.2A2Δ	2	1/4-20	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.2A3Δ	2	5/16-18	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.3A3Δ	3	5/16-18	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0270.3A4Δ	3	3/8-16	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0270.4A4Δ	4	3/8-16	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0270.4A5Δ	4	1/2-13	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0270.5A5Δ	5	1/2-13	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26
K0270.5A6Δ	5	5/8-11	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26

KIPP Adjustable Handles, Modern Design Style, internal thread, components in stainless steel, metric

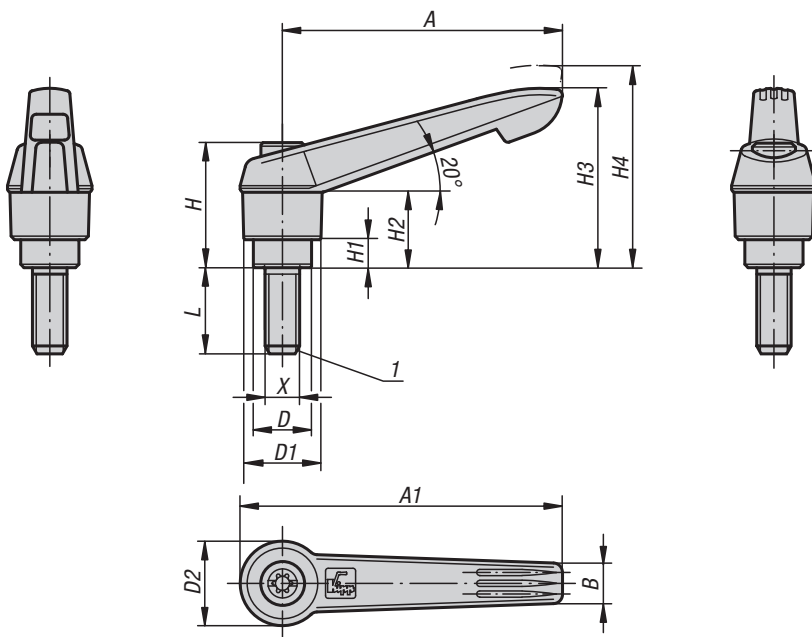
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0270.104Δ	1	M4	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.105Δ	1	M5	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.106Δ	1	M6	9	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16
K0270.206Δ	2	M6	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.208Δ	2	M8	12	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.308Δ	3	M8	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0270.310Δ	3	M10	14	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22
K0270.410Δ	4	M10	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0270.412Δ	4	M12	17	19	25,5	27,5	43	10	26	61	66	95	109	13	24
K0270.512Δ	5	M12	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26
K0270.516Δ	5	M16	23	23	30	32,5	49	12	33	72	77	110	126	15,5	26

Adjustable Handles

Modern Design Style, plastic, bolts and internal components in stainless steel, external thread



INCH Parts
METRIC Parts



For many people the Novo-Grip Adjustable Handle represents the key to secure and comfortable gripping. This handle provides a future-oriented and powerful solution for almost any operating and clamping problem.

Material:

Handle in fiberglass reinforced plastic with toothed wheel in die cast zinc; steel parts in stainless steel 1.4305

Type:

Steel parts natural finish.

Part Number Example:

K0270.1A01X15
(handle black gray;
include length L)

Note:

Δ Add the desired handle color here

On request:

Other external threads, screw lengths and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



black gray Δ = 1  RAL 7021	orange Δ = 2  RAL 2004	signal green Δ = 86  RAL 6032	traffic red Δ = 84  RAL 3020	bright yellow Δ = 16  RAL 1021	traffic blue Δ = 87  RAL 5017
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Adjustable Handles

Modern Design Style, plastic, bolts and internal components in stainless steel, external thread



KIPP Adjustable Handles, Modern Design Style, external thread, components in stainless steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0270.1A0ΔX	1	10-24	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	15/20/25
K0270.1A1ΔX	1	10-32	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	15/20/25
K0270.1A2ΔX	1	1/4-20	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/40/50
K0270.2A2ΔX	2	1/4-20	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.2A3ΔX	2	5/16-18	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.2A4ΔX	2	3/8-16	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20/25/30/40/50/60
K0270.3A3ΔX	3	5/16-18	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.3A4ΔX	3	3/8-16	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.4A5ΔX	4	1/2-13	19	25,5	27,5	43	10	26	61	66	95	109	13	24	25/30/40/50/60
K0270.5A6ΔX	5	5/8-11	23	30	32,5	49	12	33	72	77	110	126	15,5	26	30/40/50/60

KIPP Adjustable Handles, Modern Design Style "Novo-Grip", external thread, components in stainless steel, metric

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0270.105ΔX	1	M5	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25
K0270.106ΔX	1	M6	10	13	14,5	24,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/40/50
K0270.206ΔX	2	M6	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.208ΔX	2	M8	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.210ΔX	2	M10	13,5	18	19,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20/25/30/40/50/60
K0270.308ΔX	3	M8	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.310ΔX	3	M10	16	21,5	23	37	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.412ΔX	4	M12	19	25,5	27,5	43	10	26	61	66	95	109	13	24	25/30/40/50/60
K0270.516ΔX	5	M16	23	30	32,5	49	12	33	72	77	110	126	15,5	26	30/40/50/60

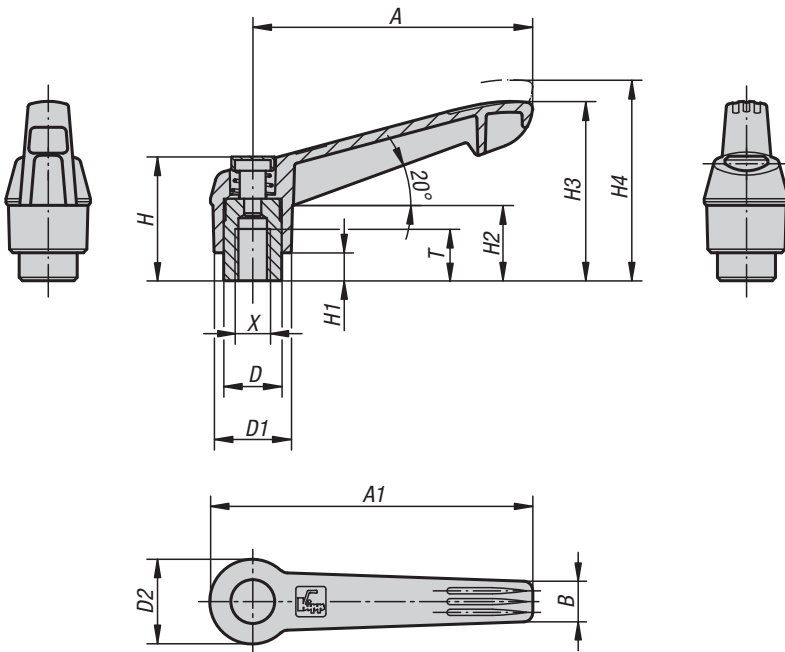
Adjustable Handles with push button

internal thread

INCH
Parts

METRIC
Parts

New Item



Material:

Handle fiberglass reinforced plastic, toothed ring die-cast zinc.
Steel parts quality class 5.8.
Push button plastic (POM).

Type:

Steel parts black oxide finish.

Part Number Example:

K0269.71104
(handle black gray, push button traffic red)

Note:

Δ Enter the desired handle color here.

The standard colors are:

Black gray handle, traffic red push button.

Orange handle, black gray push button.

Traffic red handle, black gray push button.

On request:

Other internal threads and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.



Adjustable Handles with push button

internal thread



KIPP Adjustable Handles with push button, internal thread, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0269.7Δ1AE	1	8-32	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ1A0	1	10-24	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ1A1	1	10-32	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ1A2	1	1/4-20	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ2A2	2	1/4-20	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.7Δ2A3	2	5/16-18	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.7Δ3A3	3	5/16-18	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0269.7Δ3A4	3	3/8-16	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0269.7Δ4A4	4	3/8-16	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0269.7Δ4A5	4	1/2-13	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0269.7Δ5A5	5	1/2-13	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26
K0269.7Δ5A6	5	5/8-11	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26

KIPP Adjustable Handles with push button, internal thread, metric

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0269.7Δ104	1	M4	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ105	1	M5	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ106	1	M6	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0269.7Δ206	2	M6	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.7Δ208	2	M8	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0269.7Δ308	3	M8	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0269.7Δ310	3	M10	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0269.7Δ410	4	M10	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0269.7Δ412	4	M12	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0269.7Δ512	5	M12	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26
K0269.7Δ516	5	M16	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26

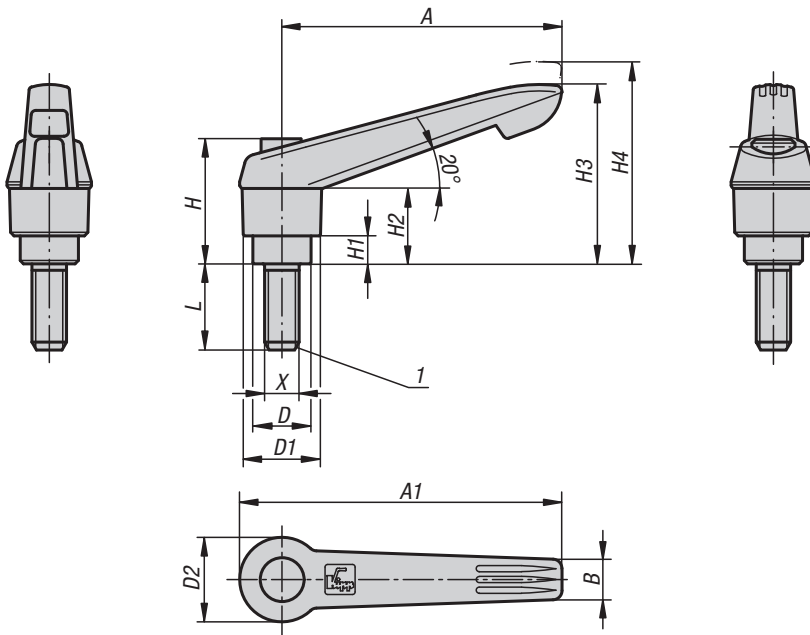
Adjustable Handles with push button

external thread

INCH
Parts

METRIC
Parts

New Item



Material:

Handle fiberglass reinforced plastic, toothed ring die-cast zinc.
Steel parts quality class 5.8.
Push button plastic (POM).

Type:

Steel parts black oxide finish.

Part Number Example:

K0269.71105X10
(handle black gray, push button traffic red. Include length L)

Note:

Δ Enter the desired handle color here.
The standard colors are:
Black gray handle, traffic red push button.
Orange handle, black gray push button.
Traffic red handle, black gray push button.

On request:

Other external threads, screw lengths and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



Adjustable Handles with push button

external thread



KIPP Adjustable Handles with push button, external thread, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0269.7Δ1A0X	1	10-24	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.7Δ1A1X	1	10-32	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.7Δ1A2X	1	1/4-20	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.7Δ2A2X	2	1/4-20	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ2A3X	2	5/16-18	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ2A4X	2	3/8-16	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ3A3X	3	5/16-18	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	15/25/20/30/35/40/45/50/55/60
K0269.7Δ3A4X	3	3/8-16	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.7Δ4A4X	4	3/8-16	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	20/25/30/35/40/50/55/45/60/70/80/90
K0269.7Δ4A5X	4	1/2-13	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.7Δ5A5X	5	1/2-13	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90
K0269.7Δ5A6X	5	5/8-11	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90

KIPP Adjustable Handles with push button, external thread, metric

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0269.7Δ105X	1	M5	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.7Δ106X	1	M6	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/35/40/45/50
K0269.7Δ206X	2	M6	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ208X	2	M8	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ210X	2	M10	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/35/40/45/50/55/60
K0269.7Δ308X	3	M8	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.7Δ310X	3	M10	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	15/20/25/30/35/40/45/50/55/60
K0269.7Δ410X	4	M10	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.7Δ412X	4	M12	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	20/25/30/35/40/45/50/55/60/70/80/90
K0269.7Δ512X	5	M12	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90
K0269.7Δ516X	5	M16	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	25/30/35/40/45/50/55/60/70/80/90

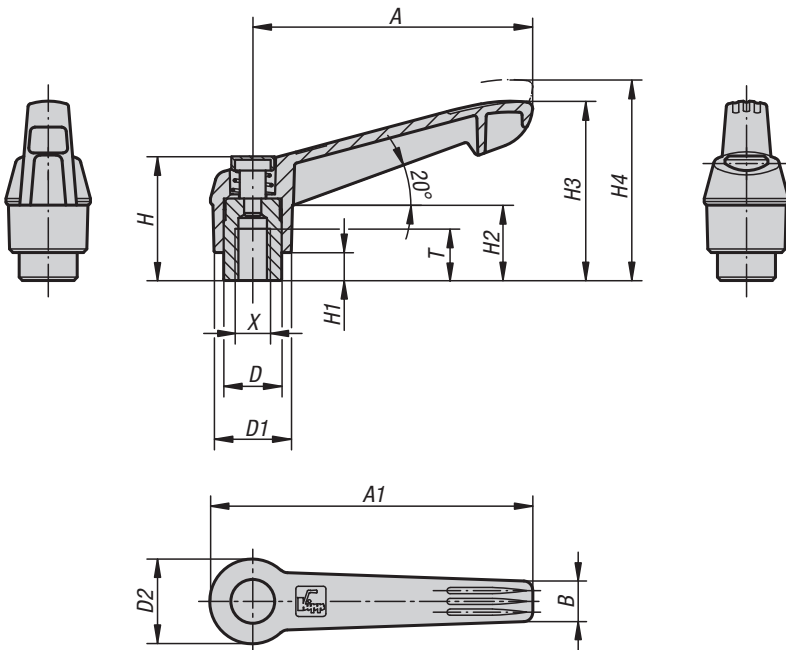
Adjustable Handles with push button

internal thread, metal parts stainless-steel

INCH
Parts

METRIC
Parts

New Item



Material:

Handle fiberglass reinforced plastic, toothed ring die-cast zinc.

Steel parts stainless steel 1.4305.

Push button plastic (POM).

Type:

Steel parts natural finish.

Part Number Example:

K0270.71104

(handle black gray, push button traffic red)

Note:

Δ Enter the desired handle color here.

The standard colors are:

Black gray handle, traffic red push button.

Orange handle, black gray push button.

Traffic red handle, black gray push button.

On request:

Other internal threads and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.



Adjustable Handles with push button

internal thread, metal parts stainless-steel



KIPP Adjustable Handles with push button, internal thread, metal parts stainless steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0270.7Δ1A0	1	10-24	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ1A1	1	10-32	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ1A2	1	1/4-20	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ2A2	2	1/4-20	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.7Δ2A3	2	5/16-18	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.7Δ3A3	3	5/16-18	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0270.7Δ3A4	3	3/8-16	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0270.7Δ4A4	4	3/8-16	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0270.7Δ4A5	4	1/2-13	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0270.7Δ5A5	5	1/2-13	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26
K0270.7Δ5A6	5	5/8-11	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26

KIPP Adjustable Handles with push button, internal thread, metal parts stainless steel, metric

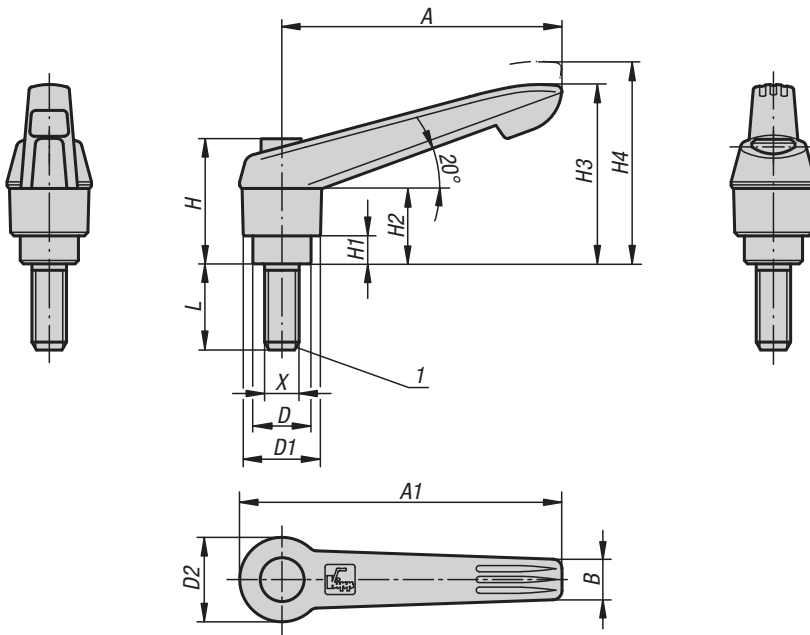
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0270.7Δ104	1	M4	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ105	1	M5	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ106	1	M6	9	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16
K0270.7Δ206	2	M6	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.7Δ208	2	M8	12	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20
K0270.7Δ308	3	M8	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0270.7Δ310	3	M10	14	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22
K0270.7Δ410	4	M10	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0270.7Δ412	4	M12	17	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24
K0270.7Δ512	5	M12	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26
K0270.7Δ516	5	M16	23	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26

Adjustable Handles with push button

external thread, metal parts stainless-steel

INCH Parts METRIC Parts

New Item



Material:

Handle fiberglass reinforced plastic, toothed ring die-cast zinc.
Steel parts stainless steel 1.4305.
Push button plastic (POM).

Type:

Steel parts natural finish.

Part Number Example:

K0270.71105X10
(handles black gray, push button traffic red. Include length L)

Note:

Δ Enter the desired handle color here.
The standard colors are:
Black gray handle, traffic red push button.
Orange handle, black gray push button.
Traffic red handle, black gray push button.

On request:

Other external threads, screw lengths and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

Drawing reference:

1) flat point DIN 78



Adjustable Handles with push button

external thread, metal parts stainless-steel



KIPP Adjustable Handles with push button, external thread, metal parts stainless steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0270.7Δ1A0X	1	10-24	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	15/20/25
K0270.7Δ1A1X	1	10-32	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	15/20/25
K0270.7Δ1A2X	1	1/4-20	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/40/50
K0270.7Δ2A2X	2	1/4-20	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.7Δ2A3X	2	5/16-18	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.7Δ2A4X	2	3/8-16	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20/25/30/40/50/60
K0270.7Δ3A3X	3	5/16-18	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.7Δ3A4X	3	3/8-16	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.7Δ4A5X	4	1/2-13	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	25/30/40/50/60
K0270.7Δ5A6X	5	5/8-11	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	30/40/50/60

KIPP Adjustable Handles with push button, external thread, metal parts stainless steel, metric

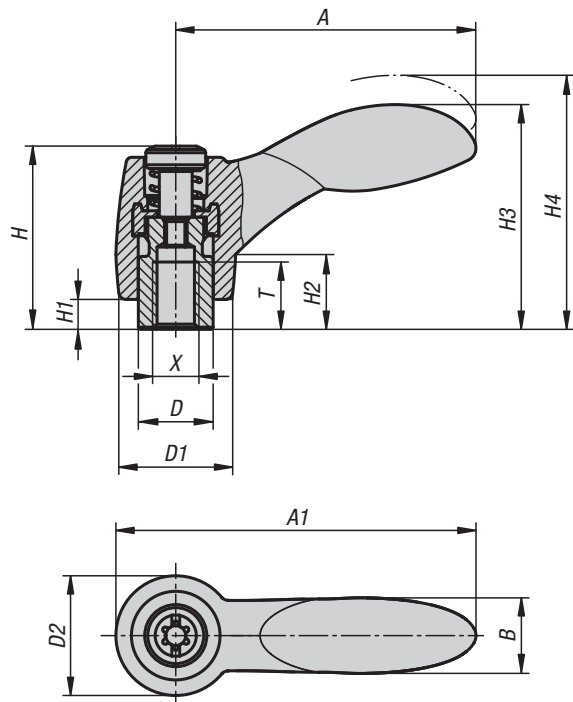
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0270.7Δ105X	1	M5	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25
K0270.7Δ106X	1	M6	10	13	14,5	25,5	4	15	30	33,5	40	47	7,5	16	10/15/20/25/30/40/50
K0270.7Δ206X	2	M6	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.7Δ208X	2	M8	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	15/20/25/30/40/50/60
K0270.7Δ210X	2	M10	13,5	18	19,5	29,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20/25/30/40/50/60
K0270.7Δ308X	3	M8	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.7Δ310X	3	M10	16	21,5	23	38,5	10	24	53,5	58	80	91,5	11	22	20/25/30/40/50/60
K0270.7Δ412X	4	M12	19	25,5	27,5	44,6	10	26	61	66	95	109	13	24	25/30/40/50/60
K0270.7Δ516X	5	M16	23	30	32,5	50,6	12	33	72	77	110	126	15,5	26	30/40/50/60

Adjustable Handles 2K

two-component with internal thread



INCH Parts METRIC Parts



Material:

Handle:
Hard component in fiberglass reinforced plastic with die cast zinc toothed ring.
Soft component:
Thermoflex based on SEBS.
Steel parts:
Quality class 5.8.

Type:

Steel parts black oxide finish.

Part Number Example:

K0125.1AE01

Note:

The hard and soft components are supplied in black gray RAL 7021 as standard.

On request:

Other internal threads, color combinations and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

KIPP Adjustable Handles 2K with internal thread, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0125.1AE01	1	8-32	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.1A001	1	10-24	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.1A101	1	10-32	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.1A201	1	1/4-20	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.2A201	2	1/4-20	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0125.2A301	2	5/16-18	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0125.3A301	3	5/16-18	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22
K0125.3A401	3	3/8-16	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22

KIPP Adjustable Handles 2K with internal thread, metric

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0125.10401	1	M4	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.10501	1	M5	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.10601	1	M6	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0125.20601	2	M6	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0125.20801	2	M8	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0125.30801	3	M8	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22
K0125.31001	3	M10	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22

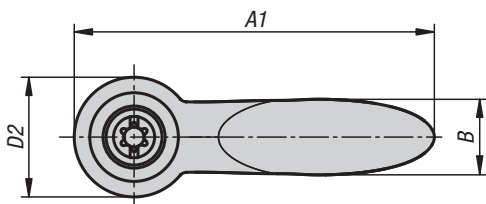
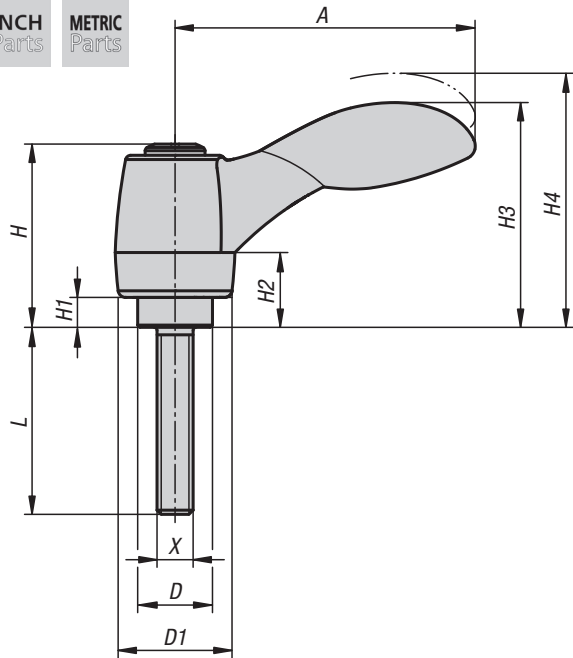
Adjustable Handles 2K

two-component with external thread



INCH
Parts

METRIC
Parts



lift to
disengage



Material:

Handle:

Hard component in fiberglass reinforced plastic with die cast zinc toothed ring.

Soft component:

Thermoflex based on SEBS.

Steel parts:

Quality class 5.8.

Type:

Steel parts black oxide finish.

Part Number Example:

K0125.1A001X10

(include length L)

Note:

The hard and soft components are supplied in black gray RAL 7021 as standard.

On request:

Other external threads, screw lengths, color combinations and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.

KIPP Adjustable Handles 2K with external thread, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0125.1A001X	1	10-24	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/35/40/45/50
K0125.1A101X	1	10-32	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/35/40/45/50
K0125.1A201X	1	1/4-20	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/35/40/45/50
K0125.2A201X	2	1/4-20	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.2A301X	2	5/16-18	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.2A401X	2	3/8-16	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.3A301X	3	5/16-18	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	15/20/25/30/35/40/45/50/55/60
K0125.3A401X	3	3/8-16	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	15/20/25/30/35/40/45/50/55/60

KIPP Adjustable Handles 2K with external thread, metric

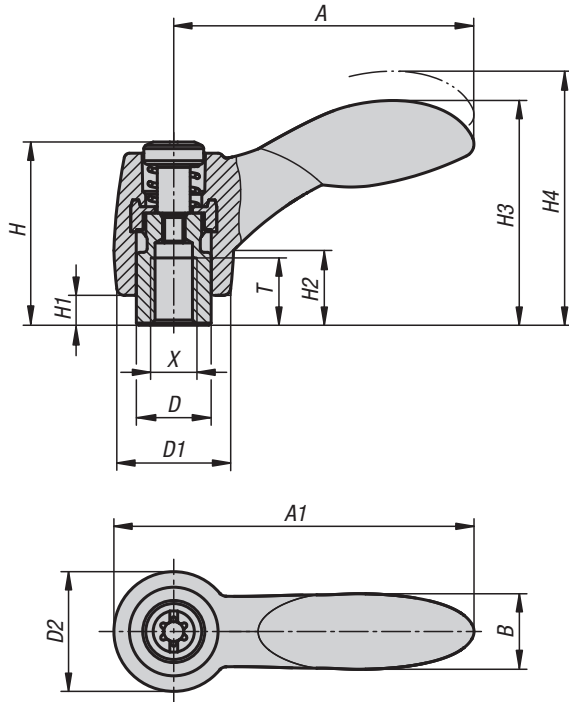
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0125.10501X	1	M5	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/35/40/45/50
K0125.10601X	1	M6	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/35/40/45/50
K0125.20601X	2	M6	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.20801X	2	M8	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.21001X	2	M10	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/35/40/45/50/55/60
K0125.30801X	3	M8	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	15/20/25/30/35/40/45/50/55/60
K0125.31001X	3	M10	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	15/20/25/30/35/40/45/50/55/60

Adjustable Handles 2K

two-component with internal thread, steel parts in stainless steel



INCH Parts METRIC Parts



Material:

Handle:
Hard component in fiberglass reinforced plastic with die cast zinc toothed ring.
Soft component:
Thermoflex based on SEBS.
Steel parts:
Stainless steel, 1.4305.

Type:

Steel parts natural finish.

Part Number Example:

K0126.1A001

Note:

The hard and soft components are supplied in black gray RAL 7021 as standard.

On request:

Other internal threads, color combinations and special versions.
Dimension "H1" can be produced in other lengths at an additional charge.

KIPP Adjustable Handles 2K with internal thread, steel parts in stainless steel, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0126.1A001	1	10-24	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.1A101	1	10-32	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.1A201	1	1/4-20	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.2A201	2	1/4-20	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0126.2A301	2	5/16-18	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0126.3A301	3	5/16-18	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22
K0126.3A401	3	3/8-16	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22

KIPP Adjustable Handles 2K with internal thread, steel parts in stainless steel, metric

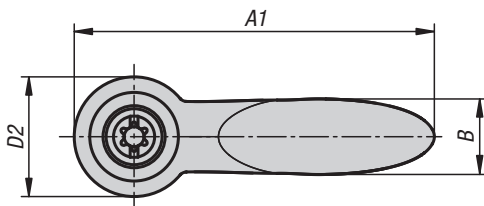
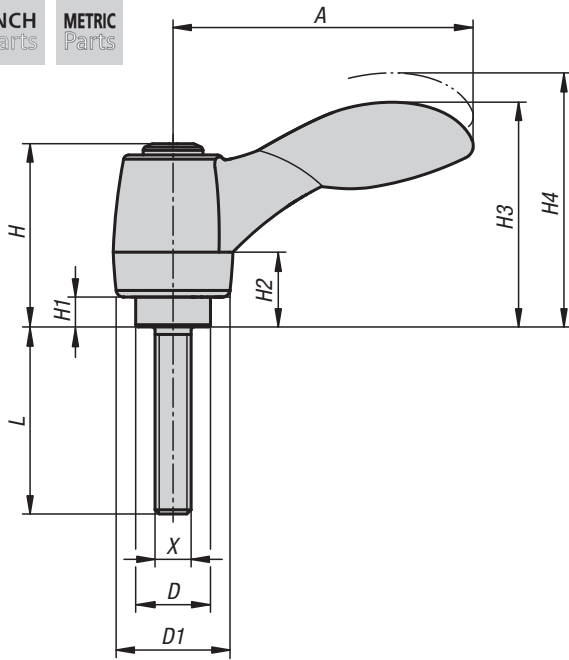
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0126.10401	1	M4	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.10501	1	M5	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.10601	1	M6	9	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16
K0126.20601	2	M6	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0126.20801	2	M8	12	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20
K0126.30801	3	M8	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22
K0126.31001	3	M10	14	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22

Adjustable Handles 2K

two-component with external thread, steel parts in stainless steel



INCH Parts
METRIC Parts



Material:

Handle:

Hard component in fiberglass reinforced plastic with die cast zinc toothed ring.

Soft component:

Thermoflex based on SEBS.

Steel parts:

Stainless steel 1.4305

Type:

Steel parts natural finish.

Part Number Example:

K0126.1A001X10

(include length L)

Note:

The hard and soft components are supplied in black gray RAL 7021 as standard.

On request:

Other external threads, screw lengths, color combinations and special versions.

Dimension "H1" can be produced in other lengths at an additional charge.

KIPP Adjustable Handles 2K with external thread, steel parts in stainless steel, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0126.1A001X	1	10-24	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25
K0126.1A101X	1	10-32	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25
K0126.1A201X	1	1/4-20	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/40/50
K0126.2A201X	2	1/4-20	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/40/50/60
K0126.2A301X	2	5/16-18	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/40/50/60
K0126.2A401X	2	3/8-16	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	20/25/30/40/50/60
K0126.3A301X	3	5/16-18	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	20/25/30/40/50/60
K0126.3A401X	3	3/8-16	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	20/25/30/40/50/60

KIPP Adjustable Handles 2K with external thread, steel parts in stainless steel, metric

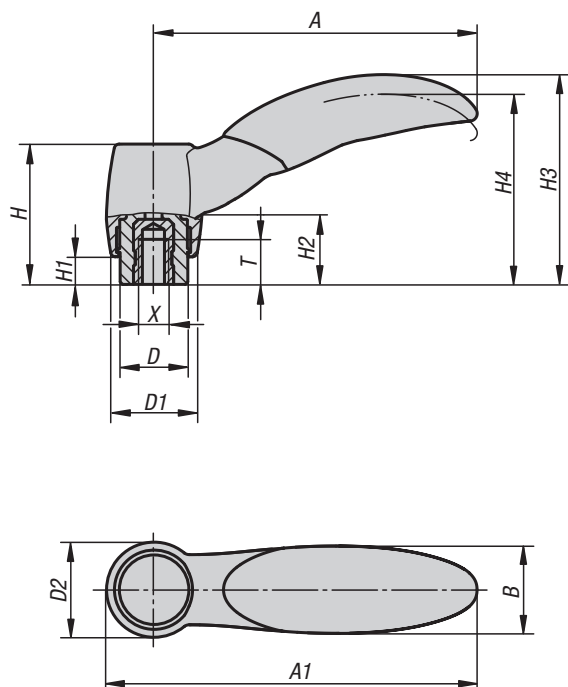
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0126.10501X	1	M5	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25
K0126.10601X	1	M6	10	15	16	24,5	4	10	30	33,5	40,1	48,1	10,1	16	10/15/20/25/30/40/50
K0126.20601X	2	M6	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/40/50/60
K0126.20801X	2	M8	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	15/20/25/30/40/50/60
K0126.21001X	2	M10	13,5	17,5	19	28,5	6,5	12,5	41,2	45,2	64,9	74,4	17,6	20	20/25/30/40/50/60
K0126.30801X	3	M8	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	20/25/30/40/50/60
K0126.31001X	3	M10	16	21	22	37	10	17	51,6	56,1	80,2	91,2	20,7	22	20/25/30/40/50/60

Adjustable Handles ECO

internal thread



INCH Parts METRIC Parts



Press to disengage



Material:

Handle and insert reinforced plastic.

For size 1 and 2, brass bushing.
For size 3, steel bushing.

Type:

Steel blue chromate.

Part Number Example:

K0252.1AE1

Note:

Standard color is black gray RAL 7021.

On request:

Other internal threads, colors and special versions at an additional charge.

KIPP Adjustable Handles ECO internal thread, inch

Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0252.1AE1	1	8-32	6	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12
K0252.1A11	1	10-32	6	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12
K0252.2A11	2	10-32	7,5	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.2A21	2	1/4-20	9	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.2A31	2	5/16-18	9	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.3A31	3	5/16-18	14,5	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12
K0252.3A41	3	3/8-16	14,5	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12

KIPP Adjustable Handles ECO internal thread, metric

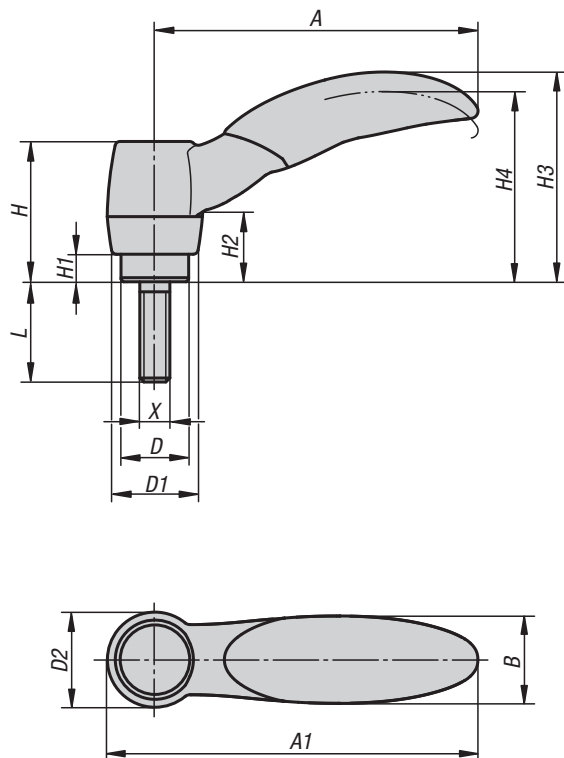
Item No.	Size	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K0252.1041	1	M4	6	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12
K0252.1051	1	M5	6	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12
K0252.2051	2	M5	7,5	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.2061	2	M6	9	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.2081	2	M8	9	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12
K0252.3081	3	M8	12	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12
K0252.3101	3	M10	12	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12

Adjustable Handles ECO

external thread



INCH Parts METRIC Parts



Press to disengage



Material:

Handle and insert reinforced plastic.
Steel parts quality class 5.8.

Type:

Steel blue chromate.

Part Number Example:

K0252.1041X10
(include length L)

Note:

Standard color is black gray RAL 7021.

On request:

Other external threads, colors and special versions at an additional charge.

KIPP Adjustable Handles ECO external thread, inch

Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0252.1AE1X	1	8-32	10	12.6	14.1	21.7	5	11.3	32	29.1	47.9	55	13	12	10/20
K0252.1A11X	1	10-32	10	12.6	14.1	21.7	5	11.3	32	29.1	47.9	55	13	12	10/20
K0252.2A11X	2	10-32	13.5	17	19	28	5.5	14	41.9	38	64.5	74	17.5	12	20/30/40
K0252.2A21X	2	1/4-20	13.5	17	19	28	5.5	14	41.9	38	64.5	74	17.5	12	20/30/40
K0252.2A31X	2	5/16-18	13.5	17	19	28	5.5	14	41.9	38	64.5	74	17.5	12	20/30/40
K0252.3A31X	3	5/16-18	17	20.4	23.9	40.7	10	23.1	58.1	53.3	81.1	93	22	12	20/40/60
K0252.3A41X	3	3/8-16	17	20.4	23.9	40.7	10	23.1	58.1	53.3	81.1	93	22	12	20/40/60

KIPP Adjustable Handles ECO external thread, metric

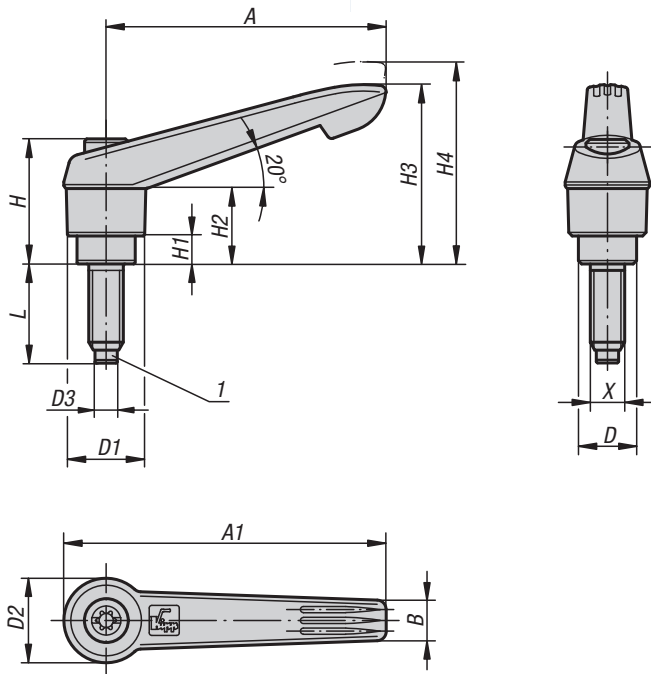
Item No.	Size	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0252.1041X	1	M4	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12	10/15/20
K0252.1051X	1	M5	10	12,6	14,1	21,7	5	11,3	32	29,1	47,9	55	13	12	10/15/20/25
K0252.2051X	2	M5	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12	10/15/20/25/30/40
K0252.2061X	2	M6	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12	10/15/20/25/30/40
K0252.2081X	2	M8	13,5	17	19	28	5,5	14	41,9	38	64,5	74	17,5	12	10/15/20/25/30/40
K0252.3081X	3	M8	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12	20/25/30/40/50/60
K0252.3101X	3	M10	17	20,4	23,9	40,7	10	23,1	58,1	53,3	81,1	93	22	12	20/25/30/40/50/60

Adjustable Handles with thrust pin

external thread

METRIC
Parts

New Item



Material:

Handles fiberglass reinforced plastic with die-cast zinc toothed rings.
Steel parts quality class 5.8.
Thrust pin, brass.

Type:

Steel parts black oxide finish.

Part Number Example:

K0780.12061X20

Note:

These components are used to prevent marring the workpiece surface.

On request:

Other external threads, screw lengths, clamp lever colors and thrust pin types as well as special versions.

Dimension "H1" optionally available in other lengths at an additional charge.

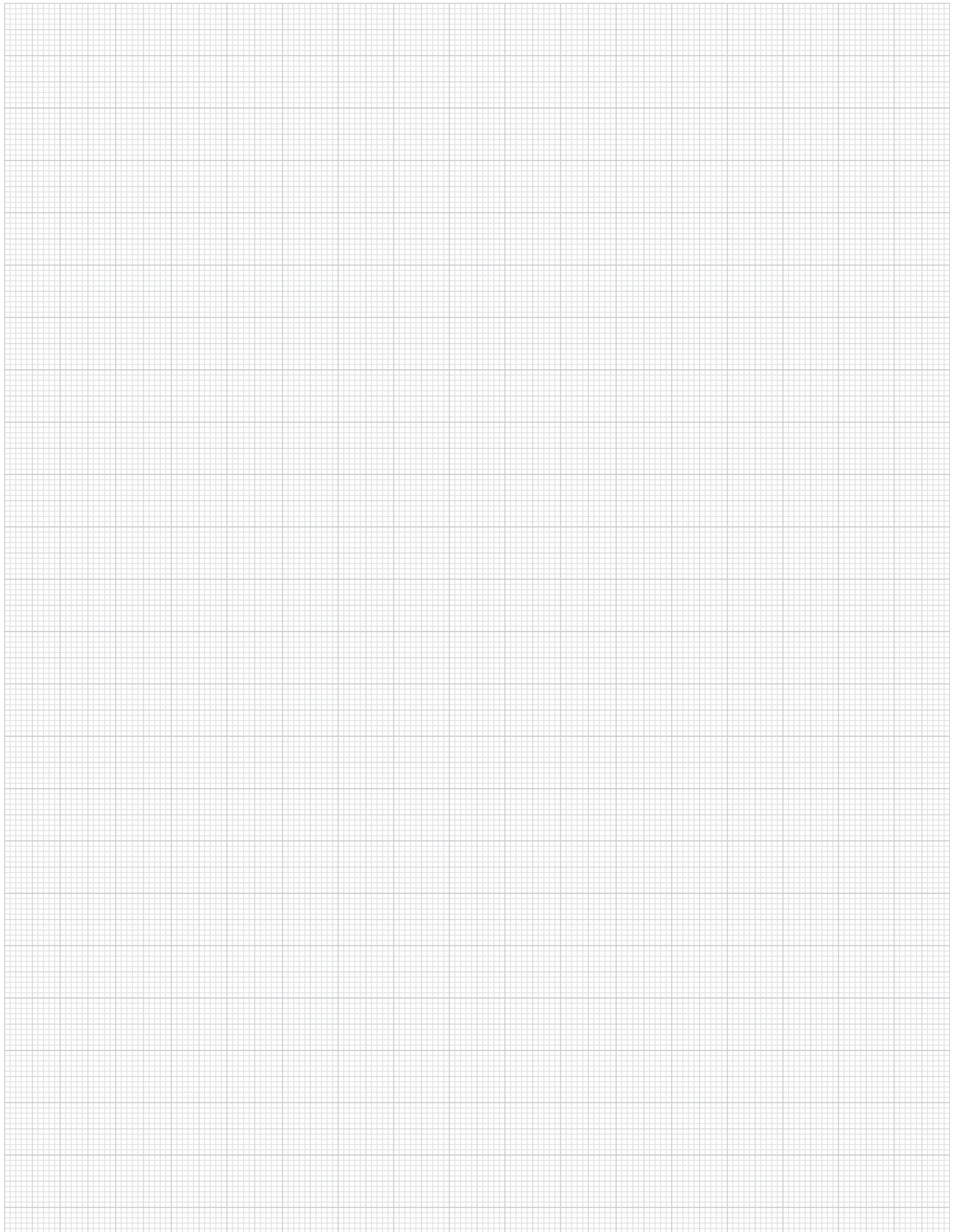
Drawing reference:

1) Thrust pin

KIPP Adjustable Handles with thrust pin external thread, metric

Item No.	Size	X	D	D1	D2	D3	H	H1	H2	H3	H4	A	A1	B	No. of teeth	L
K0780.11051X20	1	M5	10	13	14,5	3	24,5	4	15	30	33,5	40	47	7,5	16	20
K0780.11051X30	1	M5	10	13	14,5	3	24,5	4	15	30	33,5	40	47	7,5	16	30
K0780.11051X40	1	M5	10	13	14,5	3	24,5	4	15	30	33,5	40	47	7,5	16	40
K0780.11051X50	1	M5	10	13	14,5	3	24,5	4	15	30	33,5	40	47	7,5	16	50
K0780.11061X20	1	M6	10	13	14,5	4	24,5	4	15	30	33,5	40	47	7,5	16	20
K0780.11061X30	1	M6	10	13	14,5	4	24,5	4	15	30	33,5	40	47	7,5	16	30
K0780.11061X40	1	M6	10	13	14,5	4	24,5	4	15	30	33,5	40	47	7,5	16	40
K0780.11061X50	1	M6	10	13	14,5	4	24,5	4	15	30	33,5	40	47	7,5	16	50
K0780.12061X20	2	M6	13,5	18	19,5	4	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20
K0780.12061X30	2	M6	13,5	18	19,5	4	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	30
K0780.12061X40	2	M6	13,5	18	19,5	4	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	40
K0780.12061X50	2	M6	13,5	18	19,5	4	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	50
K0780.12061X60	2	M6	13,5	18	19,5	4	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	60
K0780.12081X20	2	M8	13,5	18	19,5	5,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20
K0780.12081X30	2	M8	13,5	18	19,5	5,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	30
K0780.12081X40	2	M8	13,5	18	19,5	5,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	40
K0780.12081X50	2	M8	13,5	18	19,5	5,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	50
K0780.12081X60	2	M8	13,5	18	19,5	5,5	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	60
K0780.12101X20	2	M10	13,5	18	19,5	7	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	20
K0780.12101X30	2	M10	13,5	18	19,5	7	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	30
K0780.12101X40	2	M10	13,5	18	19,5	7	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	40
K0780.12101X50	2	M10	13,5	18	19,5	7	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	50
K0780.12101X60	2	M10	13,5	18	19,5	7	28,5	6,5	17,5	41,5	45,5	65	75	9,5	20	60

Notes:

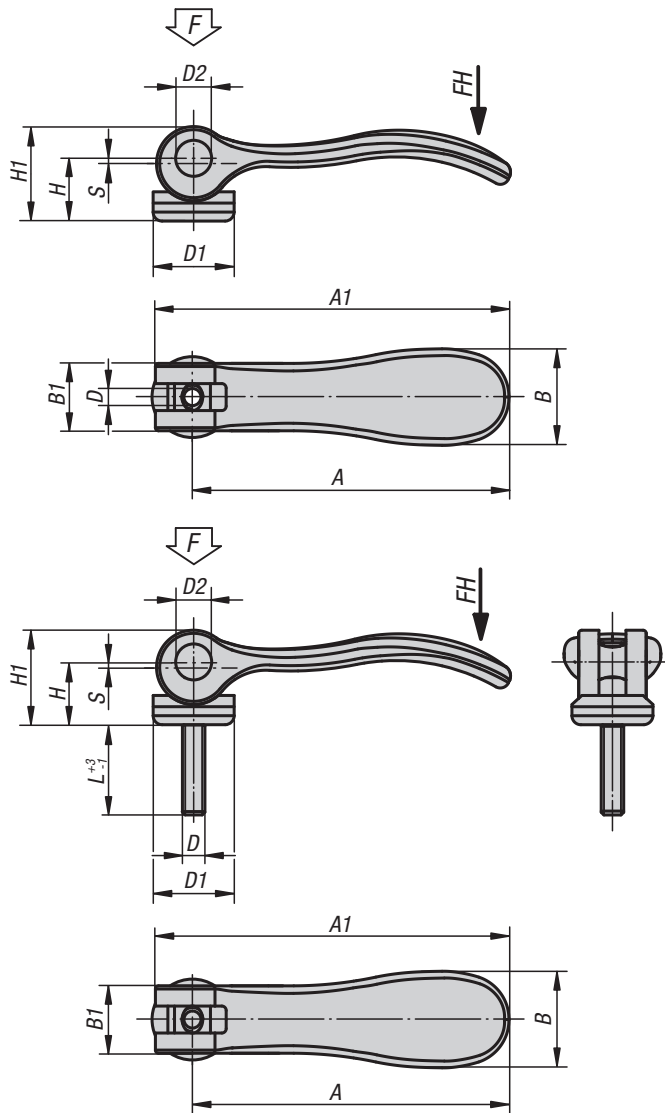


Cam Levers

with internal and external thread

Expanded Line

INCH
Parts



Material:

Handles cast aluminum EN AC-46200.
Thrust washer plastic PA 66 GF 35-X fiberglass reinforced.
Hinge pin stainless steel 1.4305.
Studs and washer steel quality class 5.8 or stainless steel 1.4305.

Type:

Handles fine structure powder-coated, black or red RAL 3003;
thrust washer black;
hinge pin natural finish;
threaded stud and washer in steel blue chromate or stainless steel natural finish

Part Number Example:

K0005.95011ADX10
(include length L)

Note:

Plastic materials are subject to creep under compression (Retardation).

KIPP Cam Levers black, internal thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.95011AD	K0005.95111AD	6-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.95011AE	K0005.95111AE	8-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.05011AE	K0005.05111AE	8-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.05011A0	K0005.05111A0	10-24	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.05011A1	K0005.05111A1	10-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.15011A1	K0005.15111A1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.15011A2	K0005.15111A2	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.25011A3	K0005.25111A3	5/16-18	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers red, internal thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.95014AD	K0005.95114AD	6-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.95014AE	K0005.95114AE	8-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.05014AE	K0005.05114AE	8-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.05014A0	K0005.05114A0	10-24	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.05014A1	K0005.05114A1	10-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.15014A1	K0005.15114A1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.15014A2	K0005.15114A2	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.25014A3	K0005.25114A3	5/16-18	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers black, external thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.95011ADX	K0005.95111ADX	6-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.95011AEX	K0005.95111AEX	8-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.05011AEX	K0005.05111AEX	8-32	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0005.05011A0X	K0005.05111A0X	10-24	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.05011A1X	K0005.05111A1X	10-32	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.15011A1X	K0005.15111A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.15011A2X	K0005.15111A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.25011A3X	K0005.25111A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0005.25011A4X	K0005.25111A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Cam Levers red, external thread, inch

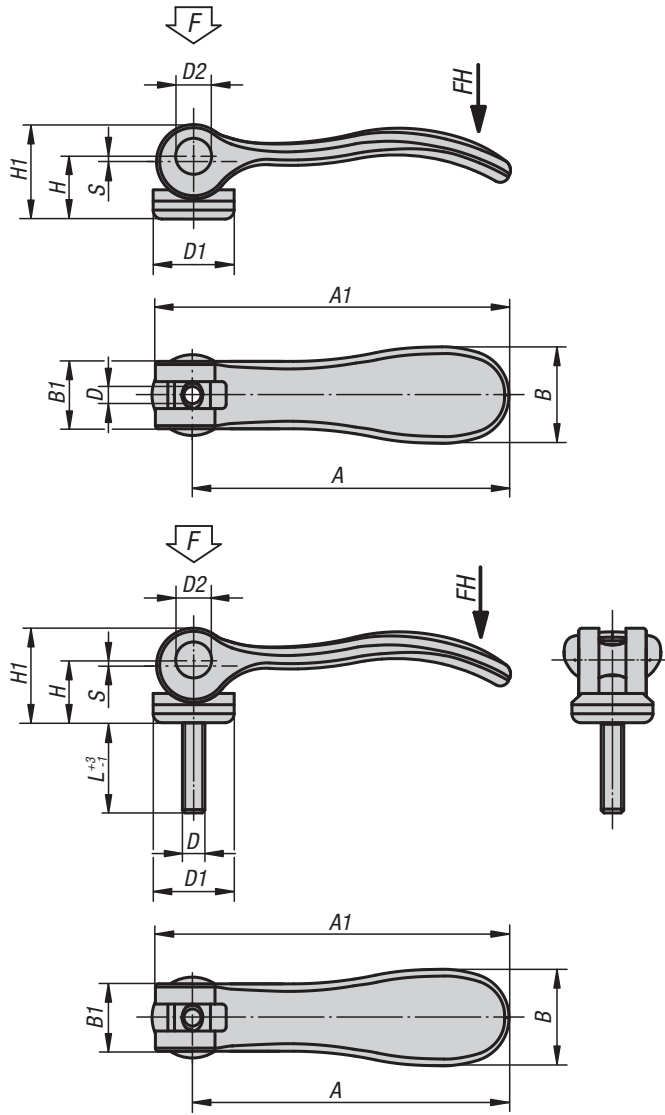
Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.95014ADX	K0005.95114ADX	6-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.95014AEX	K0005.95114AEX	8-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.05014AEX	K0005.05114AEX	8-32	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0005.05014A0X	K0005.05114A0X	10-24	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.05014A1X	K0005.05114A1X	10-32	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.15014A1X	K0005.15114A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.15014A2X	K0005.15114A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.25014A3X	K0005.25114A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0005.25014A4X	K0005.25114A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Cam Levers

with internal and external thread

Expanded Line

METRIC
Parts



Material:

Handles cast aluminum EN AC-46200.
Thrust washer plastic PA 66 GF 35-X fiberglass reinforced.
Hinge pin stainless steel 1.4305.
Studs and washer steel quality class 5.8 or stainless steel 1.4305.

Type:

Handles fine structure powder-coated, black or red RAL 3003;
thrust washer black;
hinge pin natural finish;
threaded stud and washer in steel blue chromate or stainless steel natural finish

Part Number Example:

K0005.95011ADX10
(include length L)

Note:

Plastic materials are subject to creep under compression (Retardation).

Cam Levers

with internal and external thread

Cam Levers black, internal thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.9501103	K0005.9511103	M3	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.9501104	K0005.9511104	M4	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.0501104	K0005.0511104	M4	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.0501105	K0005.0511105	M5	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.1501105	K0005.1511105	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.1501106	K0005.1511106	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.2501108	K0005.2511108	M8	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

Cam Levers red, internal thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.9501403	K0005.9511403	M3	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.9501404	K0005.9511404	M4	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0005.0501404	K0005.0511404	M4	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.0501405	K0005.0511405	M5	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0005.1501405	K0005.1511405	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.1501406	K0005.1511406	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0005.2501408	K0005.2511408	M8	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

Cam Levers black, external thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.9501103X	K0005.9511103X	M3	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.9501104X	K0005.9511104X	M4	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.0501104X	K0005.0511104X	M4	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0005.0501105X	K0005.0511105X	M5	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.1501105X	K0005.1511105X	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.1501106X	K0005.1511106X	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.2501108X	K0005.2511108X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0005.2501110X	K0005.2511110X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Cam Levers red, external thread, metric

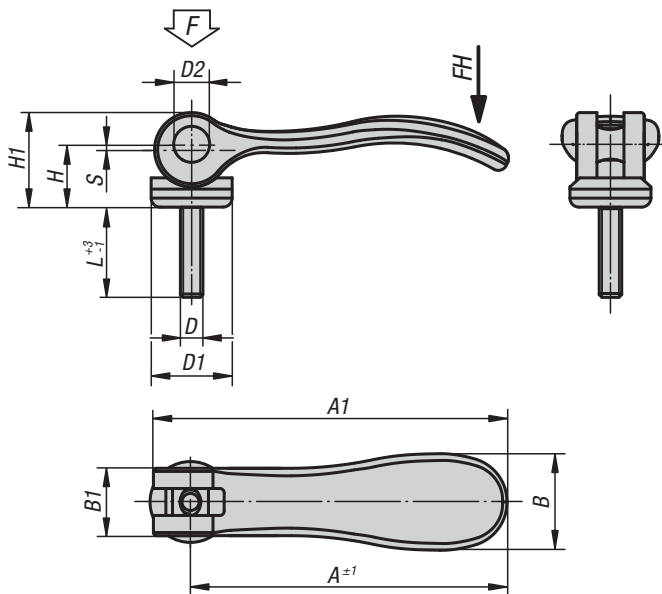
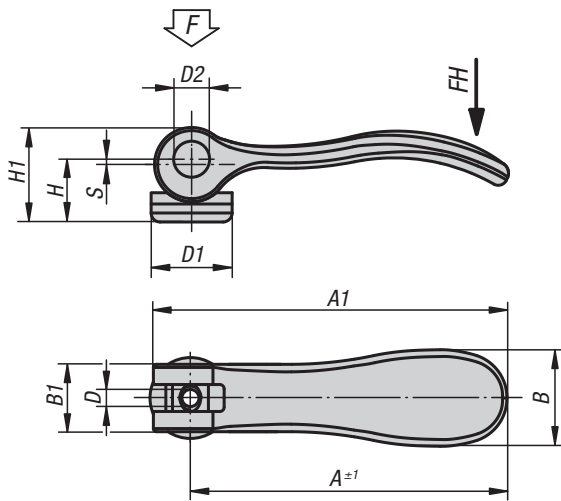
Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0005.9501403X	K0005.9511403X	M3	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.9501404X	K0005.9511404X	M4	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0005.0501404X	K0005.0511404X	M4	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0005.0501405X	K0005.0511405X	M5	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0005.1501405X	K0005.1511405X	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.1501406X	K0005.1511406X	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0005.2501408X	K0005.2511408X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0005.2501410X	K0005.2511410X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Cam Levers

internal and external thread, steel

INCH Parts
METRIC Parts

New Item



Material:

Handle steel 1.0401.
Thrust washer plastic PA 66 GF 35-X fiberglass reinforced.
Hinge pin stainless steel 1.4305.
Stud and washer steel, quality class 5.8.

Type:

Handle, stud and washer, blue chromate.
Thrust washer black.
Hinge pin natural finish.

Part Number Example:

K0788.1502205

Note:

Plastic materials are subject to creep under compression (Retardation).

Cam Levers

internal and external thread, steel



KIPP Cam Levers internal thread, steel, inch

Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0788.15022A1	1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0788.15022A2	1	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0788.25022A3	2	5/16-18	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers external thread, steel, inch

Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0788.15022A1X	1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0788.15022A2X	1	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0788.25022A3X	2	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0788.25022A4X	2	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Cam Levers internal thread, steel, metric

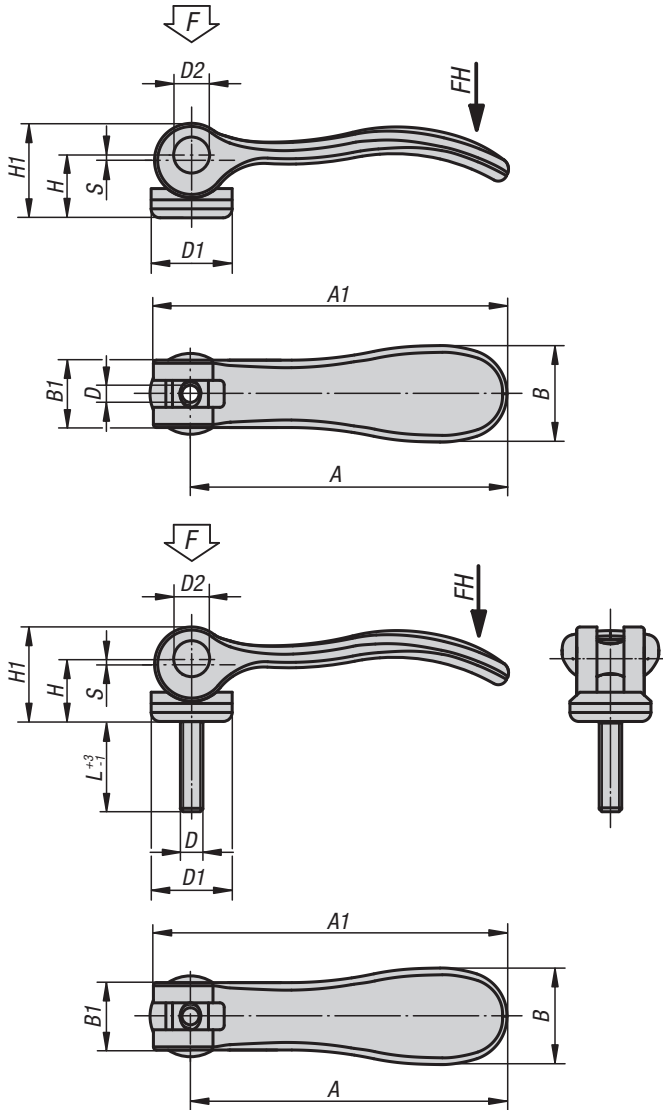
Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0788.1502205	1	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0788.1502206	1	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0788.2502208	2	M8	27,1	11	33,2	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers external thread, steel, metric

Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0788.1502205X	1	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0788.1502206X	1	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0788.2502208X	2	M8	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0788.2502210X	2	M10	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Cam Levers in stainless steel

with internal and external thread



Material:

Handle 1.4308;
 thrust washer in fiberglass reinforced plastic PA 66 GF 35-X;
 hinge pin, threaded stud and washer 1.4305

Type:

Handle electrolytic polished;
 thrust washer black;
 hinge pin, threaded stud and washer natural finish

Part Number Example:

K0645.15120A1X20
 (include length L)

Note:

Plastic materials are subject to creep under compression (Retardation).

Cam Levers in stainless steel

with internal and external thread



KIPP Cam Levers in stainless steel with internal thread, inch

Item No.	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0645.95120AD	6-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0645.95120AE	8-32	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0645.05120A0	10-24	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0645.05120A1	10-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0645.05120AE	8-32	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0645.15120A1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0645.15120A2	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0645.25120A3	5/16-18	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers in stainless steel with external thread, inch

Item No.	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0645.95120AEX	8-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0645.95120ADX	6-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0645.05120A0X	10-24	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0645.05120A1X	10-32	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0645.05120AEX	8-32	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0645.15120A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0645.15120A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0645.25120A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0645.25120A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Cam Levers in stainless steel with internal thread, metric

Item No.	D	D1	D2	B	B1	H	H1	A	A1	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0645.9512003	M3	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0645.9512004	M4	12	6	14,4	11,5	9	13	36,2	41,7	1	1,5	90
K0645.0512004	M4	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0645.0512005	M5	15,4	8	18	13	11,2	17	52,3	59,1	1	2,5	100
K0645.1512005	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0645.1512006	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	1,2	4	120
K0645.2512008	M8	27,1	11	33,3	24	18	28,5	96	108	1,5	8	350

KIPP Cam Levers in stainless steel with external thread, metric

Item No.	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0645.9512003X	M3	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0645.9512004X	M4	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0645.0512004X	M4	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0645.0512005X	M5	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0645.1512005X	M5	18,1	9	21,5	15	14,5	22	70,4	79,5	20/30/40/50	1,2	4	120
K0645.1512006X	M6	18,1	9	21,5	15	14,5	22	70,4	79,5	20/30/40/50	1,2	4	120
K0645.2512008X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0645.2512010X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Cam Levers with plastic handle

with internal and external thread, steel or stainless steel



Material:

Handles and thrust washer plastic PA 66 fiberglass reinforced.
Hinge pins stainless steel 1.4305.
Studs and washer steel quality class 5.8 or stainless steel 1.4305.

Type:

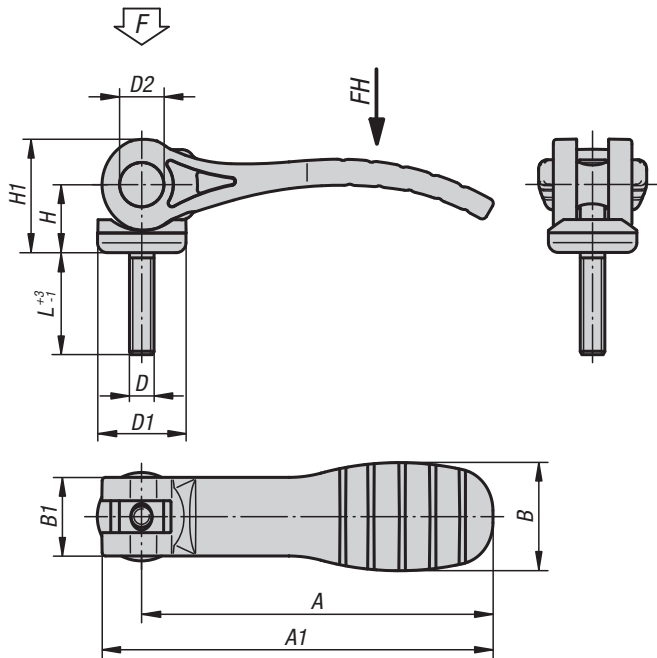
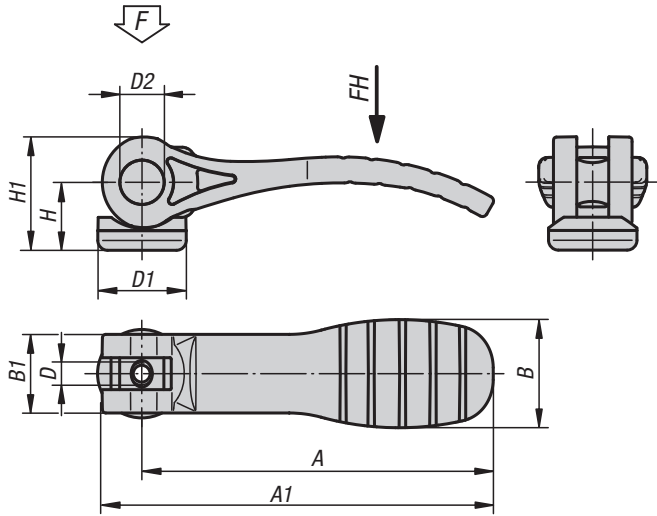
Handle and thrust washer black;
hinge pin natural finish;
threaded stud and washer in steel blue chromate or stainless steel natural finish

Part Number Example:

K0646.15211A1X20
(include length L)

Note:

Plastics are subject to creeping under load (retardation), this can cause reduced clamping force.



Cam Levers with plastic handle

with internal and external thread, steel or stainless steel

KIPP Cam Levers with plastic handle and internal thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke	Clamping force F (kN)	Hand force FH N
K0646.15211A1	K0646.15311A1	10-32	18,1	9	22	16	14	23,4	71,5	79,6	1,15	2,5	125
K0646.15211A2	K0646.15311A2	1/4-20	18,1	9	22	16	14	23,4	71,5	79,6	1,15	2,5	125
K0646.25211A3	K0646.25311A3	5/16-18	27,1	11	33	24,2	16,2	27,7	100	110	1,5	5	170

KIPP Cam Levers with plastic handle and external thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke	Clamping force F (kN)	Hand force FH N
K0646.15211A1X	K0646.15311A1X	10-32	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0646.15211A2X	K0646.15311A2X	1/4-20	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0646.25211A3X	K0646.25311A3X	5/16-18	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170
K0646.25211A4X	K0646.25311A4X	3/8-16	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170

KIPP Cam Levers with plastic handle and internal thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	Stroke	Clamping force F (kN)	Hand force FH N
K0646.1521105	K0646.1531105	M5	18,1	9	22	16	14	23,4	71,5	79,6	1,15	2,5	125
K0646.1521106	K0646.1531106	M6	18,1	9	22	16	14	23,4	71,5	79,6	1,15	2,5	125
K0646.2521108	K0646.2531108	M8	27,1	11	33	24,2	16,2	27,7	100	110	1,5	5	170

KIPP Cam Levers with plastic handle and external thread, metric

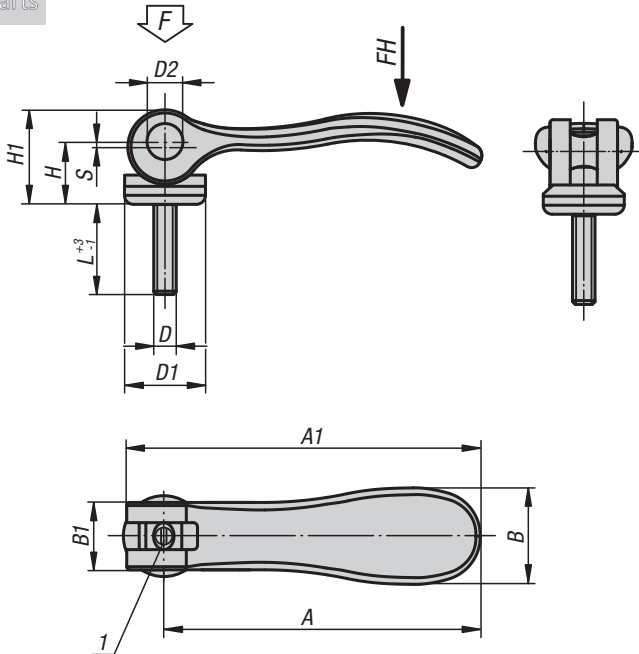
Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke	Clamping force F (kN)	Hand force FH N
K0646.1521105X	K0646.1531105X	M5	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0646.1521106X	K0646.1531106X	M6	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0646.2521108X	K0646.2531108X	M8	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170
K0646.2521110X	K0646.2531110X	M10	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170

Adjustable Cam Levers

with external thread, steel or stainless steel

INCH
Parts

Expanded Line



Material:

Handles cast aluminum EN AC-46200;
thrust washer plastic PA 66 GF 35-X fiberglass reinforced;
hinge pins stainless steel 1.4305;
studs and washer steel quality class 5.8 or stainless steel 1.4305

Type:

Handles fine structure powder-coated,
black or red RAL 3003.
Thrust washer, black.
Hinge pins, natural finish.
Studs and washer blue chromated steel or natural finish stainless steel.

Part Number Example:

K0006.95011ADX
(include length L)

Note:

Adjustable Cam Levers are unique from the original Cam Lever Series in that Adjustable Cam Levers have a screwdriver slot located at the top end of the stud to allow for fine adjustment when clamping space is limited.
Plastic materials are subject to creep under compression (Retardation).

Drawing reference:

1) pin for the fine adjustment of the tensioning lever

KIPP Adjustable Cam Levers black, external thread, inch

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0006.95011ADX	K0006.95111ADX	6-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.95011AEX	K0006.95111AEX	8-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.05011AEX	K0006.05111AEX	8-32	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0006.05011A0X	K0006.05111A0X	10-24	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.05011A1X	K0006.05111A1X	10-32	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.15011A1X	K0006.15111A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.15011A2X	K0006.15111A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.25011A3X	K0006.25111A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0006.25011A4X	K0006.25111A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Adjustable Cam Levers red, external thread, inch

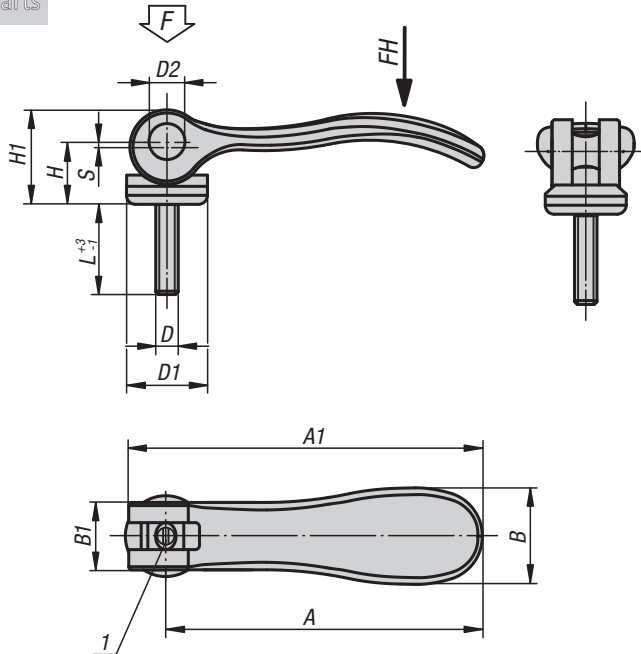
Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0006.95014ADX	K0006.95114ADX	6-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.95014AEX	K0006.95114AEX	8-32	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.05014AEX	K0006.05114AEX	8-32	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0006.05014A0X	K0006.05114A0X	10-24	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.05014A1X	K0006.05114A1X	10-32	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.15014A1X	K0006.15114A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.15014A2X	K0006.15114A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.25014A3X	K0006.25114A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0006.25014A4X	K0006.25114A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Adjustable Cam Levers

with external thread, steel or stainless steel

METRIC
Parts

Expanded Line



Material:

Handles cast aluminum EN AC-46200;
thrust washer plastic PA 66 GF 35-X fiberglass reinforced;
hinge pins stainless steel 1.4305;
studs and washer steel quality class 5.8 or stainless steel 1.4305

Type:

Handles fine structure powder-coated,
black or red RAL 3003.
Thrust washer, black.
Hinge pins, natural finish.
Studs and washer blue chromated steel or natural finish
stainless steel.

Part Number Example:

K0006.95011ADX
(include length L)

Note:

Adjustable Cam Levers are unique from the original Cam Lever Series in that Adjustable Cam Levers have a screwdriver slot located at the top end of the stud to allow for fine adjustment when clamping space is limited.
Plastic materials are subject to creep under compression (Retardation).

Drawing reference:

1) pin for the fine adjustment of the tensioning lever

KIPP Adjustable Cam Levers black, external thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0006.9501103X	K0006.9511103X	M3	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.9501104X	K0006.9511104X	M4	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.0501104X	K0006.0511104X	M4	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0006.0501105X	K0006.0511105X	M5	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.1501105X	K0006.1511105X	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.1501106X	K0006.1511106X	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.2501108X	K0006.2511108X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0006.2501110X	K0006.2511110X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Adjustable Cam Levers red, external thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0006.9501403X	K0006.9511403X	M3	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.9501404X	K0006.9511404X	M4	12	6	14,4	11,5	9	13	36,2	41,7	10/15/30	1	1,5	90
K0006.0501404X	K0006.0511404X	M4	15,4	8	18	13	11,2	17	52,3	59,1	15/20/30	1	2,5	100
K0006.0501405X	K0006.0511405X	M5	15,4	8	18	13	11,2	17	52,3	59,1	20/30/40/50	1	2,5	100
K0006.1501405X	K0006.1511405X	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.1501406X	K0006.1511406X	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0006.2501408X	K0006.2511408X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0006.2501410X	K0006.2511410X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Adjustable Cam Levers

external thread, steel

New Item



Material:

Handle steel 1.0401.
Thrust washer plastic PA 66 GF 35-X fiberglass reinforced.
Hinge pin stainless steel 1.4305.
Stud and washer steel, quality class 5.8.

Type:

Handle, stud and washer, blue chromate.
Thrust washer black.
Hinge pin natural finish.

Part Number Example:

K0789.1502205X20

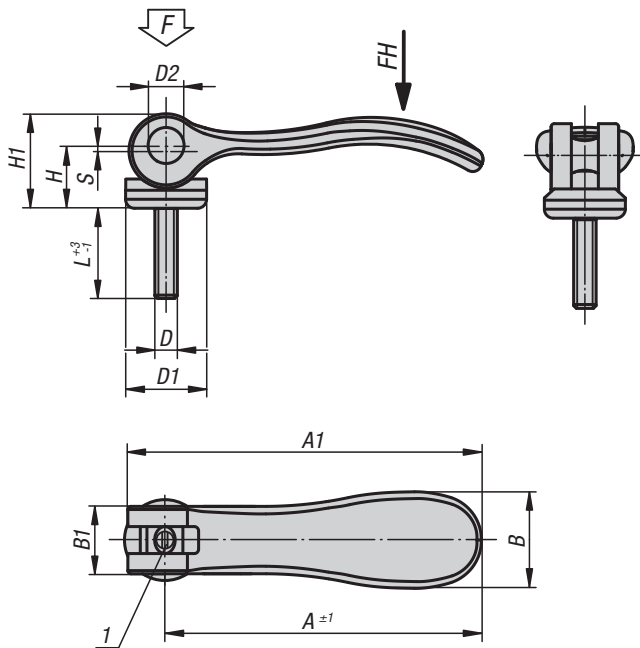
Note:

Adjustable Cam Levers are unique from the original Cam Lever Series in that Adjustable Cam Levers have a screwdriver slot located at the top end of the stud to allow for fine adjustment when clamping space is limited.

Plastic materials are subject to creep under compression (Retardation).

Drawing reference:

1) pin for the fine adjustment of the tensioning lever



KIPP Adjustable Cam Levers, external thread, steel, inch

Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0789.15022A1X	1	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0789.15022A2X	1	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0789.25022A3X	2	5/16-18	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0789.25022A4X	2	3/8-16	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Adjustable Cam Levers, external thread, steel, metric

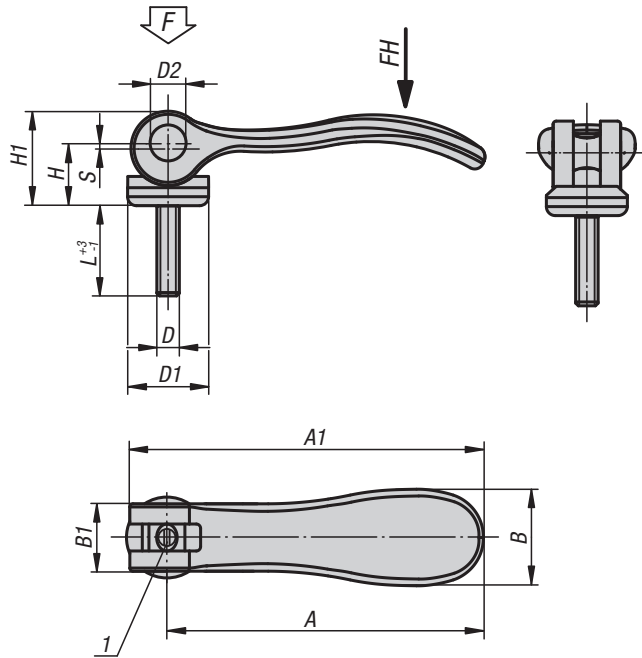
Item No.	Size	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH (N)
K0789.1502205X	1	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0789.1502206X	1	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0789.2502208X	2	M8	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0789.2502210X	2	M10	27,1	11	33,2	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Adjustable Cam Levers in stainless steel

with external thread



Expanded Line



Material:

Handle 1.4308;
thrust washer in fiberglass reinforced plastic PA 66 GF 35-X;
hinge pin, threaded stud and washer 1.4305

Type:

Handle electrolytic polished;
thrust washer black;
hinge pin, threaded stud and washer natural finish

Part Number Example:

K0647.15120A1X20
(include length L)

Note:

Adjustable Cam Levers are unique from the original Cam Lever Series in that Adjustable Cam Levers have a screwdriver slot located at the top end of the stud to allow for fine adjustment when clamping space is limited. Plastic materials are subject to creep under compression (Retardation).

Drawing reference:

1) pin for the fine adjustment of the tensioning lever

KIPP Adjustable Cam Levers with external thread, all stainless steel, inch

Item No.	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0647.95120ADX	6-32	12	6	14.4	11.5	9	13	36.2	41.7	10/15/30	1	1.5	90
K0647.95120AEX	8-32	12	6	14.4	11.5	9	13	36.2	41.7	10/15/30	1	1.5	90
K0647.05120A0X	10-24	15.4	8	18	13	11.2	17	52.3	59.1	20/30/40/50	1	2.5	100
K0647.05120AEX	8-32	15.4	8	18	13	11.2	17	52.3	59.1	15/20/30	1	2.5	100
K0647.05120A1X	10-32	15.4	8	18	13	11.2	17	52.3	59.1	20/30/40/50	1	2.5	100
K0647.15120A1X	10-32	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0647.15120A2X	1/4-20	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0647.25120A3X	5/16-18	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0647.25120A4X	3/8-16	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

KIPP Adjustable Cam Levers with external thread, all stainless steel, metric

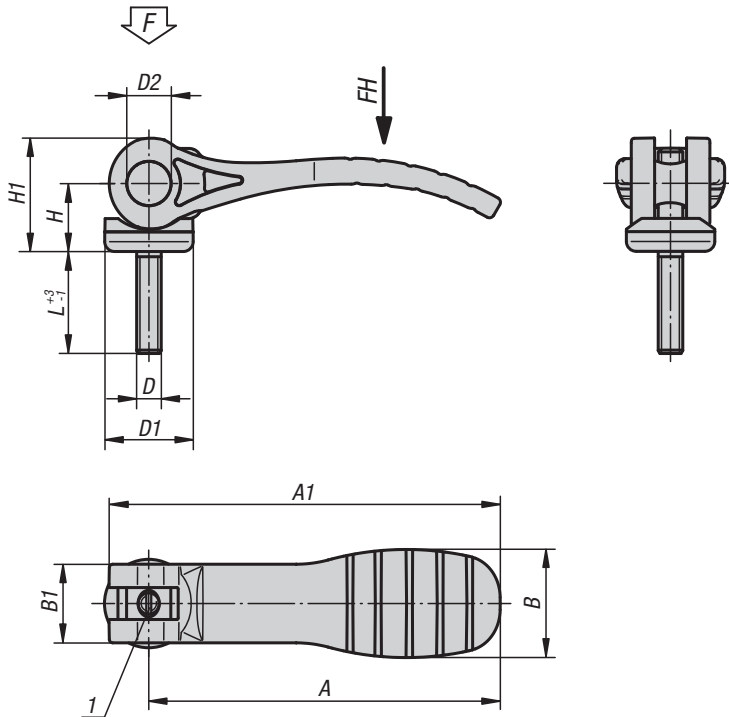
Item No.	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke S	Clamping force F (kN)	Hand force FH N
K0647.9512003X	M3	12	6	14.4	11.5	9	13	36.2	41.7	10/15/30	1	1.5	90
K0647.9512004X	M4	12	6	14.4	11.5	9	13	36.2	41.7	10/15/30	1	1.5	90
K0647.0512004X	M4	15.4	8	18	13	11.2	17	52.3	59.1	15/20/30	1	2.5	100
K0647.0512005X	M5	15.4	8	18	13	11.2	17	52.3	59.1	20/30/40/50	1	2.5	100
K0647.1512005X	M5	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0647.1512006X	M6	18,1	9	21,5	15	14,5	22	70,4	79,2	20/30/40/50	1,2	4	120
K0647.2512008X	M8	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350
K0647.2512010X	M10	27,1	11	33,3	24	18	28,5	96	108	25/30/40/50	1,5	8	350

Adjustable Cam Levers with plastic handle

with external thread, steel or stainless steel



INCH Parts METRIC Parts



Material:

Handles and thrust washer plastic PA 66 fiberglass reinforced;
hinge pins stainless steel 1.4305;
studs and washer steel quality class 5.8
or stainless steel 1.4305

Type:

Handle and thrust washer black;
hinge pin natural finish;
threaded stud and washer in steel blue chromate
or stainless steel natural finish

Part Number Example:

K0648.15211A1X20 (include length L)

Note:

Adjustable Cam Levers are unique from the original Cam Lever Series in that Adjustable Cam Levers have a screwdriver slot located at the top end of the stud to allow for fine adjustment when clamping space is limited.

Plastics are subject to creeping under compression (retardation), this can cause reduced clamping force.

Drawing reference:

1) pin for the fine adjustment of the tensioning lever

KIPP Adjustable Cam Levers with plastic handle with external thread, inch

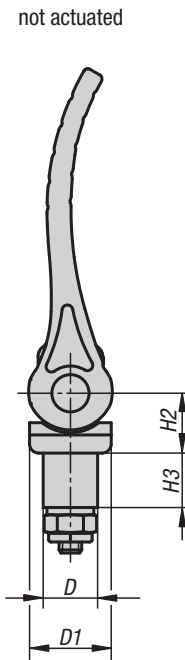
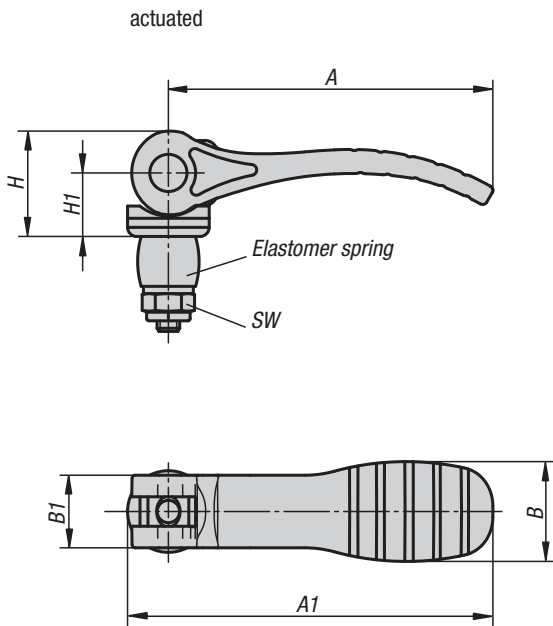
Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke	Clamping force F (kN)	Hand force FH (N)
K0648.15211A1X	K0648.15311A1X	10-32	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0648.15211A2X	K0648.15311A2X	1/4-20	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0648.25211A3X	K0648.25311A3X	5/16-18	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170
K0648.25211A4X	K0648.25311A4X	3/8-16	27,1	11	33	24,2	16,2	27,7	100	110	25/30/40/50	1,5	5	170

KIPP Adjustable Cam Levers with plastic handle with external thread, metric

Item No. steel	Item No. stainless steel	D	D1	D2	B	B1	H	H1	A	A1	L	Stroke	Clamping force F (kN)	Hand force FH (N)
K0648.1521105X	K0648.1531105X	M5	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0648.1521106X	K0648.1531106X	M6	18,1	9	22	16	14	23,4	71,5	79,6	20/30/40/50	1,15	2,5	125
K0648.2521108X	K0648.2531108X	M8	27,1	11	33	24	16,2	27,7	100	110	25/30/40/50	1,5	5	170
K0648.2521110X	K0648.2531110X	M10	27,1	11	33	24	16,2	27,7	100	110	25/30/40/50	1,5	5	170

Cam Levers expansion

METRIC
Parts



Material:

Handle and thrust washer fiberglass reinforced plastic PA 66;
hinge pin stainless steel 1.4305;
stud and washer steel quality class 5.8
PUR elastomer spring

Type:

Handles and thrust washer black;
hinge pins, natural finish;
studs and washer, blue chromate;
hexagon nut with clamping element and thrust washer, blue chromate.

Part Number Example:

K0118.121112X12

Note:

Actuating the handle causes the elastomer spring to expand and form to the surrounding surface. The amount of expansion of the elastomer spring and hence the clamping force can be adjusted using the nut with clamping element. Simultaneously, the clamping element nut ensures that the preset clamping force remains unchanged when the clamp is released.

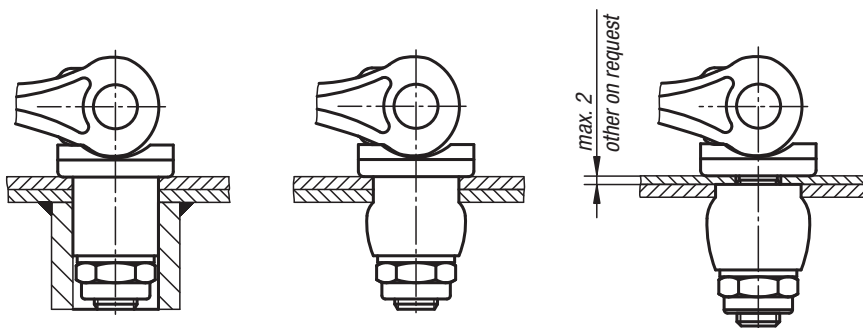
Application:

The specified holding forces are not suitable for constant loads.

Full clamping bore

Sheet metal clamping 1

Sheet metal clamping 2



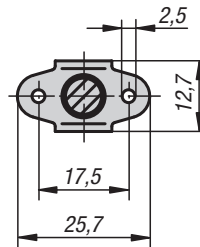
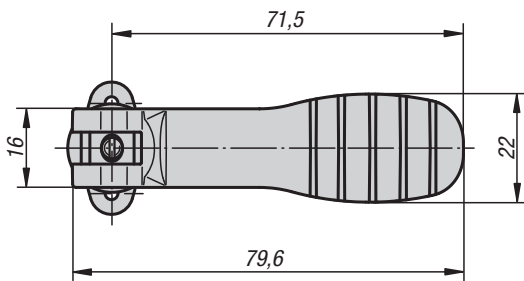
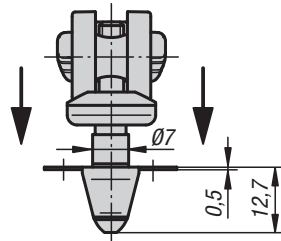
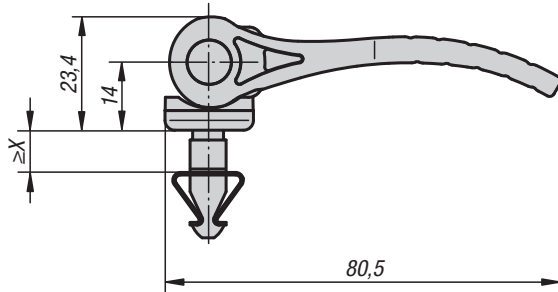
KIPP Cam Levers expansion, metric

Item No.	Size	D	D1	B	B1	H	H1	H2	H3	A	A1	SW	Clamping force ca. N clamp bore (no permanent load)	Clamping force ca. N plate clamping (no permanent load)
K0118.121112X12	1	12	18,1	22	16	23,2	14	12,85	12	71,5	79,6	10	100	50
K0118.121114X12	1	14	18,1	22	16	23,2	14	12,85	12	71,5	79,6	10	150	60
K0118.221116X20	2	16	27,1	33	24	27,8	16,2	14,7	20	99,9	110	13	350	60
K0118.221118X20	2	18	27,1	33	24	27,8	16,2	14,7	20	99,9	110	13	350	100
K0118.221120X20	2	20	27,1	33	24	27,8	16,2	14,7	20	99,9	110	16	350	100

Cam Levers

with quick lock

METRIC
Parts



Material:

Handle and thrust washer fiberglass reinforced plastic PA66;
hinge pin in stainless steel 1.4305;
locking pin in steel 1.0718;
spring clip in stainless steel 1.4310

Type:

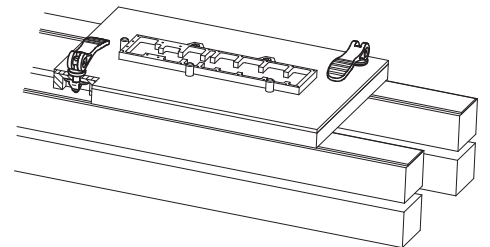
Handle and thrust washer black;
hinge pin natural finish;
locking pin blue chromate;
spring clip passivated

Part Number Example:

K0751.121107X2

Note:

A sheet metal element can be positioned by engaging the spring clip. The sheet metal element is then clamped using the handle.
Plastic materials are subject to creeping under compression (retardation).

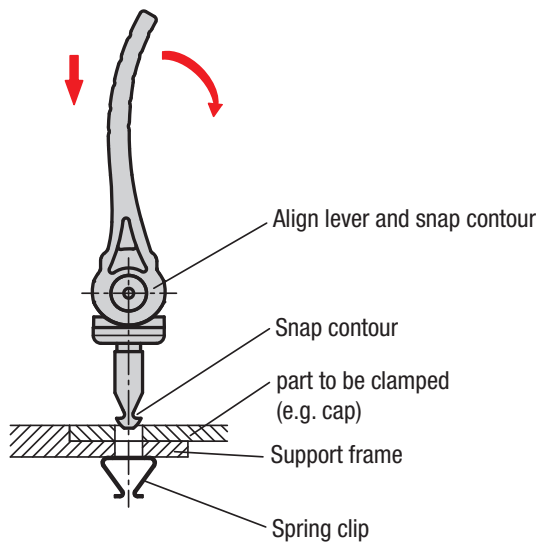


KIPP Cam Levers with quick lock, metric

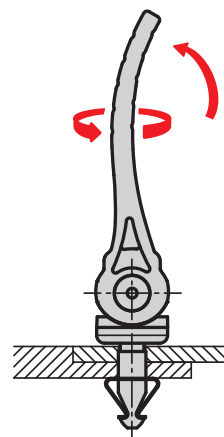
Item No.	X min. mat. thickness	Clamping force ca. N
K0751.121107X2	2	500
K0751.121107X4	4	500
K0751.121107X6	6	500
K0751.121107X8	8	500

Installation instructions for Cam Levers with quick lock

Push to insert and swivel to clamp



Swivel and twist to loosen



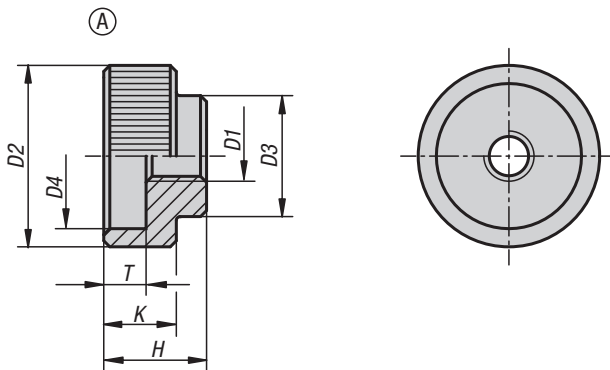
Knurled Nuts

in steel or stainless steel, DIN 6303



INCH
Parts

METRIC
Parts



Material:
Free-cutting steel 1.0718.
Stainless steel 1.4305.

Type:
Free-cutting steel black oxide finish.
Stainless steel natural finish.

Part Number Example:
K0137.1A02

Drawing reference:
Style A: without pin hole

KIPP Knurled Nuts, in stainless steel, DIN 6303, inch

Item No.	Base material	D1	D2	D3	D4	H	K	T
K0137.1A02	Stainless steel	10-24	20	14	15	12	8	5
K0137.1A22	Stainless steel	1/4-20	24	16	18	14	10	6
K0137.1A32	Stainless steel	5/16-18	30	20	24	17	12	7
K0137.1A42	Stainless steel	3/8-16	36	28	30	20	14	8
K0137.1A52	Stainless steel	1/2-13	40	32	34	24	16	10

KIPP Knurled Nuts, in steel or stainless steel, DIN 6303, metric

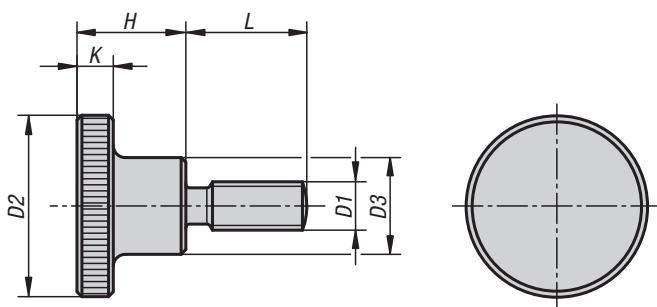
Item No.	Base material	D1	D2	D3	D4	H	K	T
K0137.105	Free-cutting steel	M5	20	14	15	12	8	5
K0137.106	Free-cutting steel	M6	24	16	18	14	10	6
K0137.108	Free-cutting steel	M8	30	20	24	17	12	7
K0137.110	Free-cutting steel	M10	36	28	30	20	14	8
K0137.112	Free-cutting steel	M12	40	32	34	24	16	10
K0137.1052	Stainless steel	M5	20	14	15	12	8	5
K0137.1062	Stainless steel	M6	24	16	18	14	10	6
K0137.1082	Stainless steel	M8	30	20	24	17	12	7
K0137.1102	Stainless steel	M10	36	28	30	20	14	8
K0137.1122	Stainless steel	M12	40	32	34	24	16	10

Knurled Thumb Screws

in steel or stainless steel, DIN 464



INCH Parts METRIC Parts



Material:

Free-cutting steel 1.0718.
Stainless steel 1.4305.

Type:

Free-cutting steel black oxide finish.
Stainless steel natural finish.

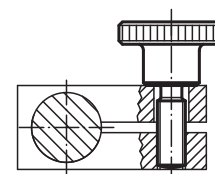
Part Number Example:

K0140.AE2X10
(include length L)

Note:

The knurled thumb screw is supplied with shaft in this length

- D1 = 8-32 / M4 = L=20;
 - D1 = 10-24 / M5 = L=20;
 - D1 = 1/4-20 / M6 = L=25;
 - D1 = M8 = L=30;
 - D1 = M10 = L=40
- (no thread undercut)



KIPP Knurled Thumb Screws, in stainless steel, DIN 464, inch

Item No. Stainless steel	D1	D2	D3	L	H	K
K0140.AE2X10	8-32	16	8	10/16/20	9,5	3,5
K0140.A02X10	10-24	20	10	10/16/20	11,5	4
K0140.A22X10	1/4-20	24	12	10/16/20/25	15	5
K0140.A42X20	3/8-16	36	20	20/25	23	8
K0140.A32X16	5/16-18	30	16	16/20/25	18	6

KIPP Knurled Thumb Screws, in steel or stainless steel, DIN 464, metric

Item No. Free-cutting steel	Item No. Stainless steel	D1	D2	D3	L	H	K
K0140.04X	K0140.042X	M4	16	8	10/16/20	9,5	3,5
K0140.05X	K0140.052X	M5	20	10	10/16/20	11,5	4
K0140.06X	K0140.062X	M6	24	12	10/16/20/25	15	5
K0140.08X	K0140.082X	M8	30	16	16/20/25/30	18	6
K0140.10X	K0140.102X	M10	36	20	20/25/30/40	23	8

Aluminum Palm Grips

similar to DIN 6335

METRIC
Parts



Material:

Aluminum.

Type:

Natural finish tumbled or ground and polished.

Part Number Example:

K0145.104008

On request:

Blank palm grips (not tumbled).

Drawing reference:

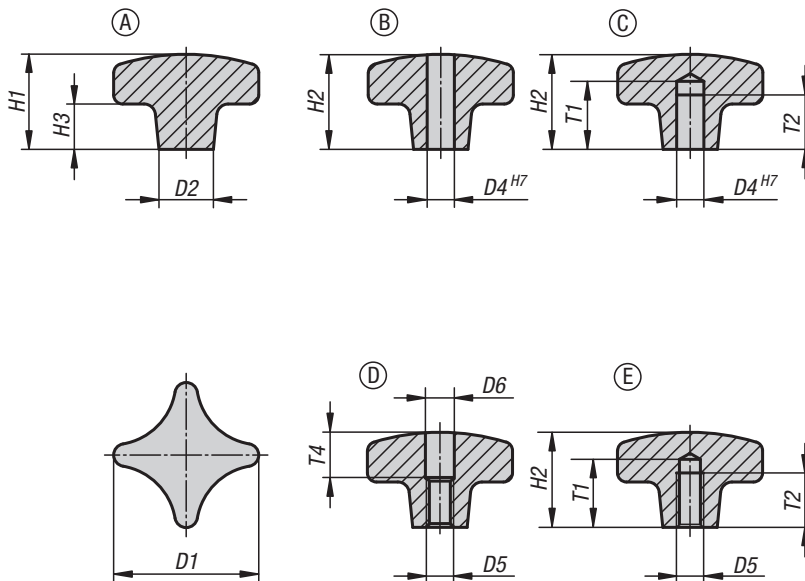
Style A: blank

Style B: drilled through

Style C: blind hole

Style D: tapped and drilled

Style E: tapped blind hole



Aluminum Palm Grips

similar to DIN 6335



KIPP Aluminum Palm Grips similar to DIN 6335, metric

Item No.	Style	Style	D1	D2	H1	H3
K0145.104008	tumbled	A	40	14	26	14
K0145.105010	tumbled	A	50	18	34	20
K0145.106312	tumbled	A	63	25	42	25
K0145.108016	tumbled	A	80	25	52	30

Item No. tumbled	Item No. polished	Style	D1	D2	D4	H2
K0145.204008	K0145.2040082	B	40	14	8	25
K0145.205010	K0145.2050102	B	50	18	10	32
K0145.206312	K0145.2063122	B	63	25	12	40
K0145.208016	K0145.2080162	B	80	25	16	50

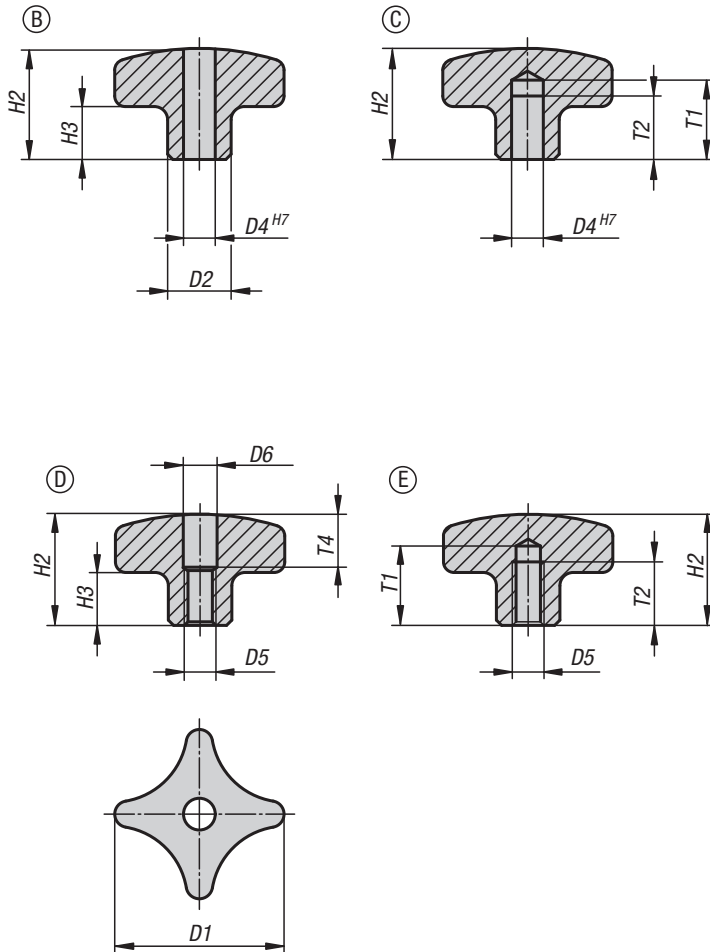
Item No. tumbled	Item No. polished	Style	D1	D2	D4	H2	T1	T2
K0145.304008	K0145.3040082	C	40	14	8	25	18	15
K0145.305010	K0145.3050102	C	50	18	10	32	21	18
K0145.306312	K0145.3063122	C	63	25	12	40	25	22
K0145.308016	K0145.3080162	C	80	25	16	50	32	28

Item No. tumbled	Item No. polished	Style	D1	D2	D5	D6	H2	T4
K0145.404008	K0145.4040082	D	40	14	M8	8,4	25	12
K0145.405010	K0145.4050102	D	50	18	M10	10,5	32	16
K0145.406312	K0145.4063122	D	63	25	M12	13	40	20
K0145.408016	K0145.4080162	D	80	25	M16	17	50	30

Item No. tumbled	Item No. polished	Style	D1	D2	D5	H2	T1	T2
K0145.504008	K0145.5040082	E	40	14	M8	25	18	15
K0145.505010	K0145.5050102	E	50	18	M10	32	21	18
K0145.506312	K0145.5063122	E	63	25	M12	40	25	22
K0145.508016	K0145.5080162	E	80	25	M16	50	32	28

Palm Grips

in stainless steel similar to DIN 6335



Material:
Stainless steel 1.4308

Type:
Ground and polished

Part Number Example:
K0146.2032CM2

On request:
With external thread.

Drawing reference:
Style B: reamed through hole
Style C: reamed blind hole
Style D: tapped with counter bore
Style E: tapped blind hole

KIPP Palm Grips in stainless steel similar to DIN 6335, inch

Item No. Style B	Item No. Style C	Style	D1	D2	D4	H2	H3	T1	T2
K0146.2032CM2	K0146.3032CM2	polished	32	12	0,25	21	10	-/15	-/12
K0146.2040CN2	K0146.3040CN2	polished	40	14	0,312	26	13	-/18	-/15
K0146.2050C02	K0146.3050C02	polished	50	18	0,375	34	17	-/21	-/18
K0146.2063CP2	K0146.3063CP2	polished	63	20	0,5	42	21	-/25	-/22

KIPP Palm Grips in stainless steel similar to DIN 6335, inch

Item No. Style D	Item No. Style E	Style	D1	D2	D5	D6	H2	H3	T1	T2	T4
K0146.4032A22	K0146.5032A22	polished	32	12	1/4-20	6,4/-	21	10	-/15	-/12	10/-
K0146.4040A32	K0146.5040A32	polished	40	14	5/16-18	8,4/-	26	13	-/18	-/15	12/-
K0146.4050A42	K0146.5050A42	polished	50	18	3/8-16	10,5/-	34	17	-/21	-/18	16/-
K0146.4063A52	K0146.5063A52	polished	63	20	1/2-13	13/-	42	21	-/25	-/22	20/-

Palm Grips

in stainless steel similar to DIN 6335



KIPP Palm Grips in stainless steel similar to DIN 6335, metric

Item No. Style B	Item No. Style C	Style	D1	D2	D4	H2	H3	T1	T2
K0146.2032062	K0146.3032062	polished	32	12	6	21	10	-/15	-/12
K0146.2040082	K0146.3040082	polished	40	14	8	26	13	-/18	-/15
K0146.2050102	K0146.3050102	polished	50	18	10	34	17	-/21	-/18
K0146.2063122	K0146.3063122	polished	63	20	12	42	21	-/25	-/22

KIPP Palm Grips in stainless steel similar to DIN 6335, metric

Item No. Style D	Item No. Style E	Style	D1	D2	D5	D6	H2	H3	T1	T2	T4
K0146.4032062	K0146.5032062	polished	32	12	M6	6,4/-	21	10	-/15	-/12	10/-
K0146.4040082	K0146.5040082	polished	40	14	M8	8,4/-	26	13	-/18	-/15	12/-
K0146.4050102	K0146.5050102	polished	50	18	M10	10,5/-	34	17	-/21	-/18	16/-
K0146.4063122	K0146.5063122	polished	63	20	M12	13/-	42	21	-/25	-/22	20/-

Palm Grips

gray cast iron DIN 6335



INCH Parts
METRIC Parts

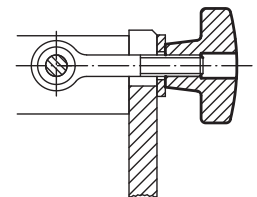
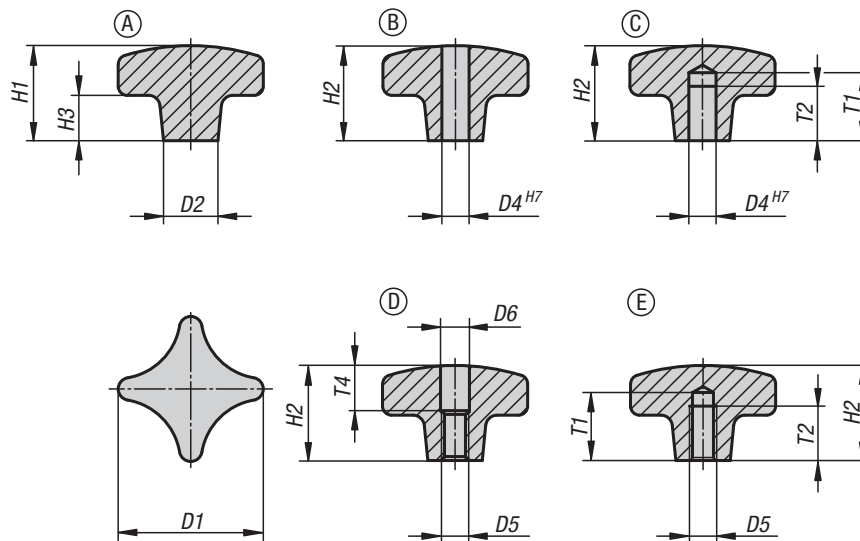


Material:
Gray cast iron GJL 200

Type:
All styles have a natural tumbled finish.

Part Number Example:
K0147.2CM

Drawing reference:
Style A: blank
Style B: reamed through hole
Style C: reamed blind hole
Style D: tapped with counterbore
Style E: tapped blind hole



KIPP Palm Grips gray cast iron DIN 6335, style B, inch

Item No.	Style	Style	D1	D2	D4	H2	H3
K0147.2CM	tumbled	B	32	12	0,25	20	10
K0147.2CN	tumbled	B	40	14	0,312	25	14
K0147.2CO	tumbled	B	50	18	0,375	32	20
K0147.2CP	tumbled	B	63	20	0,5	40	25
K0147.2CQ	tumbled	B	80	25	0,625	50	30
K0147.2CR	tumbled	B	100	32	0,75	63	38

KIPP Palm Grips gray cast iron DIN 6335, inch

Item No. Style C	Item No. Style D	Item No. Style E	Style	D1	D2	D4	D5	D6	H2	T1	T2	T4
K0147.3CM	K0147.4A2	K0147.5A2	tumbled	32	12	0,25/-/-	-/1/4-20/1/4-20	-/6,4/-	-/20/-	15/-/15	12/-/12	-/10/-
K0147.3CN	K0147.4A3	K0147.5A3	tumbled	40	14	0,312/-/-	-/5/16-18/5/16-18	-/8,4/-	-/25/-	18/-/18	15/-/15	-/12/-
K0147.3CO	K0147.4A4	K0147.5A4	tumbled	50	18	0,375/-/-	-/3/8-16/3/8-16	-/10,5/-	-/32/-	21/-/21	18/-/18	-/16/-
K0147.3CP	K0147.4A5	K0147.5A5	tumbled	63	20	0,5/-/-	-/1/2-13/1/2-13	-/13/-	-/40/-	25/-/25	22/-/22	-/20/-
K0147.3CQ	K0147.4A6	K0147.5A6	tumbled	80	25	0,625/-/-	-/5/8-11/5/8-11	-/17/-	-/50/-	32/-/32	28/-/28	-/30/-
K0147.3CR	K0147.4A7	K0147.5A7	tumbled	100	32	0,75/-/-	-/3/4-10/3/4-10	-/21/-	-/63/-	40/-/40	36/-/36	-/38/-

Palm Grips

gray cast iron DIN 6335



KIPP Palm Grips gray cast iron DIN 6335, metric

Item No. Style A	Item No. Style B	Version	D1	D2	D4	H1	H2	H3
K0147.106	K0147.206	tumbled	32	12	-/6	21/-	-/20	10/-
K0147.108	K0147.208	tumbled	40	14	-/8	26/-	-/25	14/-
K0147.110	K0147.210	tumbled	50	18	-/10	34/-	-/32	20/-
K0147.112	K0147.212	tumbled	63	20	-/12	42/-	-/40	25/-
K0147.116	K0147.216	tumbled	80	25	-/16	52/-	-/50	30/-
K0147.120	K0147.220	tumbled	100	32	-/20	65/-	-/63	38/-

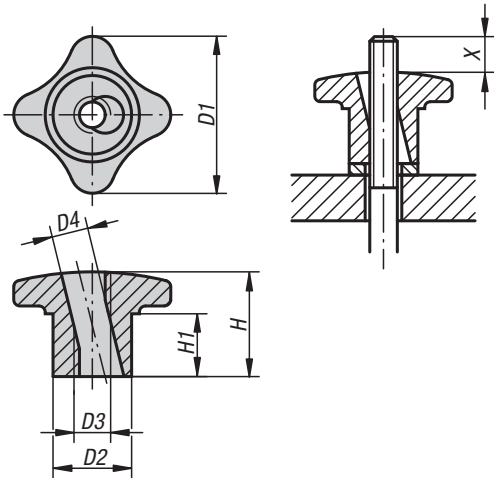
KIPP Palm Grips gray cast iron DIN 6335, metric

Item No. Style C	Item No. Style D	Item No. Style E	Style	D1	D2	D4	D5	D6	H2	T1	T2	T4
K0147.306	K0147.406	K0147.506	tumbled	32	12	6/-/	-/M6/M6	-/6,4/-	20	15/-/15	12/-/12	-/10/-
K0147.308	K0147.408	K0147.508	tumbled	40	14	8/-/	-/M8/M8	-/8,4/-	25	18/-/18	15/-/15	-/12/-
K0147.310	K0147.410	K0147.510	tumbled	50	18	10/-/	-/M10/M10	-/10,5/-	32	21/-/21	18/-/18	-/16/-
K0147.312	K0147.412	K0147.512	tumbled	63	20	12/-/	-/M12/M12	-/13/-	40	25/-/25	22/-/22	-/20/-
K0147.316	K0147.416	K0147.516	tumbled	80	25	16/-/	-/M16/M16	-/17/-	50	32/-/32	28/-/28	-/30/-
K0147.320	K0147.420	K0147.520	tumbled	100	32	20/-/	-/M20/M20	-/21/-	63	40/-/40	36/-/36	-/38/-

Quick-Acting Palm Grips

in gray cast iron

METRIC
Parts



Material:

Gray cast iron GJL 300

Type:

Tumbled

Part Number Example:

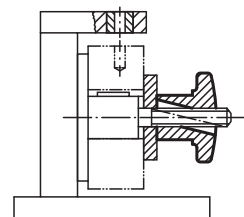
K0683.08

Note:

Quick-Acting palm grips can be used on all fixtures that do not require a high clamping force. Tilt the grip to slide on, then straighten it to engage the threads.

Drawing reference:

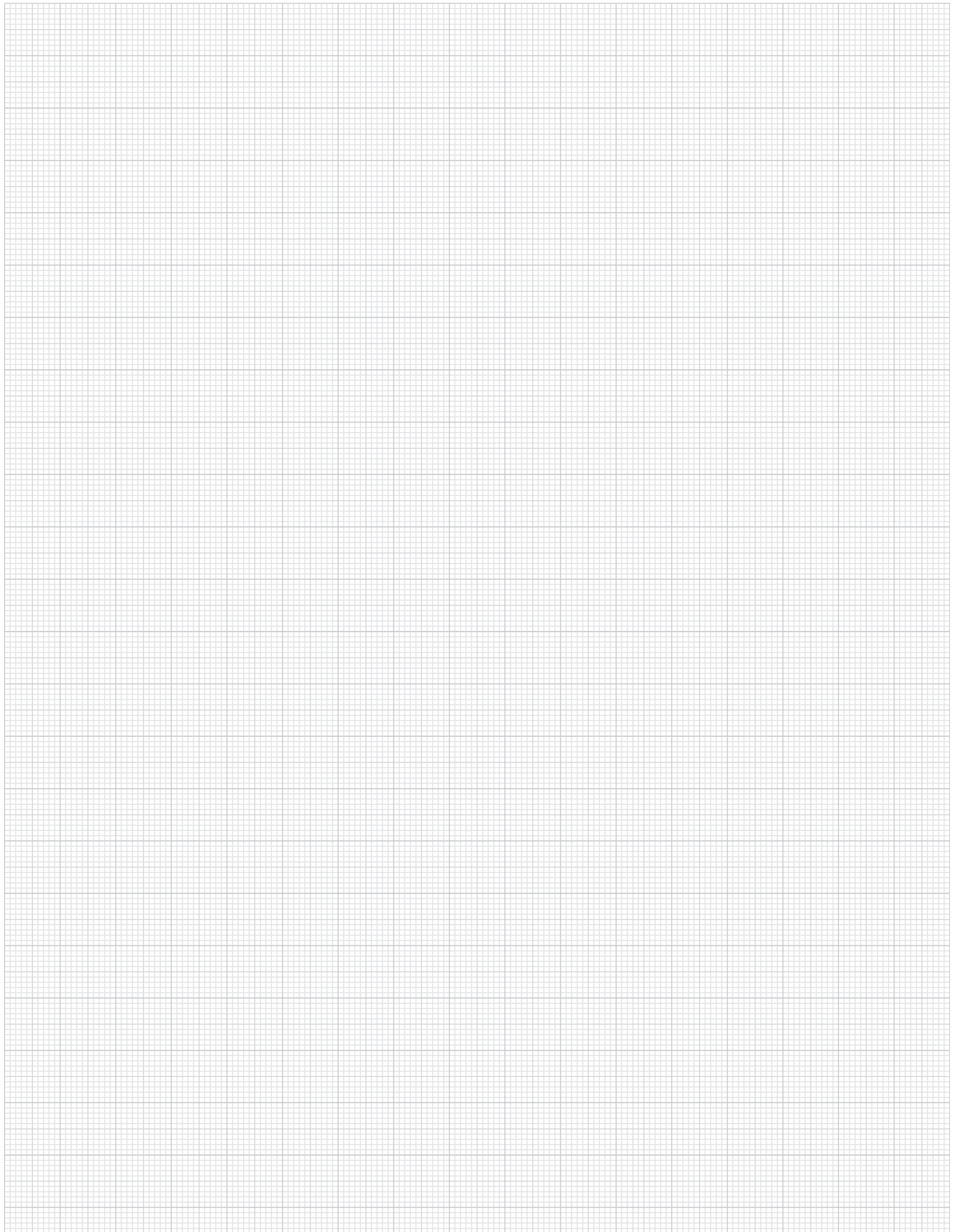
X: The stud should be several mm longer than height „H“



KIPP Quick-Acting Palm Grips in gray cast iron, metric

Item No.	D1	D2	D3	D4	H	H1
K0683.06	30	15	M6	7	20	10
K0683.08	40	18	M8	9,4	25	14
K0683.10	50	21	M10	11,3	30	16
K0683.12	60	26	M12	13,1	35	19
K0683.14	70	30	M14	15,6	40	22
K0683.16	80	34	M16	17,6	45	25

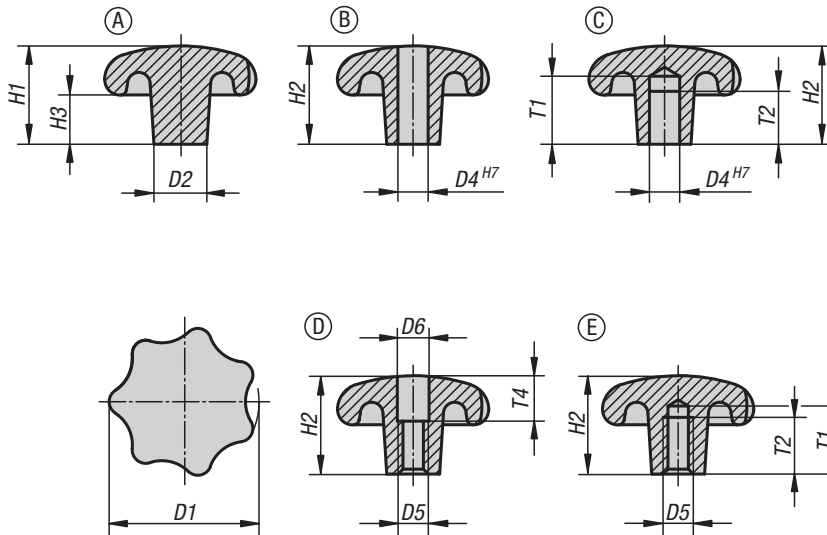
Notes:



Aluminum Star Grips

similar to DIN 6336

METRIC
Parts



Material:

Aluminum.

Type:

Natural finish tumbled or ground and polished.

Part Number Example:

K0149.14008

On request:

Blank star grips (not tumbled).

Drawing reference:

Style A: blank

Style B: drilled through

Style C: blind hole

Style D: tapped and counterbored

Style E: tapped blind hole

Aluminum Star Grips

similar to DIN 6336



KIPP Aluminum star grips similar to DIN 6336, metric

Item No.	Style	Style	D1	D2	H1	H3
K0149.14008	tumbled	A	40	14	26	13
K0149.15010	tumbled	A	50	18	34	17
K0149.16312	tumbled	A	63	20	42	21
K0149.18016	tumbled	A	80	25	52	25

Item No. tumbled	Item No. polished	Style	D1	D2	D4	H2
K0149.24008	K0149.240082	B	40	14	8	25
K0149.25010	K0149.250102	B	50	18	10	32
K0149.26312	K0149.263122	B	63	20	12	40
K0149.28016	K0149.280162	B	80	25	16	50

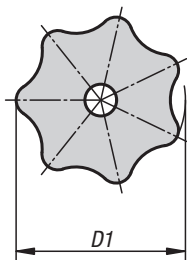
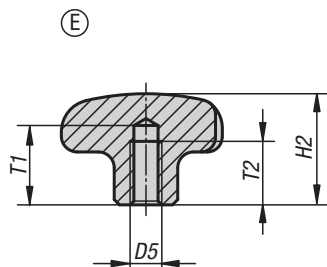
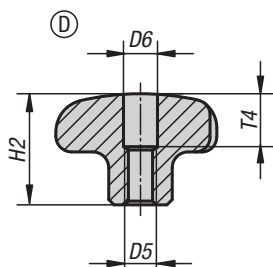
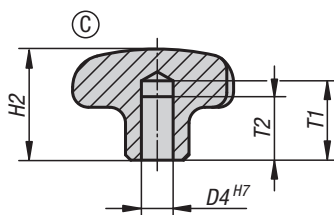
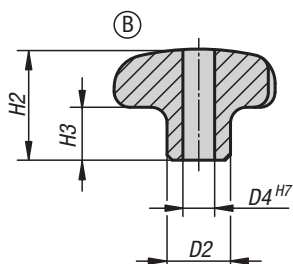
Item No. tumbled	Item No. polished	Style	D1	D2	D4	H2	T1	T2
K0149.34008	K0149.340082	C	40	14	8	25	18	15
K0149.35010	K0149.350102	C	50	18	10	32	21	18
K0149.36312	K0149.363122	C	63	20	12	40	25	22
K0149.38016	K0149.380162	C	80	25	16	50	32	28

Item No. tumbled	Item No. polished	Style	D1	D2	D5	D6	H2	T4
K0149.44008	K0149.440082	D	40	14	M8	8,4	25	12
K0149.45010	K0149.450102	D	50	18	M10	10,5	32	16
K0149.46312	K0149.463122	D	63	20	M12	13	40	20
K0149.48016	K0149.480162	D	80	25	M16	17	50	30

Item No. tumbled	Item No. polished	Style	D1	D2	D5	H2	T1	T2
K0149.54008	K0149.540082	E	40	14	M8	25	18	15
K0149.55010	K0149.550102	E	50	18	M10	32	21	18
K0149.56312	K0149.563122	E	63	20	M12	40	25	22
K0149.58016	K0149.580162	E	80	25	M16	50	32	28

Star Grips

in stainless steel similar to DIN 6336



Material:

Stainless steel 1.4308

Type:

Ground and polished

Part Number Example:

K0150.232CM2

Drawing reference:

Style B: reamed through hole

Style C: reamed blind hole

Style D: tapped with counterbore

Style E: tapped blind hole

KIPP Star Grips in stainless steel similar to DIN 6336, inch

Item No. Style B	Item No. Style C	Version	D1	D2	D4	H2	H3	T1	T2
K0150.232CM2	K0150.332CM2	polished	32	12	0,25	21	10	-/15	-/12
K0150.240CN2	K0150.340CN2	polished	40	14	0,312	26	13	-/18	-/15
K0150.250C02	K0150.350C02	polished	50	18	0,375	34	17	-/21	-/18
K0150.263CP2	K0150.363CP2	polished	63	20	0,5	42	21	-/25	-/22

KIPP Star Grips in stainless steel similar to DIN 6336, inch

Item No. Style D	Item No. Style E	Version	D1	D2	D5	D6	H2	H3	T1	T2	T4
K0150.432A22	K0150.532A22	polished	32	12	1/4-20	6,4/-	21	10	-/15	-/12	10/-
K0150.440A32	K0150.540A32	polished	40	14	5/16-18	8,4/-	26	13	-/18	-/15	12/-
K0150.450A42	K0150.550A42	polished	50	18	3/8-16	10,5/-	34	17	-/21	-/18	16/-
K0150.463A52	K0150.563A52	polished	63	20	1/2-13	13/-	42	21	-/25	-/22	20/-

Star Grips

in stainless steel similar to DIN 6336



KIPP Star Grips in stainless steel similar to DIN 6336, metric

Item No. Style B	Item No. Style C	Version	D1	D2	D4	H2	H3	T1	T2
K0150.232062	K0150.332062	polished	32	12	6	21	10	-/15	-/12
K0150.240082	K0150.340082	polished	40	14	8	26	13	-/18	-/15
K0150.250102	K0150.350102	polished	50	18	10	34	17	-/21	-/18
K0150.263122	K0150.363122	polished	63	20	12	42	21	-/25	-/22

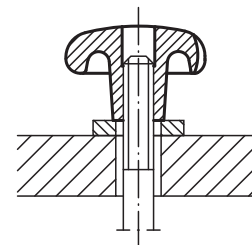
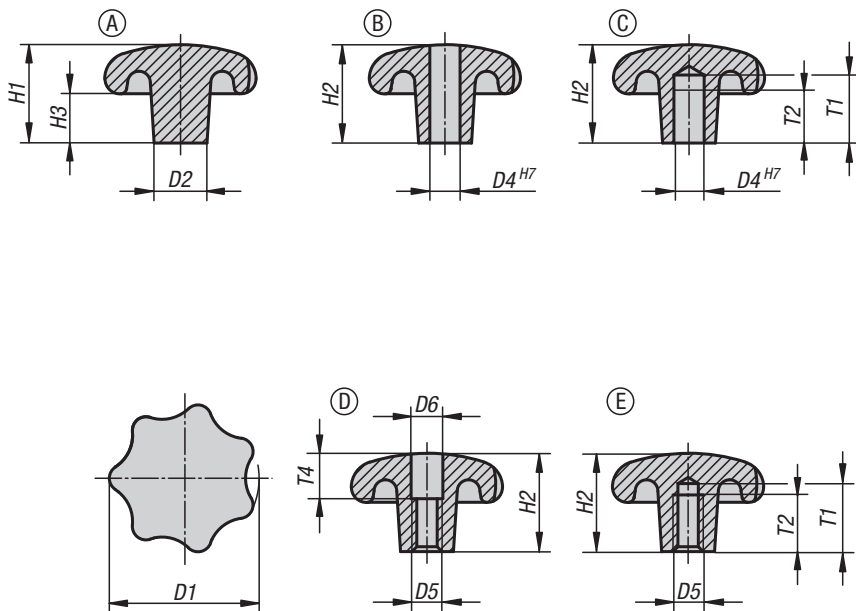
KIPP Star Grips in stainless steel similar to DIN 6336, metric

Item No. Style D	Item No. Style E	Version	D1	D2	D5	D6	H2	H3	T1	T2	T4
K0150.432062	K0150.532062	polished	32	12	M6	6,4/-	21	10	-/15	-/12	10/-
K0150.440082	K0150.540082	polished	40	14	M8	8,4/-	26	13	-/18	-/15	12/-
K0150.450102	K0150.550102	polished	50	18	M10	10,5/-	34	17	-/21	-/18	16/-
K0150.463122	K0150.563122	polished	63	20	M12	13/-	42	21	-/25	-/22	20/-

Star Grips

gray cast iron DIN 6336

INCH Parts METRIC Parts



Material:
Gray cast iron GJL 200

Type:
All styles have a natural tumbled finish.

Part Number Example:
K0151.2CM

On request:
Gray Cast Iron Star Grips black powder-coated.

Drawing reference:
Style A: blank
Style B: reamed through hole
Style C: reamed blind hole
Style D: tapped with counterbore
Style E: tapped blind hole

KIPP Star Grips gray cast iron DIN 6336, style B, inch

Item No.	Style	Style	D1	D2	D4	H2
K0151.2CM	B	tumbled	32	12	0,25	20
K0151.2CN	B	tumbled	40	14	0,312	25
K0151.2CO	B	tumbled	50	18	0,375	32
K0151.2CP	B	tumbled	63	20	0,5	40
K0151.2CQ	B	tumbled	80	25	0,625	50

KIPP Star Grips gray cast iron DIN 6336, inch

Item No. Style C	Item No. Style D	Item No. Style E	Style	D1	D2	D4	D5	D6	H2	T1	T2	T4
K0151.3CM	K0151.4A2	K0151.5A2	tumbled	32	12	0,25/-/	-1/4-20/1/4-20	-/6,4/-	20/20/20	15/-/15	12/-/28	-/10/-
K0151.3CN	K0151.4A3	K0151.5A3	tumbled	40	14	0,312/-/	-/5/16-18/5/16-18	-/8,4/-	25/25/25	18/-/18	15/-/15	-/12/-
K0151.3CO	K0151.4A4	K0151.5A4	tumbled	50	18	0,375/-/	-/3/8-16/3/8-16	-/10,5/-	32/32/32	21/-/21	18/-/18	-/16/-
K0151.3CP	K0151.4A5	K0151.5A5	tumbled	63	20	0,5/-/	-/1/2-13/1/2-13	-/13/-	40/40/40	25/-/25	22/-/22	-/20/-
K0151.3CQ	K0151.4A6	K0151.5A6	tumbled	80	25	0,625/-/	-/5/8-11/5/8-11	-/17/-	50/50/50	32/-/32	28/-/28	-/30/-

Star Grips

gray cast iron DIN 6336



KIPP Star Grips gray cast iron DIN 6336, metric

Item No. Style A	Item No. Style B	Version	D1	D2	D4	H1	H2	H3
K0151.106	K0151.206	tumbled	32	12	-/6	21/-	-/20	10/-
K0151.108	K0151.208	tumbled	40	14	-/8	26/-	-/25	13/-
K0151.110	K0151.210	tumbled	50	18	-/10	34/-	-/32	17/-
K0151.112	K0151.212	tumbled	63	20	-/12	42/-	-/40	21/-
K0151.116	K0151.216	tumbled	80	25	-/16	52/-	-/50	25/-

KIPP Star Grips gray cast iron DIN 6336, metric

Item No. Style C	Item No. Style D	Item No. Style E	Style	D1	D2	D4	D5	D6	H2	T1	T2	T4
K0151.306	K0151.406	K0151.506	tumbled	32	12	6/-/-	-/M6/M6	-/6,4/-	20/20/20	15/-/15	12/-/12	-/10/-
K0151.308	K0151.408	K0151.508	tumbled	40	14	8/-/-	-/M8/M8	-/8,4/-	25/25/25	18/-/18	15/-/15	-/12/-
K0151.310	K0151.410	K0151.510	tumbled	50	18	10/-/-	-/M10/M10	-/10,5/-	32/32/32	21/-/21	18/-/18	-/16/-
K0151.312	K0151.412	K0151.512	tumbled	63	20	12/-/-	-/M12/M12	-/13/-	40/40/40	25/-/25	22/-/22	-/20/-
K0151.316	K0151.416	K0151.516	tumbled	80	25	16/-/-	-/M16/M16	-/17/-	50/50/50	32/-/32	28/-/28	-/30/-

Star Grips

with plain steel bushing

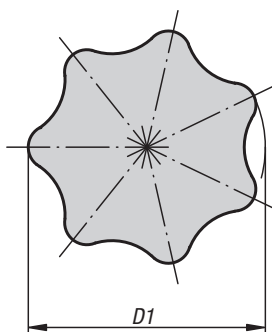
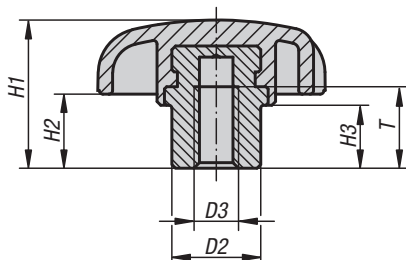
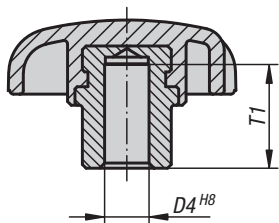


INCH
Parts

METRIC
Parts

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Material:

Black thermoplastic.

Steel quality class 5.8 or stainless steel 1.4305.

Type:

Steel parts blue chromate or stainless steel natural finish.

Part Number Example:

K0153.1CL

Note:

Star Grips with plain steel bushing are particularly suitable for cross pin and set screw applications.

Drawing reference:

Style H: reamed blind hole

Style K: tapped blind hole

KIPP Star Grips, with plain steel bushing, style H, inch

Item No.	Style	D4	T1	D1	D2	H1	H2	H3
K0153.1CL	H	0,188	9,5	25	10	16	8	6
K0153.1CM	H	0,25	12,5	32	13,5	21	11	9,5
K0153.1CM1	H	0,25	14	40	13,5	25	13	10
K0153.1CN	H	0,312	14	40	13,5	25	13	10
K0153.1CN1	H	0,312	18	50	19	32	17	12
K0153.1CO	H	0,375	18	50	19	32	17	12
K0153.1CO1	H	0,375	22	63	19	40	21	15
K0153.1CP	H	0,5	22	63	19	40	21	15
K0153.1CQ	H	0,625	22	63	23	40	21	15

KIPP Star Grips, with plain steel bushing, style K, inch

Item No.	Style	D3	T	D1	D2	H1	H2	H3
K0153.2A1	K	10-32	8,5	25	10	16	8	6
K0153.2A2	K	1/4-20	12	32	13,5	21	11	9,5
K0153.2A21	K	1/4-20	14	40	13,5	25	13	10
K0153.2A3	K	5/16-18	14	40	13,5	25	13	10
K0153.2A31	K	5/16-18	18	50	19	32	17	12
K0153.2A4	K	3/8-16	18	50	19	32	17	12
K0153.2A41	K	3/8-16	22	63	19	40	21	15
K0153.2A5	K	1/2-13	22	63	19	40	21	15
K0153.2A6	K	5/8-11	22	63	23	40	21	15

Star Grips

with plain steel bushing



KIPP Star Grips, with plain steel bushing, style H, metric

Item No.	Component material	Style	D4	T1	D1	D2	H1	H2	H3
K0153.105	Steel	H	5	9,5	25	10	17	9	7
K0153.106	Steel	H	6	12,5	32	13,5	21	11	9,5
K0153.1061	Steel	H	6	12,5	40	13,5	25	13	10
K0153.108	Steel	H	8	12,5	40	13,5	25	13	10
K0153.1081	Steel	H	8	19,5	50	19	32	17	12
K0153.110	Steel	H	10	19,5	50	19	32	17	12
K0153.1101	Steel	H	10	19,5	63	19	37	18	12
K0153.112	Steel	H	12	19,5	63	19	37	18	12
K0153.116	Steel	H	16	24,5	63	23	40	21	15

KIPP Star Grips, with plain steel bushing, style K, metric

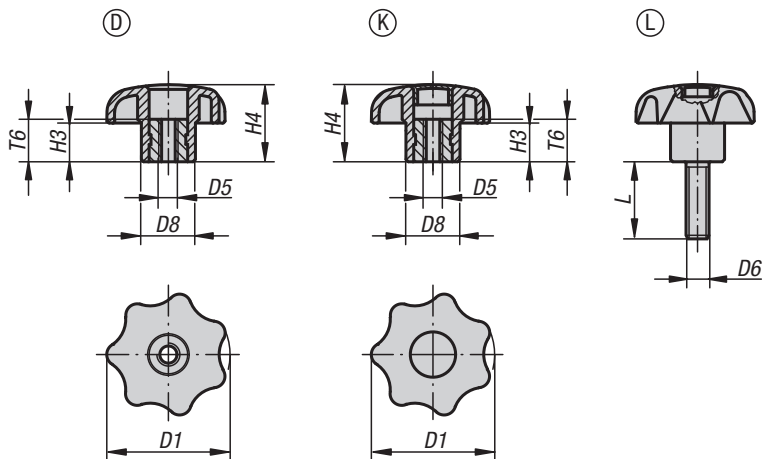
Item No.	Component material	Style	D3	T	D1	D2	H1	H2	H3
K0153.205	Steel	K	M5	9	25	10	17	9	7
K0153.206	Steel	K	M6	12	32	13,5	21	11	9,5
K0153.2061	Steel	K	M6	12	40	13,5	25	13	10
K0153.208	Steel	K	M8	12	40	13,5	25	13	10
K0153.2081	Steel	K	M8	17	50	19	32	17	12
K0153.210	Steel	K	M10	17	50	19	32	17	12
K0153.2101	Steel	K	M10	17	63	19	37	18	12
K0153.212	Steel	K	M12	17	63	19	37	18	12
K0153.216	Steel	K	M16	23	63	23	40	21	15
K0153.305	Stainless steel	K	M5	9	25	10	17	9	7
K0153.306	Stainless steel	K	M6	12	32	13,5	21	11	9,5
K0153.3061	Stainless steel	K	M6	12	40	13,5	25	13	10
K0153.308	Stainless steel	K	M8	12	40	13,5	25	13	10
K0153.3081	Stainless steel	K	M8	17	50	19	32	17	12
K0153.310	Stainless steel	K	M10	17	50	19	32	17	12
K0153.3101	Stainless steel	K	M10	17	63	19	37	18	12
K0153.312	Stainless steel	K	M12	17	63	19	37	18	12
K0153.316	Stainless steel	K	M16	23	63	23	40	21	15

Star Grips

steel parts in stainless steel similar to DIN 6336



INCH Parts METRIC Parts



Material:
Black thermoplastic,
bushing and threaded bolt stainless steel 1.4305

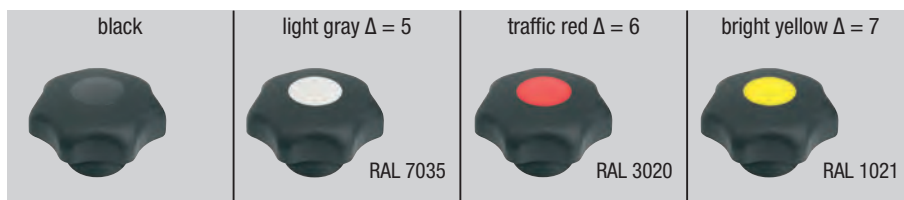
Type:
Bushing and threaded bolt natural finish

Part Number Example:
K0154.4A17X10
(cap color bright yellow; include length L)

Note:
Δ Add the desired cap color here; no color code is required for black caps.

On request:
Other colors or designs, such as company logo.

Drawing reference:
Style D: tapped through hole without cap
Style K: tapped blind hole with cap
Style L: with external thread



KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, internal thread, style D, inch

Item No.	Style	D1	D5	D8	H3	H4	T6
K0154.5A1	D	25	10-32	12	8	16	10
K0154.5A2	D	32	1/4-20	14	10	20	10
K0154.5A3	D	40	5/16-18	18	13	25	14
K0154.5A4	D	50	3/8-16	22	17	32	14
K0154.5A5	D	63	1/2-13	26	21	40	18

Star Grips

steel parts in stainless steel similar to DIN 6336



KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, internal thread, style K, inch

Item No.	Style	D1	D5	D8	H3	H4	T6
K0154.2A1Δ	K	25	10-32	12	8	16	10
K0154.2A2Δ	K	32	1/4-20	14	10	20	10
K0154.2A3Δ	K	40	5/16-18	18	13	25	14
K0154.2A4Δ	K	50	3/8-16	22	17	32	14
K0154.2A5Δ	K	63	1/2-13	26	21	40	18

KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, external thread, style L, inch

Item No.	Style	D1	D6	D8	H3	H4	L
K0154.4A1ΔX	L	25	10-32	12	8	16	10/20
K0154.4A2ΔX	L	32	1/4-20	14	10	20	20/30
K0154.4A3ΔX	L	40	5/16-18	18	13	25	20/40
K0154.4A4ΔX	L	50	3/8-16	22	17	32	20/40

KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, internal thread, style D, metric

Item No.	Style	D1	D5	D8	H3	H4	T6
K0154.505	D	25	M5	12	8	16	10
K0154.506	D	32	M6	14	10	20	10
K0154.508	D	40	M8	18	13	25	14
K0154.510	D	50	M10	22	17	32	14
K0154.512	D	63	M12	26	21	40	18

KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, internal thread, style K, metric

Item No.	Style	D1	D5	D8	H3	H4	T6
K0154.205Δ	K	25	M5	12	8	16	10
K0154.206Δ	K	32	M6	14	10	20	10
K0154.208Δ	K	40	M8	18	13	25	14
K0154.210Δ	K	50	M10	22	17	32	14
K0154.212Δ	K	63	M12	26	21	40	18

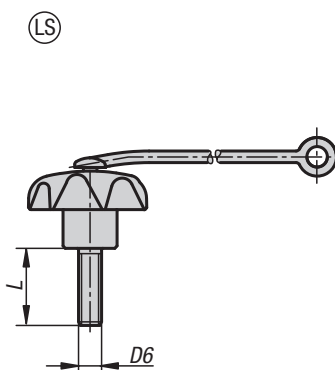
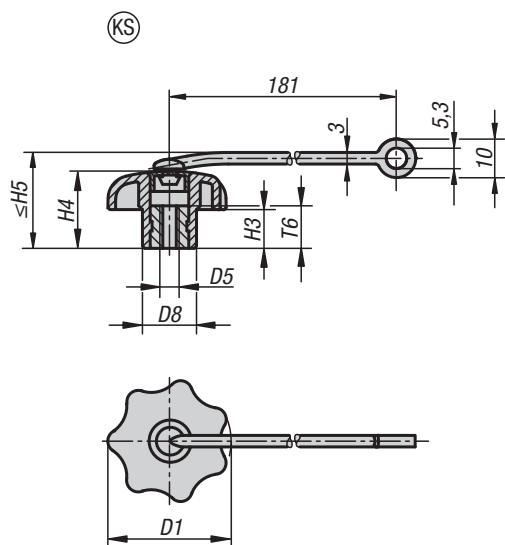
KIPP Star Grips, steel parts in stainless steel similar to DIN 6336, external thread, style L, metric

Item No.	Style	D1	D6	D8	H3	H4	L
K0154.405ΔX	L	25	M5	12	8	16	15/20
K0154.406ΔX	L	32	M6	14	10	20	20/30
K0154.408ΔX	L	40	M8	18	13	25	15/20/25/30/40/60
K0154.410ΔX	L	50	M10	22	17	32	25/30/40/50/60

Star Grips with safety lanyard

similar to DIN 6336, steel parts in stainless steel

METRIC
Parts



Material:

Grip thermoplastic.
Bushing and screw stainless steel 1.4305.
Safety lanyard elastic TPU.

Type:

Bushing and threaded bolt natural finish

Part Number Example:

K0154.7056X15
(cap color traffic red; include length L)

Note:

Δ Add the desired cap color here. No color code is required with a black cap color.

With the safety lanyard, the star grip can be attached to a base to prevent loss.

The star grip remains in the immediate vicinity of the object.

Inch versions in stock. Contact KIPP Inc. to purchase.

Assembly:

Do not stretch the lanyard during assembly.
Make sure that the anchor is not too far from where the star grip is to be used.

Accessories:

The safety lanyard is also available as an accessory, see K0743.04190.

Drawing reference:

Style KS: tapped blind hole with cap
Style LS: with external thread

Star Grips with safety lanyard

similar to DIN 6336, steel parts in stainless steel



KIPP Star grips with safety lanyard, steel parts in stainless steel, internal thread, style KS, metric

Item No.	Style	D1	D5	D8	H3	H4	H5 max.	T6
K0154.605Δ	KS	25	M5	12	8	16	22	10
K0154.606Δ	KS	32	M6	14	10	20	26	10
K0154.608Δ	KS	40	M8	18	13	25	31	14
K0154.610Δ	KS	50	M10	22	17	32	38	14
K0154.612Δ	KS	63	M12	26	21	40	46	18

KIPP Star grips with safety lanyard, steel parts in stainless steel, external thread, style LS, metric

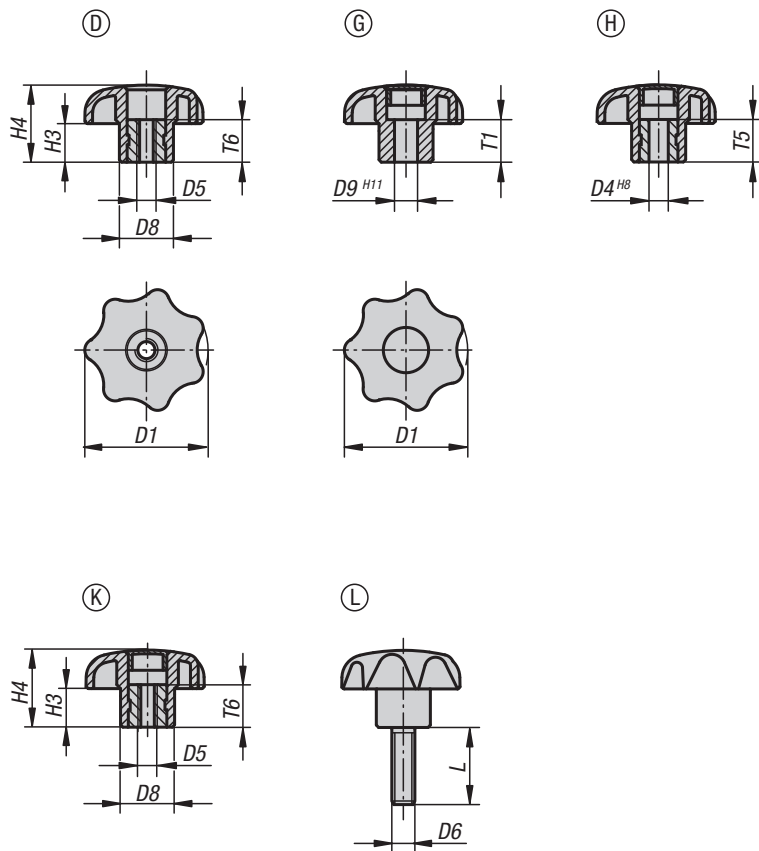
Item No.	Style	D1	D6	D8	H3	H4	H5 max.	L
K0154.705ΔX	LS	25	M5	12	8	16	22	15/20
K0154.706ΔX	LS	32	M6	14	10	20	26	20/30
K0154.708ΔX	LS	40	M8	18	13	25	31	15/20/25/30/40/60
K0154.710ΔX	LS	50	M10	22	17	32	38	25/30/40/50/60

Star Grips

similar to DIN 6336



INCH
Parts



Material:
Black thermoplastic,
bushing and threaded bolt in steel

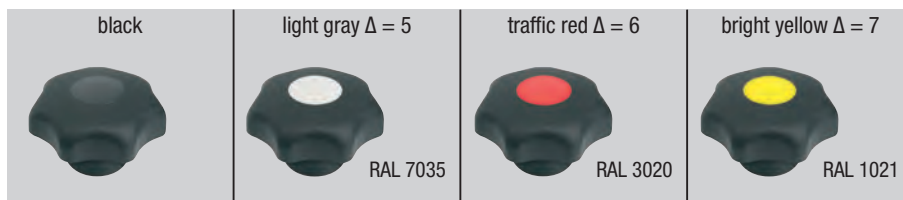
Type:
Bushing and threaded bolt galvanized
and blue chromate finish.

Part Number Example:
K0155.4A17X10
(cap color bright yellow; include length L)

Note:
Δ Add the desired cap color here; no color code is
required for black caps.

On request:
Other colors or designs, such as company logo.

Drawing reference:
Style D: tapped through hole without cap
Style G: blind reamed hole no bushing
Style H: blind reamed hole with bushing
Style K: tapped blind hole with cap
Style L: with external thread



KIPP Star Grips, similar to DIN 6336, internal thread, style D, inch

Item No.	Style	D1	D5	D8	H3	H4	T6
K0155.5AE	D	25	8-32	12	8	16	10
K0155.5A1	D	25	10-32	12	8	16	10
K0155.5A21	D	25	1/4-20	12	8	16	10
K0155.5A11	D	32	10-32	14	10	20	10
K0155.5A2	D	32	1/4-20	14	10	20	10
K0155.5A3	D	40	5/16-18	18	13	25	14
K0155.5A41	D	40	3/8-16	18	13	25	14
K0155.5A31	D	50	5/16-18	22	17	32	14
K0155.5A4	D	50	3/8-16	22	17	32	14
K0155.5A51	D	50	1/2-13	22	17	32	18
K0155.5A42	D	63	3/8-16	26	21	40	14
K0155.5A5	D	63	1/2-13	26	21	40	18
K0155.5A6	D	63	5/8-11	26	21	40	18

Star Grips

similar to DIN 6336



KIPP Star Grips, similar to DIN 6336, internal thread, style K, inch

Item No.	Style	D1	D5	D8	H3	H4	T6
K0155.2AEΔ	K	25	8-32	12	8	16	10
K0155.2A1Δ	K	25	10-32	12	8	16	10
K0155.2A21Δ	K	25	1/4-20	12	8	16	10
K0155.2A11Δ	K	32	10-32	14	10	20	10
K0155.2A2Δ	K	32	1/4-20	14	10	20	10
K0155.2A3Δ	K	40	5/16-18	18	13	25	14
K0155.2A41Δ	K	40	3/8-16	18	13	25	14
K0155.2A31Δ	K	50	5/16-18	22	17	32	14
K0155.2A4Δ	K	50	3/8-16	22	17	32	14
K0155.2A51Δ	K	50	1/2-13	22	17	32	18
K0155.2A42Δ	K	63	3/8-16	26	21	40	14
K0155.2A5Δ	K	63	1/2-13	26	21	40	18
K0155.2A6Δ	K	63	5/8-11	26	21	40	18

KIPP Star Grips, similar to DIN 6336, reamed hole, style G and H, inch

Item No. Style G	Item No. Style H	D1	D4	D8	D9	H3	H4	T1	T5
K0155.3CLΔ	K0155.1CLΔ	25	-/0,188	12	0,188/-	8	16	10/-	-/10
K0155.3CMΔ	K0155.1CMΔ	32	-/0,25	14	0,25/-	10	20	10/-	-/10
K0155.3CNΔ	K0155.1CNΔ	40	-/0,312	18	0,312/-	13	25	14/-	-/14
K0155.3COΔ	K0155.1COΔ	50	-/0,375	22	0,375/-	17	32	14/-	-/14
-	K0155.1C01Δ	63	0,375	26	-	21	40	-	14
K0155.3CPΔ	K0155.1CPΔ	63	-/0,5	26	0,5/-	21	40	18/-	-/18

KIPP Star Grips, similar to DIN 6336, external thread, style L, inch

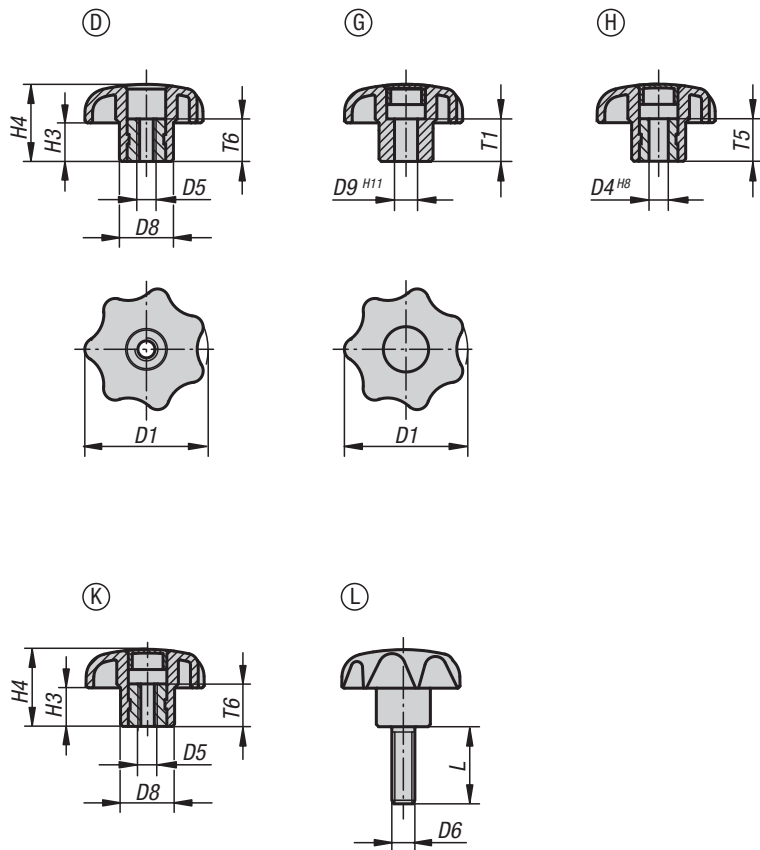
Item No.	Style	D1	D6	D8	H3	H4	L
K0155.4A1ΔX	L	25	10-32	12	8	16	10/20
K0155.4A2ΔX	L	25	1/4-20	12	8	16	20/30
K0155.4A21ΔX	L	32	1/4-20	14	10	20	20/30
K0155.4A3ΔX	L	32	5/16-18	14	10	20	20/40
K0155.4A31ΔX	L	40	5/16-18	18	13	25	20/40
K0155.4A4ΔX	L	40	3/8-16	18	13	25	20/40
K0155.4A41ΔX	L	50	3/8-16	22	17	32	20/40
K0155.4A5ΔX	L	50	1/2-13	22	17	32	30/60
K0155.4A42ΔX	L	63	3/8-16	26	21	40	20/40
K0155.4A51ΔX	L	63	1/2-13	26	21	40	30/60

Star Grips

similar to DIN 6336



METRIC
Parts



Material:
Black thermoplastic,
bushing and threaded bolt in steel

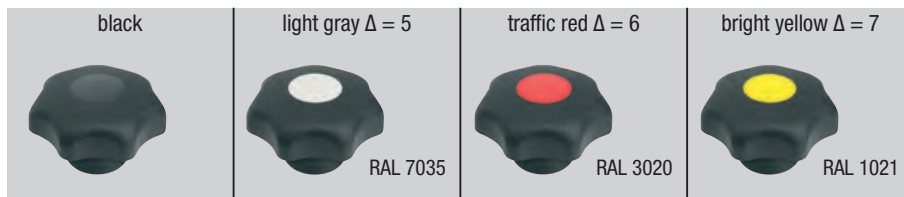
Type:
Bushing and threaded bolt galvanized
and blue chromate finish.

Part Number Example:
K0155.4127X30 (cap color bright yellow;
include length L)

Note:
Δ Add the desired cap color here; no color code
is required for black caps.

On request:
Other colors or designs, such as company logo.

Drawing reference:
Style D: tapped through hole without cap
Style G: blind reamed hole no bushing
Style H: blind reamed hole with bushing
Style K: tapped blind hole with cap
Style L: with external thread



KIPP Star Grips, similar to DIN 6336, internal thread, style D, metric

Item No.	Style	D1	D5	D8	H3	H4	T6
K0155.504	D	25	M4	12	8	16	10
K0155.505	D	25	M5	12	8	16	10
K0155.5061	D	25	M6	12	8	16	10
K0155.5051	D	32	M5	14	10	20	10
K0155.506	D	32	M6	14	10	20	10
K0155.508	D	40	M8	18	13	25	14
K0155.5101	D	40	M10	18	13	25	14
K0155.5081	D	50	M8	22	17	32	14
K0155.510	D	50	M10	22	17	32	14
K0155.5121	D	50	M12	22	17	32	18
K0155.5102	D	63	M10	26	21	40	14
K0155.512	D	63	M12	26	21	40	18
K0155.516	D	63	M16	26	21	40	18

Star Grips

similar to DIN 6336



KIPP Star Grips, similar to DIN 6336, internal thread, style K, metric

Item No.	Style	D1	D5	D8	H3	H4	T6
K0155.204Δ	K	25	M4	12	8	16	10
K0155.205Δ	K	25	M5	12	8	16	10
K0155.2061Δ	K	25	M6	12	8	16	10
K0155.2051Δ	K	32	M5	14	10	20	10
K0155.206Δ	K	32	M6	14	10	20	10
K0155.208Δ	K	40	M8	18	13	25	14
K0155.2101Δ	K	40	M10	18	13	25	14
K0155.2081Δ	K	50	M8	22	17	32	14
K0155.210Δ	K	50	M10	22	17	32	14
K0155.2121Δ	K	50	M12	22	17	32	18
K0155.2102Δ	K	63	M10	26	21	40	14
K0155.212Δ	K	63	M12	26	21	40	18
K0155.216Δ	K	63	M16	26	21	40	18

KIPP Star Grips, similar to DIN 6336, reamed hole, style G and H, metric

Item No. Style G	Item No. Style H	D1	D4	D8	D9	H3	H4	T1	T5
K0155.305Δ	K0155.105Δ	25	-/5	12	5/-	8	16	10/-	-/10
K0155.306Δ	K0155.106Δ	32	-/6	14	6/-	10	20	10/-	-/10
K0155.308Δ	K0155.108Δ	40	-/8	18	8/-	13	25	14/-	-/14
K0155.310Δ	K0155.110Δ	50	-/10	22	10/-	17	32	14/-	-/14
-	K0155.1101Δ	63	10	26	-	21	40	-	14
K0155.312Δ	K0155.112Δ	63	-/12	26	12/-	21	40	18/-	-/18

KIPP Star Grips, similar to DIN 6336, external thread, style L, metric

Item No.	Style	D1	D6	D8	H3	H4	L
K0155.405ΔX	L	25	M5	12	8	16	10/15/20/25/30/35/40/45/50/60
K0155.406ΔX	L	25	M6	12	8	16	10/15/20/25/30/35/40/45/50/60
K0155.4061ΔX	L	32	M6	14	10	20	10/15/20/25/30/35/40/45/50/60
K0155.408ΔX	L	32	M8	14	10	20	15/20/25/30/35/40/45/50/60
K0155.4081ΔX	L	40	M8	18	13	25	15/20/25/30/35/40/45/50/60
K0155.410ΔX	L	40	M10	18	13	25	15/20/25/30/35/40/45/50/60
K0155.4101ΔX	L	50	M10	22	17	32	15/20/25/30/35/40/45/50/60
K0155.412ΔX	L	50	M12	22	17	32	15/20/25/30/35/40/45/50/60
K0155.4102ΔX	L	63	M10	26	21	40	20/25/30/35/40/45/50/60
K0155.4121ΔX	L	63	M12	26	21	40	20/25/30/35/40/45/50/60
K0155.416ΔX	L	63	M16	26	21	40	30/35/40/45/50/60

Star Grips with safety lanyard

similar to DIN 6336

METRIC
Parts



Material:

Black thermoplastic.
Bushing and threaded bolt in steel.
Safety lanyard made of elastic TPU

Type:

Bushing and threaded bolt natural finish

Part Number Example:

K0155.7056X15
(cap color: traffic red;
include length L)

Note:

Δ Add the desired cap color here. No color code is required with a black cap color.

With the safety lanyard, the star grip can be attached to a base to prevent loss. The star grip remains in the immediate vicinity of the object.

Inch versions in stock. Contact KIPP Inc. to purchase.

Assembly:

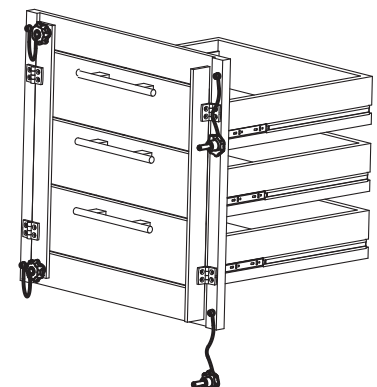
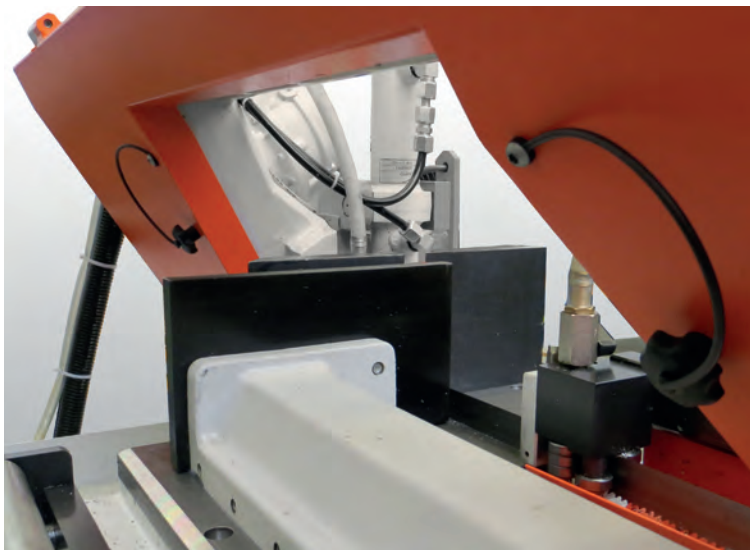
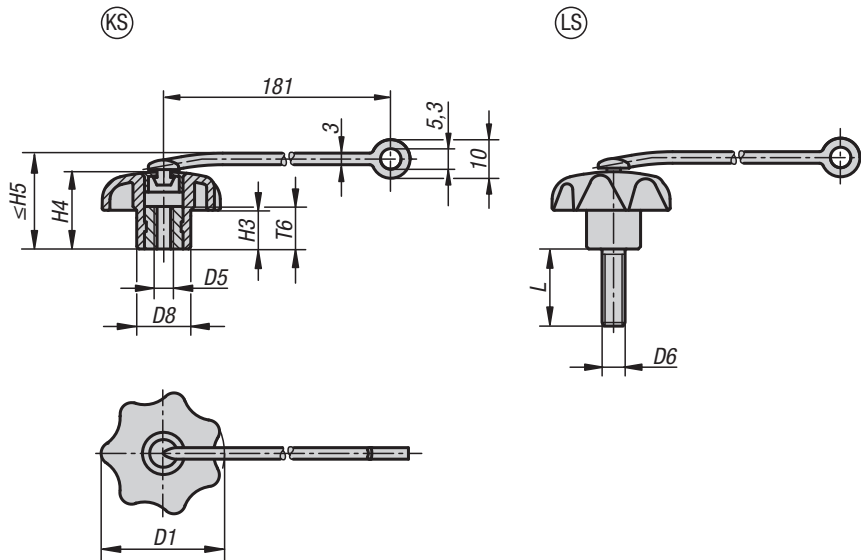
Do not stretch the lanyard during assembly. Make sure that the anchor is not too far from where the star grip is to be used.

Accessories:

The safety lanyard is also available as an accessory, see K0743.04190.

Drawing reference:

Style KS: tapped blind hole with cap
Style LS: with external thread



Star Grips with safety lanyard

similar to DIN 6336



KIPP Star grips with safety lanyard, steel, internal thread, style KS, metric

Item No.	Style	D1	D5	D8	H3	H4	H5 max.	T6
K0155.604Δ	KS	25	M4	12	8	16	22	10
K0155.605Δ	KS	25	M5	12	8	16	22	10
K0155.6051Δ	KS	32	M5	14	10	20	26	10
K0155.606Δ	KS	32	M6	14	10	20	26	10
K0155.6061Δ	KS	25	M6	12	8	16	22	10
K0155.608Δ	KS	40	M8	18	13	25	31	14
K0155.6081Δ	KS	50	M8	22	17	32	38	14
K0155.610Δ	KS	50	M10	22	17	32	38	14
K0155.6101Δ	KS	40	M10	18	13	25	31	14
K0155.6102Δ	KS	63	M10	26	21	40	46	14
K0155.612Δ	KS	63	M12	26	21	40	46	14
K0155.6121Δ	KS	50	M12	22	17	32	38	14
K0155.616Δ	KS	63	M16	26	21	40	46	14

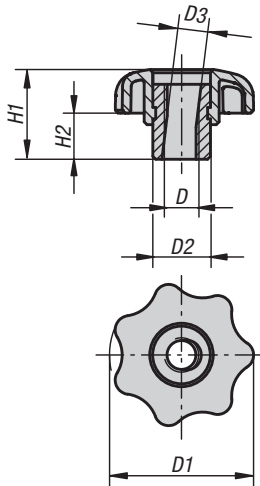
KIPP Star grips with safety lanyard, steel, external thread, style LS, metric

Item No.	Style	D1	D6	D8	H3	H4	H5 max.	L
K0155.705ΔX	LS	25	M5	12	8	16	22	10/15/20/25/30/35/40/45/50/60
K0155.706ΔX	LS	25	M6	12	8	16	22	10/15/20/25/30/35/40/45/50/60
K0155.7061ΔX	LS	32	M6	14	10	20	26	10/15/20/25/30/35/40/45/50/60
K0155.708ΔX	LS	32	M8	14	10	20	26	15/20/25/30/35/40/45/50/60
K0155.7081ΔX	LS	40	M8	18	13	25	31	15/20/25/30/35/40/45/50/60
K0155.710ΔX	LS	40	M10	18	13	25	31	15/20/25/30/35/40/45/50/60
K0155.7101ΔX	LS	50	M10	22	17	32	38	15/20/25/30/35/40/45/50/60
K0155.712ΔX	LS	50	M12	22	17	32	38	15/20/25/30/35/40/45/50/60
K0155.7102ΔX	LS	63	M10	26	21	40	46	20/25/30/35/40/45/50/60
K0155.7121ΔX	LS	63	M12	26	21	40	46	20/25/30/35/40/45/50/60
K0155.716ΔX	LS	63	M16	26	21	40	46	30/35/40/45/50/60

Quick-Acting Star Grips



METRIC
Parts



Material:

Black thermoplastic; bushing in steel

Type:

Bushing galvanized and blue chromate finish

Part Number Example:

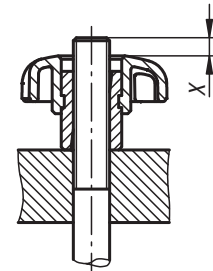
K0156.06

Note:

Quick-Acting Star Grips can be used on all fixtures that do not require a high clamping force. Tilt the grip to slide on, then straighten it to engage the threads.

Drawing reference:

X: The stud should be several mm longer than height „H1“



KIPP Quick-Acting Star Grips, metric

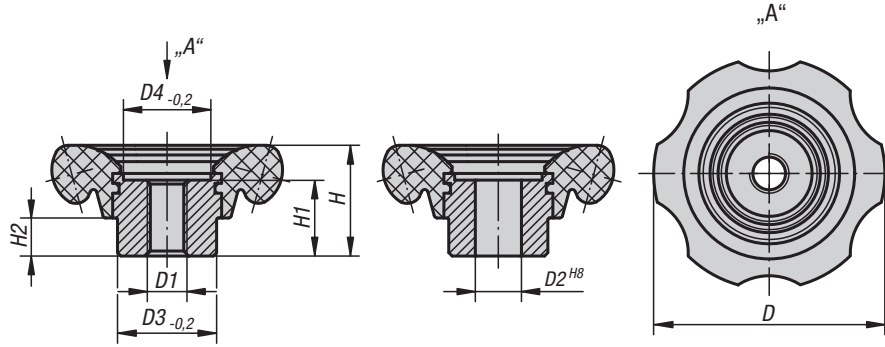
Item No.	D	D1	D2	D3	H1	H2
K0156.05	M5	25	10	5,2	16,6	9
K0156.06	M6	32	13,5	6,2	20,6	11
K0156.08	M8	40	13,5	8,3	24,5	13
K0156.10	M10	50	19	10,3	31,2	17
K0156.12	M12	63	19	12,7	39,3	21

Six Lobe Knobs

Duroplast



INCH Parts METRIC Parts



Material:
Six Lobe Knob in Duroplast PF 31;
bushing in steel, black oxide finish

Type:
High-gloss polished, black

Part Number Example:
K0184.701A3

KIPP Six Lobe Knobs, Duroplast, inch

Item No.	Style	D	D1	D2	D3	D4	H	H1	H2
K0184.701A3	internal thread	70	5/16-18	-	30	26,5	33,5	23	11,5
K0184.701A4	internal thread	70	3/8-16	-	30	26,5	33,5	23	11,5
K0184.831A5	internal thread	83	1/2-13	-	35	31,5	40	28	14
K0184.831A6	internal thread	83	5/8-11	-	35	31,5	40	28	14
K0184.702C0	reamed hole	70	-	0,375	30	26,5	33,5	23	11,5
K0184.702CP	reamed hole	70	-	0,5	30	26,5	33,5	23	11,5
K0184.832CP	reamed hole	83	-	0,5	35	31,5	40	28	14
K0184.832CQ	reamed hole	83	-	0,625	35	31,5	40	28	14

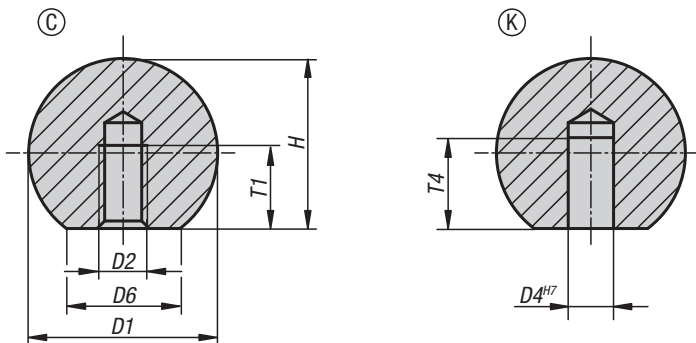
KIPP Six Lobe Knobs, Duroplast, metric

Item No.	Style	D	D1	D2	D3	D4	H	H1	H2
K0184.70110	internal thread	70	M10	-	30	26,5	33,5	23	11,5
K0184.70112	internal thread	70	M12	-	30	26,5	33,5	23	11,5
K0184.83112	internal thread	83	M12	-	35	31,5	40	28	14
K0184.83116	internal thread	83	M16	-	35	31,5	40	28	14
K0184.70212	reamed hole	70	-	12	30	26,5	33,5	23	11,5
K0184.70214	reamed hole	70	-	14	30	26,5	33,5	23	11,5
K0184.83214	reamed hole	83	-	14	35	31,5	40	28	14
K0184.83216	reamed hole	83	-	16	35	31,5	40	28	14

Ball Knobs

in stainless steel or aluminum, DIN 319

INCH Parts METRIC Parts



Material:
Stainless steel 1.4305 or aluminum

Type:
Polished

Part Number Example:
K0650.116AE3

Drawing reference:
Style C: tapped hole
Style K: reamed hole

KIPP Ball Knobs in aluminum, DIN 319, inch

Item No.	Base material	Style	D1	D2	D6	H	T1 min.
K0650.116AE2	Aluminum	C	16	8-32	8	15	7,2
K0650.120A12	Aluminum	C	20	10-32	12	18	9,1
K0650.125A22	Aluminum	C	25	1/4-20	15	22,5	11
K0650.132A32	Aluminum	C	32	5/16-18	18	29	14,5
K0650.140A42	Aluminum	C	40	3/8-16	22	37	18
K0650.150A52	Aluminum	C	50	1/2-13	28	46	21

KIPP Ball Knobs in stainless steel, DIN 319, metric

Item No. Style C	Item No. Style K	D1	D2	D4	D6	H	T1 min.	T4 min.
K0650.116043	K0650.316043	16	M4/-	-/6	8	15	7,2/-	-/10
K0650.120053	K0650.320053	20	M5/-	-/8	12	18	9,1/-	-/12
K0650.125063	K0650.325063	25	M6/-	-/10	15	22,5	11/-	-/16
K0650.132083	K0650.332083	32	M8/-	-/12	18	29	14,5/-	-/20
K0650.140103	K0650.340103	40	M10/-	-/16	22	37	18/-	-/25
K0650.150123	K0650.350123	50	M12/-	-/20	28	46	21/-	-/32

KIPP Ball Knobs in aluminum, DIN 319, metric

Item No. Style C	Item No. Style K	D1	D2	D4	D6	H	T1 min.	T4 min.
K0650.116042	K0650.316042	16	M4/-	-/6	8	15	7,2/-	-/10
K0650.120052	K0650.320052	20	M5/-	-/8	12	18	9,1/-	-/12
K0650.125062	K0650.325062	25	M6/-	-/10	15	22,5	11/-	-/16
K0650.132082	K0650.332082	32	M8/-	-/12	18	29	14,5/-	-/20
K0650.140102	K0650.340102	40	M10/-	-/16	22	37	18/-	-/25
K0650.150122	K0650.350122	50	M12/-	-/20	28	46	21/-	-/32

Ball Knobs

in thermoplastic to DIN 319 extended

METRIC
Parts



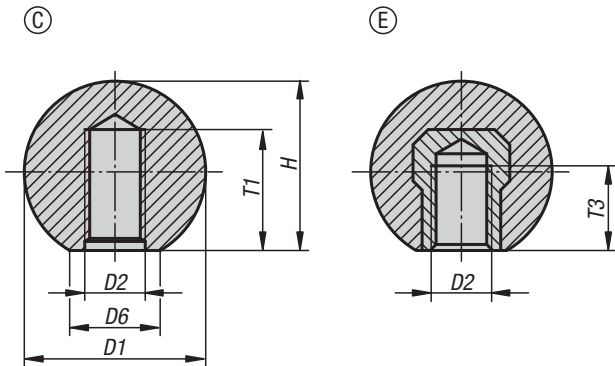
Material:
Black thermoplastic,
bushing in steel.

Type:
Steel galvanized.

Part Number Example:
K0158.11604

On request:
Other colors.

Drawing reference:
Form C: plastic thread
Form E: tapped bushing



KIPP Ball Knobs in thermoplastic to DIN 319 extended, metric

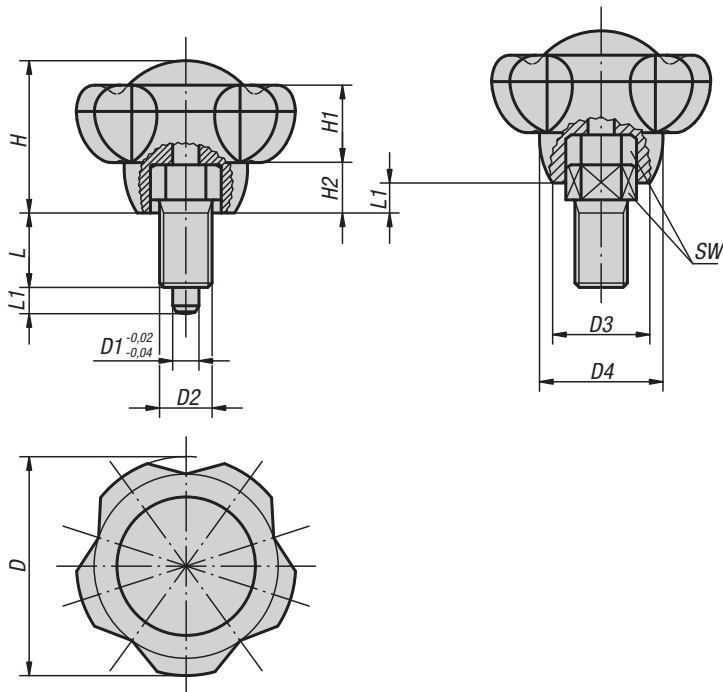
Item No.	Style	D1	D2	D6	H	T1 min.	T3 min.
K0158.11604	C	16	M4	8	15	6	-
K0158.11605	C	16	M5	8	15	7,5	-
K0158.12005	C	20	M5	12	18	7,5	-
K0158.12006	C	20	M6	12	18	9	-
K0158.12506	C	25	M6	15	22,5	9	-
K0158.12508	C	25	M8	15	22,5	12	-
K0158.13208	C	32	M8	18	29	12	-
K0158.13210	C	32	M10	18	29	15	-
K0158.22005	E	20	M5	12	18	-	7,5
K0158.22006	E	20	M6	12	18	-	7,5
K0158.22506	E	25	M6	15	22,5	-	9
K0158.22508	E	25	M8	15	22,5	-	9
K0158.23208	E	32	M8	18	29	-	12
K0158.23210	E	32	M10	18	29	-	12

Indexing Plungers

lock and clamp



INCH Parts METRIC Parts



These NOVO grip indexing plungers allow indexing and clamping with a single component. Especially useful for telescopic adjustments which can be positioned and clamped quickly, precisely and simply.

Material:
Knob, thermoplastic
Indexing pin and threaded bolt steel 5.8.

Type:
Grip black gray.
Indexing pin and threaded bolt black oxide finish.
Indexing pin hardened and ground.

Part Number Example:
K0245.1105AL6 (grip cap color traffic red)

Note:
Δ Add the desired grip cap color here; no color code is required with black gray grip caps.



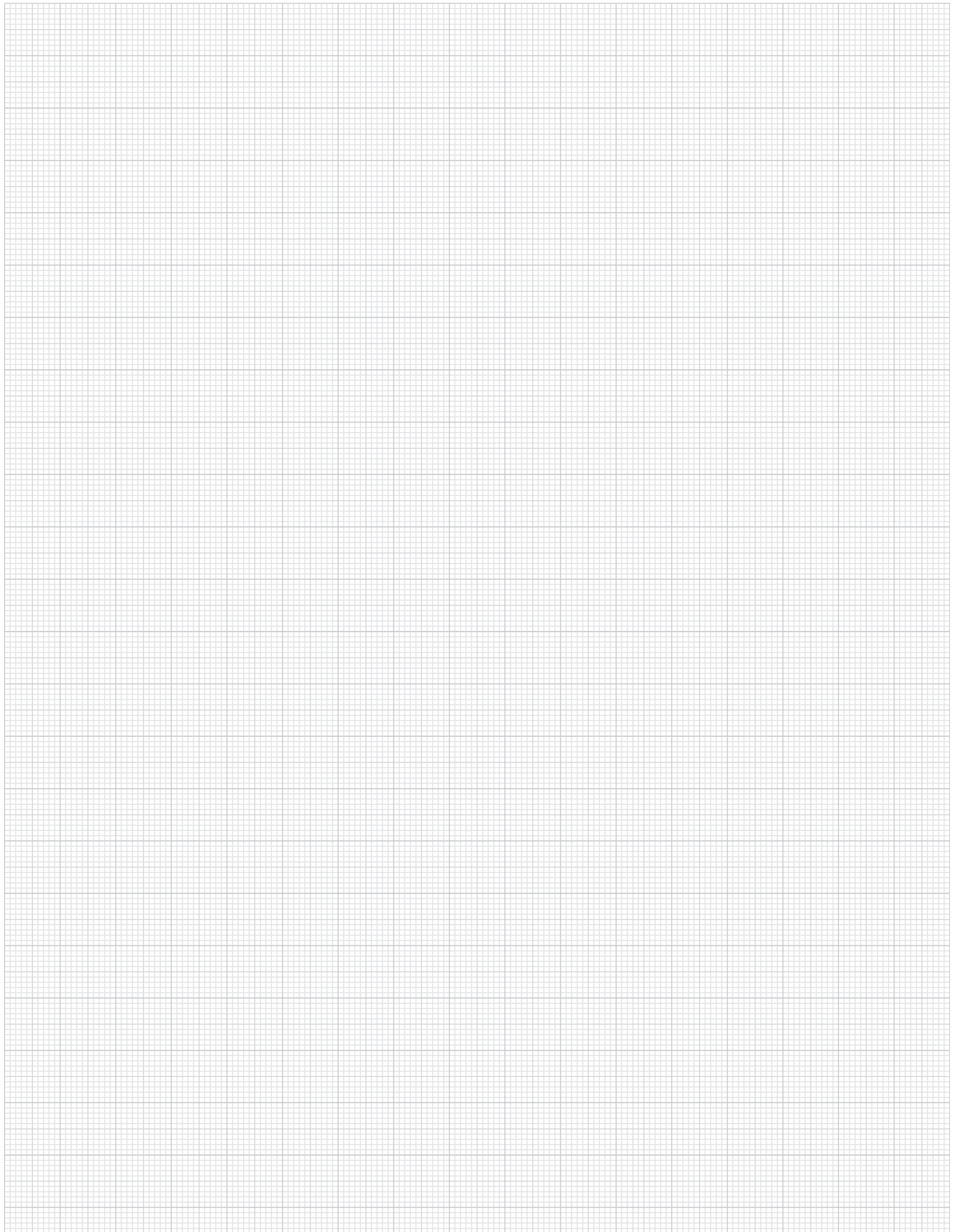
KIPP Indexing Plungers, inch

Item No.	Size	D	D1	D2	D3	D4	H	H1	H2	L	L1	SW
K0245.1105ALΔ	1	50	5	3/8-24	22,2	28,2	34,8	17,8	11,5	13	5	13
K0245.1206A5Δ	2	50	6	1/2-13	22,2	28,2	34,8	17,8	11,5	17	6	14
K0245.1308A6Δ	3	63	8	5/8-11	28	35,5	44	22,5	14,5	22	8	19
K0245.1410A7Δ	4	63	10	3/4-10	28	35,5	44	22,5	14,5	24	10	22

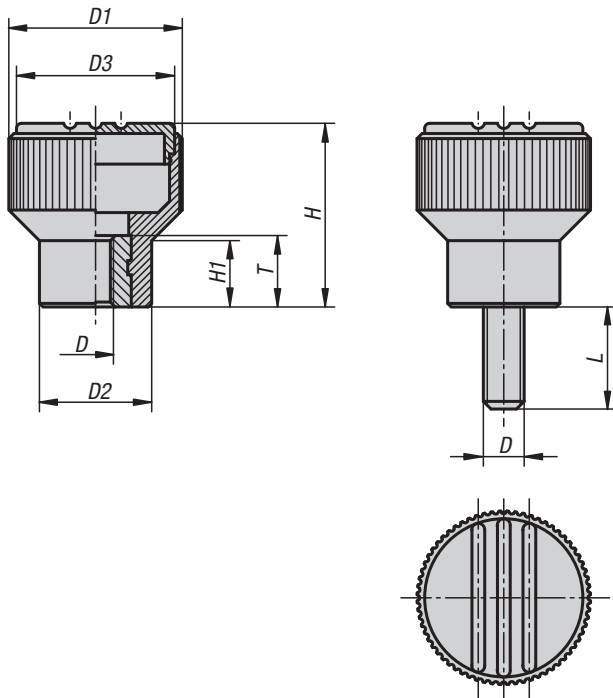
KIPP Indexing Plungers, metric

Item No.	Size	D	D1	D2	D3	D4	H	H1	H2	L	L1	SW
K0245.1105Δ	1	50	5	M10x1	22,2	28,2	34,8	17,8	11,5	13	5	13
K0245.1206Δ	2	50	6	M12x1,5	22,2	28,2	34,8	17,8	11,5	17	6	14
K0245.13085Δ	3	63	8	M16x1,5	28	35,5	44	22,5	14,5	22	8	19
K0245.1410Δ	4	63	10	M20x1,5	28	35,5	44	22,5	14,5	24	10	22

Notes:



Knurled Knobs

INCH
PartsMETRIC
Parts

The advanced engineering and design of NOVO grip Knurled Knobs offer significant product advantages: High ergonomic functionality, firm, safe gripping and eye appealing design makes these Knurled Knobs ideal for any application.

Material:

Thermoplastic, black gray.
Bushing and threaded pin steel 5.8
or stainless steel 1.4305.

Type:

Steel blue chromate or
stainless steel natural finish.

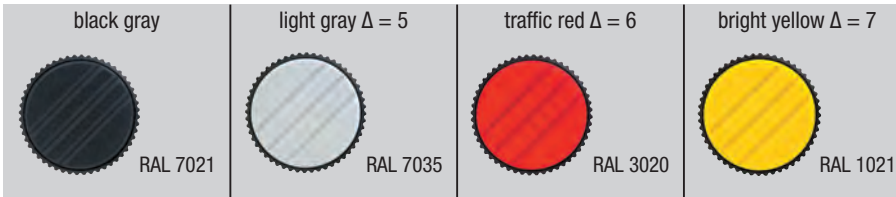
Part Number Example:

K0247.1A16X20
(Cap color traffic red. Include length L)

Note:

Δ Add the desired cap color here. No color code is required for black gray caps.

Knurled Knobs



KIPP Knurled Knobs, internal thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	T
K0247.1AEΔ	K0247.01AEΔ	1	8-32	21	14	19	22	8	10
K0247.1A1Δ	K0247.01A1Δ	1	10-32	21	14	19	22	8	10
K0247.1A2Δ	K0247.01A2Δ	1	1/4-20	21	14	19	22	8	10
K0247.2A3Δ	K0247.02A3Δ	2	5/16-18	26	18	23	26	9,5	14
K0247.3A3Δ	K0247.03A3Δ	3	5/16-18	34	22	31	36	13	14
K0247.3A4Δ	K0247.03A4Δ	3	3/8-16	34	22	31	36	13	14

KIPP Knurled Knobs, external thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	L
K0247.1A1ΔX	K0247.01A1ΔX	1	10-32	21	14	19	22	8	10/20
K0247.1A2ΔX	K0247.01A2ΔX	1	1/4-20	21	14	19	22	8	20/30
K0247.2A3ΔX	K0247.02A3ΔX	2	5/16-18	26	18	23	26	9,5	20/40
K0247.3A4ΔX	K0247.03A4ΔX	3	3/8-16	34	22	31	36	13	20/40

KIPP Knurled Knobs, internal thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	T
K0247.104Δ	K0247.0104Δ	1	M4	21	14	19	22	8	10
K0247.105Δ	K0247.0105Δ	1	M5	21	14	19	22	8	10
K0247.106Δ	K0247.0106Δ	1	M6	21	14	19	22	8	10
K0247.208Δ	K0247.0208Δ	2	M8	26	18	23	26	9,5	14
K0247.308Δ	K0247.0308Δ	3	M8	34	22	31	36	13	14
K0247.310Δ	K0247.0310Δ	3	M10	34	22	31	36	13	14

KIPP Knurled Knobs, external thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	L
K0247.105ΔX	K0247.0105ΔX	1	M5	21	14	19	22	8	10/12/15/20/25
K0247.106ΔX	K0247.0106ΔX	1	M6	21	14	19	22	8	15/20/25/30
K0247.208ΔX	K0247.0208ΔX	2	M8	26	18	23	26	9,5	20/25/30/40
K0247.310ΔX	K0247.0310ΔX	3	M10	34	22	31	36	13	20/30/40

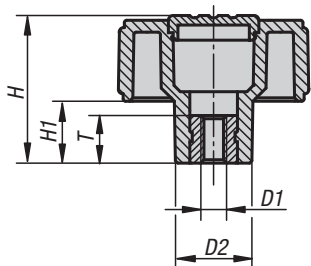
Knurled Wheels

internal components steel

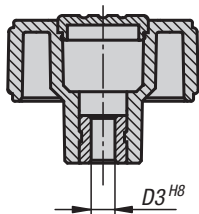
INCH
Parts



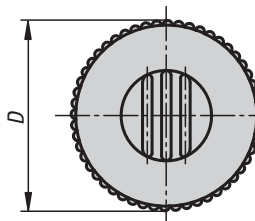
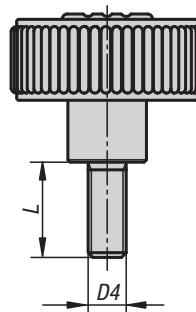
ⓓ Ⓚ



ⓔ ⓓ



Ⓛ



NOVO grip Knurled Wheels are ergonomic, eye appealing, durable and offer a firm and safe grip. Ideal for all applications. Strength and durability are guaranteed with **NOVO grip Knurled Wheels**.

Material:

Thermoplastic, bushing and threaded bolt in steel quality class 5.8.

Type:

Steel blue chromate.

Part Number Example:

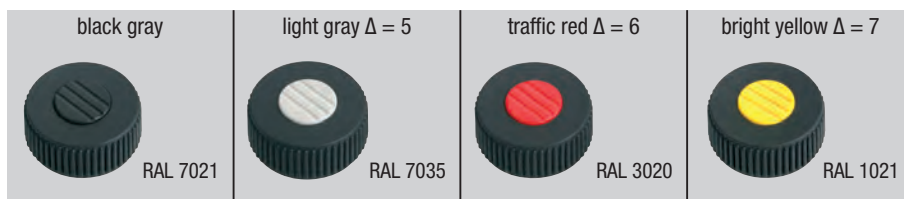
K0260.41067 (wheel cap color bright yellow)

Note:

Δ Add the desired wheel cap color here; no color code is required with black gray wheel caps

Drawing reference:

- Style D: tapped through hole without cap
- Style K: tapped through hole with cap
- Style E: reamed through hole without cap
- Style H: reamed through hole with cap
- Style L: external thread



KIPP Knurled Wheels, internal thread, inch

Item No.	Style	Size	D	D1	D2	H	H1	T
K0260.11A1	D	1	40	10-32	16,5	31	13	10
K0260.11A2	D	1	40	1/4-20	16,5	31	13	10
K0260.11A3	D	1	40	5/16-18	16,5	31	13	14
K0260.12A3	D	2	50	5/16-18	18	36	15	14
K0260.12A4	D	2	50	3/8-16	18	36	15	14
K0260.13A4	D	3	63	3/8-16	22	41	17	14
K0260.13A5	D	3	63	1/2-13	22	41	17	18

Knurled Wheels

internal components steel



KIPP Knurled Wheels, internal thread, inch

Item No.	Style	Size	D	D1	D2	H	H1	T
K0260.21A1Δ	K	1	40	10-32	16,5	31	13	10
K0260.21A2Δ	K	1	40	1/4-20	16,5	31	13	10
K0260.21A3Δ	K	1	40	5/16-18	16,5	31	13	14
K0260.22A3Δ	K	2	50	5/16-18	18	36	15	14
K0260.22A4Δ	K	2	50	3/8-16	18	36	15	14
K0260.23A4Δ	K	3	63	3/8-16	22	41	17	14
K0260.23A5Δ	K	3	63	1/2-13	22	41	17	18

KIPP Knurled Wheels, with bushing, inch

Item No.	Style	Size	D	D2	D3	H	H1	T
K0260.31CM	E	1	40	16,5	0,25	31	13	10
K0260.32CN	E	2	50	18	0,312	36	15	14
K0260.33CO	E	3	63	22	0,375	41	17	14

KIPP Knurled Wheels, with bushing, inch

Item No.	Style	Size	D	D2	D3	H	H1	T
K0260.41CMA	H	1	40	16,5	0,25	31	13	10
K0260.42CNA	H	2	50	18	0,312	36	15	14
K0260.43COΔ	H	3	63	22	0,375	41	17	14

KIPP Knurled Wheels, external thread, inch

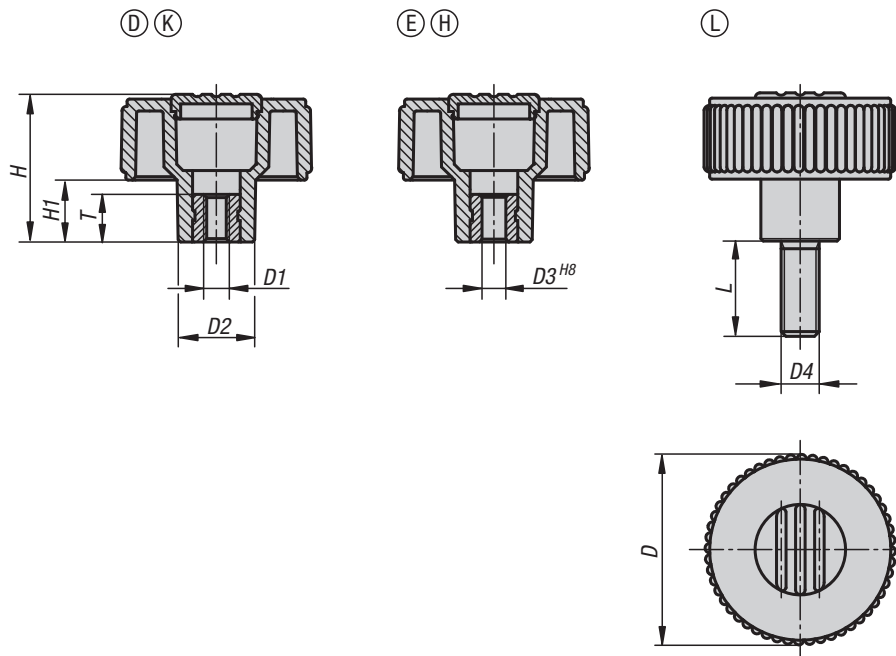
Item No.	Style	Size	D	D2	D4	H	H1	L
K0260.51A1ΔX	L	1	40	16,5	10-32	31	13	10/20
K0260.51A2ΔX	L	1	40	16,5	1/4-20	31	13	20/30
K0260.51A3ΔX	L	1	40	16,5	5/16-18	31	13	20/40
K0260.52A3ΔX	L	2	50	18	5/16-18	36	15	20/40
K0260.52A4ΔX	L	2	50	18	3/8-16	36	15	20/40
K0260.53A4ΔX	L	3	63	22	3/8-16	41	17	20/40
K0260.53A5ΔX	L	3	63	22	1/2-13	41	17	30/60

Knurled Wheels

internal components steel



METRIC
Parts



NOVO grip Knurled Wheels are ergonomic, eye appealing, durable and offer a firm and safe grip. Ideal for all applications. Strength and durability are guaranteed with **NOVO grip Knurled Wheels**.

Material:

Thermoplastic, bushing and threaded bolt in steel quality class 5.8.

Type:

Steel blue chromate.

Part Number Example:

K0260.41067 (wheel cap color bright yellow)

Note:

Δ Add the desired wheel cap color here; no color code is required with black gray wheel caps

Drawing reference:

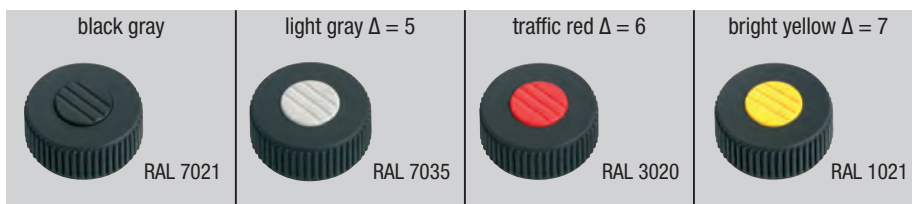
Style D: tapped through hole without cap

Style K: tapped through hole with cap

Style E: reamed through hole without cap

Style H: reamed through hole with cap

Style L: external thread



KIPP Knurled Wheels, internal thread, metric

Item No.	Style	Size	D	D1	D2	H	H1	T
K0260.1105	D	1	40	M5	16,5	31	13	10
K0260.1106	D	1	40	M6	16,5	31	13	10
K0260.1108	D	1	40	M8	16,5	31	13	14
K0260.1208	D	2	50	M8	18	36	15	14
K0260.1210	D	2	50	M10	18	36	15	14
K0260.1310	D	3	63	M10	22	41	17	14
K0260.1312	D	3	63	M12	22	41	17	18

Knurled Wheels

internal components steel



KIPP Knurled Wheels, internal thread, metric

Item No.	Style	Size	D	D1	D2	H	H1	T
K0260.2105Δ	K	1	40	M5	16,5	31	13	10
K0260.2106Δ	K	1	40	M6	16,5	31	13	10
K0260.2108Δ	K	1	40	M8	16,5	31	13	14
K0260.2208Δ	K	2	50	M8	18	36	15	14
K0260.2210Δ	K	2	50	M10	18	36	15	14
K0260.2310Δ	K	3	63	M10	22	41	17	14
K0260.2312Δ	K	3	63	M12	22	41	17	18

KIPP Knurled Wheels, with bushing, metric

Item No.	Style	Size	D	D2	D3	H	H1	T
K0260.3106	E	1	40	16,5	6	31	13	10
K0260.3208	E	2	50	18	8	36	15	14
K0260.3310	E	3	63	22	10	41	17	14

KIPP Knurled Wheels, with bushing, metric

Item No.	Style	Size	D	D2	D3	H	H1	T
K0260.4106Δ	H	1	40	16,5	6	31	13	10
K0260.4208Δ	H	2	50	18	8	36	15	14
K0260.4310Δ	H	3	63	22	10	41	17	14

KIPP Knurled Wheels, external thread, metric

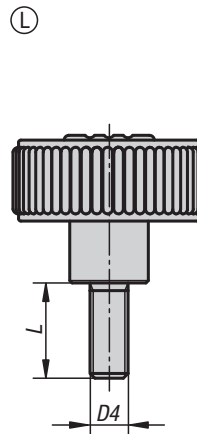
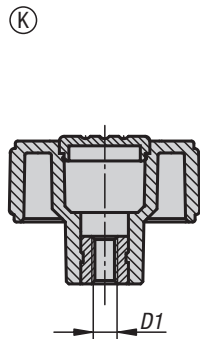
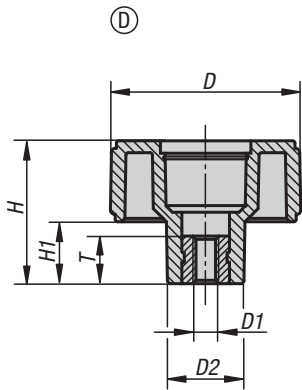
Item No.	Style	Size	D	D2	D4	H	H1	L
K0260.5105ΔX	L	1	40	16,5	M5	31	13	10/20/40
K0260.5106ΔX	L	1	40	16,5	M6	31	13	10/20/40
K0260.5108ΔX	L	1	40	16,5	M8	31	13	15/30/60
K0260.5208ΔX	L	2	50	18	M8	36	15	15/30/60
K0260.5210ΔX	L	2	50	18	M10	36	15	20/30/60
K0260.5310ΔX	L	3	63	22	M10	41	17	20/30/60
K0260.5312ΔX	L	3	63	22	M12	41	17	30/60

Knurled Wheels

internal components stainless steel



INCH Parts METRIC Parts



NOVO grip Knurled Wheels are ergonomic, eye appealing, durable and offer a firm and safe grip. Ideal for all applications. Strength and durability are guaranteed with NOVO grip Knurled Wheels.

Material:

Thermoplastic, bushing and threaded bolt in stainless steel 1.4305.

Type:

Stainless steel natural finish.

Part Number Example:

K0261.51056X10
(cap color traffic red; include length L)

Note:

Δ Add the desired wheel cap color here; no color code is required with black gray wheel caps

Drawing reference:

Style D: tapped through hole without cap
Style K: tapped through hole with cap
Style L: external thread

KIPP Knurled Wheels, components in stainless steel, internal thread, inch

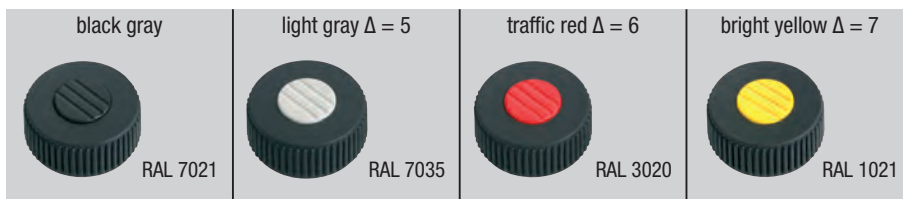
Item No.	Style	Size	D	D1	D2	H	H1	T
K0261.11A1	D	1	40	10-32	16,5	31	13	10
K0261.11A2	D	1	40	1/4-20	16,5	31	13	10
K0261.11A3	D	1	40	5/16-18	16,5	31	13	14
K0261.12A3	D	2	50	5/16-18	18	36	15	14
K0261.12A4	D	2	50	3/8-16	18	36	15	14
K0261.13A4	D	3	63	3/8-16	22	41	17	14
K0261.13A5	D	3	63	1/2-13	22	41	17	18

KIPP Knurled Wheels, components in stainless steel, internal thread, inch

Item No.	Style	Size	D	D1	D2	H	H1	T
K0261.21A1Δ	K	1	40	10-32	16,5	31	13	10
K0261.21A2Δ	K	1	40	1/4-20	16,5	31	13	10
K0261.21A3Δ	K	1	40	5/16-18	16,5	31	13	14
K0261.22A3Δ	K	2	50	5/16-18	18	36	15	14
K0261.22A4Δ	K	2	50	3/8-16	18	36	15	14
K0261.23A4Δ	K	3	63	3/8-16	22	41	17	14
K0261.23A5Δ	K	3	63	1/2-13	22	41	17	18

Knurled Wheels

internal components stainless steel



KIPP Knurled Wheels, components in stainless steel, external thread, inch

Item No.	Style	Size	D	D2	D4	H	H1	L
K0261.51A1ΔX	L	1	40	16,5	10-32	31	13	10/20
K0261.51A2ΔX	L	1	40	16,5	1/4-20	31	13	20/30
K0261.51A3ΔX	L	1	40	16,5	5/16-18	31	13	20/40
K0261.52A3ΔX	L	2	50	18	5/16-18	36	15	20/40
K0261.52A4ΔX	L	2	50	18	3/8-16	36	15	20/40
K0261.53A4ΔX	L	3	63	22	3/8-16	41	17	20/40

KIPP Knurled Wheels, components in stainless steel, internal thread, metric

Item No.	Style	Size	D	D1	D2	H	H1	T
K0261.1105	D	1	40	M5	16,5	31	13	10
K0261.1106	D	1	40	M6	16,5	31	13	10
K0261.1108	D	1	40	M8	16,5	31	13	14
K0261.1208	D	2	50	M8	18	36	15	14
K0261.1210	D	2	50	M10	18	36	15	14
K0261.1310	D	3	63	M10	22	41	17	14
K0261.1312	D	3	63	M12	22	41	17	18

KIPP Knurled Wheels, components in stainless steel, internal thread, metric

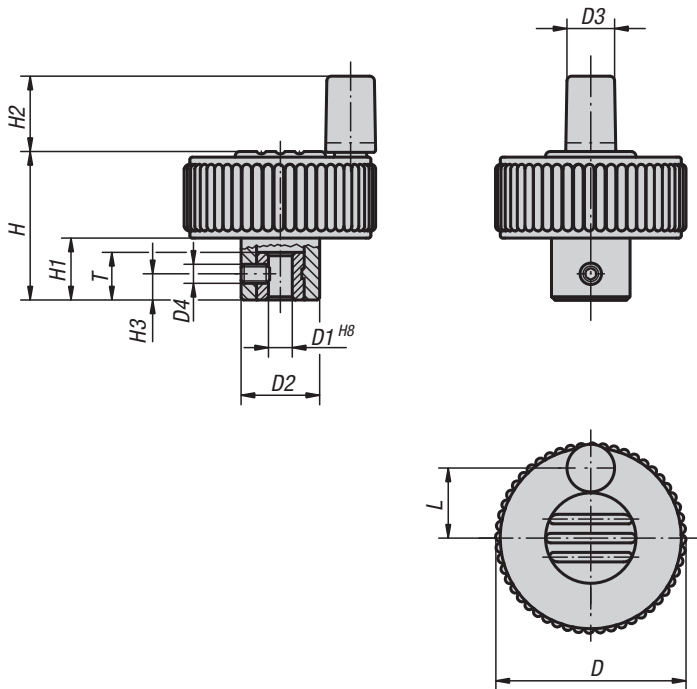
Item No.	Style	Size	D	D1	D2	H	H1	T
K0261.2105Δ	K	1	40	M5	16,5	31	13	10
K0261.2106Δ	K	1	40	M6	16,5	31	13	10
K0261.2108Δ	K	1	40	M8	16,5	31	13	14
K0261.2208Δ	K	2	50	M8	18	36	15	14
K0261.2210Δ	K	2	50	M10	18	36	15	14
K0261.2310Δ	K	3	63	M10	22	41	17	14
K0261.2312Δ	K	3	63	M12	22	41	17	18

KIPP Knurled Wheels, components in stainless steel, external thread, metric

Item No.	Style	Size	D	D2	D4	H	H1	L
K0261.5105ΔX	L	1	40	16,5	M5	31	13	10/20
K0261.5106ΔX	L	1	40	16,5	M6	31	13	10/20/40
K0261.5108ΔX	L	1	40	16,5	M8	31	13	15/30/60
K0261.5208ΔX	L	2	50	18	M8	36	15	15/30/60
K0261.5210ΔX	L	2	50	18	M10	36	15	20/30/60
K0261.5310ΔX	L	3	63	22	M10	41	17	20/30/60

Knurled Wheels

INCH Parts METRIC Parts



Attractive design and excellent ergonomic features make this Knurled Wheel a trendsetting product. NOVO grip Knurled Wheels are durable, eye appealing and offer a firm, safe grip. NOVO grip Knurled Wheels improve ease and performance in all applications.

Material:

Handle black gray thermoplastic, bushing in steel quality class 5.8.

Type:

Steel blue chromate.

Part Number Example:

K0262.21066 (wheel cap color traffic red)

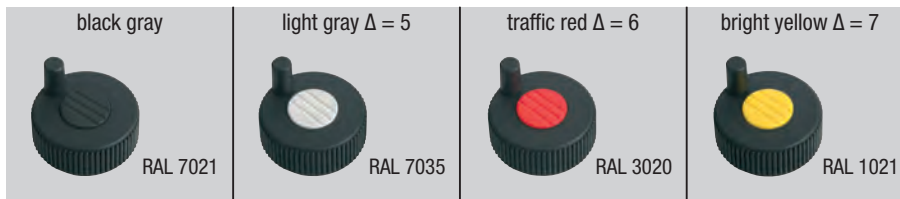
Note:

Δ Add the desired wheel cap color here; no color code is required with black gray wheel caps

Drawing reference:

Style H: without tapped set screw hole

Style M: with tapped set screw hole and set screw



KIPP Knurled Wheels, inch

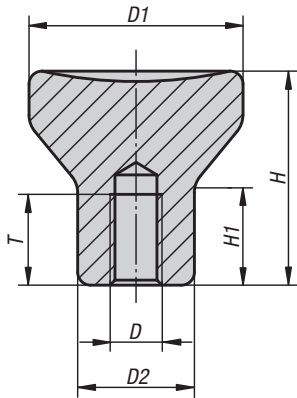
Item No.	Style	Size	D	D1	D2	D3	D4	H	H1	H2	H3	L	T
K0262.21CMA	H	1	40	0.25	16,5	10	-	31	13	16	-	15	10
K0262.22CMA	H	2	50	0.25	18	10	-	36	15	16	-	18,5	10
K0262.23CNA	H	3	63	0.312	22	10	-	41	17	16	-	25	14
K0262.11CMA	M	1	40	0.25	16,5	10	M4	31	13	16	5,5	15	10
K0262.12CMA	M	2	50	0.25	18	10	M4	36	15	16	5,5	18,5	10
K0262.13CNA	M	3	63	0.312	22	10	M4	41	17	16	8	25	14

KIPP Knurled Wheels, metric

Item No.	Style	Size	D	D1	D2	D3	D4	H	H1	H2	H3	L	T
K0262.2106Δ	H	1	40	6	16,5	10	-	31	13	16	-	15	10
K0262.2206Δ	H	2	50	6	18	10	-	36	15	16	-	18,5	10
K0262.2308Δ	H	3	63	8	22	10	-	41	17	16	-	25	14
K0262.1106Δ	M	1	40	6	16,5	10	M4	31	13	16	5,5	15	10
K0262.1206Δ	M	2	50	6	18	10	M4	36	15	16	5,5	18,5	10
K0262.1308Δ	M	3	63	8	22	10	M4	41	17	16	8	25	14

Mushroom Knobs

stainless steel



Material:
Stainless steel 1.4305.

Type:
Electrolytic-polish.

Part Number Example:
K0250.9AC

KIPP Mushroom Knobs, stainless steel, internal thread, inch

Item No.	D	D1	D2	H	H1	T
K0250.9AC	2-56	14	8	14	6,7	4
K0250.0AD	6-32	18	10	18	8,6	7,5
K0250.1AE	8-32	21	12	21	10	10
K0250.1A0	10-24	21	12	21	10	12,5
K0250.1A1	10-32	21	12	21	10	12,5
K0250.2A2	1/4-20	25	14	25	12	12
K0250.3A3	5/16-18	33	18	33	16	16
K0250.4A4	3/8-16	40	24	40	18,7	20

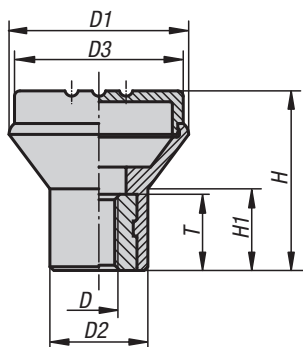
KIPP Mushroom Knobs, stainless steel, internal thread, metric

Item No.	D	D1	D2	H	H1	T
K0250.902	M2	14	8	14	6,7	4
K0250.003	M3	18	10	18	8,6	7,5
K0250.104	M4	21	12	21	10	10
K0250.105	M5	21	12	21	10	12,5
K0250.206	M6	25	14	25	12	12
K0250.308	M8	33	18	33	16	16
K0250.410	M10	40	24	40	18,7	20

Mushroom Knobs

with internal thread

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The advanced engineering and award winning design of NOVO grip mushroom knobs will make any equipment stand out. High ergonomic functionality, firm and safe gripping, and eye appealing distinguish the KIPP NOVO grip line.

Material:

Black gray thermoplastic.
Bushing steel 5.8 or stainless steel 1.4305.

Type:

Steel blue chromate or stainless steel natural finish.

Part Number Example:

K0251.AE6 (cap color traffic red)

Note:

Δ Add the desired cap color here. No color code is required for black gray caps.



KIPP Mushroom Knobs, internal thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	T
K0251.AEΔ	K0251.0AEΔ	1	8-32	21	13	19	21	10	10
K0251.A1Δ	K0251.0A1Δ	1	10-32	21	13	19	21	10	10
K0251.A2Δ	K0251.0A2Δ	2	1/4-20	25	14	23	25	12	10
K0251.A3Δ	K0251.0A3Δ	3	5/16-18	33	19	31	33	15	14

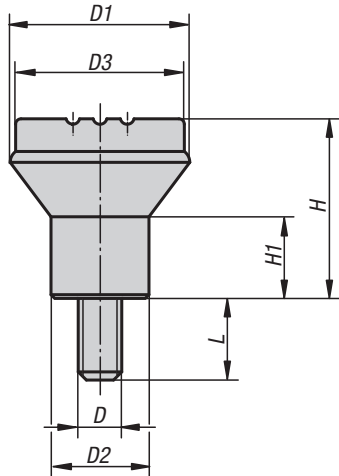
KIPP Mushroom Knobs, internal thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	T
K0251.04Δ	K0251.004Δ	1	M4	21	12	19	21	10	10
K0251.05Δ	K0251.005Δ	1	M5	21	12	19	21	10	10
K0251.06Δ	K0251.006Δ	2	M6	25	14	23	25	12	10
K0251.08Δ	K0251.008Δ	3	M8	33	19	31	33	15	14

Mushroom Knobs

with external thread

INCH Parts METRIC Parts



The advanced engineering and award winning design of NOVO grip mushroom knobs will make any equipment stand out. High ergonomic functionality, firm and safe gripping, and eye appealing distinguish the KIPP NOVO grip line.

Material:
Black gray thermoplastic.
Screw steel 5.8, or stainless steel 1.4305.

Type:
Steel blue chromate or stainless steel natural finish.

Part Number Example:
K0251.AE6X10
(cap color traffic red; include length L)

Note:
Δ Add the desired cap color here; no color code is required for black gray caps.



KIPP Mushroom Knobs, external thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	L
K0251.AEΔX	K0251.0AEΔX	1	8-32	21	13	19	21	10	10/20
K0251.A1ΔX	K0251.0A1ΔX	1	10-32	21	13	19	21	10	10/20
K0251.A2ΔX	K0251.0A2ΔX	2	1/4-20	25	14	23	25	12	20/30
K0251.A3ΔX	K0251.0A3ΔX	3	5/16-18	33	19	31	33	15	20/40

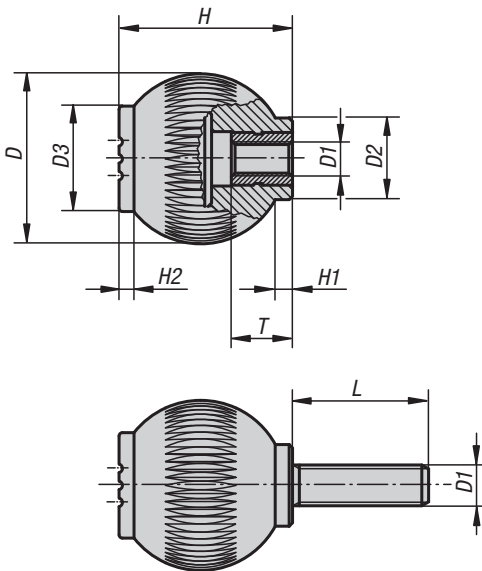
KIPP Mushroom Knobs, external thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	L
K0251.04ΔX10	K0251.004ΔX10	1	M4	21	12	19	21	10	10
K0251.05ΔX10	K0251.005ΔX10	1	M5	21	12	19	21	10	10
K0251.06ΔX15	K0251.006ΔX15	2	M6	25	14	23	25	12	15
K0251.08ΔX15	K0251.008ΔX15	3	M8	33	19	31	33	15	15

Ball Grips

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A perfectly ergonomic product for “three-dimensional” gripping: The “third dimension” developed from the advanced engineering design of “Belt Fluting” creating exceptional ergonomic gripping.

Material:

Handle black gray thermoplastic; bushing and threaded bolt steel 5.8 or stainless steel, 1.4305 natural finish

Type:

Steel blue chromate or stainless steel natural finish.

Part Number Example:

K0253.1A26X20
(cap color traffic red; include dimension L)

Note:

Δ Add the desired grip cap color here; no color code is required with black gray grip caps

Ball Grips



KIPP Ball Grips, internal thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	H2	T
K0253.1A2Δ	K0253.01A2Δ	1	25	1/4-20	12	17	25	3	2	10
K0253.2A3Δ	K0253.02A3Δ	2	32	5/16-18	15,5	19	33	3,5	2,6	14
K0253.3A4Δ	K0253.03A4Δ	3	40	3/8-16	19	23	41,5	4	3	14
K0253.4A4Δ	K0253.04A4Δ	4	50	3/8-16	24	31	51	5,5	4,5	14
K0253.4A5Δ	K0253.04A5Δ	4	50	1/2-13	24	31	51	5,5	4,5	18

KIPP Ball Grips, external thread, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	H2	L
K0253.1A2ΔX	K0253.01A2ΔX	1	25	1/4-20	12	17	25	3	2	20/30
K0253.2A3ΔX	K0253.02A3ΔX	2	32	5/16-18	15,5	19	33	3,5	2,6	20/40
K0253.3A4ΔX	K0253.03A4ΔX	3	40	3/8-16	19	23	41,5	4	3	20/40
K0253.4A4ΔX	K0253.04A4ΔX	4	50	3/8-16	24	31	51	5,5	4,5	20/40
K0253.4A5ΔX	-	4	50	1/2-13	24	31	51	5,5	4,5	30/60

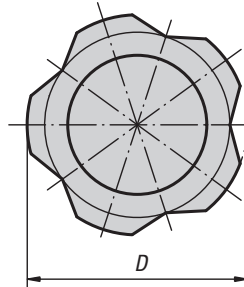
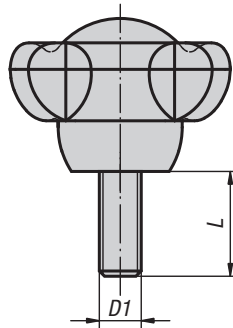
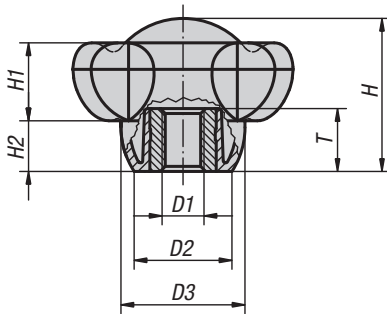
KIPP Ball Grips, internal thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	H2	T
K0253.106Δ	K0253.0106Δ	1	25	M6	12	17	25	3	2	10
K0253.208Δ	K0253.0208Δ	2	32	M8	15,5	19	33	3,5	2,6	14
K0253.310Δ	K0253.0310Δ	3	40	M10	19	23	41,5	4	3	14
K0253.410Δ	K0253.0410Δ	4	50	M10	24	31	51	5,5	4,5	14
K0253.412Δ	K0253.0412Δ	4	50	M12	24	31	51	5,5	4,5	18

KIPP Ball Grips, external thread, metric

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	H	H1	H2	L
K0253.106ΔX	K0253.0106ΔX	1	25	M6	12	17	25	3	2	15/20/25/30
K0253.208ΔX	K0253.0208ΔX	2	32	M8	15,5	19	33	3,5	2,6	20/25/30/40
K0253.310ΔX	K0253.0310ΔX	3	40	M10	19	23	41,5	4	3	20/30/40
K0253.410ΔX	K0253.0410ΔX	4	50	M10	24	31	51	5,5	4,5	20/30/40
K0253.412ΔX	K0253.0412ΔX	4	50	M12	24	31	51	5,5	4,5	20/30/40

Five Lobe Grips

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Modern design and hi-tech engineering technology make the KIPP NOVO grip line pleasing to the eye and highly functional.

NOVO grip Five Lobe Grips are a cost effective alternative to make customers' products stand out!

Material:

Thermoplastic black gray.
Bushing and threaded bolt steel 5.8 or stainless steel 1.4305.

Type:

Steel blue chromate or stainless steel natural finish.

Part Number Example:

K0255.50106X30
(cap color traffic red; include length L)

Note:

The screw lengths 15, 35 and 45 are not available in stainless steel.

Δ Add the desired grip cap color here; no color code is required with black gray grip caps

Five Lobe Grips



KIPP Five Lobe Grips, internal thread, inch

Item No. Steel	Item No. Stainless steel	D	D1	D2	D3	H	H1	H2	T
K0255.50A3Δ	K0255.50A31Δ	50	5/16-18	22,2	28,2	34,8	17,8	11,5	14
K0255.50A4Δ	K0255.50A41Δ	50	3/8-16	22,2	28,2	34,8	17,8	11,5	14
K0255.50A5Δ	K0255.50A51Δ	50	1/2-13	22,2	28,2	34,8	17,8	11,5	18
K0255.63A4Δ	K0255.63A41Δ	63	3/8-16	28	35,5	44	22,5	14,5	14
K0255.63A5Δ	K0255.63A51Δ	63	1/2-13	28	35,5	44	22,5	14,5	18
K0255.63A6Δ	-	63	5/8-11	28	35,5	44	22,5	14,5	18

KIPP Five Lobe Grips, external thread, inch

Item No. Steel	Item No. Stainless steel	D	D1	D2	D3	H	H1	H2	L
K0255.50A4ΔX	K0255.50A41ΔX	50	3/8-16	22,2	28,2	34,8	17,8	11,5	20/40
K0255.50A5ΔX	-	50	1/2-13	22,2	28,2	34,8	17,8	11,5	30/60
K0255.63A4ΔX	K0255.63A41ΔX	63	3/8-16	28	35,5	44	22,5	14,5	20/40
K0255.63A5ΔX	-	63	1/2-13	28	35,5	44	22,5	14,5	30/60

KIPP Five Lobe Grips, internal thread, metric

Item No. Steel	Item No. Stainless steel	D	D1	D2	D3	H	H1	H2	T
K0255.5008Δ	K0255.50081Δ	50	M8	22,2	28,2	34,8	17,8	11,5	14
K0255.5010Δ	K0255.50101Δ	50	M10	22,2	28,2	34,8	17,8	11,5	14
K0255.5012Δ	K0255.50121Δ	50	M12	22,2	28,2	34,8	17,8	11,5	18
K0255.6310Δ	K0255.63101Δ	63	M10	28	35,5	44	22,5	14,5	14
K0255.6312Δ	K0255.63121Δ	63	M12	28	35,5	44	22,5	14,5	18
K0255.6316Δ	-	63	M16	28	35,5	44	22,5	14,5	18

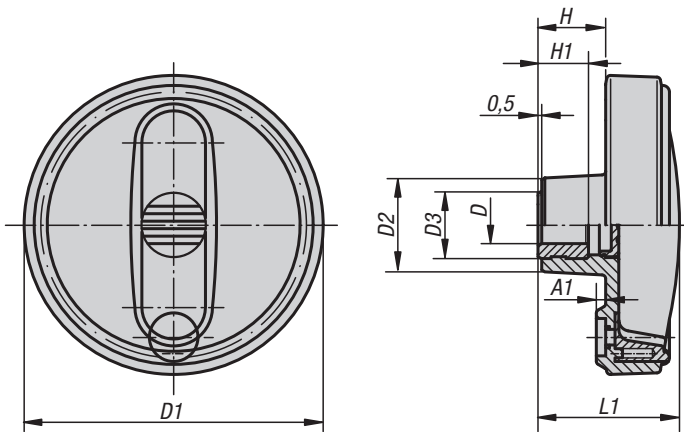
KIPP Five Lobe Grips, external thread, metric

Item No. Steel	Item No. Stainless steel	D	D1	D2	D3	H	H1	H2	L
K0255.5010ΔX	K0255.50101ΔX	50	M10	22,2	28,2	34,8	17,8	11,5	15/20/25/30/35/40/45/50/60
K0255.5012ΔX	-	50	M12	22,2	28,2	34,8	17,8	11,5	15/20/25/30/35/40/45/50/60
K0255.6310ΔX	K0255.63101ΔX	63	M10	28	35,5	44	22,5	14,5	20/25/30/35/40/45/50/60
K0255.6312ΔX	-	63	M12	28	35,5	44	22,5	14,5	20/25/30/35/40/45/50/60

Handwheels

without handle

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This modern, eye appealing handwheel combines quality, durability, strength, ergonomics and safety into one product.

Superior design ensures precision adjustments, ergonomic handling and safe operation.

Material:

Black gray thermoplastic.

Type:

Steel parts black oxide finish.

Part Number Example:

K0256.1080C0

Note:

The hub cover is supplied loose.

The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.

KIPP Handwheels, without handle, inch

Item No.	Size	D	D1	D2	D3	A1	H	H1	L1
K0256.1080C0	1	0,375	80	25	19	2,5	17,5	13	37,5
K0256.2100C0	2	0,375	100	28	19	3	20	13	44
K0256.2100CP	2	0,5	100	28	19	3	20	13	44
K0256.3125CP	3	0,5	125	35	25	4	23,5	18,5	53
K0256.4160CP	4	0,5	160	45	25	5,6	28	18,5	64,5
K0256.4160CQ	4	0,625	160	45	25	5,6	28	18,5	64,5

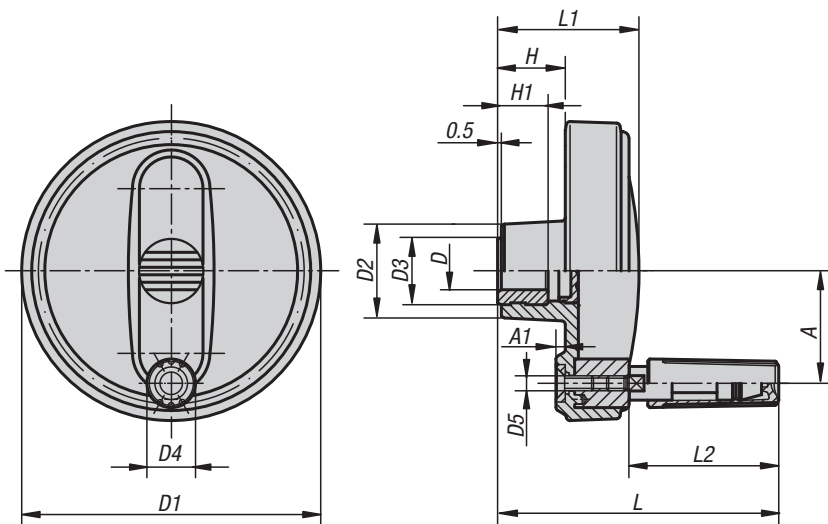
KIPP Handwheels, without handle, metric

Item No.	Size	D	D1	D2	D3	A1	H	H1	L1
K0256.108008	1	8	80	25	19	2,5	17,5	13	37,5
K0256.210010	2	10	100	28	19	3	20	13	44
K0256.210012	2	12	100	28	19	3	20	13	44
K0256.312512	3	12	125	35	25	4	23,5	18,5	53
K0256.416014	4	14	160	45	25	5,6	28	18,5	64,5
K0256.416016	4	16	160	45	25	5,6	28	18,5	64,5

Handwheels

with revolving handle

INCH Parts METRIC Parts



Material:

Black gray thermoplastic.

Type:

Steel parts black oxide finish.

Part Number Example:

K0257.1080C0

Note:

The hub cover and the revolving grip are supplied loose. To assemble the grip, simply screw it into the existing hole.

The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.

KIPP Handwheels, with revolving handle, inch

Item No.	Size	D	D1	D2	D3	D4	D5	A	A1	H	H1	L	L1	L2
K0257.1080C0	1	0,375	80	25	19	13	M4	30	2,5	17,5	13	75	37,5	40
K0257.2100C0	2	0,375	100	28	19	16	M5	38	3	20	13	90	44	49,5
K0257.2100CP	2	0,5	100	28	19	16	M5	38	3	20	13	90	44	49,5
K0257.3125CP	3	0,5	125	35	25	20	M6	47,5	4	23,5	18,5	109	53	60
K0257.4160CP	4	0,5	160	45	25	25	M8	62	5,6	28	18,5	144	64,5	83,5
K0257.4160CQ	4	0,625	160	45	25	25	M8	62	5,6	28	18,5	144	64,5	83,5

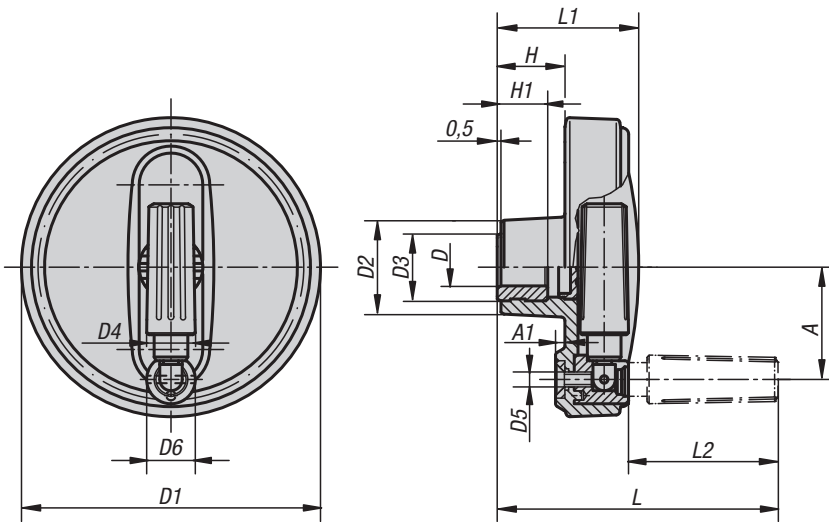
KIPP Handwheels, with revolving handle, metric

Item No.	Size	D	D1	D2	D3	D4	D5	A	A1	H	H1	L	L1	L2
K0257.108008	1	8	80	25	19	13	M4	30	2,5	17,5	13	75	37,5	40
K0257.210010	2	10	100	28	19	16	M5	38	3	20	13	90	44	49,5
K0257.210012	2	12	100	28	19	16	M5	38	3	20	13	90	44	49,5
K0257.312512	3	12	125	35	25	20	M6	47,5	4	23,5	18,5	109	53	60
K0257.416014	4	14	160	45	25	25	M8	62	5,6	28	18,5	144	64,5	83,5
K0257.416016	4	16	160	45	25	25	M8	62	5,6	28	18,5	144	64,5	83,5

Handwheels

with fold-away handle

INCH Parts METRIC Parts



Material:
Black gray thermoplastic.

Type:
Steel parts black oxide finish.

Part Number Example:
K0258.1080C0

Note:
The hub cover is supplied unassembled.
The handwheels can be secured to the shaft by parallel key connection, cross-pinning or with a DIN 6912 socket head screw and a DIN 7349 washer.

KIPP Handwheels, with fold-away handle, inch

Item No.	Size	D	D1	D2	D3	D4	D5	D6	A	A1	H	H1	L	L1	L2
K0258.1080C0	1	0,375	80	25	19	13	M4	13	30	2,5	17,5	13	75	37,5	40
K0258.2100C0	2	0,375	100	28	19	16	M5	16	38	3	20	13	90	44	49
K0258.2100CP	2	0,5	100	28	19	16	M5	16	38	3	20	13	90	44	49
K0258.3125CP	3	0,5	125	35	25	20	M6	20	47,5	4	23,5	18,5	109	53	59,5
K0258.4160CP	4	0,5	160	45	25	25	M8	26	62	5,6	28	18,5	144	64,5	83,5
K0258.4160CQ	4	0,625	160	45	25	25	M8	26	62	5,6	28	18,5	144	64,5	83,5

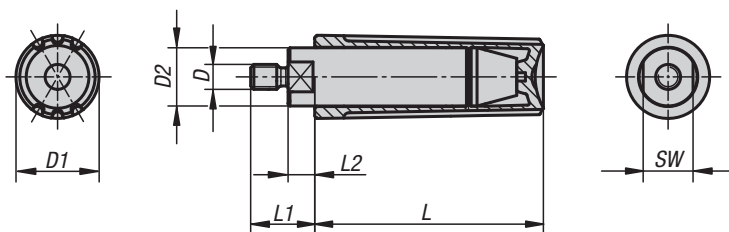
KIPP Handwheels, with fold-away handle, metric

Item No.	Size	D	D1	D2	D3	D4	D5	D6	A	A1	H	H1	L	L1	L2
K0258.108008	1	8	80	25	19	13	M4	13	30	2,5	17,5	13	75	37,5	40
K0258.210010	2	10	100	28	19	16	M5	16	38	3	20	13	90	44	49
K0258.210012	2	12	100	28	19	16	M5	16	38	3	20	13	90	44	49
K0258.312512	3	12	125	35	25	20	M6	20	47,5	4	23,5	18,5	109	53	59,5
K0258.416014	4	14	160	45	25	25	M8	26	62	5,6	28	18,5	144	64,5	83,5
K0258.416016	4	16	160	45	25	25	M8	26	62	5,6	28	18,5	144	64,5	83,5

Machine and Handwheel Handles



INCH Parts METRIC Parts



NOVO grip Handles are ergonomically designed with great versatility. Engineered for strength, durability and precision performance. These stylish handles will make any application stand out.

Material:
Black gray thermoplastic.

Type:
Steel parts black oxide finish.

Part Number Example:
K0263.1AE

Note:
Revolving Handles are supplied assembled and can be fitted to handwheels, cranks or any other operating element.

KIPP Revolving Handles, inch

Item No.	Size	D	D1	D2	L	L1	L2	SW
K0263.1AE	1	8-32	13	9	35	11	5	8
K0263.2A1	2	10-32	16	11	44	13	5,5	10
K0263.3A2	3	1/4-20	20	14	55	14	5	12
K0263.4A3	4	5/16-18	25	18	70,5	25	13	15

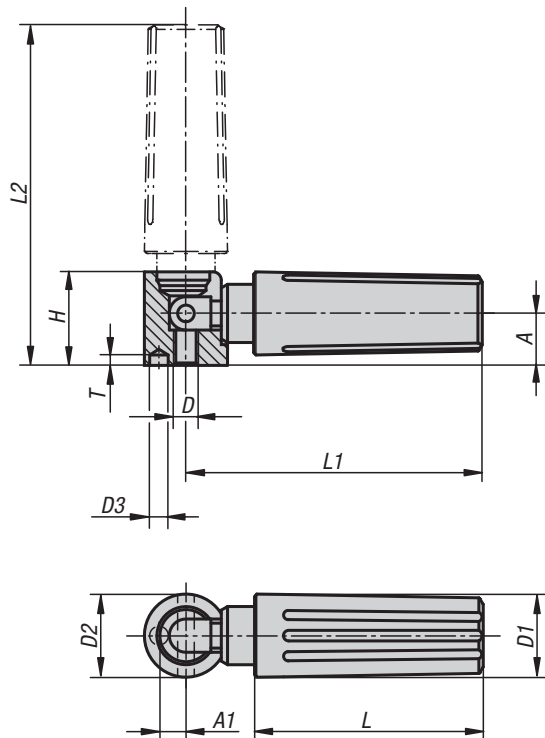
KIPP Revolving Handles, metric

Item No.	Size	D	D1	D2	L	L1	L2	SW
K0263.104	1	M4	13	9	35	11	5	8
K0263.205	2	M5	16	11	44	13	5,5	10
K0263.306	3	M6	20	14	55	14	5	12
K0263.408	4	M8	25	18	70,5	25	13	15

Machine and Handwheel Handles



INCH Parts METRIC Parts



NOVO grip Handles are ergonomically designed with great versatility. Engineered for strength, durability and precision performance. These stylish handles will make any application stand out.

Material:
Black gray thermoplastic.

Type:
Steel parts black oxide finish.

Part Number Example:
K0264.1AE

Note:
Revolving Handles are supplied assembled and can be fitted to handwheels, cranks or any other operating element.
The hole D3 is used for positioning.

KIPP Fold-Away Handles, inch

Item No.	Size	D	D1	D2	D3	A	A1	H	L	L1	L2	T
K0264.1AE	1	8-32	13	13	2,5	8	4,3	14,5	35	47	54,5	4,5
K0264.2A1	2	10-32	16	16	3,5	10	5,3	18	44	58	67	4,5
K0264.3A2	3	1/4-20	20	20	4,5	12,5	6,5	22,5	55	71,5	82	6
K0264.4A3	4	5/16-18	25	26	5,5	16	9	29	70,5	98,5	112,5	6,5

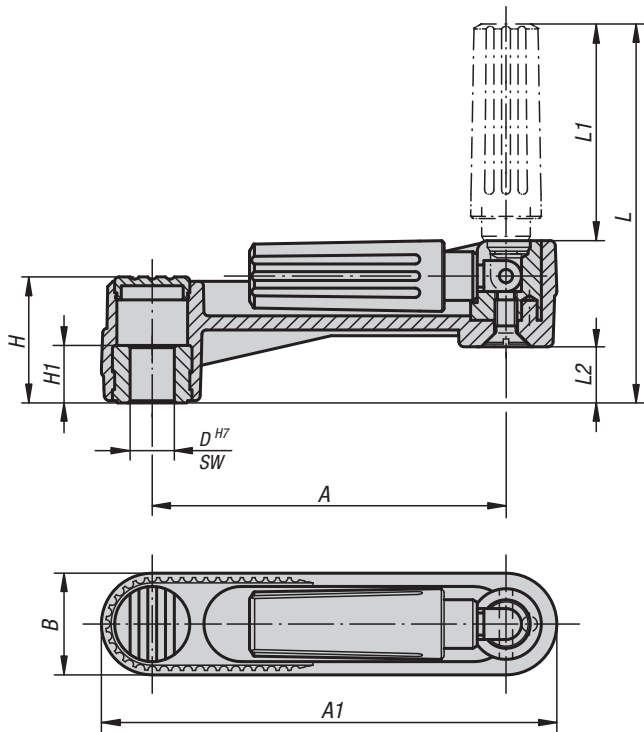
KIPP Fold-Away Handles, metric

Item No.	Size	D	D1	D2	D3	A	A1	H	L	L1	L2	T
K0264.104	1	M4	13	13	2,5	8	4,3	14,5	35	47	54,5	4,5
K0264.205	2	M5	16	16	3,5	10	5,3	18	44	58	67	4,5
K0264.306	3	M6	20	20	4,5	12,5	6,5	22,5	55	71,5	82	6
K0264.408	4	M8	25	26	5,5	16	9	29	70,5	98,5	112,5	6,5

Crank Handles

with fold-away grip

INCH Parts METRIC Parts



NOVO grip Crank Handles are part of the advanced engineering NOVO grip product line from KIPP. These trend-setting Crank Handles are ergonomically designed to perform in any application offering strength, durability, and precision performance while offering an attractive appearance.

Material:
Black gray thermoplastic.

Type:
Steel parts black oxide finish.

Part Number Example:
K0266.11CO

Note:
The hub cap is supplied loose.
The crank handle can be secured to a shaft using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.

KIPP Crank Handles, with fold-away grip, inch

Item No.	Size	A	A1	B	D	H	H1	L	L1	L2
K0266.11CO	1	80	104	24	0,375	29	13	85,5	49	13
K0266.12CO	2	100	129	29	0,375	36	13	105	59,5	16
K0266.12CP	2	100	129	29	0,5	36	13	105	59,5	16
K0266.13CP	3	125	161	36	0,5	44	18,5	140	83,5	19,5

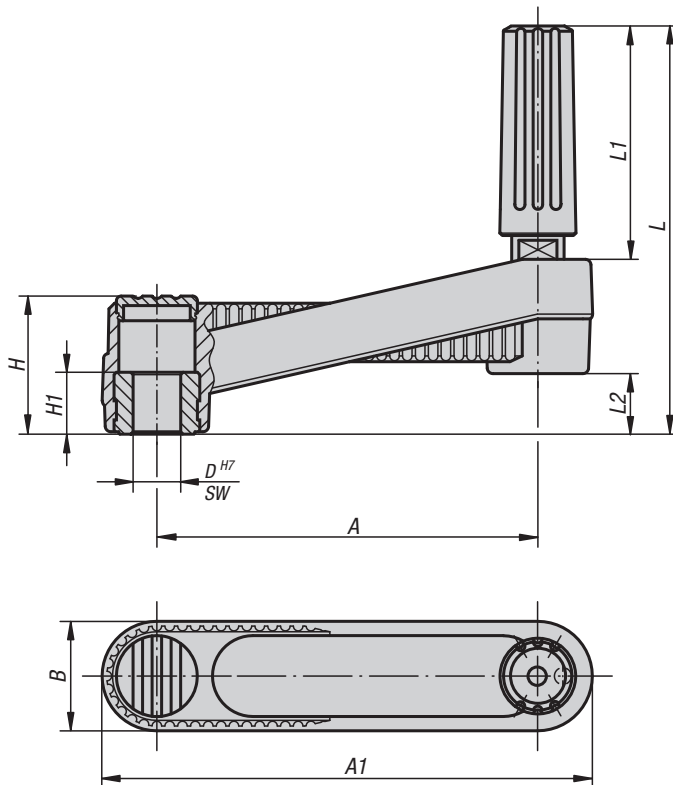
KIPP Crank Handles, with fold-away grip, metric

Item No.	Size	A	A1	B	D	H	H1	L	L1	L2
K0266.1108	1	80	104	24	8	29	13	85,5	49	13
K0266.1210	2	100	129	29	10	36	13	105	59,5	16
K0266.1212	2	100	129	29	12	36	13	105	59,5	16
K0266.1312	3	125	161	36	12	44	18,5	140	83,5	19,5

Crank Handles

with revolving grip

INCH Parts METRIC Parts



NOVO grip Crank Handles are part of the advanced engineering NOVO grip line from KIPP. These trend-setting Crank Handles are ergonomically designed to perform in any application offering strength, durability, and precision performance while offering an attractive appearance.

Material:
Black gray thermoplastic.

Type:
Steel parts black oxide finish.

Part Number Example:
K0659.31C0

Note:
The hub cap and the revolving grip are supplied loose. To assemble the handle simply screw the grip into the existing hole. NOVO grip crank handles can be secured to a shaft by using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.

KIPP Crank Handles, with revolving grip, inch

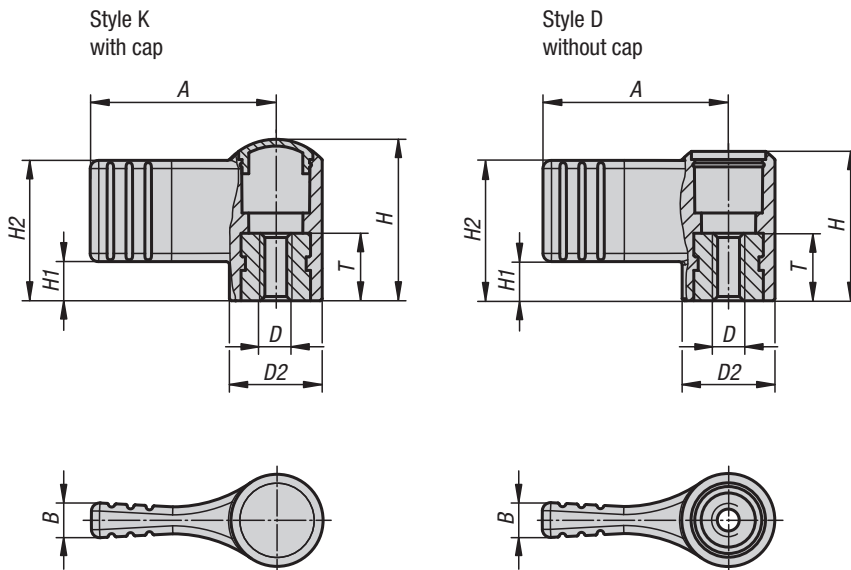
Item No.	Size	A	A1	B	D	H	H1	L	L1	L2
K0659.31C0	1	80	104	24	0,375	29	13	85,5	49	13
K0659.32C0	2	100	129	29	0,375	36	13	105	59,5	16
K0659.32CP	3	100	129	29	0,5	36	13	105	59,5	16
K0659.33CP	3	125	161	36	0,5	44	18,5	140	83,5	19,5

KIPP Crank Handles, with revolving grip, metric

Item No.	Size	A	A1	B	D	H	H1	L	L1	L2
K0659.3108	1	80	104	24	8	29	13	85,5	49	13
K0659.3210	2	100	129	29	10	36	13	105	59,5	16
K0659.3212	2	100	129	29	12	36	13	105	59,5	16
K0659.3312	3	125	161	36	12	44	18,5	140	83,5	19,5

Wing Grips one-sided

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Material:

Black gray thermoplastic.
Bushing steel 5.8, or
stainless steel 1.4305.

Type:

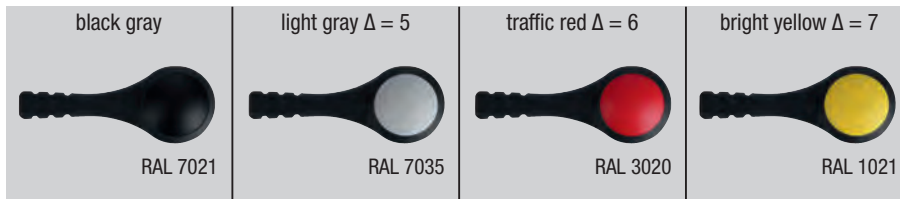
Black gray.
Bushing blue chromate or
stainless steel natural finish.

Part Number Example:

K0608.09046
(M4 bushing in stainless steel, cap traffic red.)

Note:

Δ Add the desired cap color here. No color code
is required for black gray caps.



KIPP Wing Grips, one-sided with cap, metric

Item No. Steel	Item No. Stainless steel	Style	Size	D	D2	A	B	H	H1	H2	T
K0608.904Δ	K0608.0904Δ	K	9	M4	12	22	4,4	18	4,5	15,5	10
K0608.905Δ	K0608.0905Δ	K	9	M5	12	22	4,4	18	4,5	15,5	10
K0608.906Δ	K0608.0906Δ	K	9	M6	12	22	4,4	18	4,5	15,5	10
K0608.105Δ	K0608.0105Δ	K	1	M5	14	27,5	5,1	24	5,8	20,8	10
K0608.106Δ	K0608.0106Δ	K	1	M6	14	27,5	5,1	24	5,8	20,8	10
K0608.208Δ	K0608.0208Δ	K	2	M8	21	37,5	6,3	36	8,5	30,5	14
K0608.210Δ	K0608.0210Δ	K	2	M10	21	37,5	6,3	36	8,5	30,5	14

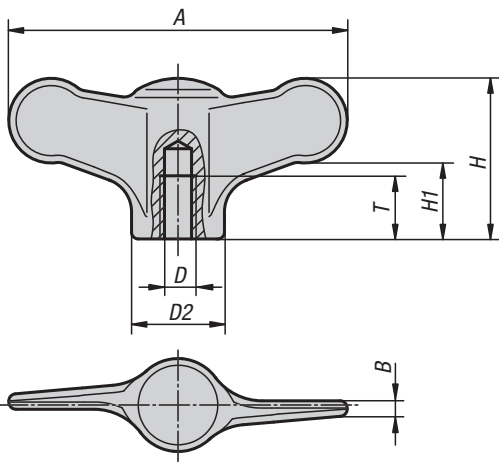
KIPP Wing grips, one-sided without cap, metric

Item No. Steel	Item No. Stainless steel	Style	Size	D	D2	A	B	H	H1	H2	T
K0608.1904	K0608.10904	D	9	M4	12	22	4,4	16,1	4,5	15,5	10
K0608.1905	K0608.10905	D	9	M5	12	22	4,4	16,1	4,5	15,5	10
K0608.1906	K0608.10906	D	9	M6	12	22	4,4	16,1	4,5	15,5	10
K0608.1105	K0608.10105	D	1	M5	14	27,5	5,1	22,1	5,8	20,8	10
K0608.1106	K0608.10106	D	1	M6	14	27,5	5,1	22,1	5,8	20,8	10
K0608.1208	K0608.10208	D	2	M8	21	37,5	6,3	33,3	8,5	30,5	14
K0608.1210	K0608.10210	D	2	M10	21	37,5	6,3	33,3	8,5	30,5	14

K0273

Wing Grips

stainless steel



Material:

Stainless steel 1.4308

Type:

Blasted or ground and polished.

Part Number Example:

K0273.9AE

On request:

Wing Grips with external threads.

Wing Grips

stainless steel



KIPP Wing Grips, stainless steel, internal thread, inch

Item No.	Style	D	D2	A	B	H	H1	T
K0273.9AE	polished	8-32	10,5	38	1,7	18	8,5	9
K0273.9A1	polished	10-32	10,5	38	1,7	18	8,5	9
K0273.9A2	polished	1/4-20	10,5	38	1,7	18	8,5	9
K0273.1A0	polished	10-24	14	50	2,3	24	11,5	10
K0273.1A1	polished	10-32	14	50	2,3	24	11,5	12
K0273.1A2	polished	1/4-20	14	50	2,3	24	11,5	10
K0273.2A3	polished	5/16-18	21	75	3,4	35	16,5	14
K0273.2A4	polished	3/8-16	21	75	3,4	35	16,5	14
K0273.9AE1	blasted	8-32	10,5	38	1,7	18	8,5	9
K0273.9A11	blasted	10-32	10,5	38	1,7	18	8,5	9
K0273.9A21	blasted	1/4-20	10,5	38	1,7	18	8,5	9
K0273.1A01	blasted	10-24	14	50	2,3	24	11,5	12
K0273.1A11	blasted	10-32	14	50	2,3	24	11,5	12
K0273.1A21	blasted	1/4-20	14	50	2,3	24	11,5	12
K0273.2A31	blasted	5/16-18	21	75	3,4	35	16,5	15
K0273.2A41	blasted	3/8-16	21	75	3,4	35	16,5	15

KIPP Wing Grips, stainless steel, internal thread, metric

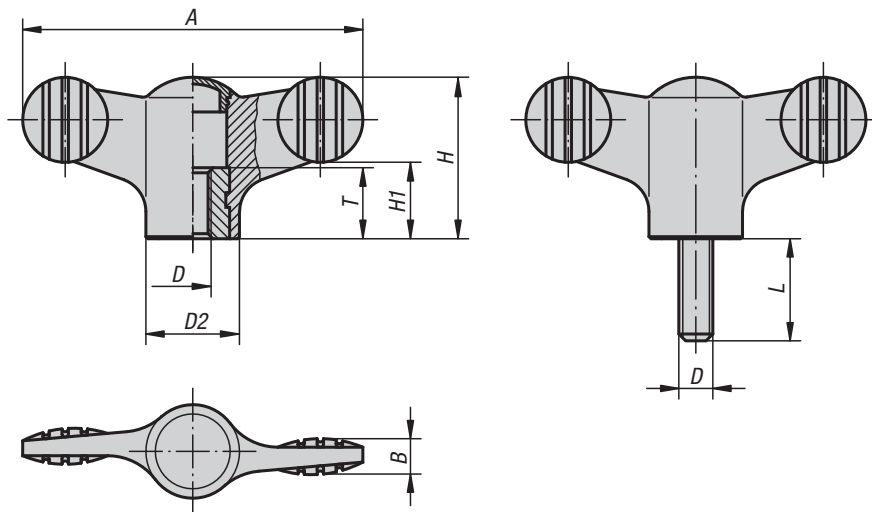
Item No.	Style	D	D2	A	B	H	H1	T
K0273.904	polished	M4	10,5	38	1,7	18	8,5	9
K0273.905	polished	M5	10,5	38	1,7	18	8,5	9
K0273.906	polished	M6	10,5	38	1,7	18	8,5	9
K0273.105	polished	M5	14	50	2,3	24	11,5	12
K0273.106	polished	M6	14	50	2,3	24	11,5	12
K0273.208	polished	M8	21	75	3,4	35	16,5	15
K0273.210	polished	M10	21	75	3,4	35	16,5	15
K0273.9041	blasted	M4	10,5	38	1,7	18	8,5	9
K0273.9051	blasted	M5	10,5	38	1,7	18	8,5	9
K0273.9061	blasted	M6	10,5	38	1,7	18	8,5	9
K0273.1051	blasted	M5	14	50	2,3	24	11,5	12
K0273.1061	blasted	M6	14	50	2,3	24	11,5	12
K0273.2081	blasted	M8	21	75	3,4	35	16,5	15
K0273.2101	blasted	M10	21	75	3,4	35	16,5	15

Wing Grips



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The modern design and hi-tech engineering of NOVO grip Wing Grips offers perfect performance and ergonomic functionality. These NOVO grip Wing Grips will improve appearance and functionality of any application, increasing performance while offering a more comfortable grip.

Material:

Black gray thermoplastic;
bushing and threaded bolt in steel 5.8 or stainless steel 1.4305

Type:

Grip black gray
bushing and threaded bolt in steel blue chromate or stainless steel natural finish

Part Number Example:

K0274.9AE7X10
(cap color bright yellow; include length L)

Note:

Δ Add the desired cap color here; no color code is required for black gray caps.

black gray  RAL 7021	light gray Δ = 5  RAL 7035	traffic red Δ = 6  RAL 3020	bright yellow Δ = 7  RAL 1021
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KIPP Wing Grips, internal thread, inch

Item No. Steel	Item No. Stainless steel	D	D2	A	B	H	H1	T
K0274.9AEΔ	K0274.09AEΔ	8-32	12	38	4,5	18	8,5	10
K0274.9A1Δ	K0274.09A1Δ	10-32	12	38	4,5	18	8,5	10
K0274.9A2Δ	K0274.09A2Δ	1/4-20	12	38	4,5	18	8,5	10
K0274.1A1Δ	K0274.01A1Δ	10-32	14	50	5	24	11,5	10
K0274.1A2Δ	K0274.01A2Δ	1/4-20	14	50	5	24	11,5	10
K0274.2A3Δ	K0274.02A3Δ	5/16-18	21	75	7	35,6	16,5	14
K0274.2A4Δ	K0274.02A4Δ	3/8-16	21	75	7	35,6	16,5	14

KIPP Wing Grips, external thread, inch

Item No. stud steel	Item No. stud stainless steel	D	D2	A	B	H	H1	L
K0274.9AEΔX	K0274.09AEΔX	8-32	12	38	4,5	18	8,5	10/20
K0274.9A1ΔX	K0274.09A1ΔX	10-32	12	38	4,5	18	8,5	10/20
K0274.9A2ΔX	K0274.09A2ΔX	1/4-20	12	38	4,5	18	8,5	20/30/40
K0274.1A1ΔX	K0274.01A1ΔX	10-32	14	50	5	24	11,5	10/20
K0274.1A2ΔX	K0274.01A2ΔX	1/4-20	14	50	5	24	11,5	20/30/40
K0274.1A3ΔX	K0274.01A3ΔX	5/16-18	14	50	5	24	11,5	20/40
K0274.2A3ΔX	K0274.02A3ΔX	5/16-18	21	75	7	35,6	16,5	20/40
K0274.2A4ΔX	K0274.02A4ΔX	3/8-16	21	75	7	35,6	16,5	20/40

KIPP Wing Grips, internal thread, metric

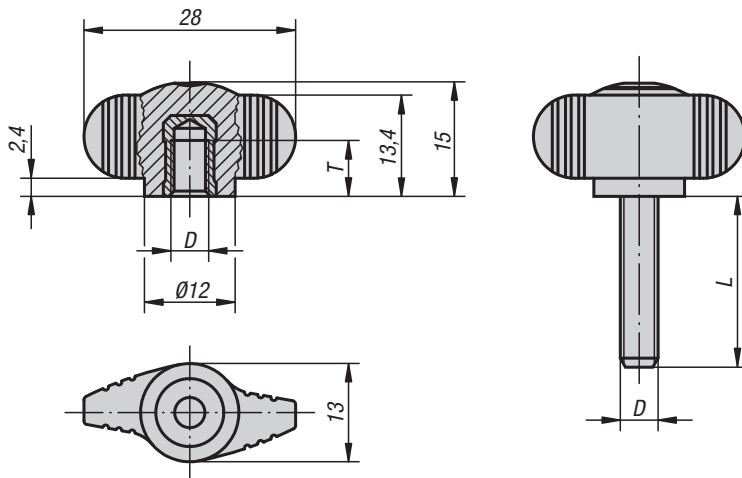
Item No. Steel	Item No. Stainless steel	D	D2	A	B	H	H1	T
K0274.904Δ	K0274.0904Δ	M4	12	38	4,5	18	8,5	10
K0274.905Δ	K0274.0905Δ	M5	12	38	4,5	18	8,5	10
K0274.906Δ	K0274.0906Δ	M6	12	38	4,5	18	8,5	10
K0274.105Δ	K0274.0105Δ	M5	14	50	5	24	11,5	10
K0274.106Δ	K0274.0106Δ	M6	14	50	5	24	11,5	10
K0274.208Δ	K0274.0208Δ	M8	21	75	7	35,6	16,5	14
K0274.210Δ	K0274.0210Δ	M10	21	75	7	35,6	16,5	14

KIPP NOVO grip Wing Grips, external thread, metric

Item No. stud steel	Item No. stud stainless steel	D	D2	A	B	H	H1	L
K0274.904ΔX	K0274.0904ΔX	M4	12	38	4,5	18	8,5	10/15
K0274.905ΔX	K0274.0905ΔX	M5	12	38	4,5	18	8,5	15/20/30
K0274.906ΔX	K0274.0906ΔX	M6	12	38	4,5	18	8,5	20/30/40
K0274.105ΔX	K0274.0105ΔX	M5	14	50	5	24	11,5	15/20
K0274.106ΔX	K0274.0106ΔX	M6	14	50	5	24	11,5	20/30/40
K0274.108ΔX	K0274.0108ΔX	M8	14	50	5	24	11,5	20/30/40
K0274.208ΔX	K0274.0208ΔX	M8	21	75	7	35,6	16,5	20/30/40
K0274.210ΔX	K0274.0210ΔX	M10	21	75	7	35,6	16,5	20/30/40/50

Mini Wings

INCH Parts METRIC Parts



This unique and technically superior NOVO grip product, brings advanced ergonomic design, durability, strength, eye appeal and finger specific precision performance to any application. The perfect solution for high performance and precise gripping requirements in a “mini” space.

Material:
 Grip black gray thermoplastic.
 Brass bushing or stainless steel 1.4305.
 Threaded bolt steel 5.8 or stainless steel 1.4305.

Type:
 Steel blue chromate.
 Stainless steel natural finish.

Part Number Example:
 K0274.0AEX10 (include length L)

KIPP Mini Wings, internal thread, inch

Item No.	Version	D	T
K0274.0AE	bushing brass	8-32	6
K0274.0A1	bushing brass	10-32	7,5
K0274.0A2	bushing brass	1/4-20	9
K0274.00AE	bushing stainless steel	8-32	6
K0274.00A1	bushing stainless steel	10-32	7,5
K0274.00A2	bushing stainless steel	1/4-20	9

KIPP Mini Wings, external thread, inch

Item No.	Version	D	L
K0274.0AEX	stud steel	8-32	10/20
K0274.0A1X	stud steel	10-32	10/20
K0274.0A2X	stud steel	1/4-20	20/30
K0274.0A3X	stud steel	5/16-18	20/40
K0274.00AEX	stud stainless steel	8-32	10/20
K0274.00A1X	stud stainless steel	10-32	10/20
K0274.00A2X	stud stainless steel	1/4-20	20/30
K0274.00A3X	stud stainless steel	5/16-18	20/40

KIPP Mini Wings, internal thread, metric

Item No.	Version	D	T
K0274.004	bushing brass	M4	6
K0274.005	bushing brass	M5	7,5
K0274.006	bushing brass	M6	9
K0274.0004	bushing stainless steel	M4	6
K0274.0005	bushing stainless steel	M5	7,5
K0274.0006	bushing stainless steel	M6	9

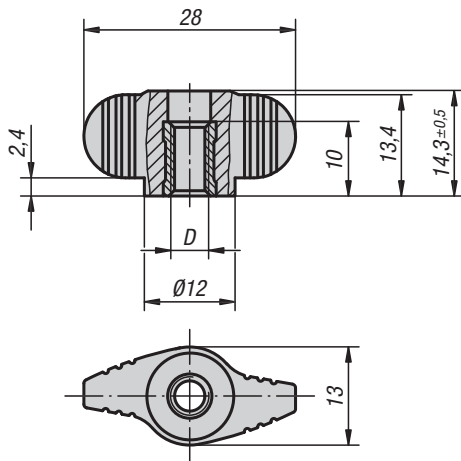
KIPP Mini Wings, external thread, metric

Item No.	Version	D	L
K0274.004X	stud steel	M4	8
K0274.005X	stud steel	M5	10/15/20
K0274.006X	stud steel	M6	10/15/20/25/30
K0274.008X	stud steel	M8	20/25/30/40
K0274.0004X	stud stainless steel	M4	8
K0274.0005X	stud stainless steel	M5	10/15/20
K0274.0006X	stud stainless steel	M6	10/15/20/25/30
K0274.0008X	stud stainless steel	M8	20/25/30/40

Mini Wings

with continuous internal thread

INCH Parts METRIC Parts



Technical passion played an important role when developing these small-sized wing grips. The result is a Miniwing that is far more than a means to an end. It is a well-planned operating and working part with finger-specific ergonomics.

Material:

Grip thermoplastic.
Bushing steel 5.8 or stainless steel 1.4305.

Type:

Grip black gray.
Steel blue chromate.
Stainless steel natural finish.

Part Number Example:

K0658.10AE

KIPP Mini Wings with continuous internal thread, inch

Item No.	Component material	D
K0658.10AE	Steel	8-32
K0658.10A1	Steel	10-32
K0658.10A2	Steel	1/4-20
K0658.100AE	Stainless steel	8-32
K0658.100A1	Stainless steel	10-32
K0658.100A2	Stainless steel	1/4-20

KIPP Mini Wings with continuous internal thread, metric

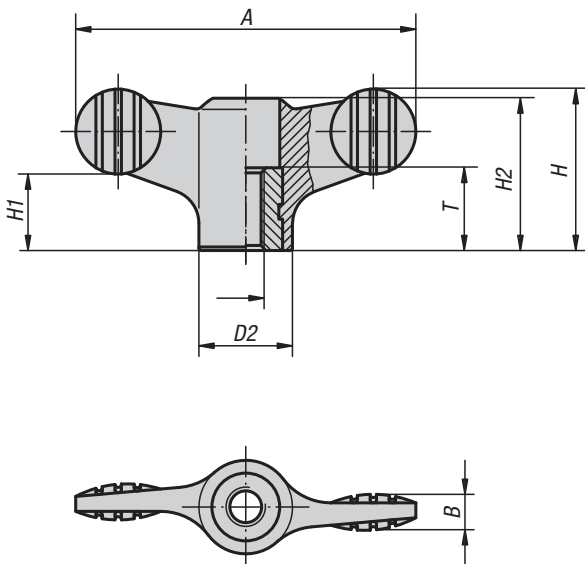
Item No.	Component material	D
K0658.1004	Steel	M4
K0658.1005	Steel	M5
K0658.1006	Steel	M6
K0658.10004	Stainless steel	M4
K0658.10005	Stainless steel	M5
K0658.10006	Stainless steel	M6

Wing Grips

with continuous internal thread

INCH
Parts

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Parts



For many the modern NOVO grip Wing Grips represent the perfect constructive and technical solution for absolutely "natural" gripping. It enables more comfortable handling than ever before.

Material:

Black gray thermoplastic, bushing steel 5.8 or stainless steel 1.4305.

Type:

Bushing steel blue chromate or stainless steel natural finish.

Part Number Example:

K0274.19AE

KIPP Wing Grips with continuous internal thread, inch

Item No. Steel	Item No. Stainless steel	D	D2	A	B	H	H1	H2	T
K0274.19AE	K0274.109AE	8-32	12	38	4,5	18	8,5	16,1	10
K0274.19A1	K0274.109A1	10-32	12	38	4,5	18	8,5	16,1	10
K0274.19A2	K0274.109A2	1/4-20	12	38	4,5	18	8,5	16,1	10
K0274.11A1	K0274.101A1	10-32	14	50	5	24	11,5	22	10
K0274.11A2	K0274.101A2	1/4-20	14	50	5	24	11,5	22	10
K0274.12A3	K0274.102A3	5/16-18	21	75	7	35,6	17	33,3	14
K0274.12A4	K0274.102A4	3/8-16	21	75	7	35,6	17	33,3	14

KIPP Wing Grips with continuous internal thread, metric

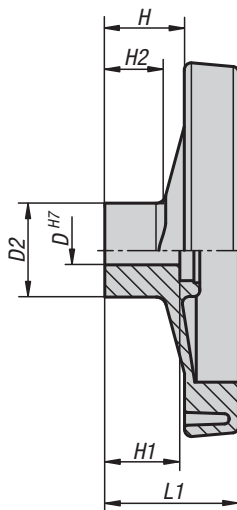
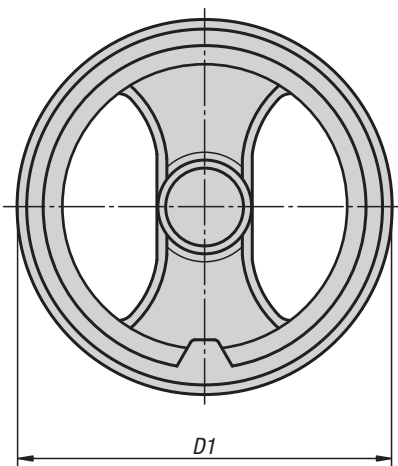
Item No. Steel	Item No. Stainless steel	D	D2	A	B	H	H1	H2	T
K0274.1904	K0274.10904	M4	12	38	4,5	18	8,5	16,1	10
K0274.1905	K0274.10905	M5	12	38	4,5	18	8,5	16,1	10
K0274.1906	K0274.10906	M6	12	38	4,5	18	8,5	16,1	10
K0274.1105	K0274.10105	M5	14	50	5	24	11,5	22	10
K0274.1106	K0274.10106	M6	14	50	5	24	11,5	22	10
K0274.1208	K0274.10208	M8	21	75	7	35,6	17	33,3	14
K0274.1210	K0274.10210	M10	21	75	7	35,6	17	33,3	14

Handwheels 2-spoke

plastic

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Material:

Handwheel reinforced and stabilized polyamide.
Center plugs polyamide. Bored bushing steel.

Type:

Handwheel oil and grease resistant, black (RAL 9011), satin finish.
Center plugs, gray (RAL 7035 cod. 13).
Through bushing black oxide finish or galvanized (Inch versions).

Part Number Example:

K0725.0080X08

Note:

The tolerance H7 for the bore D in the drawing is only for metric handwheels. For inch handwheels the tolerance is H10.

On request:

Other cap colors, special versions.

KIPP Handwheels 2-spoke, plastic, inch

Item No.	D	D1	D2	H	H1	H2	L1
K0725.0080XCN	0,312	80	24,5	20	20	16	34
K0725.0100XCO	0,375	99	28	25,5	24	20	42
K0725.0100XCQ	0,625	99	28	25,5	24	20	42
K0725.0130XCN	0,312	129	32	30	24	21	50
K0725.0130XCO	0,375	129	32	30	24	21	50
K0725.0160XCO	0,375	159	40	33	32	22	57
K0725.0160XCP	0,5	159	40	33	32	22	57
K0725.0160XCQ	0,625	159	40	33	32	22	57
K0725.0200XCO	0,375	198	51	31	32	17,5	60
K0725.0200XCQ	0,625	198	51	31	32	17,5	60
K0725.0250XCQ	0,625	252	55,5	39,5	36	24	71

KIPP Handwheels 2-spoke, plastic, metric

Item No.	D	D1	D2	H	H1	H2	L1
K0725.0080X08	8	80	24,5	20	20	16	34
K0725.0080X10	10	80	24,5	20	20	16	34
K0725.0100X10	10	99	28	25,5	24	20	42
K0725.0100X12	12	99	28	25,5	24	20	42
K0725.0130X12	12	129	32	30	24	21	50
K0725.0130X14	14	129	32	30	24	21	50
K0725.0160X14	14	159	40	33	32	22	57
K0725.0160X16	16	159	40	33	32	22	57
K0725.0200X16	16	198	51	31	32	17,5	60
K0725.0200X20	20	198	51	31	32	17,5	60
K0725.0250X20	20	252	55,5	39,5	36	24	71
K0725.0250X24	24	252	55,5	39,5	36	24	71
K0725.0345X20	20	346	67,5	42	32	24	79

Handwheels 2-spoke

plastic, with revolving grip



Material:

Handwheel reinforced and stabilized polyamide.
Center plugs polyamide.
Bored bushing steel. Tapped insert for cylinder grip brass.

Type:

Handwheel oil and grease resistant, black (RAL 9011), satin finish.
Center plugs, gray (RAL 7035 cod. 13).
Through bushing black oxide finish or galvanized (Inch versions).

Part Number Example:

K0725.4080X08

Note:

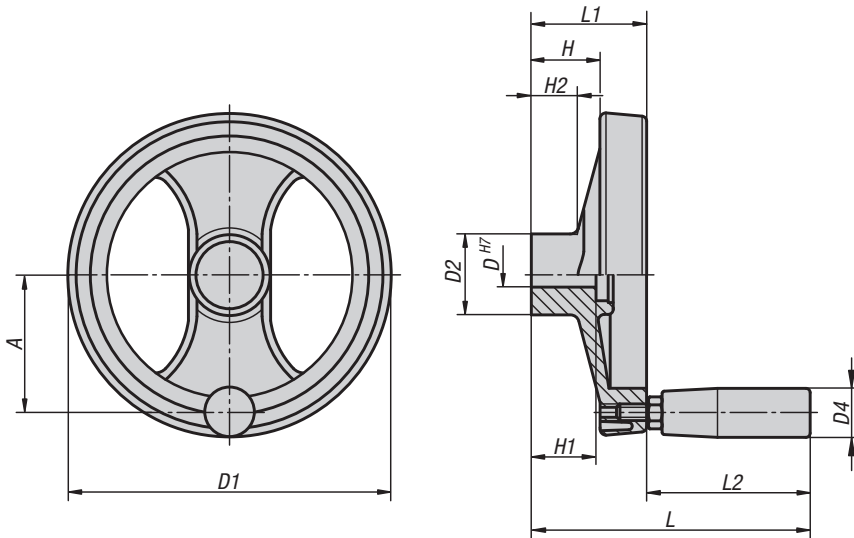
The tolerance H7 for the bore D in the drawing is only for metric handwheels. For inch handwheels the tolerance is H10.

On request:

Other cap colors, special versions.

INCH
Parts

METRIC
Parts



KIPP Handwheels 2-spoke, plastic, with revolving grip, inch

Item No.	D	D1	D2	D4	H	H1	H2	A	L	L1	L2
K0725.4080XCN	0,312	80	24,5	20	20	20	16	30	85	34	51
K0725.4100XCO	0,375	99	28	20	25,5	24	20	38	93	43	51
K0725.4100XCP	0,5	99	28	20	25,5	24	20	38	93	43	51
K0725.4130XCN	0,312	129	32	23	30	24	21	55	112	50	62
K0725.4130XCO	0,375	129	32	23	30	24	21	55	112	50	62
K0725.4160XCO	0,375	159	40	23	33	32	22	66	119	57	62
K0725.4160XCP	0,5	159	40	23	33	32	22	66	119	57	62
K0725.4160XCQ	0,625	159	40	23	33	32	22	66	119	57	62
K0725.4200XCQ	0,625	198	51	26	31	32	17,5	82	141	60	81
K0725.4250XCR	0,75	252	55,5	27	39,5	36	24	113	163	71	92

KIPP Handwheels 2-spoke, plastic, with revolving grip, metric

Item No.	D	D1	D2	D4	H	H1	H2	A	L	L1	L2
K0725.4080X08	8	80	24,5	20	20	20	16	30	85	34	51
K0725.4080X10	10	80	24,5	20	20	20	16	30	85	34	51
K0725.4100X10	10	99	28	20	25,5	24	20	38	93	43	51
K0725.4100X12	12	99	28	20	25,5	24	20	38	93	43	51
K0725.4130X12	12	129	32	23	30	24	21	55	112	50	62
K0725.4130X14	14	129	32	23	30	24	21	55	112	50	62
K0725.4160X14	14	159	40	23	33	32	22	66	119	57	62
K0725.4160X16	16	159	40	23	33	32	22	66	119	57	62
K0725.4200X16	16	198	51	26	31	32	17,5	82	141	60	81
K0725.4200X20	20	198	51	26	31	32	17,5	82	141	60	81
K0725.4250X20	20	252	55,5	27	39,5	36	24	113	163	71	92
K0725.4250X24	24	252	55,5	27	39,5	36	24	113	163	71	92
K0725.4345X20	20	346	67,5	27	42	32	24	146	171	79	92

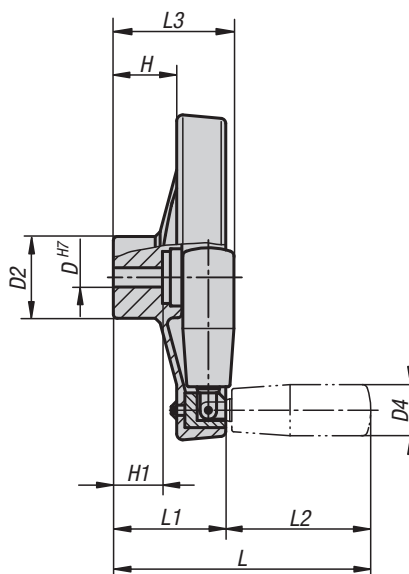
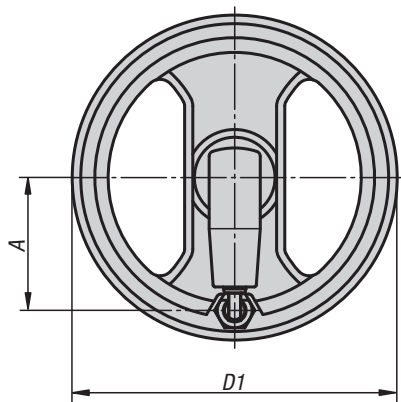
Handwheels 2-spoke

plastic, with fold-down grip



INCH
Parts

METRIC
Parts



Material:

Handwheel reinforced and stabilized polyamide.
Center plugs polyamide.
Bored bushing and tapped insert for cylinder grip steel.

Type:

Handwheel oil and grease resistant, black (RAL 9011), satin finish.
Center plugs, gray (RAL 7035 cod. 13).
Tapped bushing and insert for folding grip black oxide finish or galvanized (Inch versions).

Part Number Example:

K0725.6130X12

Note:

The tolerance H7 for the bore D in the drawing is only for metric handwheels. For inch handwheels the tolerance is H10.

On request:

Other cap colors, special versions.

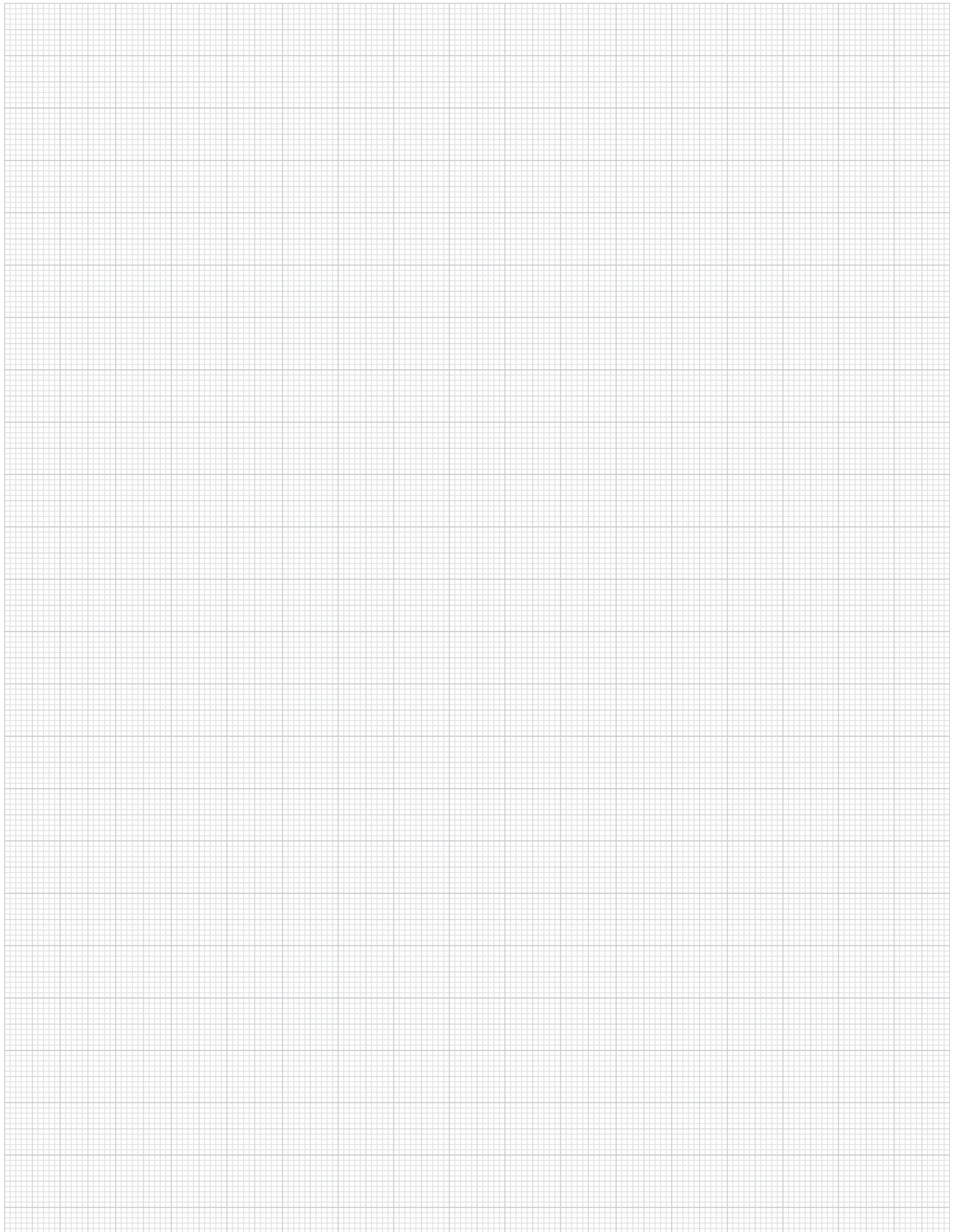
KIPP Handwheels 2-spoke, plastic, with fold-down grip, inch

Item No.	D	D1	D2	D4	A	H	H1	L	L1	L2	L3
K0725.6130XCN	0,312	129	32	20	51	29	20	111	52	59	53
K0725.6130XCO	0,375	129	32	20	51	29	20	111	52	59	53
K0725.6160XCO	0,375	159	40	25	65	31	24	126	55	71	59
K0725.6160XCP	0,5	159	40	25	65	31	24	126	55	71	59
K0725.6200XCP	0,5	200	54,5	27	80	33	28	160	69	91	69

KIPP Handwheels 2-spoke, plastic, with fold-down grip, metric

Item No.	D	D1	D2	D4	A	H	H1	L	L1	L2	L3
K0725.6130X12	12	129	32	20	51	29	20	111	52	59	53
K0725.6130X14	14	129	32	20	51	29	20	111	52	59	53
K0725.6160X14	14	159	40	25	65	31	24	126	55	71	59
K0725.6160X16	16	159	40	25	65	31	24	126	55	71	59
K0725.6200X16	16	200	54,5	27	80	33	28	160	69	91	69
K0725.6200X20	20	200	54,5	27	80	33	28	160	69	91	69
K0725.6345X20	20	346	67,5	27	148	43,5	32	144	80	91	80

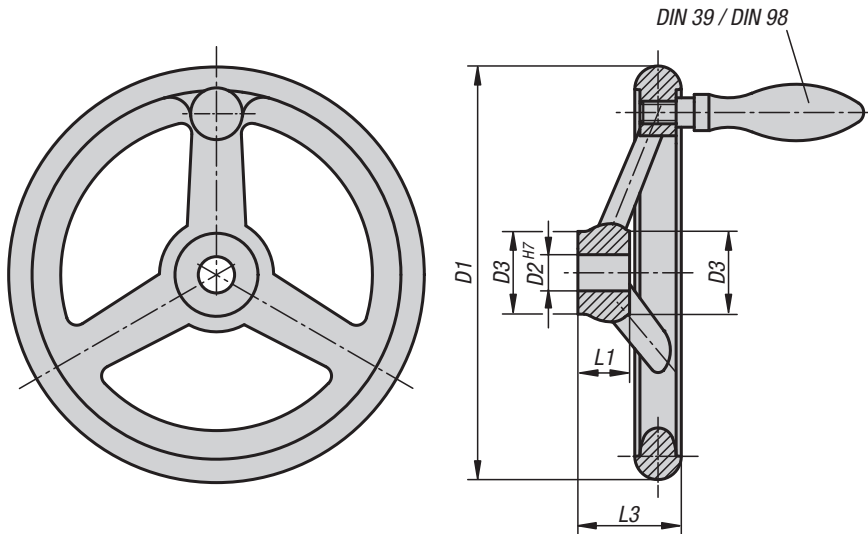
Notes:



Handwheels

gray cast iron DIN 950

INCH
Parts



Material:

Handwheel in gray cast iron, machine handle in steel

Type:

Wheel rim turned and polished.

Part Number Example:

K0671.0080XCN

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Handwheels gray cast iron DIN 950, without machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes
K0671.0080XCN	80	0,312	-	25	16	29	3
K0671.0080XC0	80	-	0,375	25	16	29	3
K0671.0100XC0	100	0,375	-	26	17	33	3
K0671.0100XCP	100	-	0,5	26	17	33	3
K0671.0125XC0	125	0,375	-	33	18	36	3
K0671.0125XCP	125	-	0,5	33	18	36	3
K0671.0140XCP	140	0,5	-	33	19	39	3
K0671.0140XCQ	140	-	0,625	33	19	39	3
K0671.0160XCP	160	0,5	-	37	20	40	3
K0671.0160XCQ	160	-	0,625	37	20	40	3
K0671.0180XCP	180	0,5	-	36	22	43	3
K0671.0180XCQ	180	-	0,625	36	22	43	3
K0671.0200XCQ	200	0,625	-	38	24	45	3
K0671.0200XCR	200	-	0,75	38	24	45	3
K0671.0250XCR	250	0,75	-	46	28	50	5
K0671.0250XCV	250	-	0,875	46	28	50	5
K0671.0315XCV	315	0,875	-	54	33	56	5
K0671.0315XCS	315	-	1	54	33	56	5
K0671.0400XCS	400	1	-	68	38	63	5
K0671.0500XCS	500	1	-	79	45	72	5

Handwheels

gray cast iron DIN 950



KIPP Handwheels gray cast iron DIN 950, with fixed machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	fixed grip DIN 39 Style E
K0671.2080XCN	80	0,312	-	25	16	29	3	ø16 x M6 x 50
K0671.2080XCO	80	-	0,375	25	16	29	3	ø16 x M6 x 50
K0671.2100XCO	100	0,375	-	26	17	33	3	ø16 x M6 x 50
K0671.2100XCP	100	-	0,5	26	17	33	3	ø16 x M6 x 50
K0671.2125XCO	125	0,375	-	33	18	36	3	ø20 x M8 x 64
K0671.2125XCP	125	-	0,5	33	18	36	3	ø20 x M8 x 64
K0671.2140XCP	140	0,5	-	33	19	39	3	ø20 x M8 x 64
K0671.2140XCQ	140	-	0,625	33	19	39	3	ø20 x M8 x 64
K0671.2160XCP	160	0,5	-	37	20	40	3	ø25 x M10 x 80
K0671.2160XCQ	160	-	0,625	37	20	40	3	ø25 x M10 x 80
K0671.2180XCP	180	0,5	-	36	22	43	3	ø25 x M10 x 80
K0671.2180XCQ	180	-	0,625	36	22	43	3	ø25 x M10 x 80
K0671.2200XCQ	200	0,625	-	38	24	45	3	ø25 x M10 x 80
K0671.2200XCR	200	-	0,75	38	24	45	3	ø25 x M10 x 80
K0671.2250XCR	250	0,75	-	46	28	50	5	ø32 x M12 x 100
K0671.2250XCV	250	-	0,875	46	28	50	5	ø32 x M12 x 100
K0671.2315XCV	315	0,875	-	54	33	56	5	ø32 x M12 x 100
K0671.2315XCS	315	-	1	54	33	56	5	ø32 x M12 x 100
K0671.2400XCS	400	1	-	68	38	63	5	ø36 x M16 x 112
K0671.2500XCS	500	1	-	79	45	72	5	ø36 x M16 x 112

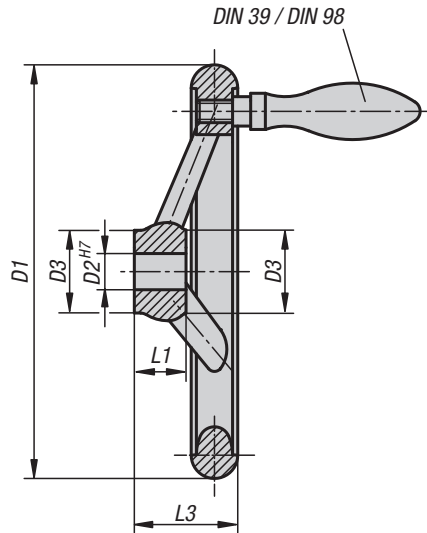
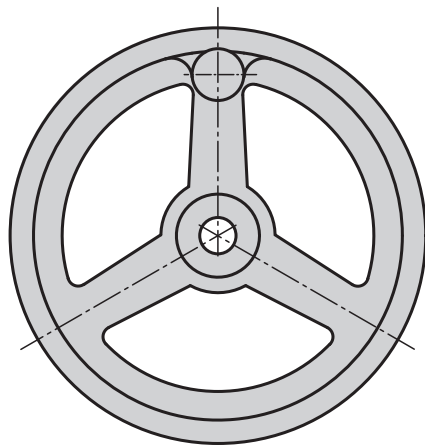
KIPP Handwheels gray cast iron DIN 950, with revolving machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	revolving machine handle DIN 98 Style E
K0671.4080XCN	80	0,312	-	25	16	29	3	ø16 x M6 x 54,5
K0671.4080XCO	80	-	0,375	25	16	29	3	ø16 x M6 x 54,5
K0671.4100XCO	100	0,375	-	26	17	33	3	ø16 x M6 x 54,5
K0671.4100XCP	100	-	0,5	26	17	33	3	ø16 x M6 x 54,5
K0671.4125XCO	125	0,375	-	33	18	36	3	ø20 x M8 x 67
K0671.4125XCP	125	-	0,5	33	18	36	3	ø20 x M8 x 67
K0671.4140XCP	140	0,5	-	33	19	39	3	ø20 x M8 x 67
K0671.4140XCQ	140	-	0,625	33	19	39	3	ø20 x M8 x 67
K0671.4160XCP	160	0,5	-	37	20	40	3	ø25 x M10 x 83
K0671.4160XCQ	160	-	0,625	37	20	40	3	ø25 x M10 x 83
K0671.4180XCP	180	0,5	-	36	22	43	3	ø25 x M10 x 83
K0671.4180XCQ	180	-	0,625	36	22	43	3	ø25 x M10 x 83
K0671.4200XCQ	200	0,625	-	38	24	45	3	ø25 x M10 x 83
K0671.4200XCR	200	-	0,75	38	24	45	3	ø25 x M10 x 83
K0671.4250XCR	250	0,75	-	46	28	50	5	ø32 x M12 x 105,5
K0671.4250XCV	250	-	0,875	46	28	50	5	ø32 x M12 x 105,5
K0671.4315XCV	315	0,875	-	54	33	56	5	ø32 x M12 x 105,5
K0671.4315XCS	315	-	1	54	33	56	5	ø32 x M12 x 105,5
K0671.4400XCS	400	1	-	68	38	63	5	ø36 x M16 x 117
K0671.4500XCS	500	1	-	79	45	72	5	ø36 x M16 x 117

Handwheels

gray cast iron DIN 950

METRIC
Parts



Material:
Handwheel in gray cast iron, machine handle in steel

Type:
Wheel rim turned and polished.

Part Number Example:
K0671.0080X10

On request:
Square hole broached hubs or powder-coated handwheels.

KIPP Handwheels gray cast iron DIN 950, without machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes
K0671.0080X10	80	10	-	25	16	29	3
K0671.0080X12	80	-	12	25	16	29	3
K0671.0100X10	100	10	-	26	17	33	3
K0671.0100X12	100	-	12	26	17	33	3
K0671.0125X12	125	12	-	33	18	36	3
K0671.0125X14	125	-	14	33	18	36	3
K0671.0140X14	140	14	-	33	19	39	3
K0671.0140X16	140	-	16	33	19	39	3
K0671.0160X14	160	14	-	37	20	40	3
K0671.0160X16	160	-	16	37	20	40	3
K0671.0180X16	180	16	-	36	22	43	3
K0671.0180X18	180	-	18	36	22	43	3
K0671.0200X18	200	18	-	38	24	45	3
K0671.0200X22	200	-	22	38	24	45	3
K0671.0250X22	250	22	-	46	28	50	5
K0671.0250X26	250	-	26	46	28	50	5
K0671.0315X26	315	26	-	54	33	56	5
K0671.0315X30	315	-	30	54	33	56	5
K0671.0400X30	400	30	-	68	38	63	5
K0671.0400X34	400	-	34	68	38	63	5
K0671.0500X34	500	34	-	79	45	72	5
K0671.0500X40	500	-	40	79	45	72	5

KIPP Handwheels gray cast iron DIN 950, with fixed machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	fixed grip DIN 39 Style E
K0671.2080X10	80	10	-	25	16	29	3	ø16 x M6 x 50
K0671.2080X12	80	-	12	25	16	29	3	ø16 x M6 x 50
K0671.2100X10	100	10	-	26	17	33	3	ø16 x M6 x 50
K0671.2100X12	100	-	12	26	17	33	3	ø16 x M6 x 50
K0671.2125X12	125	12	-	33	18	36	3	ø20 x M8 x 64
K0671.2125X14	125	-	14	33	18	36	3	ø20 x M8 x 64
K0671.2140X14	140	14	-	33	19	39	3	ø20 x M8 x 64
K0671.2140X16	140	-	16	33	19	39	3	ø20 x M8 x 64
K0671.2160X14	160	14	-	37	20	40	3	ø25 x M10 x 80
K0671.2160X16	160	-	16	37	20	40	3	ø25 x M10 x 80
K0671.2180X16	180	16	-	36	22	43	3	ø25 x M10 x 80
K0671.2180X18	180	-	18	36	22	43	3	ø25 x M10 x 80
K0671.2200X18	200	18	-	38	24	45	3	ø25 x M10 x 80
K0671.2200X22	200	-	22	38	24	45	3	ø25 x M10 x 80
K0671.2250X22	250	22	-	46	28	50	5	ø32 x M12 x 100
K0671.2250X26	250	-	26	46	28	50	5	ø32 x M12 x 100
K0671.2315X26	315	26	-	54	33	56	5	ø32 x M12 x 100
K0671.2315X30	315	-	30	54	33	56	5	ø32 x M12 x 100
K0671.2400X30	400	30	-	68	38	63	5	ø36 x M16 x 112
K0671.2400X34	400	-	34	68	38	63	5	ø36 x M16 x 112
K0671.2500X34	500	34	-	79	45	72	5	ø36 x M16 x 112
K0671.2500X40	500	-	40	79	45	72	5	ø36 x M16 x 112

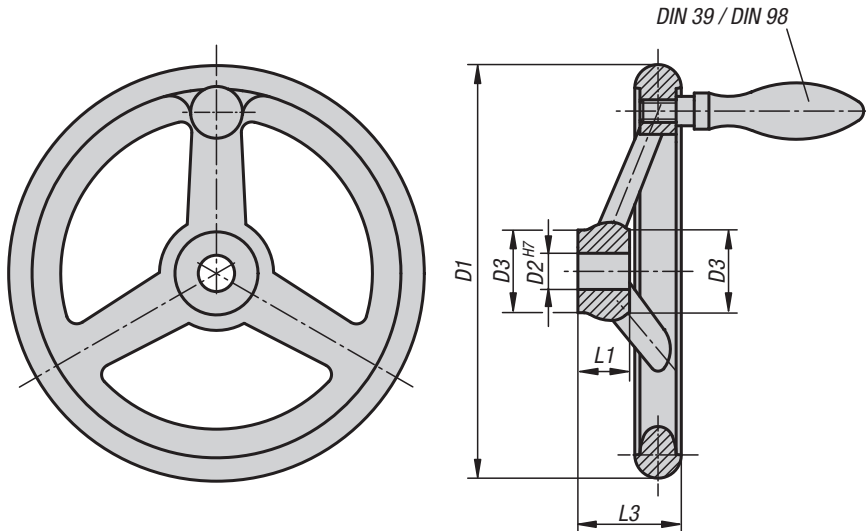
KIPP Handwheels gray cast iron DIN 950, with revolving machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	revolving machine handle DIN 98 Style E
K0671.4080X10	80	10	-	25	16	29	3	ø16 x M6 x 54.5
K0671.4080X12	80	-	12	25	16	29	3	ø16 x M6 x 54.5
K0671.4100X10	100	10	-	26	17	33	3	ø16 x M6 x 54.5
K0671.4100X12	100	-	12	26	17	33	3	ø16 x M6 x 54.5
K0671.4125X12	125	12	-	33	18	36	3	ø20 x M8 x 67
K0671.4125X14	125	-	14	33	18	36	3	ø20 x M8 x 67
K0671.4140X14	140	14	-	33	19	39	3	ø20 x M8 x 67
K0671.4140X16	140	-	16	33	19	39	3	ø20 x M8 x 67
K0671.4160X14	160	14	-	37	20	40	3	ø25 x M10 x 83
K0671.4160X16	160	-	16	37	20	40	3	ø25 x M10 x 83
K0671.4180X16	180	16	-	36	22	43	3	ø25 x M10 x 83
K0671.4180X18	180	-	18	36	22	43	3	ø25 x M10 x 83
K0671.4200X18	200	18	-	38	24	45	3	ø25 x M10 x 83
K0671.4200X22	200	-	22	38	24	45	3	ø25 x M10 x 83
K0671.4250X22	250	22	-	46	28	50	5	ø32 x M12 x 105.5
K0671.4250X26	250	-	26	46	28	50	5	ø32 x M12 x 105.5
K0671.4315X26	315	26	-	54	33	56	5	ø32 x M12 x 105.5
K0671.4315X30	315	-	30	54	33	56	5	ø32 x M12 x 105.5
K0671.4400X30	400	30	-	68	38	63	5	ø36 x M16 x 117
K0671.4400X34	400	-	34	68	38	63	5	ø36 x M16 x 117
K0671.4500X34	500	34	-	79	45	72	5	ø36 x M16 x 117
K0671.4500X40	500	-	40	79	45	72	5	ø36 x M16 x 117

Handwheels

aluminum DIN 950

INCH
Parts



Material:

Handwheel aluminum.
Fixed machine handle aluminum, axles steel, black oxide finish.
Revolving machine handle aluminum, axles steel, galvanized and blue chromate.

Type:

Wheel rim turned and polished.

Part Number Example:

K0160.0080XCN

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Handwheels aluminum DIN 950, without machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes
K0160.0080XCN	80	0,312	-	25	16	29	3
K0160.0080XC0	80	-	0,375	25	16	29	3
K0160.0100XC0	100	0,375	-	29	17	33	3
K0160.0100XCP	100	-	.500	29	17	33	3
K0160.0125XC0	125	0,375	-	31	18	36	3
K0160.0125XCP	125	-	0,5	31	18	36	3
K0160.0140XCP	140	0,5	-	36	19	39	3
K0160.0140XCQ	140	-	0,625	36	19	39	3
K0160.0160XCP	160	0,5	-	36	20	40	3
K0160.0160XCQ	160	-	0,625	36	20	40	3
K0160.0180XCP	180	0,5	-	37	22	43	3
K0160.0180XCQ	180	-	0,625	37	22	43	3
K0160.0200XCQ	200	0,625	.625	43	24	45	3
K0160.0200XCR	200	-	0,75	43	24	45	3
K0160.0250XCR	250	0,75	-	49	28	50	5
K0160.0250XCV	250	-	0,875	49	28	50	5
K0160.0315XCV	315	0,875	-	54	33	56	5
K0160.0315XCS	315	-	1	54	33	56	5
K0160.0400XCS	400	1	-	65	38	63	5
K0160.0500XCS	500	1	-	79	45	72	5

Handwheels

aluminum DIN 950



KIPP Handwheels aluminum DIN 950, with fixed machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	fixed grip DIN 39 Style E
K0160.2080XCN	80	0,312	-	25	16	29	3	ø16 x M6 x 50
K0160.2080XCO	80	-	0,375	25	16	29	3	ø16 x M6 x 50
K0160.2100XCO	100	0,375	-	29	17	33	3	ø16 x M6 x 50
K0160.2100XCP	100	-	0,5	29	17	33	3	ø16 x M6 x 50
K0160.2125XCO	125	0,375	-	31	18	36	3	ø20 x M8 x 64
K0160.2125XCP	125	-	0,5	31	18	36	3	ø20 x M8 x 64
K0160.2140XCP	140	0,5	-	36	19	39	3	ø20 x M8 x 64
K0160.2140XCQ	140	-	0,625	36	19	39	3	ø20 x M8 x 64
K0160.2160XCP	160	0,5	-	36	20	40	3	ø25 x M10 x 80
K0160.2160XCQ	160	-	0,625	36	20	40	3	ø25 x M10 x 80
K0160.2180XCP	180	0,5	-	37	22	43	3	ø25 x M10 x 80
K0160.2180XCQ	180	-	0,625	37	22	43	3	ø25 x M10 x 80
K0160.2200XCQ	200	0,625	-	43	24	45	3	ø25 x M10 x 80
K0160.2200XCR	200	-	0,75	43	24	45	3	ø25 x M10 x 80
K0160.2250XCR	250	0,75	-	49	28	50	5	ø32 x M12 x 100
K0160.2250XCV	250	-	0,875	49	28	50	5	ø32 x M12 x 100
K0160.2315XCV	315	0,875	-	54	33	56	5	ø32 x M12 x 100
K0160.2315XCS	315	-	1	54	33	56	5	ø32 x M12 x 100
K0160.2400XCS	400	1	-	65	38	63	5	ø36 x M16 x 112
K0160.2500XCS	500	1	-	79	45	72	5	ø36 x M16 x 112

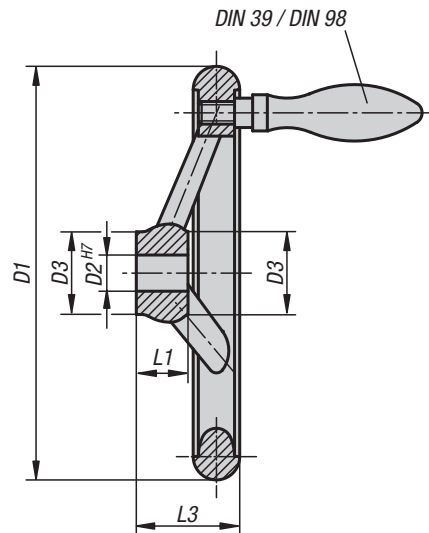
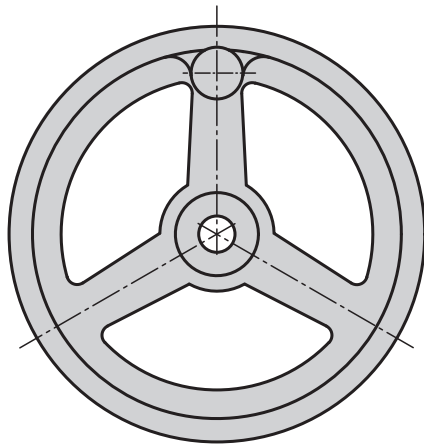
KIPP Handwheels aluminum DIN 950, with revolving machine handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	revolving machine handle DIN 98 Style E
K0160.4080XCN	80	0,312	-	25	16	29	3	ø16 x M6 x 54,5
K0160.4080XCO	80	-	0,375	25	16	29	3	ø16 x M6 x 54,5
K0160.4100XCO	100	0,375	-	29	17	33	3	ø16 x M6 x 54,5
K0160.4100XCP	100	-	0,5	29	17	33	3	ø16 x M6 x 54,5
K0160.4125XCO	125	0,375	-	31	18	36	3	ø20 x M8 x 67
K0160.4125XCP	125	-	0,5	31	18	36	3	ø20 x M8 x 67
K0160.4140XCP	140	0,5	-	36	19	39	3	ø20 x M8 x 67
K0160.4140XCQ	140	-	0,625	36	19	39	3	ø20 x M8 x 67
K0160.4160XCP	160	0,5	-	36	20	40	3	ø25 x M10 x 83
K0160.4160XCQ	160	-	0,625	36	20	40	3	ø25 x M10 x 83
K0160.4180XCP	180	0,5	-	37	22	43	3	ø25 x M10 x 83
K0160.4180XCQ	180	-	0,625	37	22	43	3	ø25 x M10 x 83
K0160.4200XCQ	200	0,625	-	43	24	45	3	ø25 x M10 x 83
K0160.4200XCR	200	-	0,75	43	24	45	3	ø25 x M10 x 83
K0160.4250XCR	250	0,75	-	49	28	50	5	ø32 x M12 x 105,5
K0160.4250XCV	250	-	0,875	49	28	50	5	ø32 x M12 x 105,5
K0160.4315XCV	315	0,875	-	54	33	56	5	ø32 x M12 x 105,5
K0160.4315XCS	315	-	1	54	33	56	5	ø32 x M12 x 105,5
K0160.4400XCS	400	1	-	65	38	63	5	ø36 x M16 x 117
K0160.4500XCS	500	1	-	79	45	72	5	ø36 x M16 x 117

Handwheels

aluminum DIN 950

METRIC
Parts



Material:

Handwheel aluminum.
Fixed machine handle aluminum, axles steel, black oxide finish.
Revolving machine handle aluminum, axles steel, galvanized and blue chromate.

Type:

Wheel rim turned and polished.

Part Number Example:

K0160.0080X10

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Handwheels aluminum DIN 950, without machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes
K0160.0080X10	80	10	-	25	16	29	3
K0160.0080X12	80	-	12	25	16	29	3
K0160.0100X10	100	10	-	29	17	33	3
K0160.0100X12	100	-	12	29	17	33	3
K0160.0125X12	125	12	-	31	18	36	3
K0160.0125X14	125	-	14	31	18	36	3
K0160.0140X14	140	14	-	36	19	39	3
K0160.0140X16	140	-	16	36	19	39	3
K0160.0160X14	160	14	-	36	20	40	3
K0160.0160X16	160	-	16	36	20	40	3
K0160.0180X16	180	16	-	37	22	43	3
K0160.0180X18	180	-	18	37	22	43	3
K0160.0200X18	200	18	-	43	24	45	3
K0160.0200X22	200	-	22	43	24	45	3
K0160.0250X22	250	22	-	49	28	50	5
K0160.0250X26	250	-	26	49	28	50	5
K0160.0315X26	315	26	-	54	33	56	5
K0160.0315X30	315	-	30	54	33	56	5
K0160.0400X30	400	30	-	65	38	63	5
K0160.0400X34	400	-	34	65	38	63	5
K0160.0500X34	500	34	-	79	45	72	5
K0160.0500X40	500	-	40	79	45	72	5

KIPP Handwheels aluminum DIN 950, with fixed machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	fixed grip DIN 39 Style E
K0160.2080X10	80	10	-	25	16	29	3	ø16 x M6 x 50
K0160.2080X12	80	-	12	25	16	29	3	ø16 x M6 x 50
K0160.2100X10	100	10	-	29	17	33	3	ø16 x M6 x 50
K0160.2100X12	100	-	12	29	17	33	3	ø16 x M6 x 50
K0160.2125X12	125	12	-	31	18	36	3	ø20 x M8 x 64
K0160.2125X14	125	-	14	31	18	36	3	ø20 x M8 x 64
K0160.2140X14	140	14	-	36	19	39	3	ø20 x M8 x 64
K0160.2140X16	140	-	16	36	19	39	3	ø20 x M8 x 64
K0160.2160X14	160	14	-	36	20	40	3	ø25 x M10 x 80
K0160.2160X16	160	-	16	36	20	40	3	ø25 x M10 x 80
K0160.2180X16	180	16	-	37	22	43	3	ø25 x M10 x 80
K0160.2180X18	180	-	18	37	22	43	3	ø25 x M10 x 80
K0160.2200X18	200	18	-	43	24	45	3	ø25 x M10 x 80
K0160.2200X22	200	-	22	43	24	45	3	ø25 x M10 x 80
K0160.2250X22	250	22	-	49	28	50	5	ø32 x M12 x 100
K0160.2250X26	250	-	26	49	28	50	5	ø32 x M12 x 100
K0160.2315X26	315	26	-	54	33	56	5	ø32 x M12 x 100
K0160.2315X30	315	-	30	54	33	56	5	ø32 x M12 x 100
K0160.2400X30	400	30	-	65	38	63	5	ø36 x M16 x 112
K0160.2400X34	400	-	34	65	38	63	5	ø36 x M16 x 112
K0160.2500X34	500	34	-	79	45	72	5	ø36 x M16 x 112
K0160.2500X40	500	-	40	79	45	72	5	ø36 x M16 x 112

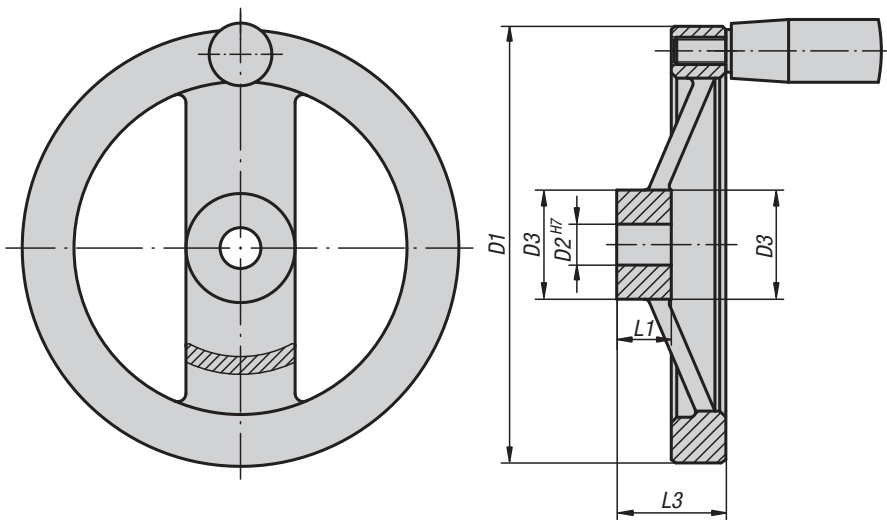
KIPP Handwheels aluminum DIN 950, with revolving machine handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Number of spokes	revolving machine handle DIN 98 Style E
K0160.4080X10	80	10	-	25	16	29	3	ø16 x M6 x 54.5
K0160.4080X12	80	-	12	25	16	29	3	ø16 x M6 x 54.5
K0160.4100X10	100	10	-	29	17	33	3	ø16 x M6 x 54.5
K0160.4100X12	100	-	12	29	17	33	3	ø16 x M6 x 54.5
K0160.4125X12	125	12	-	31	18	36	3	ø20 x M8 x 67
K0160.4125X14	125	-	14	31	18	36	3	ø20 x M8 x 67
K0160.4140X14	140	14	-	36	19	39	3	ø20 x M8 x 67
K0160.4140X16	140	-	16	36	19	39	3	ø20 x M8 x 67
K0160.4160X14	160	14	-	36	20	40	3	ø25 x M10 x 83
K0160.4160X16	160	-	16	36	20	40	3	ø25 x M10 x 83
K0160.4180X16	180	16	-	37	22	43	3	ø25 x M10 x 83
K0160.4180X18	180	-	18	37	22	43	3	ø25 x M10 x 83
K0160.4200X18	200	18	-	43	24	45	3	ø25 x M10 x 83
K0160.4200X22	200	-	22	43	24	45	3	ø25 x M10 x 83
K0160.4250X22	250	22	-	49	28	50	5	ø32 x M12 x 105,5
K0160.4250X26	250	-	26	49	28	50	5	ø32 x M12 x 105,5
K0160.4315X26	315	26	-	54	33	56	5	ø32 x M12 x 105,5
K0160.4315X30	315	-	30	54	33	56	5	ø32 x M12 x 105,5
K0160.4400X30	400	30	-	65	38	63	5	ø36 x M16 x 117
K0160.4400X34	400	-	34	65	38	63	5	ø36 x M16 x 117
K0160.4500X34	500	34	-	79	45	72	5	ø36 x M16 x 117
K0160.4500X40	500	-	40	79	45	72	5	ø36 x M16 x 117

Two-Spoke Handwheels

aluminum planed

INCH
Parts



Material:

Handwheels aluminum;
cylindrical grip black Duroplast PF 31-DIN 7708.
Hub galvanized steel.

Type:

Wheel rim turned and polished.

Part Number Example:

K0162.0080XCN

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Two-Spoke Handwheels aluminum, planed, without handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0162.0080XCN	80	0,312	-	24	16	28
K0162.0080XCO	80	-	0,375	24	16	28
K0162.0100XCO	100	0,375	-	26	17	33
K0162.0100XCP	100	-	0,5	26	17	33
K0162.0125XCO	125	0,375	-	31	18	33,5
K0162.0125XCP	125	-	0,5	31	18	33,5
K0162.0160XCP	160	0,5	-	36	20	39
K0162.0160XCQ	160	-	0,625	36	20	39
K0162.0200XCQ	200	0,625	-	42	24	45
K0162.0200XCR	200	-	0,75	42	24	45
K0162.0250XCR	250	0,75	-	48	28	51
K0162.0250XCV	250	-	0,875	48	28	51

Two-Spoke Handwheels

aluminum planed



KIPP Two-Spoke Handwheels aluminum, planed, with fixed handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Fixed cylinder grip
K0162.2080XCN	80	0,312	-	24	16	28	ø18 x M6 x 40
K0162.2080XCO	80	-	0,375	24	16	28	ø18 x M6 x 40
K0162.2100XCO	100	0,375	-	26	17	33	ø18 x M6 x 40
K0162.2100XCP	100	-	0,5	26	17	33	ø18 x M6 x 40
K0162.2125XCO	125	0,375	-	31	18	33,5	ø21 x M8 x 50
K0162.2125XCP	125	-	0,5	31	18	33,5	ø21 x M8 x 50
K0162.2160XCP	160	0,5	-	36	20	39	ø26 x M10 x 80
K0162.2160XCQ	160	-	0,625	36	20	39	ø26 x M10 x 80
K0162.2200XCQ	200	0,625	-	42	24	45	ø26 x M10 x 80
K0162.2200XCR	200	-	0,75	42	24	45	ø26 x M10 x 80
K0162.2250XCR	250	0,75	-	48	28	51	ø28 x M12 x 90
K0162.2250XCV	250	-	0,875	48	28	51	ø28 x M12 x 90

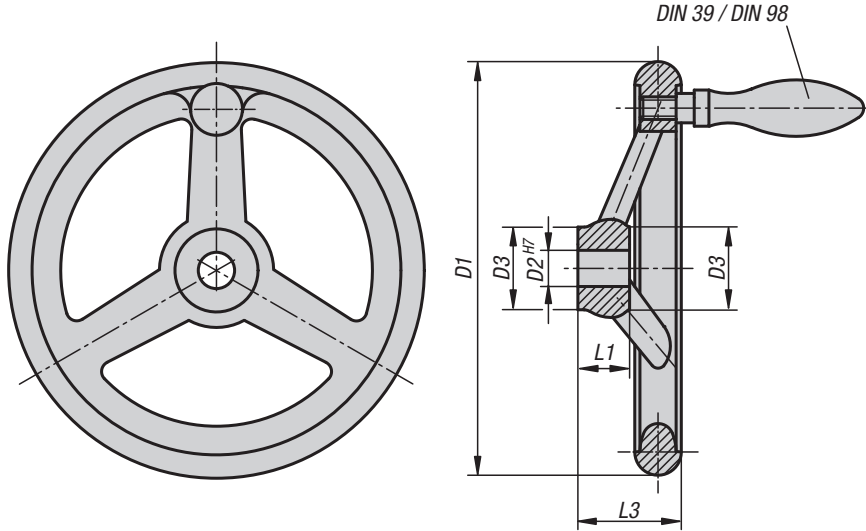
KIPP Two-Spoke Handwheels aluminum, planed, with revolving handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Revolving cylinder grip
K0162.4080XCN	80	0,312	-	24	16	28	ø18 x M6 x 40
K0162.4080XCO	80	-	0,375	24	16	28	ø18 x M6 x 40
K0162.4100XCO	100	0,375	-	26	17	33	ø18 x M6 x 40
K0162.4100XCP	100	-	0,5	26	17	33	ø18 x M6 x 40
K0162.4125XCO	125	0,375	-	31	18	33,5	ø22 x M8 x 56
K0162.4125XCP	125	-	0,5	31	18	33,5	ø22 x M8 x 56
K0162.4160XCP	160	0,5	-	36	20	39	ø26 x M10 x 80
K0162.4160XCQ	160	-	0,625	36	20	39	ø26 x M10 x 80
K0162.4200XCQ	200	0,625	-	42	24	45	ø26 x M10 x 80
K0162.4200XCR	200	-	0,75	42	24	45	ø26 x M10 x 80
K0162.4250XCR	250	0,75	-	48	28	51	ø31 x M12 x 102
K0162.4250XCV	250	-	0,875	48	28	51	ø31 x M12 x 102

Two-Spoke Handwheels

aluminum planed

METRIC
Parts



Material:

Handwheels aluminum;
cylindrical grip black Duroplast PF 31-DIN 7708.
Hub galvanized steel.

Type:

Wheel rim turned and polished.

Part Number Example:

K0162.0080X10

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Two-Spoke Handwheels aluminum, planed, without handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0162.0080X10	80	10	-	24	16	28
K0162.0080X12	80	-	12	24	16	28
K0162.0100X10	100	10	-	26	17	33
K0162.0100X12	100	-	12	26	17	33
K0162.0125X12	125	12	-	31	18	33,5
K0162.0125X14	125	-	14	31	18	33,5
K0162.0160X14	160	14	-	36	20	39
K0162.0160X16	160	-	16	36	20	39
K0162.0200X18	200	18	-	42	24	45
K0162.0200X20	200	-	20	42	24	45
K0162.0250X22	250	22	-	48	28	51
K0162.0250X26	250	-	26	48	28	51

Two-Spoke Handwheels

aluminum planed



KIPP Two-Spoke Handwheels aluminum, planed, with fixed handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Fixed cylinder grip
K0162.2080X10	80	10	-	24	16	28	ø18 x M6 x 40
K0162.2080X12	80	-	12	24	16	28	ø18 x M6 x 40
K0162.2100X10	100	10	-	26	17	33	ø18 x M6 x 40
K0162.2100X12	100	-	12	26	17	33	ø18 x M6 x 40
K0162.2125X12	125	12	-	31	18	33,5	ø21 x M8 x 50
K0162.2125X14	125	-	14	31	18	33,5	ø21 x M8 x 50
K0162.2160X14	160	14	-	36	20	39	ø26 x M10 x 80
K0162.2160X16	160	-	16	36	20	39	ø26 x M10 x 80
K0162.2200X18	200	18	-	42	24	45	ø26 x M10 x 80
K0162.2200X20	200	-	20	42	24	45	ø26 x M10 x 80
K0162.2250X22	250	22	-	48	28	51	ø28 x M12 x 90
K0162.2250X26	250	-	26	48	28	51	ø28 x M12 x 90

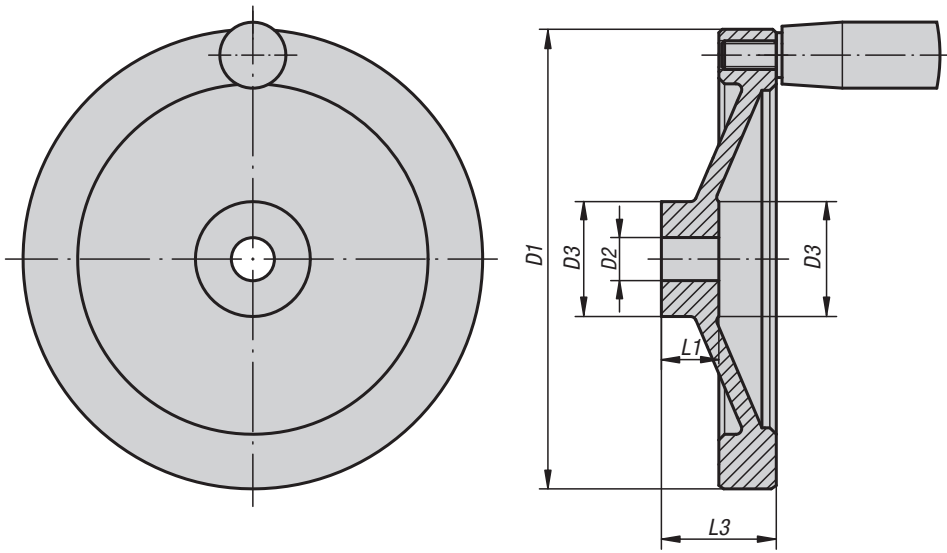
KIPP Two-Spoke Handwheels aluminum, planed, with revolving handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Revolving cylinder grip
K0162.4080X10	80	10	-	24	16	28	ø18 x M6 x 40
K0162.4080X12	80	-	12	24	16	28	ø18 x M6 x 40
K0162.4100X10	100	10	-	26	17	33	ø18 x M6 x 40
K0162.4100X12	100	-	12	26	17	33	ø18 x M6 x 40
K0162.4125X12	125	12	-	31	18	33,5	ø22 x M8 x 56
K0162.4125X14	125	-	14	31	18	33,5	ø22 x M8 x 56
K0162.4160X14	160	14	-	36	20	39	ø26 x M10 x 80
K0162.4160X16	160	-	16	36	20	39	ø26 x M10 x 80
K0162.4200X18	200	18	-	42	24	45	ø26 x M10 x 80
K0162.4200X20	200	-	20	42	24	45	ø26 x M10 x 80
K0162.4250X22	250	22	-	48	28	51	ø31 x M12 x 102
K0162.4250X26	250	-	26	48	28	51	ø31 x M12 x 102

Disc Handwheels

aluminum planed

INCH
Parts



Material:

Disc handwheel in aluminum;
taper grip handle in black duroplastic
PF 31-DIN 7708, center part in galvanized
steel

Type:

Wheel rim turned and polished.

Part Number Example:

K0161.0080XCN

On request:

Square hole broached hubs or powder-coated
handwheels.

KIPP Disc Handwheels aluminum, planed, without handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0161.0080XCN	80	0,312	-	26	16	31
K0161.0080XCO	80	-	0,375	26	16	31
K0161.0100XCO	100	0,375	-	31	17	34
K0161.0100XCP	100	-	0,5	31	17	34
K0161.0125XCO	125	0,375	-	30	18	37
K0161.0125XCP	125	-	0,5	30	18	37
K0161.0140XCP	140	0,5	-	34	19	34
K0161.0140XCQ	140	-	0,625	34	19	34
K0161.0160XCP	160	0,5	-	40	20	40
K0161.0160XCQ	160	-	0,625	40	20	40
K0161.0200XCQ	200	0,625	-	50	24	46
K0161.0200XCR	200	-	0,75	50	24	46
K0161.0250XCR	250	0,75	-	50	28	49
K0161.0250XCV	250	-	0,875	50	28	49

Disc Handwheels

aluminum planed



KIPP Disc Handwheels aluminum, planed, with fixed handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Fixed cylinder grip
K0161.2080XCN	80	0,312	-	26	16	31	ø18 x M6 x 40
K0161.2080XCO	80	-	0,375	26	16	31	ø18 x M6 x 40
K0161.2100XCO	100	0,375	-	31	17	34	ø18 x M6 x 40
K0161.2100XCP	100	-	0,5	31	17	34	ø18 x M6 x 40
K0161.2125XCO	125	0,375	-	30	18	37	ø21 x M8 x 50
K0161.2125XCP	125	-	0,5	30	18	37	ø21 x M8 x 50
K0161.2140XCP	140	0,5	-	34	19	34	ø21 x M8 x 50
K0161.2140XCQ	140	-	0,625	34	19	34	ø21 x M8 x 50
K0161.2160XCP	160	0,5	-	40	20	40	ø26 x M10 x 80
K0161.2160XCQ	160	-	0,625	40	20	40	ø26 x M10 x 80
K0161.2200XCQ	200	0,625	-	50	24	46	ø26 x M10 x 80
K0161.2200XCR	200	-	0,75	50	24	46	ø26 x M10 x 80
K0161.2250XCR	250	0,75	-	50	28	49	ø28 x M12 x 90
K0161.2250XCV	250	-	0,875	50	28	49	ø28 x M12 x 90

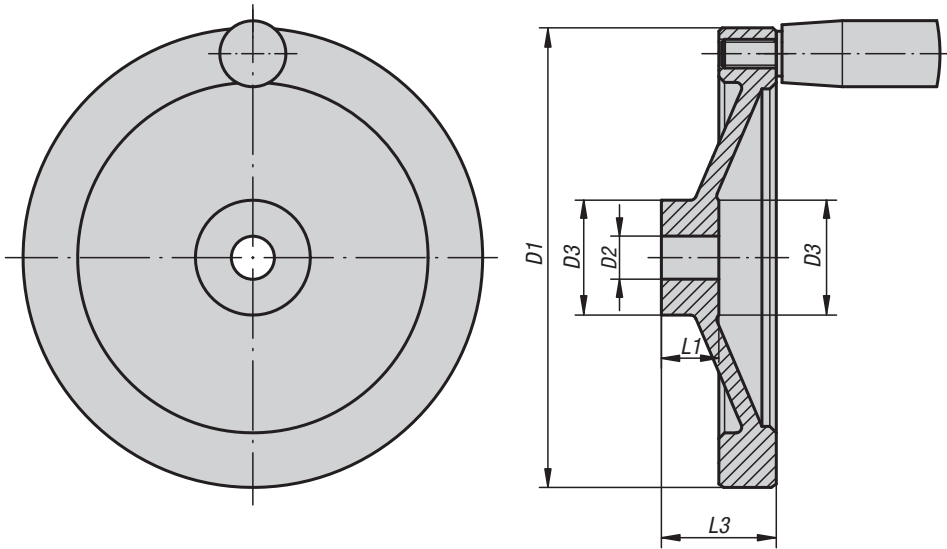
KIPP Disc Handwheels aluminum, planed, with revolving handle, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Revolving cylinder grip
K0161.4080XCN	80	0,312	-	26	16	31	ø18 x M6 x 40
K0161.4080XCO	80	-	0,375	26	16	31	ø18 x M6 x 40
K0161.4100XCO	100	0,375	-	31	17	34	ø18 x M6 x 40
K0161.4100XCP	100	-	0,5	31	17	34	ø18 x M6 x 40
K0161.4125XCO	125	0,375	-	30	18	37	ø22 x M8 x 56
K0161.4125XCP	125	-	0,5	30	18	37	ø22 x M8 x 56
K0161.4140XCP	140	0,5	-	34	19	34	ø22 x M8 x 56
K0161.4140XCQ	140	-	0,625	34	19	34	ø22 x M8 x 56
K0161.4160XCP	160	0,5	-	40	20	40	ø26 x M10 x 80
K0161.4160XCQ	160	-	0,625	40	20	40	ø26 x M10 x 80
K0161.4200XCQ	200	0,625	-	50	24	46	ø26 x M10 x 80
K0161.4200XCR	200	-	0,75	50	24	46	ø26 x M10 x 80
K0161.4250XCR	250	0,75	-	50	28	49	ø31 x M12 x 102
K0161.4250XCV	250	-	0,875	50	28	49	ø31 x M12 x 102

Disc Handwheels

aluminum planed

METRIC
Parts



Material:

Disc handwheel in aluminum; taper grip handle in black duroplastic PF 31-DIN 7708, center part in galvanized steel

Type:

Wheel rim turned and polished.

Part Number Example:

K0161.4080X10

On request:

Square hole broached hubs or powder-coated handwheels.

KIPP Disc Handwheels aluminum, planed, without handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0161.0080X10	80	10	-	26	16	31
K0161.0080X12	80	-	12	26	16	31
K0161.0100X10	100	10	-	31	17	34
K0161.0100X12	100	-	12	31	17	34
K0161.0125X12	125	12	-	30	18	37
K0161.0125X14	125	-	14	30	18	37
K0161.0140X14	140	14	-	34	19	34
K0161.0140X15	140	-	15	34	19	34
K0161.0160X15	160	15	-	40	20	40
K0161.0160X16	160	-	16	40	20	40
K0161.0200X18	200	18	-	50	24	46
K0161.0200X20	200	-	20	50	24	46
K0161.0250X22	250	22	-	50	28	49
K0161.0250X24	250	-	24	50	28	49

Disc Handwheels

aluminum planed



KIPP Disc Handwheels aluminum, planed, with fixed handle, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Fixed cylinder grip
K0161.2080X10	80	10	-	26	16	31	ø18 x M6 x 40
K0161.2080X12	80	-	12	26	16	31	ø18 x M6 x 40
K0161.2100X10	100	10	-	31	17	34	ø18 x M6 x 40
K0161.2100X12	100	-	12	31	17	34	ø18 x M6 x 40
K0161.2125X12	125	12	-	30	18	37	ø21 x M8 x 50
K0161.2125X14	125	-	14	30	18	37	ø21 x M8 x 50
K0161.2140X14	140	14	-	34	19	34	ø21 x M8 x 50
K0161.2140X15	140	-	15	34	19	34	ø21 x M8 x 50
K0161.2160X15	160	15	-	40	20	40	ø26 x M10 x 80
K0161.2160X16	160	-	16	40	20	40	ø26 x M10 x 80
K0161.2200X18	200	18	-	50	24	46	ø26 x M10 x 80
K0161.2200X20	200	-	20	50	24	46	ø26 x M10 x 80
K0161.2250X22	250	22	-	50	28	49	ø28 x M12 x 90
K0161.2250X24	250	-	24	50	28	49	ø28 x M12 x 90

KIPP Disc Handwheels aluminum, planed, with revolving handle, metric

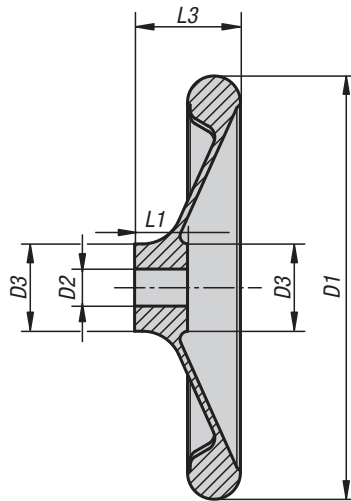
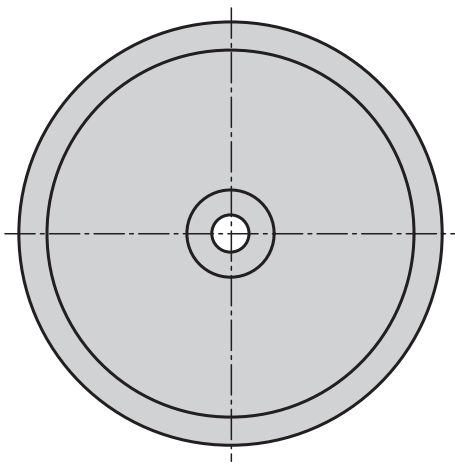
Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3	Revolving cylinder grip
K0161.4080X10	80	10	-	26	16	31	ø18 x M6 x 40
K0161.4080X12	80	-	12	26	16	31	ø18 x M6 x 40
K0161.4100X10	100	10	-	31	17	34	ø18 x M6 x 40
K0161.4100X12	100	-	12	31	17	34	ø18 x M6 x 40
K0161.4125X12	125	12	-	30	18	37	ø22 x M8 x 56
K0161.4125X14	125	-	14	30	18	37	ø22 x M8 x 56
K0161.4140X14	140	14	-	34	19	34	ø22 x M8 x 56
K0161.4140X15	140	-	15	34	19	34	ø22 x M8 x 56
K0161.4160X15	160	15	-	40	20	40	ø26 x M10 x 80
K0161.4160X16	160	-	16	40	20	40	ø26 x M10 x 80
K0161.4200X18	200	18	-	50	24	46	ø26 x M10 x 80
K0161.4200X20	200	-	20	50	24	46	ø26 x M10 x 80
K0161.4250X22	250	22	-	50	28	49	ø31 x M12 x 102
K0161.4250X24	250	-	24	50	28	49	ø31 x M12 x 102

Disc Handwheels

aluminum similar to DIN 950

INCH
Parts

METRIC
Parts



Material:
Handwheel aluminum

Type:
Wheel rim turned and polished

Part Number Example:
K0163.0080XCN

On request:
Square hole broached hubs or powder-coated handwheels.

Disc Handwheels

aluminum similar to DIN 950



KIPP Disc Handwheels aluminum, similar to DIN 950, inch

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0163.0080XCN	80	0,312	-	25	16	30
K0163.0080XCO	80	-	0,375	25	16	30
K0163.0100XCO	100	0,375	-	28	17	31
K0163.0100XCP	100	-	0,5	28	17	31
K0163.0120XCO	120	0,375	-	27	18	30
K0163.0120XCP	120	-	0,5	27	18	30
K0163.0160XCP	160	0,5	-	34	20	40
K0163.0160XCQ	160	-	0,625	34	20	40
K0163.0200XCQ	200	0,625	-	40	24	44
K0163.0200XCR	200	-	0,75	40	24	44
K0163.0250XCR	250	0,75	-	49	28	61
K0163.0250XCV	250	-	0,875	49	28	61
K0163.0280XCR	280	0,75	-	51	30	38
K0163.0280XCV	280	-	0,875	51	30	38
K0163.0360XCV	360	0,875	-	63	35	73
K0163.0360XCS	360	-	1	63	35	73

KIPP Disc Handwheels aluminum, similar to DIN 950, metric

Item No.	D1	D2 series 1	D2 series 2	D3	L1	L3
K0163.0080X10	80	10	-	25	16	30
K0163.0080X12	80	-	12	25	16	30
K0163.0100X10	100	10	-	28	17	31
K0163.0100X12	100	-	12	28	17	31
K0163.0120X12	120	12	-	27	18	30
K0163.0120X14	120	-	14	27	18	30
K0163.0160X14	160	14	-	34	20	40
K0163.0160X16	160	-	16	34	20	40
K0163.0200X18	200	18	-	40	24	44
K0163.0200X22	200	-	22	40	24	44
K0163.0250X22	250	22	-	49	28	61
K0163.0250X26	250	-	26	49	28	61
K0163.0280X24	280	24	-	51	30	38
K0163.0280X28	280	-	28	51	30	38
K0163.0360X28	360	28	-	63	35	73
K0163.0360X32	360	-	32	63	35	73

Disc Handwheels

duroplastic with revolving taper grip



INCH Parts METRIC Parts



Material:
 Duroplast PF 31, black.
 Hubs nickel-plated steel or
 bright stainless steel 1.4305.
 Revolving grip, steel parts nickel-plated or
 stainless steel 1.4305, natural finish.

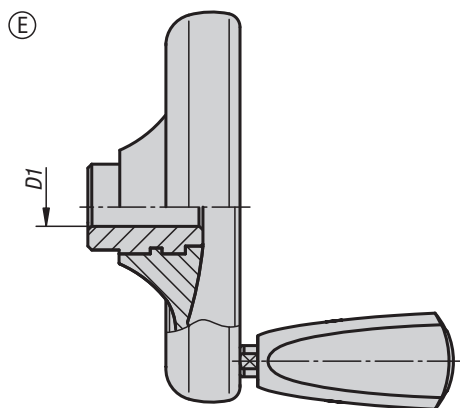
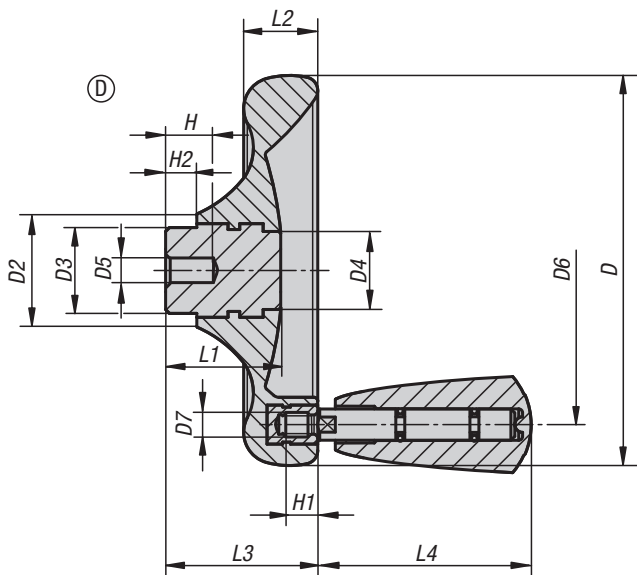
Type:
 High-polish finish.

Part Number Example:
 K0164.1100XCM

Note:
 The handwheel is supplied with the grip unassembled.

On request:
 Other reamed holes.

Drawing reference:
 Style D: pilot hole
 Style E: thru bore hole



Disc Handwheels

duroplastic with revolving taper grip



KIPP Disc Handwheels, with revolving taper grip, inch

Item No.	Style	Size	D	D1	D2	D3	D4	D6	D7	H1	H2	L1	L2	L3	L4
K0164.1100XCM	E	1	100	0,25	29	22	20	79	M6	9	8	29,5	19	39	54,7
K0164.1125XCO	E	2	125	0,375	34	26	21	101	M6	9	8	34	24	46	54,7
K0164.1140XCP	E	3	140	0,5	39	30	25	110	M8	12	8	38,5	27	52	82,2
K0164.1160XCQ	E	4	160	0,625	43	33	30	128	M8	12	8	41,3	30,1	57	82,2
K0164.1160XCR	E	4	160	0,75	43	33	30	128	M8	12	8	41,3	30,1	57	82,2

KIPP Disc Handwheels, with revolving taper grip, steel parts in stainless steel, inch

Item No.	Style	Size	D	D1	D2	D3	D4	D6	D7	H1	H2	L1	L2	L3	L4
K0164.3100XCM	E	1	100	0,25	29	22	20	79	M6	9	8	29,5	19	39	54,7
K0164.3125XCO	E	2	125	0,375	34	26	21	101	M6	9	8	34	24	46	54,7
K0164.3140XCP	E	3	140	0,5	39	30	25	110	M8	12	8	38,5	27	52	82,2
K0164.3160XCQ	E	4	160	0,625	43	33	30	128	M8	12	8	41,3	30,1	57	82,2
K0164.3160XCR	E	4	160	0,75	43	33	30	128	M8	12	8	41,3	30,1	57	82,2

KIPP Disc Handwheels, with revolving taper grip, metric

Item No. Style D	Item No. Style E	Size	D	D1	D2	D3	D4	D5	D6	D7	H	H1	H2	L1	L2	L3	L4
K0164.0100X06	K0164.1100X10	1	100	-/10 H8	29	22	20	6/-	79	M6	12/-	9	8	29,5	19	39	54,7
K0164.0125X08	K0164.1125X12	2	125	-/12 H8	34	26	21	8/-	101	M6	15/-	9	8	34	24	46	54,7
K0164.0140X08	K0164.1140X14	3	140	-/14 H8	39	30	25	8/-	110	M8	16/-	12	8	38,5	27	52	82,2
K0164.0160X10	K0164.1160X16	4	160	-/16 H8	43	33	30	10/-	128	M8	20/-	12	8	41,3	30,1	57	82,2
-	K0164.1160X18	4	160	18 H8	43	33	30	-	128	M8	-	12	8	41,3	30,1	57	82,2

KIPP Disc Handwheels, with revolving taper grip, steel parts in stainless steel, metric

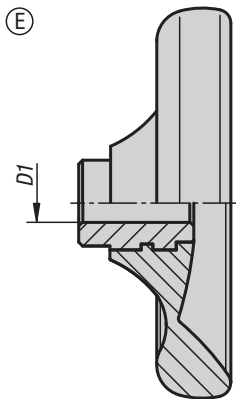
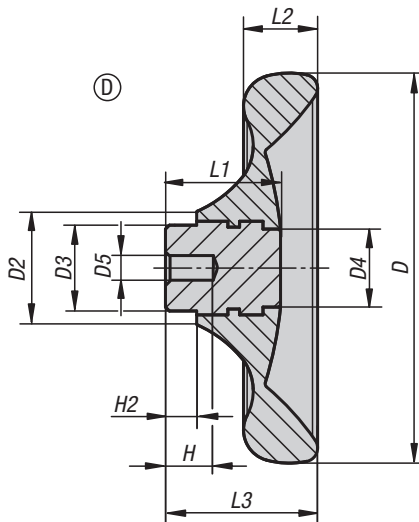
Item No. Style D	Item No. Style E	Size	D	D1	D2	D3	D4	D5	D6	D7	H	H1	H2	L1	L2	L3	L4
K0164.2100X06	K0164.3100X10	1	100	-/10 H7	29	22	20	6/-	79	M6	12/-	9	8	29,5	19	39	54,7
K0164.2125X08	K0164.3125X12	2	125	-/12 H7	34	26	21	8/-	101	M6	15/-	9	8	34	24	46	54,7
K0164.2140X08	K0164.3140X14	3	140	-/14 H7	39	30	25	8/-	110	M8	16/-	12	8	38,5	27	52	82,2
K0164.2160X10	K0164.3160X16	4	160	-/16 H7	43	33	30	10/-	128	M8	20/-	12	8	41,3	30,1	57	82,2
-	K0164.3160X18	4	160	18 H7	43	33	30	-	128	M8	-	12	8	41,3	30,1	57	82,2

Disc Handwheels

duroplastic without taper grip

INCH
Parts

METRIC
Parts



Material:

Black Duroplast PF 31.

Hub nickel-plated steel or stainless steel 1.4305 natural finish.

Type:

High-polish finish.

Part Number Example:

K0165.1100XCM

On request:

Other reamed holes.

Drawing reference:

Style D: pilot hole

Style E: thru bore hole

Disc Handwheels

duroplastic without taper grip



KIPP Disc Handwheels without taper grip, bushing in steel, inch

Item No.	Style	Size	D	D1	D2	D3	D4	H2	L1	L2	L3
K0165.1100XCM	E	1	100	0,25	29	22	20	8	29,5	19	39
K0165.1125XCO	E	2	125	0,375	34	26	21	8	34	24	46
K0165.1140XCP	E	3	140	0,5	39	30	25	8	38,5	27	52
K0165.1160XCQ	E	4	160	0,625	43	33	30	8	41,3	30,1	57
K0165.1160XCR	E	4	160	0,75	43	33	30	8	41,3	30,1	57

KIPP Disc Handwheels without taper grip, bushing in stainless steel, inch

Item No.	Style	Size	D	D1	D2	D3	D4	H2	L1	L2	L3
K0165.3100XCM	E	1	100	0,25	29	22	20	8	29,5	19	39
K0165.3125XCO	E	2	125	0,375	34	26	21	8	34	24	46
K0165.3140XCP	E	3	140	0,5	39	30	25	8	38,5	27	52
K0165.3160XCQ	E	4	160	0,625	43	33	30	8	41,3	30,1	57
K0165.3160XCR	E	4	160	0,75	43	33	30	8	41,3	30,1	57

KIPP Disc Handwheels without taper grip, bushing in steel, metric

Item No. Style D	Item No. Style E	Size	D	D1	D2	D3	D4	D5	H	H2	L1	L2	L3
K0165.0100X06	K0165.1100X10	1	100	-/10 H8	29	22	20	6/-	12/-	8	29,5	19	39
K0165.0125X08	K0165.1125X12	2	125	-/12 H8	34	26	21	8/-	15/-	8	34	24	46
K0165.0140X08	K0165.1140X14	3	140	-/14 H8	39	30	25	8/-	16/-	8	38,5	27	52
K0165.0160X10	K0165.1160X16	4	160	-/16 H8	43	33	30	10/-	20/-	8	41,3	30,1	57
-	K0165.1160X18	4	160	18 H8	43	33	30	-	-	8	41,3	30,1	57

KIPP Disc Handwheels without taper grip, bushing in stainless steel, metric

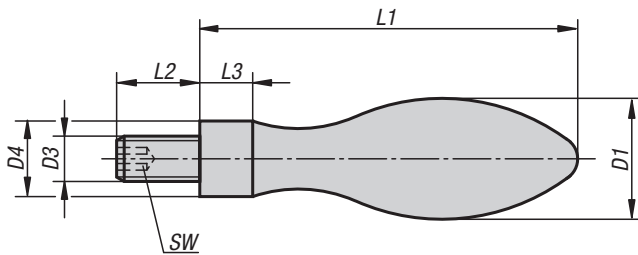
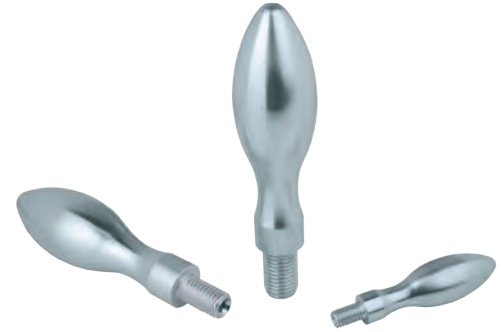
Item No. Style D	Item No. Style E	Size	D	D1	D2	D3	D4	D5	H	H2	L1	L2	L3
K0165.2100X06	K0165.3100X10	1	100	-/10 H7	29	22	20	6/-	12/-	8	29,5	19	39
K0165.2125X08	K0165.3125X12	2	125	-/12 H7	34	26	21	8/-	15/-	8	34	24	46
K0165.2140X08	K0165.3140X14	3	140	-/14 H7	39	30	25	8/-	16/-	8	38,5	27	52
K0165.2160X10	K0165.3160X16	4	160	-/16 H7	43	33	30	10/-	20/-	8	41,3	30,1	57
-	K0165.3160X18	4	160	18 H7	43	33	30	-	-	8	41,3	30,1	57

Machine and Handwheel Handles

fixed DIN 39 Style E, in steel



METRIC
Parts



Material:

Handle and threaded stud in steel

Type:

Handle and threaded stud galvanized and blue chromate.

Part Number Example:

K0166.0616050

Note:

Machine Handle suitable for Handwheels DIN 950 and similar.

KIPP Machine and Handwheel Handles, fixed, DIN 39 style E, in steel, metric

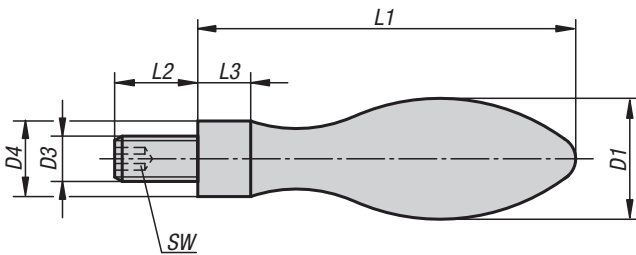
Item No.	D1	D3	D4	L1	L2	L3	SW
K0166.0616050	16	M6	10	50	11	7	3
K0166.0820064	20	M8	13	64	13	8	4
K0166.1025080	25	M10	16	80	14	10	5
K0166.1232100	32	M12	20	100	21	13	6
K0166.1636112	36	M16	22	112	26	14	8

Machine and Handwheel Handles

fixed DIN 39 Style E, in aluminum



METRIC
Parts



Material:

Handle in aluminum, threaded stud in steel

Type:

Handle polished, threaded stud black

Part Number Example:

K0167.0616050

Note:

Machine Handle suitable for Handwheels DIN 950 and similar.

KIPP Machine and Handwheel Handles, fixed, DIN 39 style E, in aluminum, metric

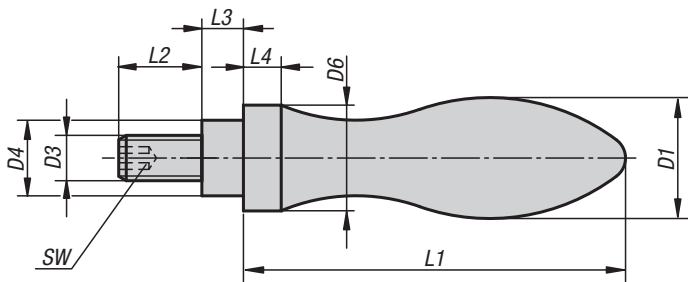
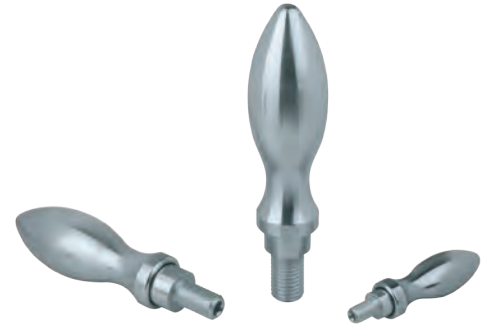
Item No.	D1	D3	D4	L1	L2	L3	SW
K0167.0616050	16	M6	10	50	11	7	3
K0167.0820064	20	M8	13	64	13	8	4
K0167.1025080	25	M10	16	80	14	10	5
K0167.1232100	32	M12	20	100	21	13	6
K0167.1636112	36	M16	22	112	26	14	8

Machine and Handwheel Handles

revolving, similar to DIN 98 Style E, in steel



METRIC
Parts



Material:

Handle and threaded stud in steel

Type:

Handle and threaded stud galvanized and blue chromate.

Part Number Example:

K0168.0616055

Note:

Machine handles with D1=25 mm and 32 mm have a thread length L2 that is shorter than the length specified in DIN 98. Machine handles are suitable for DIN 950 handwheels.

KIPP Machine and Handwheel Handles, revolving, similar to DIN 98 style E, in steel, metric

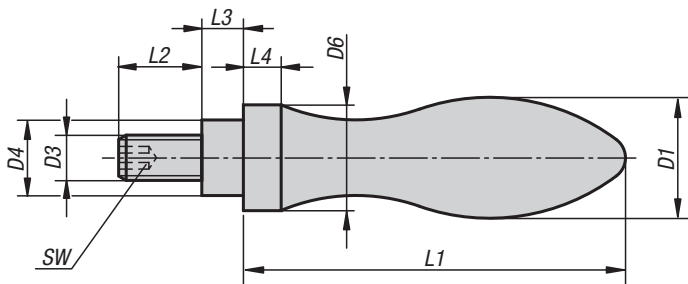
Item No.	D1	D3	D4	D6	L1	L2	L3	L4	SW
K0168.0616055	16	M6	10	14	49	11	5,5	5	3
K0168.0820067	20	M8	13	18	61	13	6	6	4
K0168.1025083	25	M10	16	21	75	13	8	6,5	5
K0168.1232105	32	M12	20	26	95	16	10,5	8	6
K0168.1636117	36	M16	22	29	106	26	11	9	8

Machine and Handwheel Handles

revolving DIN 98 Style E, in aluminum



METRIC
Parts



Material:

Handle in aluminum, threaded stud in steel

Type:

Handle polished, threaded stud galvanized and blue chromate.

Part Number Example:

K0169.0616055

Note:

Machine Handle suitable for Handwheels DIN 950 and similar.

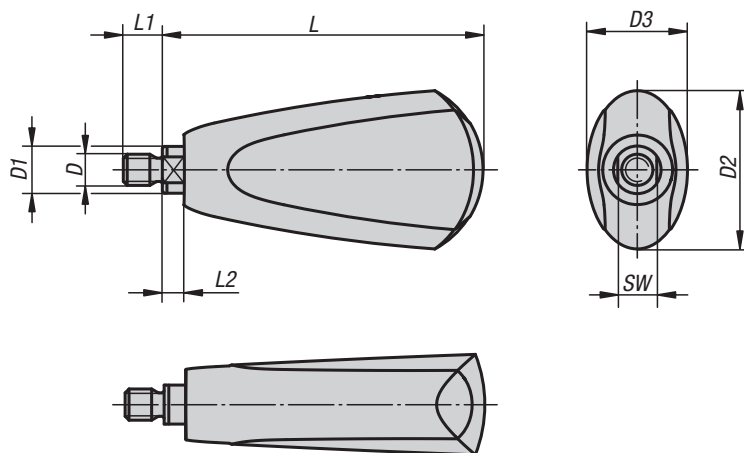
KIPP Machine and Handwheel Handles, revolving, DIN 98 style E, in aluminum, metric

Item No.	D1	D3	D4	D6	L1	L2	L3	L4	SW
K0169.0616055	16	M6	10	14	49	11	5,5	5	3
K0169.0820067	20	M8	13	18	61	13	6	6	4
K0169.1025083	25	M10	16	21	75	14	8	6,5	5
K0169.1232105	32	M12	20	26	95	21	10,5	8	6
K0169.1636117	36	M16	22	29	106	26	11	9	8

Machine and Handwheel Handles

Revolving Taper Grips

INCH Parts METRIC Parts



Material:

Black duroplastic PF 31; axle steel, nickel-plated or stainless steel 1.4305, natural finish; snap ring in stainless steel 1.4310

Type:

High-polish finish.

Part Number Example:

K0651.1A2009

Note:

The grips are suitable for Disc Handwheels with revolving taper grip K0164.

KIPP Machine and Handwheel Handles, Revolving Taper Grips, inch

Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	L	L1	L2	SW
K0651.1A2009	K0651.11A2009	1	1/4-20	8	25	18	54,7	9	4,5	7
K0651.2A3010	K0651.12A3010	2	5/16-18	12	41	26	82,2	10	5,5	10

KIPP Machine and Handwheel Handles, Revolving Taper Grips, metric

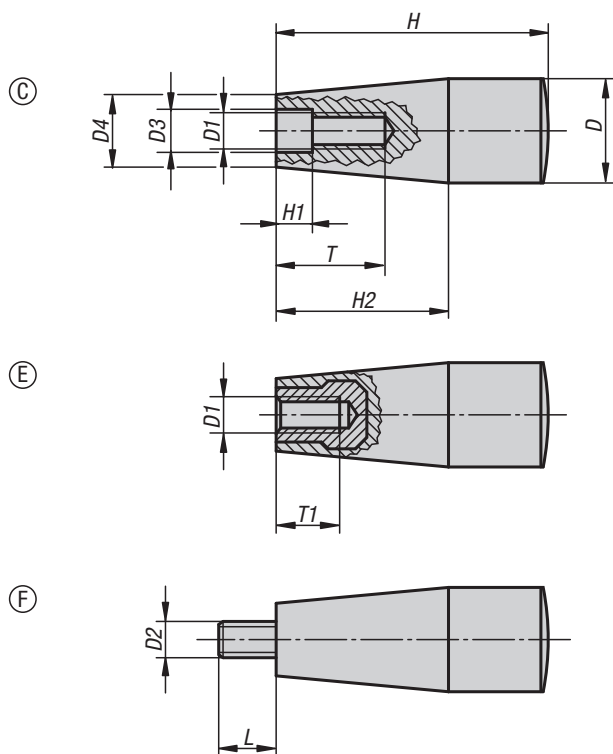
Item No. Steel	Item No. Stainless steel	Size	D	D1	D2	D3	L	L1	L2	SW
K0651.106009	K0651.1106009	1	M6	8	25	18	54,7	9	4,5	7
K0651.208010	K0651.1208010	2	M8	12	41	26	82,2	10	5,5	10

Machine and Handwheel Handles

Taper Grip Handle fixed



METRIC
Parts



Material:

Black duroplastic PF 31, threaded bolt or bushing in galvanized steel, style E bushing in copper-plated steel or brass

Type:

High-polish finish.

Part Number Example:

K0172.106

Note:

The versions K0172.205 and K0172.206 have a brass bushing.

The versions K0172.208 and K0172.2081 have a copper-plated steel bushing.

On request:

Other colors.

Drawing reference:

Style C: molded thread

Style E: threaded bushing

Style F: external thread

KIPP Taper Grip Handles with internal thread, metric

Item No.	Style	D	D1	D3	D4	H	H1	H2	T	T1
K0172.106	C	17	M6	6,2	15	45	2	26	14	-
K0172.108	C	17	M8	8,2	13	45	2	26	16	-
K0172.1081	C	23	M8	8,5	18	61	2	38	24	-
K0172.110	C	29	M10	10,5	21	71	3,5	42	28	-
K0172.205	E	17	M5	-	15	45	-	26	-	10
K0172.206	E	17	M6	-	15	45	-	26	-	9
K0172.208	E	23	M8	-	18	61	-	38	-	14
K0172.2081	E	28	M8	-	21	71	-	42	-	14

KIPP Taper Grip Handles with external thread, metric

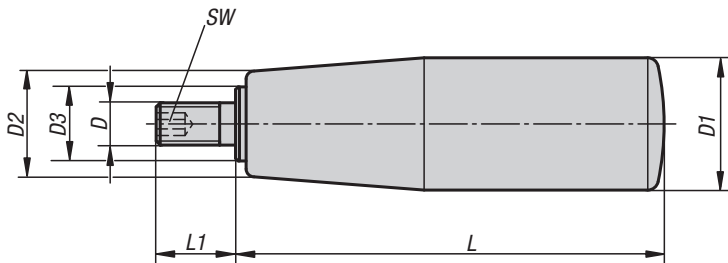
Item No.	Style	D	D2	D4	H	H2	L
K0172.306	F	17	M6	15	45	26	18
K0172.308	F	23	M8	18	61	38	12
K0172.310	F	29	M10	21	71	42	20

Cylindrical grips revolving

with hexagon socket



METRIC
Parts



Material:

Grip thermoplastic.
Steel parts galvanized.

Type:

Black satin finished.

Part Number Example:

K0740.08230620

Note:

Cylindrical grips can be screwed onto our handwheels, crank handles etc.

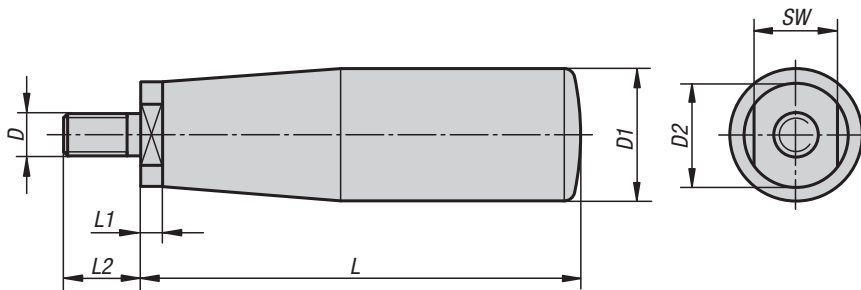
KIPP Cylindrical grips revolving with hexagon socket, metric

Item No.	D	D1	D2	D3	L	L1	SW
K0740.06200520	M6	20	15	10	51	12	3
K0740.06230620	M6	23	18	10	62	12	3
K0740.08230620	M8	23	18	10	62	15	4
K0740.08250720	M8	25	19	10	71	15	4
K0740.08250810	M8	26	22	14	81	15	4
K0740.10250720	M10	25	19	10	71	15	4
K0740.10250810	M10	26	22	14	81	15	5
K0740.10270930	M10	27	22	14	92	15	5
K0740.12260820	M12	26	22	14	81	15	5
K0740.12270930	M12	27	22	14	92	15	5

Cylindrical grips revolving



METRIC
Parts



Material:
Grip thermoplastic.
Steel parts galvanized.

Type:
Black satin finished.

Part Number Example:
K0774.08230600

Note:
Cylindrical grips can be screwed onto our handwheels, crank handles etc.

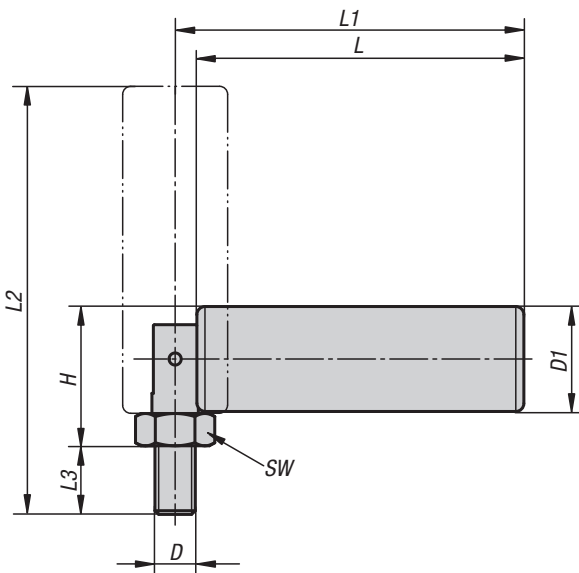
KIPP Cylindrical grips revolving, metric

Item No.	D	D1	D2	L	L1	L2	SW
K0774.06200500	M6	20	12	55	5	12	10
K0774.08230600	M8	23	14	67	7	15	13
K0774.08250690	M8	25	14	77	7	15	13
K0774.10250690	M10	25	14	77	7	15	13
K0774.10250800	M10	26	18	86	7	15	16
K0774.12250800	M12	26	18	86	7	15	16
K0774.10270890	M10	27	18	97	7	15	16
K0774.12270890	M12	27	18	97	7	15	16

Cylindrical grips fold-down



METRIC
Parts



Material:

Grip thermoplastic.
Steel parts black oxide finish.

Type:

Black satin finished.

Part Number Example:

K0775.10260890

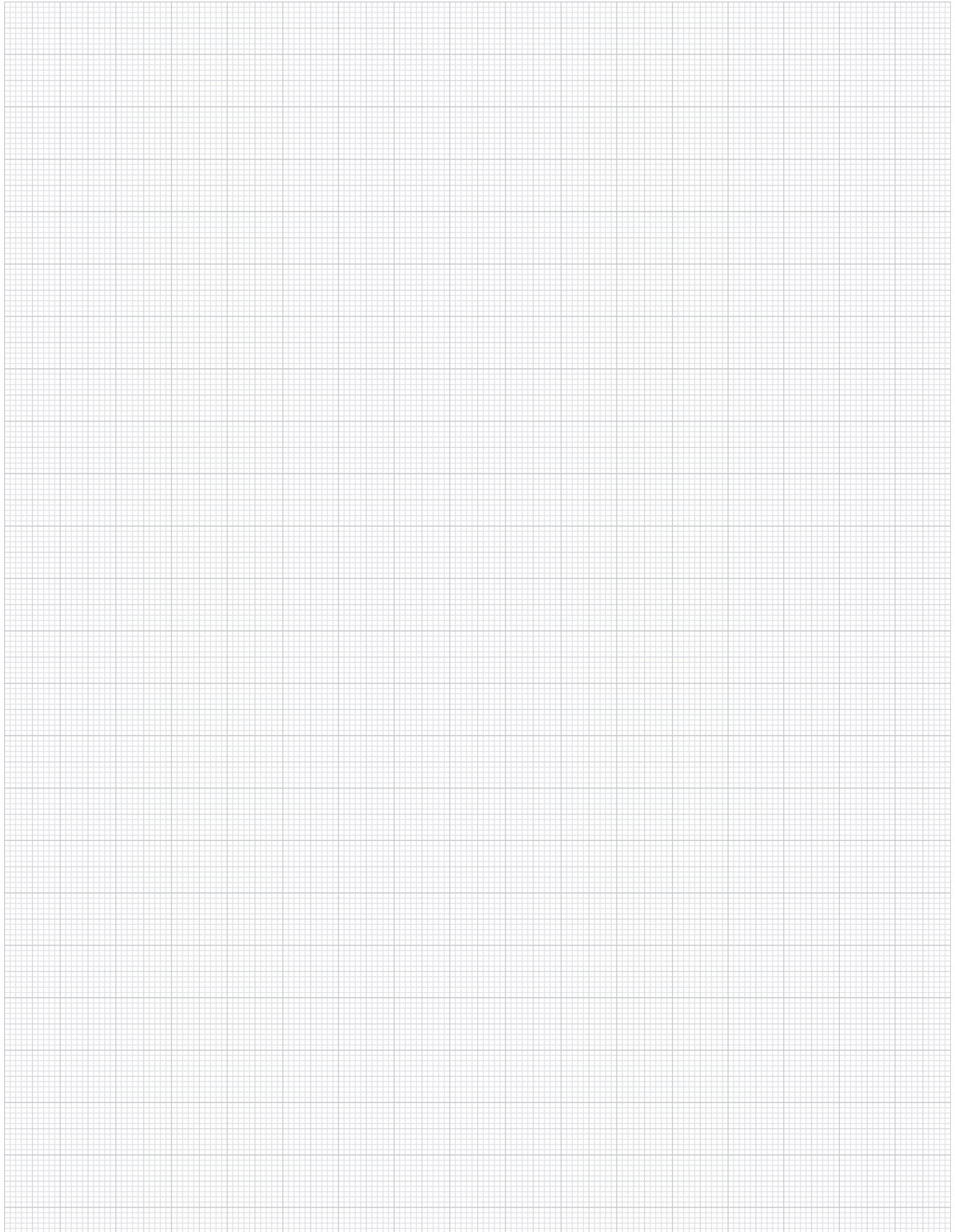
Note:

Cylindrical grips can be screwed onto our handwheels, crank handles etc.

KIPP Cylindrical grips fold-down, metric

Item No.	D	D1	SW	L	L1	L2	L3	H
K0775.06200490	M6	20	10	49	53	63,0	9	24,5
K0775.08250690	M8	25	13	70	74	87,5	11	28
K0775.10260890	M10	26	17	90	96	114,0	16	34

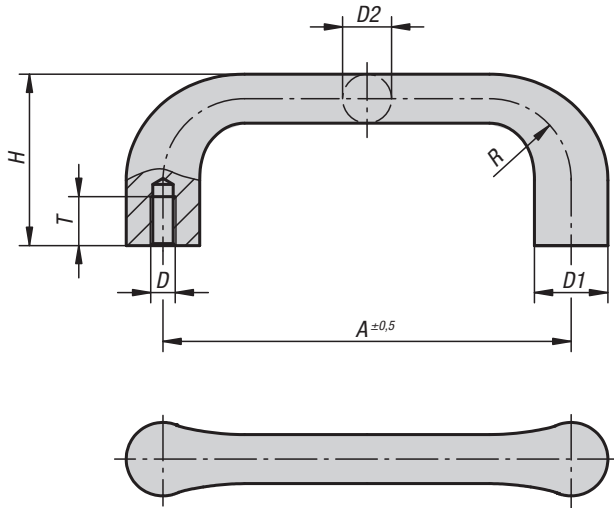
Notes:



Pull Handles

cast iron

METRIC
Parts



Material:

Gray cast iron, GJS 400

Type:

Tumbled,
black powder-coated,
support faces machined

Part Number Example:

K0186.12510

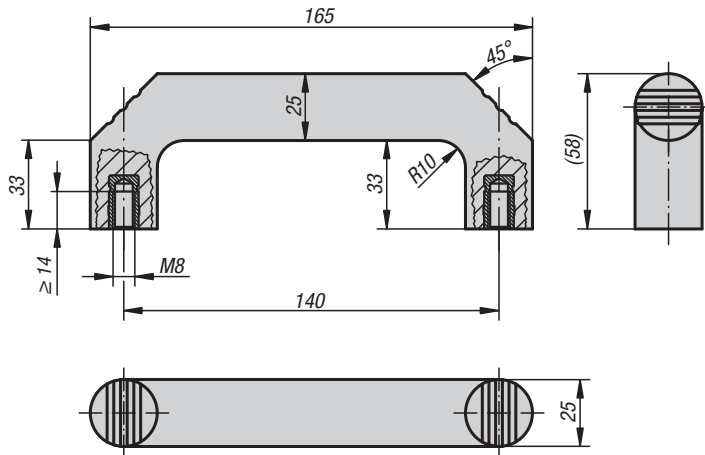
KIPP Pull Handles, metric

Item No. bright	Item No. black	A	D	D1	D2	H	R	T	Load capacity N
K0186.10006	K0186.100061	100	M6	18	12	42	20	12	1000
K0186.11208	K0186.112081	112	M8	20	14	47	22	15	1000
K0186.12510	K0186.125101	125	M10	22	16	53	24	18	1000
K0186.14012	K0186.140121	140	M12	25	18	59	26	20	1000

Pull Handles

duroplast

METRIC
Parts



Material:

Black Duroplast PF 31, bushing in brass or in galvanized steel

Type:

High-polish finish.

Part Number Example:

K0188.114008

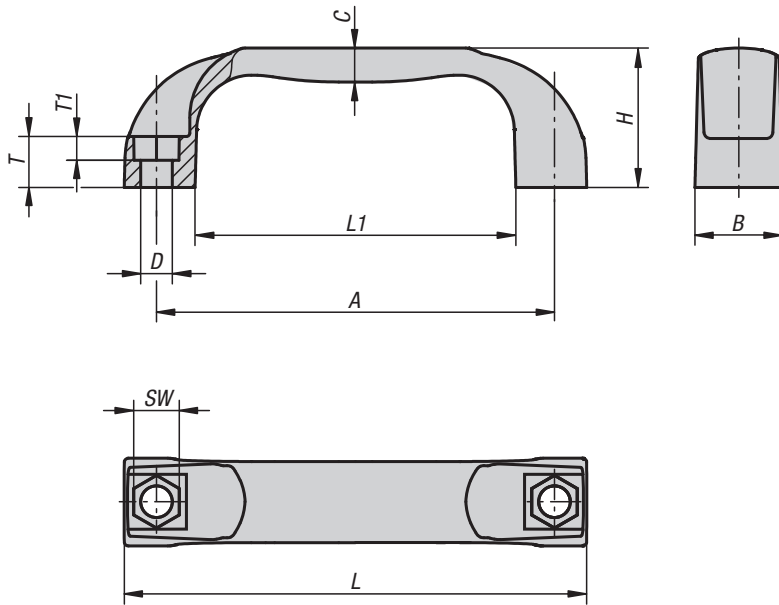
KIPP Pull Handles duroplast, metric

Item No.	Bushing material	Load capacity N
K0188.114008	brass	500
K0188.214008	Steel	500

Pull Handles

thermoplastic front and rear mount

METRIC
Parts



Material:

Thermoplast PA (polyamide), glass-bead reinforced or PP (polypropylene), fiberglass reinforced.

Type:

Anthracite gray

Part Number Example:

K0190.113208

Note:

The fastening hole is designed to accept the head of a socket or hexagon head bolt or a hexagon nut.

On request:

Popular RAL colors.

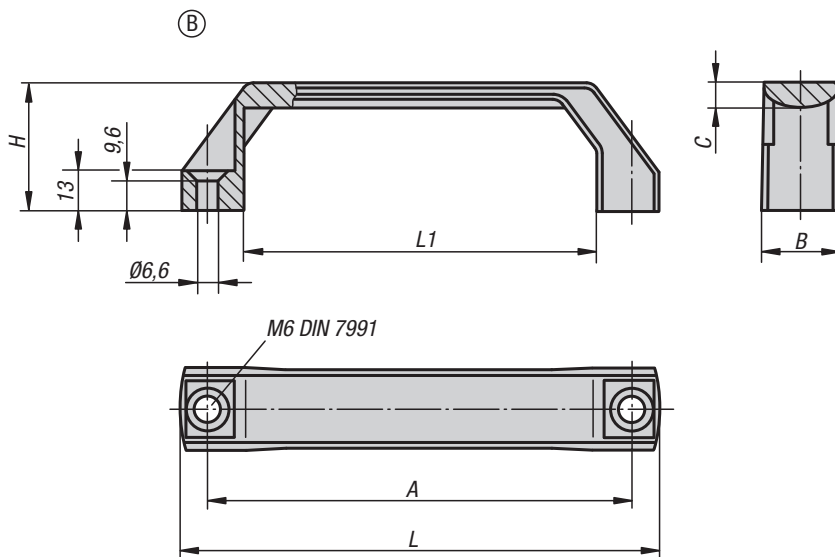
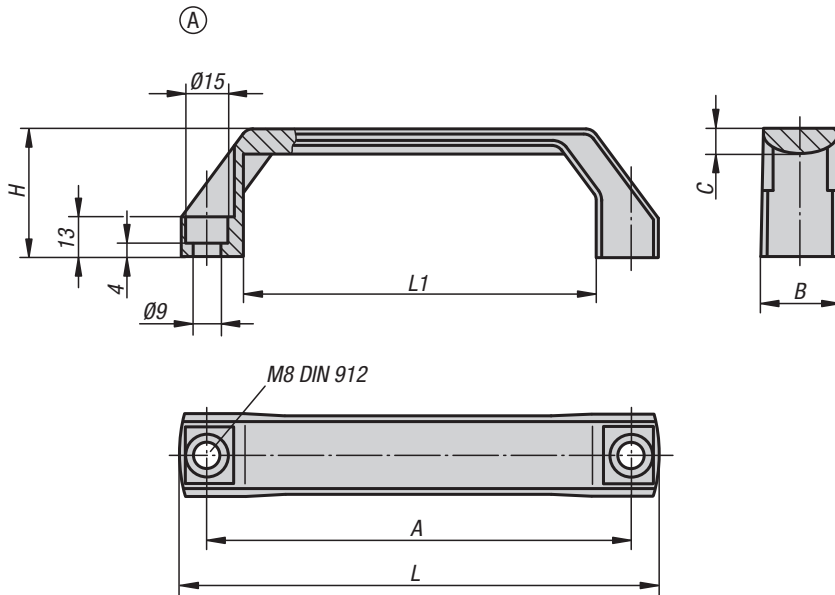
KIPP Pull Handles thermoplastic, metric

Item No.	Base material	A	B	C	D	H	L	L1	SW	T	T1	Load capacity N
K0190.109406	Polyamide	94 ±0,5	21	8	6,6	36	109	76	10	13	6	1000
K0190.111708	Polyamide	117 ±0,5	26	10	9	41	136	94	13	15	8	1500
K0190.113208	Polyamide	132 ±0,5	27	11	9	44	154	112	13	16	8	1500
K0190.117908	Polyamide	179 ±1,0	28	11	9	50	197	156	13	17	8	1500
K0190.209406	Polypropylene	94 ±0,5	21	8	6,6	36	109	76	10	13	6	500
K0190.211708	Polypropylene	117 ±0,5	26	10	9	41	136	94	13	15	8	800
K0190.213208	Polypropylene	132 ±0,5	27	11	9	44	154	112	13	16	8	800
K0190.217908	Polypropylene	179 ±1,0	28	11	9	50	197	156	13	17	8	800

Pull Handles

thermoplastic

METRIC
Parts



Material:
Glass-ball reinforced thermoplastic

Type:
Matte black or orange

Part Number Example:
K0191.1120081

Note:
Dimension "A" applies after mounting. Before mounting it can be up to 2 mm smaller due to the release of the bending stress.

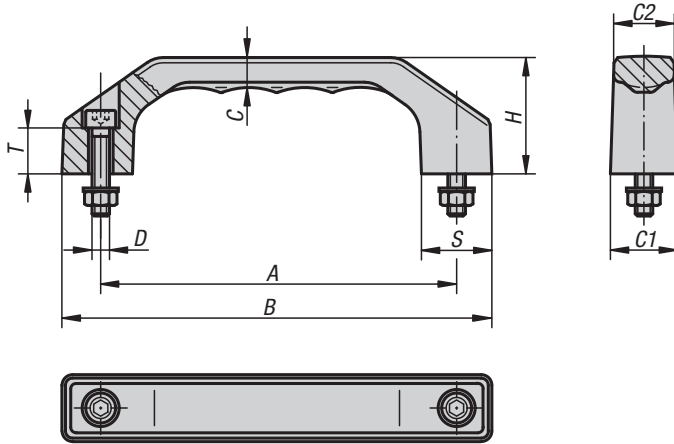
KIPP Pull Handles thermoplastic, metric

Item No. Black gray RAL 7021	Item No. Orange	Style	A	B	C	H	L	L1	Load capacity N
K0191.1120081	K0191.1120082	A	120	26	8	42	138	96	1000
K0191.1140081	K0191.1140082	A	140	26	8	42	158	116	1000
K0191.1160081	K0191.1160082	A	160	28	9	45	178	136	1000
K0191.2120061	K0191.2120062	B	120	26	8	42	138	96	1000
K0191.2140061	K0191.2140062	B	140	26	8	42	158	116	1000
K0191.2160061	K0191.2160062	B	160	28	9	45	178	136	1000

Pull Handles

thermoplastic

METRIC
Parts



Material:

Glass-ball reinforced thermoplastic

Type:

Matte black with fine texture

Part Number Example:

K0200.140082

Note:

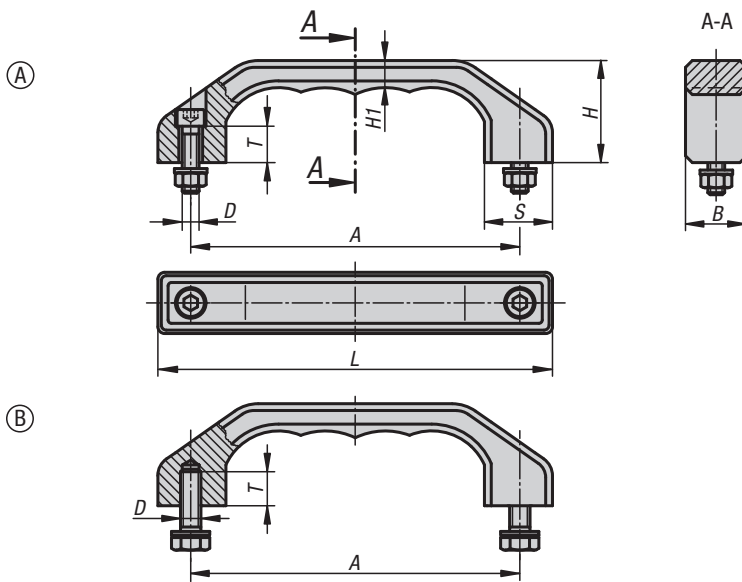
These handles possess extreme torsional strength and are highly operator friendly. Fastening screws, nuts and flat washers are supplied. For wet areas, the fastening screws, nuts and flat washers are supplied in refined steel.

KIPP Pull Handles thermoplastic, metric

Item No. -	Item No. wet area	A	B	C	C1	C2	D	H	S	T	Load capacity N
K0200.100051	K0200.100052	100	122	8,5	19	17	M5x22	35	20	13	1000
K0200.120061	K0200.120062	120	146	10,5	23	20,5	M6x25	39	24	15	1000
K0200.140081	K0200.140082	140	170	12	27	24	M8x30	45	28	16	1000
K0200.160081	K0200.160082	160	194	13,5	31	27,5	M8x35	52	32	20	1000
K0200.180081	K0200.180082	180	218	15,5	35	31	M10x40	58	36	20	1000

Pull Handles

stainless steel



Material:

Precision cast stainless steel 1.4308.
Fastening material stainless steel 1.4301.

Type:

Abrasive cleaned and matte gloss electropolished.

Part Number Example:

K0198.140081

Assembly:

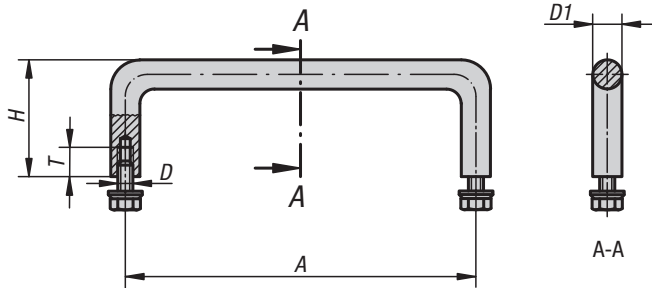
Style A from the front.
Style B from the rear.

KIPP Pull Handles, stainless steel, metric

Item No.	Style	A	B	D	H	H1	L	S	T	Load capacity N
K0198.140081	A	140	25	M8x30	45	12	170	28	15	1000
K0198.180101	A	180	32	M10x40	58	15	218	36	18	1000
K0198.140082	B	140	25	M8x18	45	12	170	28	15	1000
K0198.180102	B	180	32	M10x20	58	15	218	36	18	1000

Pull Handles

stainless steel, round profile



Material:

Handle in stainless steel 1.4305.

Fastening material stainless steel 1.4301.

Type:

Electropolished.

Part Number Example:

K0206.120

Note:

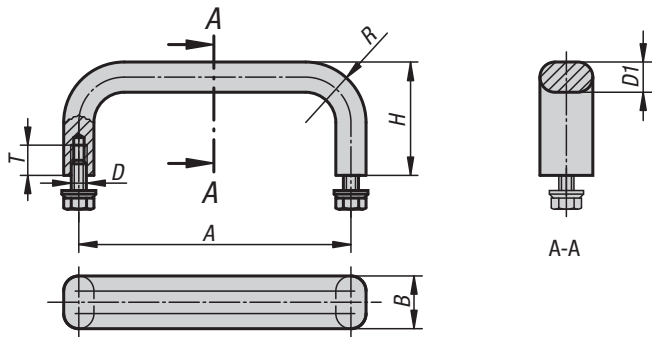
Stainless steel pull handles are used mainly on equipment in the medical and food industry as well as in laboratories and other hi-tech environments.

KIPP Pull Handles, stainless steel, round profile, metric

Item No.	A	D	D1	H	T	Load capacity N
K0206.100	100	M5x10	8	35	10	1000
K0206.120	120	M5x10	10	40	10	1000
K0206.250	250	M5x10	10	40	10	1000
K0206.350	350	M5x10	10	40	10	1000

Pull Handles

stainless steel, rectangular profile



Material:

Handle in stainless steel 1.4305.

Fastening material stainless steel 1.4301.

Type:

Vibratory ground satin finish

Part Number Example:

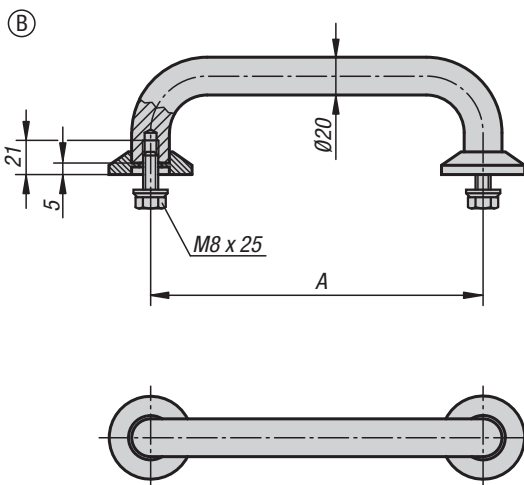
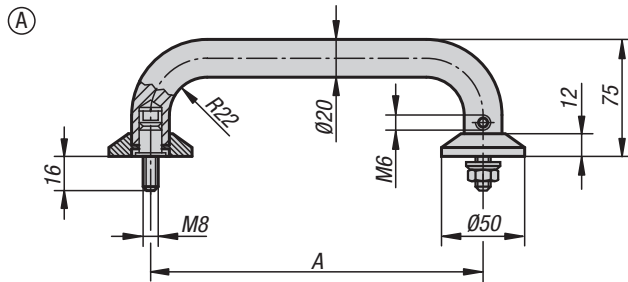
K0208.10005

KIPP Pull Handles, stainless steel, rectangular profile, metric

Item No.	A	B	D	D1	H	R	T	Load capacity N
K0208.10005	100	12	M5x10	8	40	22	10	1000
K0208.12005	120	12	M5x10	8	40	22	10	1000
K0208.15005	150	12	M5x10	8	40	22	10	1000
K0208.18005	180	12	M5x10	8	40	22	10	1000
K0208.25005	250	12	M5x10	8	40	22	10	1000
K0208.10006	100	19,5	M6x12	10	45	24	12	1000
K0208.12006	120	19,5	M6x12	10	45	24	12	1000
K0208.15006	150	19,5	M6x12	10	45	24	12	1000
K0208.18006	180	19,5	M6x12	10	45	24	12	1000
K0208.25006	250	19,5	M6x12	10	45	24	12	1000

Pull Handles

stainless steel, with cover plates



Material:

Handle in stainless steel 1.4305.

Fastening material stainless steel 1.4301.

Type:

Ground and satin brushed finish.

Part Number Example:

K0215.2001

Note:

These pull handles are ideal for all technical applications where top load rating and high chemical or corrosive stress resistance is required.

Assembly:

Style A from the front.

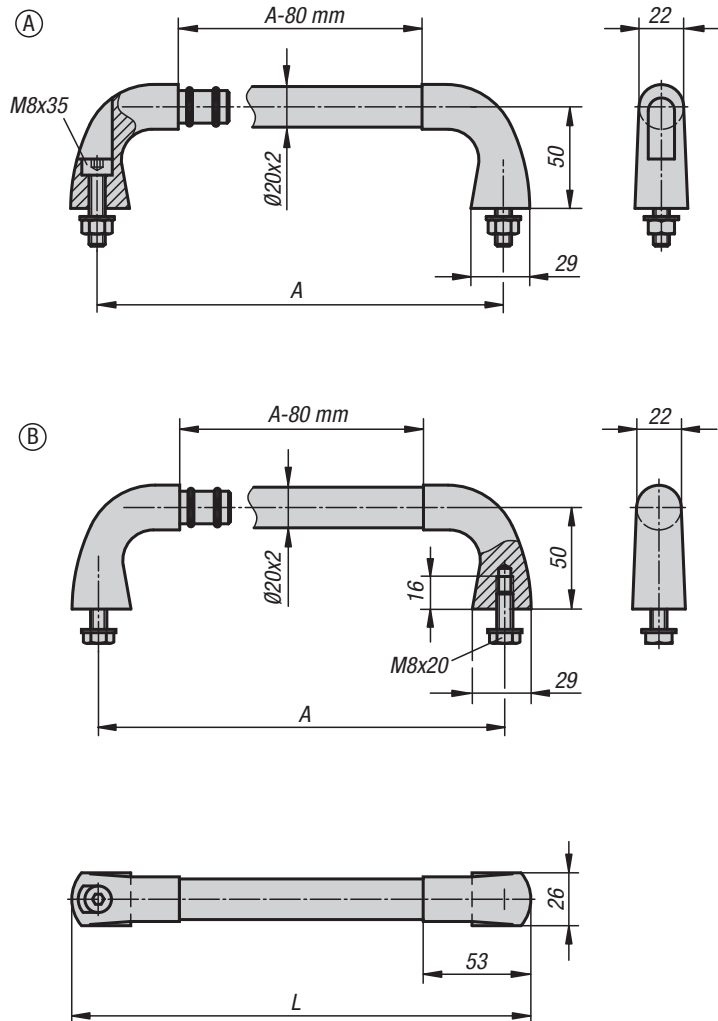
Style B from the rear.

KIPP Pull Handles, stainless steel, with cover plates, metric

Item No.	Style	A	Load capacity N
K0215.2001	A	200	1000
K0215.2501	A	250	1000
K0215.2002	B	200	1000
K0215.2502	B	250	1000

Pull Handles

stainless steel, three-piece tube design



Material:

Connecting tube and fasteners made of stainless steel 1.4301
Handle shank precision cast 1.4581

Type:

Tube handle finely ground or with ribbed black plastic sleeve.
Shanks abrasive cleaned and matte gloss electropolished.

Part Number Example:

K0227.200081

Note:

Hardware included for front mount (Style A), or rear mount (Style B).

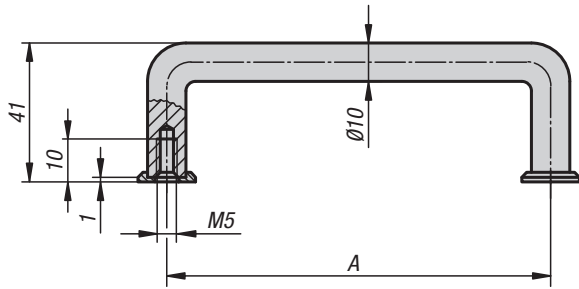
KIPP Pull Handles stainless steel, three-piece tube design, metric

Item No.	Style	Base color	A	L	Load capacity N
K0227.200081	A	Ground	200	226	1000
K0227.300081	A	Ground	300	326	1000
K0227.400081	A	Ground	400	426	1000
K0227.200082	A	black plastic ribbed	200	226	1000
K0227.300082	A	black plastic ribbed	300	326	1000
K0227.400082	A	black plastic ribbed	400	426	1000
K0227.200083	B	Ground	200	226	1000
K0227.300083	B	Ground	300	326	1000
K0227.400083	B	Ground	400	426	1000
K0227.200084	B	black plastic ribbed	200	226	1000
K0227.300084	B	black plastic ribbed	300	326	1000
K0227.400084	B	black plastic ribbed	400	426	1000

Pull Handles

aluminum

METRIC
Parts 19"



Material:

Round aluminum

Type:

Surface matte-finished and natural color or black anodized

Part Number Example:

K0201.055051

Note:

End washers not included.

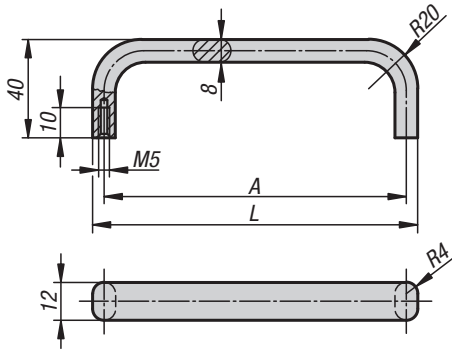
KIPP Pull Handles, aluminum, metric

Item No.	Base color	A	Load capacity N	Order No. end washer
K0201.055051	Black anodized	55	500	K0201.1
K0201.088051	Black anodized	88	500	K0201.1
K0201.100051	Black anodized	100	500	K0201.1
K0201.120051	Black anodized	120	500	K0201.1
K0201.180051	Black anodized	180	500	K0201.1
K0201.200051	Black anodized	200	500	K0201.1
K0201.235051	Black anodized	235	500	K0201.1
K0201.250051	Black anodized	250	500	K0201.1
K0201.055053	natural anodized	55	500	K0201.3
K0201.088053	natural anodized	88	500	K0201.3
K0201.100053	natural anodized	100	500	K0201.3
K0201.120053	natural anodized	120	500	K0201.3
K0201.180053	natural anodized	180	500	K0201.3
K0201.200053	natural anodized	200	500	K0201.3
K0201.235053	natural anodized	235	500	K0201.3
K0201.250053	natural anodized	250	500	K0201.3

Pull Handles

aluminum

METRIC Parts 19"



Material:

Oval aluminum

Type:

Matte, natural color anodized or black anodized

Part Number Example:

K0202.055051

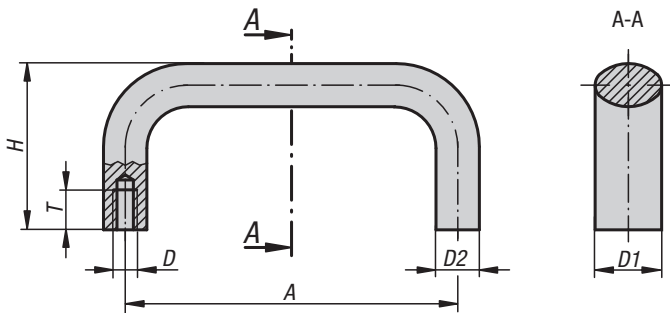
KIPP Pull Handles, aluminum, metric

Item No. black anodized	Item No. natural color anodized	A	L	Load capacity N
K0202.055051	K0202.055053	55	63	500
K0202.088051	K0202.088053	88	96	500
K0202.100051	K0202.100053	100	108	500
K0202.120051	K0202.120053	120	128	500
K0202.180051	K0202.180053	180	188	500
K0202.200051	K0202.200053	200	208	500
K0202.235051	K0202.235053	235	243	500
K0202.250051	K0202.250053	250	258	500

Pull Handles

aluminum

METRIC
Parts



Material:

Oval aluminum EN AW-6060

Type:

Black powder-coated, natural anodized finish

Part Number Example:

K0204.10001

Note:

These handles are extremely robust and can be used where heavy duty equipment is called for.

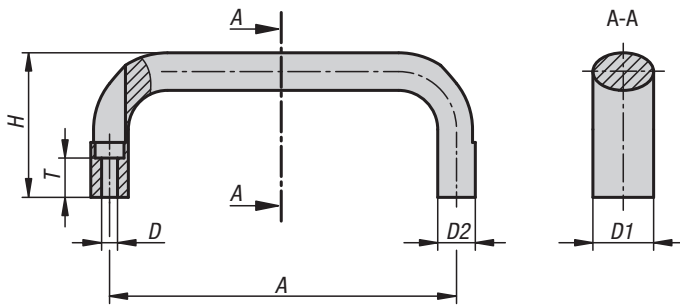
KIPP Pull Handles, aluminum, metric

Item No. black powdercoated	Item No. natural anodized	A	D	D1	D2	H	T	Load capacity N
K0204.10001	K0204.10003	100	M6	21/20	13	50	12	1000
K0204.11201	K0204.11203	112	M6	21/20	13	50	12	1000
K0204.12001	K0204.12003	120	M6	21/20	13	50	12	1000
K0204.12801	K0204.12803	128	M6	21/20	13	50	12	1000
K0204.1600106	K0204.1600306	160	M6	21/20	13	50	12	1000
K0204.1120108	K0204.1120308	112	M8	25/26	17	55	14	1000
K0204.1200108	K0204.1200308	120	M8	25/26	17	55	14	1000
K0204.1280108	K0204.1280308	128	M8	25/26	17	55	14	1000
K0204.16001	K0204.16003	160	M8	25/26	17	55	14	1000
K0204.18001	K0204.18003	180	M8	25/26	17	55	14	1000
K0204.19201	K0204.19203	192	M8	25/26	17	55	14	1000
K0204.35001	K0204.35003	350	M8	25/26	17	55	14	1000

Pull Handles oval

with thru hole

METRIC
Parts



Material:

Oval aluminum EN AW-6060

Type:

Black or Ruby red RAL 3003, powder-coated.

Part Number Example:

K0204.11120105

Accessories:

Suitable screws for mounting the handles:

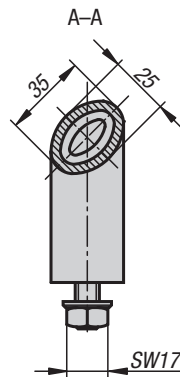
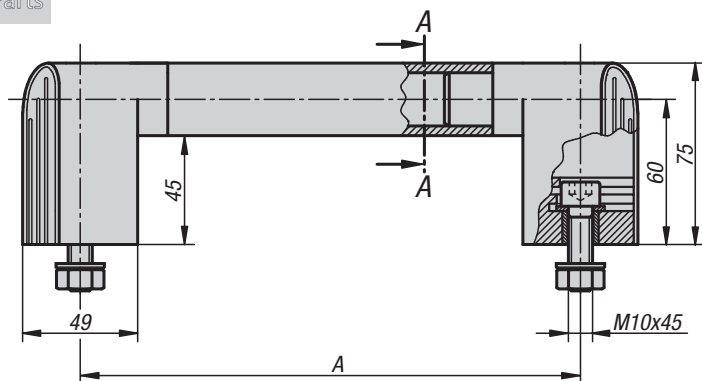
- Socket head screw ISO 4762-M5/ M6.

KIPP Pull Handles oval with thru hole, metric

Item No. black powdercoated	Item No. Ruby red RAL 3003	A	D	D1	D2	H	T	Load capacity N
K0204.11000105	K0204.11002705	100	5,5	21	13	50	13,6	1000
K0204.11120105	K0204.11122705	112	5,5	21	13	50	13,6	1000
K0204.11200105	K0204.11202705	120	5,5	21	13	50	13,6	1000
K0204.11280105	K0204.11282705	128	5,5	21	13	50	13,6	1000
K0204.11600105	K0204.11602705	160	5,5	21	13	50	13,6	1000
K0204.11120106	K0204.11122706	112	6,6	25	17	55	11	1000
K0204.11200106	K0204.11202706	120	6,6	25	17	55	11	1000
K0204.11280106	K0204.11282706	128	6,6	25	17	55	11	1000
K0204.11600106	K0204.11602706	160	6,6	25	17	55	11	1000
K0204.11800106	K0204.11802706	180	6,6	25	17	55	11	1000

Big Hand

METRIC
Parts



Heavy Duty durability, eye appeal and a firm grip are guaranteed with NOVO grip Big Hand handles. Big Hands are designed for any size application, big or small, where strength, durability, endurance and performance are required.

Material:
Rhombus shaped end pieces thermoplastic.
Oval tube aluminum.

Type:
Rhombus shaped end pieces black gray,
oval tube coated or anodized.

Part Number Example:
K0231.118070 (oval tube color raspberry red)

Note:
Big Hands are supplied unassembled.
Tube length A, available in custom lengths upon request.
Optional supply: set of M10 bolts for mounting options 1+2, a set of wood screws diameter M5 with dowel for option 3.
A drill template and assembly tool are supplied with option 3.

Δ Add the desired color code here; no color code is required with anthracite gray oval tubes

On request:
Length "A" in stepped special lengths.

color codes:



black gray
RAL 7021



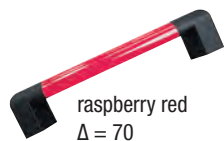
anodized black
Δ = 01



anodized natural
Δ = 03



ruby red
Δ = 27
RAL 3003

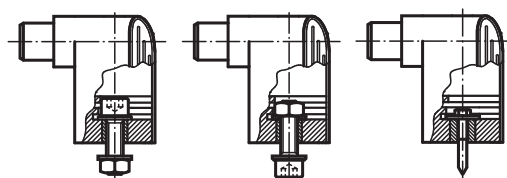


raspberry red
Δ = 70
RAL 3027



ocean blue
Δ = 73
RAL 5020

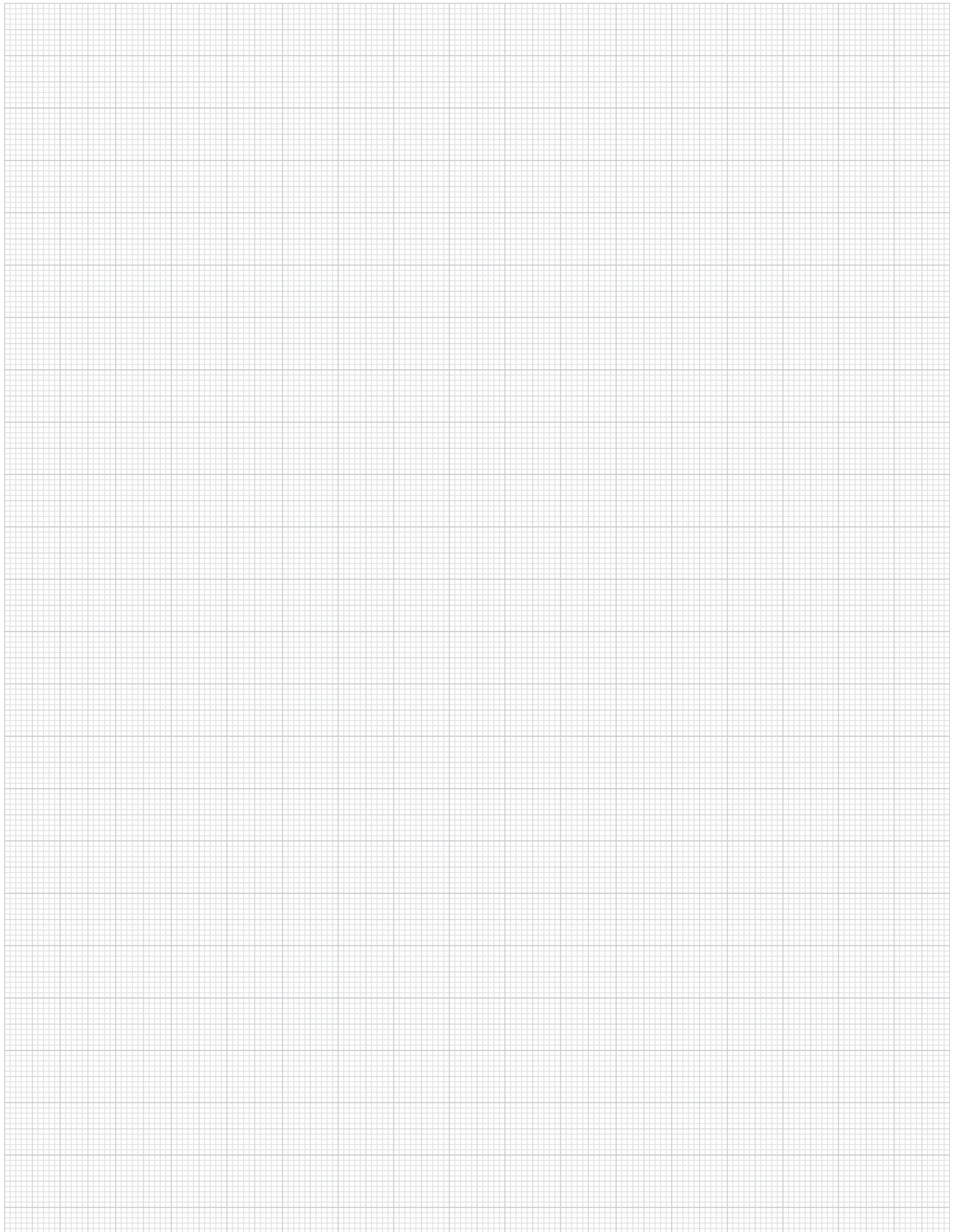
Mounting options



KIPP Big Hand, metric

Item No. version 1+2 DIN 912 cap screw	Item No. version 3 DIN 571 hex-head woodscrew	A
K0231.1180Δ	K0231.118011Δ	180
K0231.1200Δ	K0231.120011Δ	200
K0231.1250Δ	K0231.125011Δ	250
K0231.1300Δ	K0231.130011Δ	300
K0231.1350Δ	K0231.135011Δ	350
K0231.1400Δ	K0231.140011Δ	400
K0231.1500Δ	K0231.150011Δ	500
K0231.1600Δ	K0231.160011Δ	600

Notes:



Rules Stainless Steel

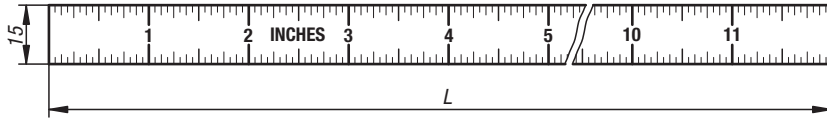
New Item



INCH Parts
METRIC Parts



Horizontal mounting



Material:
Stainless steel 1.4310.

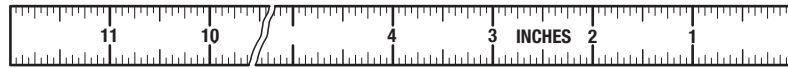
Type:
Natural finish.

Part Number Example:
K0759.0002L01XA02.005

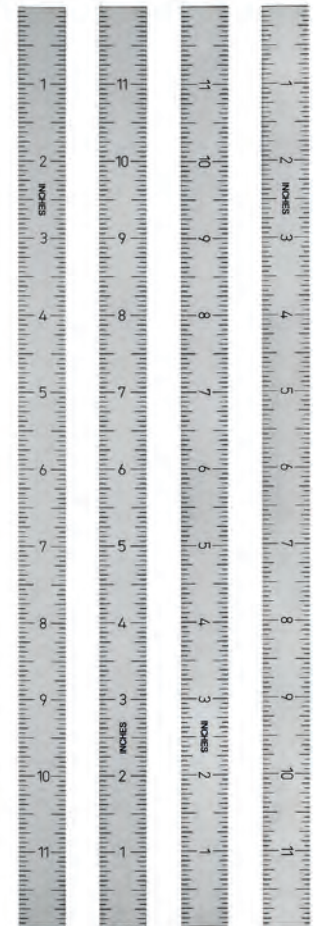
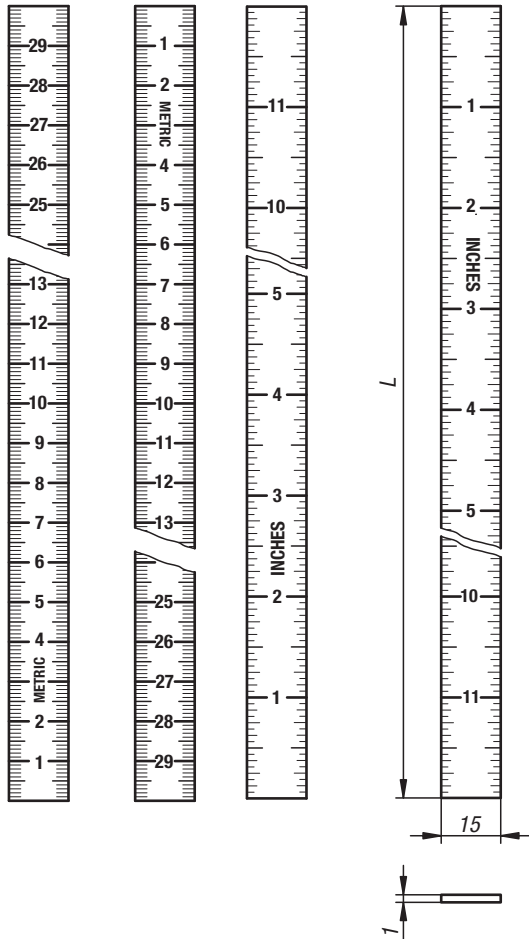
Note:
Rigid design stainless steel rules with self-adhesive back.
Cross section 15 x 1 mm.

Matte surface and black high contrast graduations.
The graduations are deep lasered.

- On request:**
- Zero mark lower right or center
 - Graduations on a single edge
 - Other lengths



Vertical mounting



KIPP Rules Stainless steel, inch

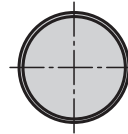
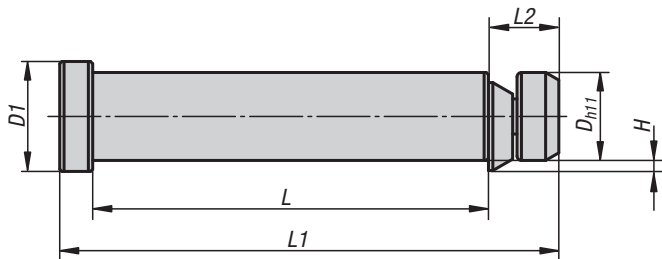
Item No.	Base material	Type	Zero point	L
K0759.0002L01XL76.005	Stainless steel	horizontal	left	12 INCH
K0759.0002L01XA01.005	Stainless steel	horizontal	left	20 INCH
K0759.0002L01XA02.005	Stainless steel	horizontal	left	28 INCH
K0759.0002L01XA03.005	Stainless steel	horizontal	left	40 INCH
K0759.0102L01XL76.005	Stainless steel	vertical	top	12 INCH
K0759.0102L01XA01.005	Stainless steel	vertical	top	20 INCH
K0759.0102L01XA02.005	Stainless steel	vertical	top	28 INCH
K0759.0102L01XA03.005	Stainless steel	vertical	top	40 INCH
K0759.0022L01XL76.005	Stainless steel	horizontal	right	12 INCH
K0759.0022L01XA01.005	Stainless steel	horizontal	right	20 INCH
K0759.0022L01XA02.005	Stainless steel	horizontal	right	28 INCH
K0759.0022L01XA03.005	Stainless steel	horizontal	right	40 INCH
K0759.0122L01XL76.005	Stainless steel	vertical	bottom	12 INCH
K0759.0122L01XA01.005	Stainless steel	vertical	bottom	20 INCH
K0759.0122L01XA02.005	Stainless steel	vertical	bottom	28 INCH
K0759.0122L01XA03.005	Stainless steel	vertical	bottom	40 INCH

KIPP Rules Stainless steel, metric

Item No.	Base material	Type	Zero point	L
K0759.000210X0300.005	Stainless steel	horizontal	left	300
K0759.000210X0500.005	Stainless steel	horizontal	left	500
K0759.000210X0700.005	Stainless steel	horizontal	left	700
K0759.000210X1000.005	Stainless steel	horizontal	left	1000
K0759.010210X0300.005	Stainless steel	vertical	top	300
K0759.010210X0500.005	Stainless steel	vertical	top	500
K0759.010210X0700.005	Stainless steel	vertical	top	700
K0759.010210X1000.005	Stainless steel	vertical	top	1000
K0759.002210X0300.005	Stainless steel	horizontal	right	300
K0759.002210X0500.005	Stainless steel	horizontal	right	500
K0759.002210X0700.005	Stainless steel	horizontal	right	700
K0759.002210X1000.005	Stainless steel	horizontal	right	1000
K0759.012210X0300.005	Stainless steel	vertical	bottom	300
K0759.012210X0500.005	Stainless steel	vertical	bottom	500
K0759.012210X0700.005	Stainless steel	vertical	bottom	700
K0759.012210X1000.005	Stainless steel	vertical	bottom	1000

Lifting bolts with retaining ring

METRIC
Parts



Material:

Bolts, ring nut and safety ring:
 Ø 12, 16 and 20 = 16MnCrS5 1.7139
 Ø 25 and 32 = 42CrMoS4 1.7227
 strip spring: CK75 1.1248

Type:

Black oxide finish.

Part Number Example:

K0585.12055

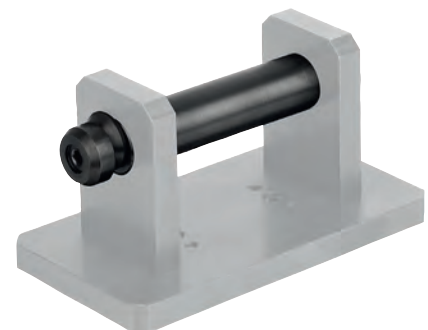
Note:

The lifting bolts are used for safely hoisting loads with the aid of end flanges similar to VDI 3366. The hole for receiving dimension D must have a tolerance of +1mm.

The retaining ring is held into position by a spring band – the lifting bolt can only be released by manual compression of the retaining ring.

With CE marking.

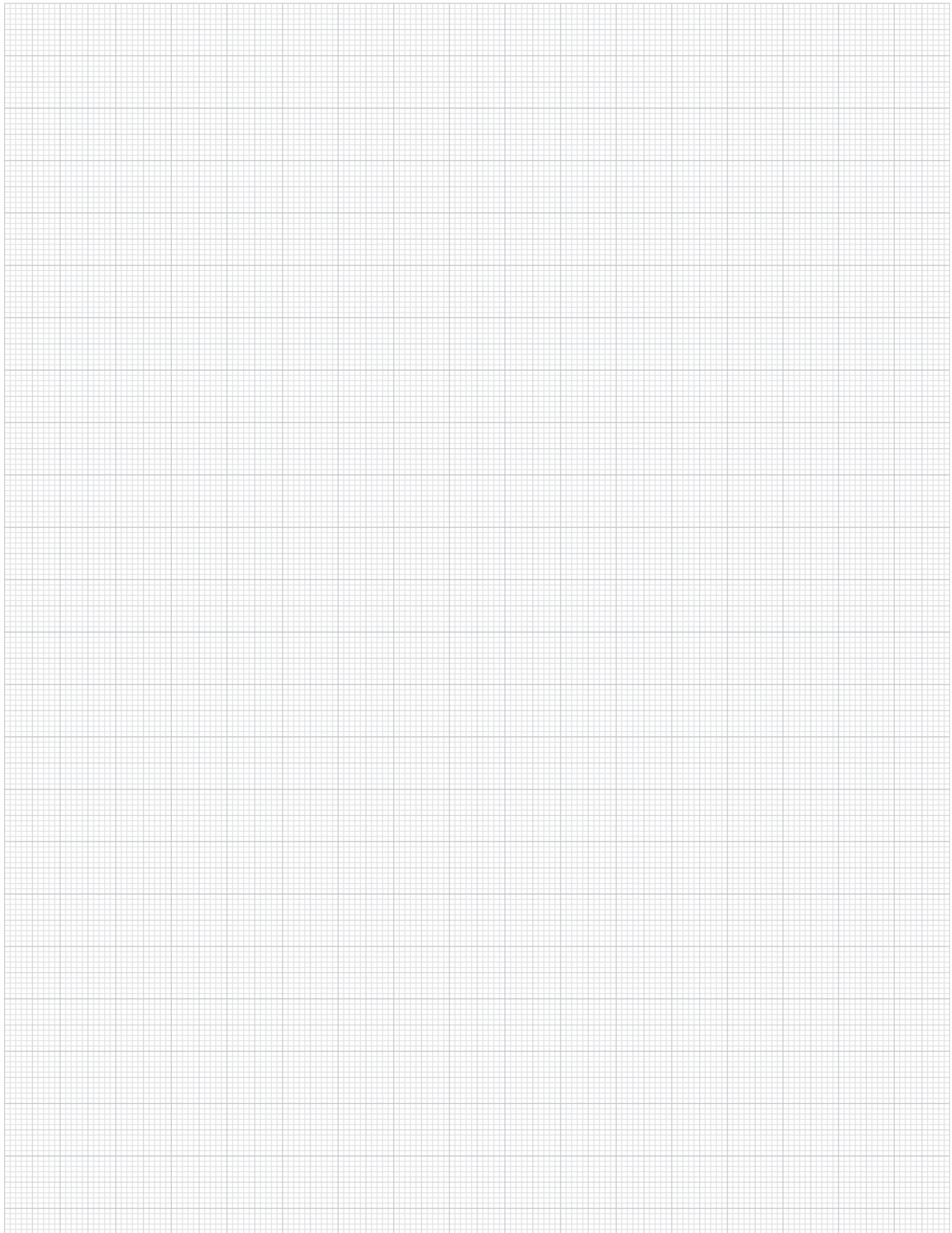
Detailed operating instructions are included.



KIPP Lifting bolts with retaining ring, metric

Item No.	D	D1	L	L1	L2	H	max. load in kg
K0585.12055	12	15	55	69	10	1,4	300
K0585.16072	16	20	72	89	13	1,8	600
K0585.20090	20	25	90	113	16	2,3	900
K0585.25115	25	32	115	143	20	3,2	2.000
K0585.32145	32	40	145	180	25	3,7	3200

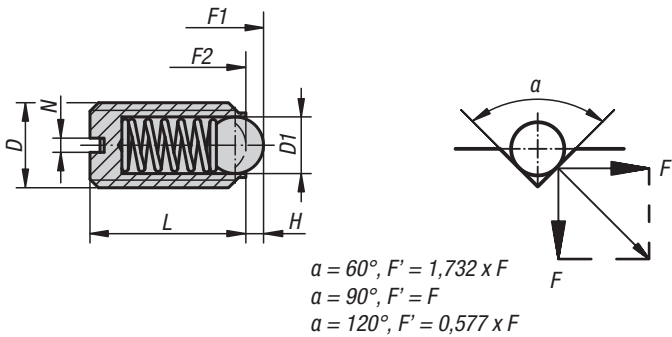
Notes:



Spring Plungers

ball style, slotted, steel

INCH Parts METRIC Parts



Material:

Body in steel quality class 5.8.
 Ball steel.
 Spring in spring steel class D.

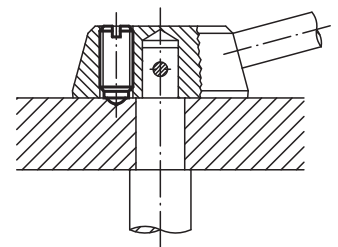
Type:

Black oxide finish.
 Ball hardened.

Part Number Example:

K0309.AD

Application Diagram



KIPP Spring Plungers, ball style, slotted, steel, standard end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0309.AD	6-32	1,5	7	0,4	0,4	1,5	3
K0309.AE	8-32	2,5	9	0,8	0,6	4	10
K0309.AG	8-36	2,5	9	0,8	0,6	4	10
K0309.AJ	1/4-28	3,5	14	1	1	9	13
K0309.A1	10-32	3	12	0,9	0,8	6	11
K0309.A6	5/8-11	10	24	3,5	2,5	65	125
K0309.A4	3/8-16	6	19	2	1,6	20	35
K0309.A3	5/16-18	5	16	1,5	1,2	15	30
K0309.A5	1/2-13	8	22	2,5	2	30	55
K0309.A2	1/4-20	3,5	14	1	1	9	13

Spring Plungers

ball style, slotted, steel

KIPP Spring Plungers, ball style, slotted, steel, heavy end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0309.2A1	10-32	3	12	0,9	0,8	19	30
K0309.2AJ	1/4-28	3,5	14	1	1	28	40
K0309.2A2	1/4-20	3,5	14	1	1	28	40
K0309.2A3	5/16-18	5	16	1,5	1,2	47	73
K0309.2A4	3/8-16	6	19	2	1,6	66	100
K0309.2A5	1/2-13	8	22	2,5	2	66	120
K0309.2A6	5/8-11	10	24	3,5	2,5	90	180

KIPP Spring Plungers, ball style, slotted, steel, standard end pressure, metric

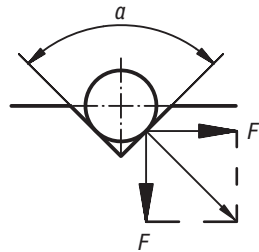
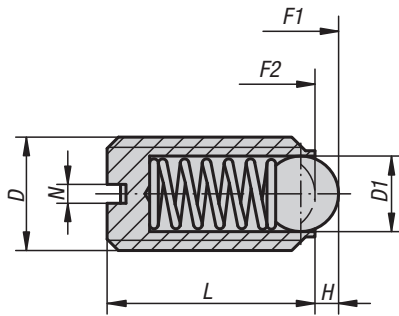
Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0309.03	M3	1,5	7	0,4	0,4	1,5	3
K0309.04	M4	2,5	9	0,8	0,6	4	10
K0309.05	M5	3	12	0,9	0,8	6	11
K0309.06	M6	3,5	14	1	1	9	13
K0309.08	M8	5	16	1,5	1,2	15	30
K0309.10	M10	6	19	2	1,6	20	35
K0309.12	M12	8	22	2,5	2	30	55
K0309.16	M16	10	24	3,5	2,5	65	125
K0309.20	M20	12	30	4,5	2,5	80	160

KIPP Spring Plungers, ball style, slotted, steel, heavy end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0309.203	M3	1,5	7	0,4	0,4	5	7
K0309.204	M4	2,5	9	0,8	0,6	12	22
K0309.205	M5	3	12	0,9	0,8	19	30
K0309.206	M6	3,5	14	1	1	28	40
K0309.208	M8	5	16	1,5	1,2	47	73
K0309.210	M10	6	19	2	1,6	66	100
K0309.212	M12	8	22	2,5	2	66	120
K0309.216	M16	10	24	3,5	2,5	90	180
K0309.220	M20	12	30	4,5	2,5	115	240

Spring Plungers

ceramic ball, slotted, stainless steel



$$\begin{aligned}
 \alpha &= 60^\circ, F' = 1,732 \times F \\
 \alpha &= 90^\circ, F' = F \\
 \alpha &= 120^\circ, F' = 0,577 \times F
 \end{aligned}$$

Material:

Body stainless steel 1.4305.
 Ceramic ball Si_3N_4 .
 Spring stainless steel 1.4310.

Type:

Natural finish.

Part Number Example:

K0609.05

Note:

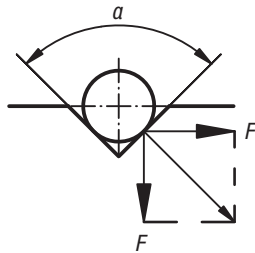
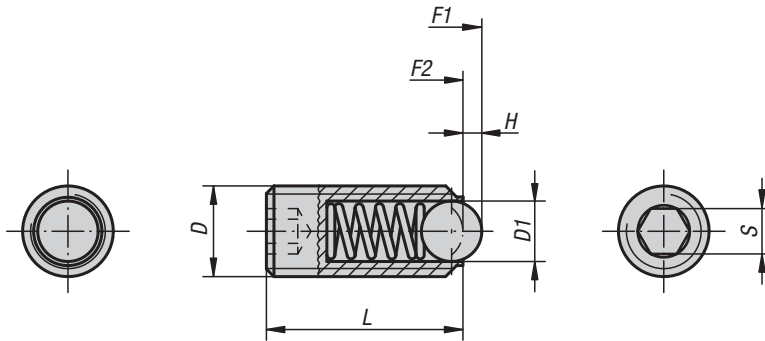
The combination of excellent material properties is a special feature of silicon nitride (Si_3N_4). These include, for example, high strength and stability, excellent wear and chemical resistance.

KIPP Spring Plungers ceramic ball, slotted, stainless steel, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0609.05	M5	3	12	0,9	0,8	6	11
K0609.06	M6	3,5	14	1	1	9	13
K0609.08	M8	5	16	1,5	1,2	15	30
K0609.10	M10	6	19	2	1,6	20	35
K0609.12	M12	8	22	2,5	2	30	55
K0609.16	M16	10	24	3,5	2,5	65	125

Spring Plungers

with hexagon socket and ceramic ball, stainless steel



$$a = 60^\circ, F' = 1,732 \times F$$

$$a = 90^\circ, F' = F$$

$$a = 120^\circ, F' = 0,577 \times F$$

Material:

Body stainless steel 1.4305.
Ceramic ball Si_3N_4 .
Spring stainless steel 1.4310.

Type:

Natural finish.

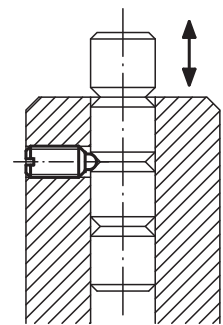
Part Number Example:

K0610.05

Note:

The combination of excellent material properties is a special feature of silicon nitride (Si_3N_4). These include, for example, high strength and stability, excellent wear and chemical resistance.

Application Diagram



KIPP Spring Plungers with hexagon socket and ceramic ball, stainless steel, metric

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0610.05	M5	3	14	0,9	2,5	6	11
K0610.06	M6	3,5	15	1	3	9	13
K0610.08	M8	5	18	1,5	4	15	30
K0610.10	M10	6	23	2	5	20	35
K0610.12	M12	8	26	2,5	6	30	55
K0610.16	M16	10	33	3,5	8	65	125

Spring Plungers

ball style, slotted, stainless steel



Material:

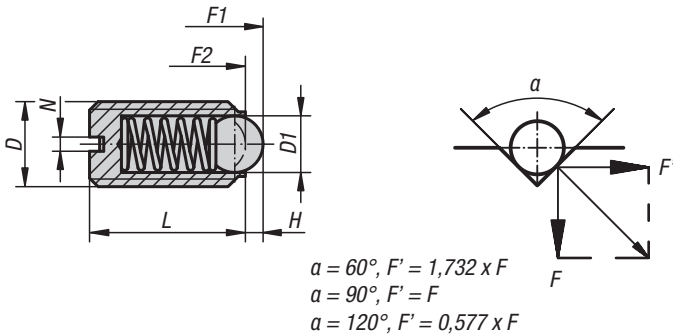
Body in stainless steel 1.4305;
ball in stainless steel 1.4034;
spring in stainless steel 1.4310

Type:

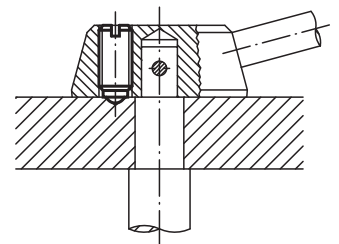
Natural finish. Ball hardened.

Part Number Example:

K0310.AD



Application Diagram



KIPP Spring Plungers, ball style, slotted, stainless steel, standard end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0310.AD	6-32	1,5	7	0,4	0,4	1,5	3
K0310.AG	8-36	2,5	9	0,8	0,6	4	10
K0310.AE	8-32	2,5	9	0,8	0,6	4	10
K0310.A1	10-32	3	12	0,9	0,8	6	11
K0310.AJ	1/4-28	3,5	14	1	1	9	13
K0310.A2	1/4-20	3,5	14	1	1	9	13
K0310.A3	5/16-18	5	16	1,5	1,2	15	30
K0310.A4	3/8-16	6	19	2	1,6	20	35
K0310.A5	1/2-13	8	22	2,5	2	30	55
K0310.A6	5/8-11	10	24	3,5	2,5	65	125

Spring Plungers

ball style, slotted, stainless steel

KIPP Spring Plungers, ball style, slotted, stainless steel, heavy end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0310.2A1	10-32	3	12	0,9	0,8	19	30
K0310.2AJ	1/4-28	3,5	14	1	1	28	40
K0310.2A2	1/4-20	3,5	14	1	1	28	40
K0310.2A3	5/16-18	5	16	1,5	1,2	47	73
K0310.2A4	3/8-16	6	19	2	1,6	66	100
K0310.2A5	1/2-13	8	22	2,5	2	66	120
K0310.2A6	5/8-11	10	24	3,5	2,5	90	180

KIPP Spring Plungers, ball style, slotted, stainless steel, standard end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0310.03	M3	1,5	7	0,4	0,4	1,5	3
K0310.04	M4	2,5	9	0,8	0,6	4	10
K0310.05	M5	3	12	0,9	0,8	6	11
K0310.06	M6	3,5	14	1	1	9	13
K0310.08	M8	5	16	1,5	1,2	15	30
K0310.10	M10	6	19	2	1,6	20	35
K0310.12	M12	8	22	2,5	2	30	55
K0310.16	M16	10	24	3,5	2,5	65	125
K0310.20	M20	12	30	4,5	2,5	80	160

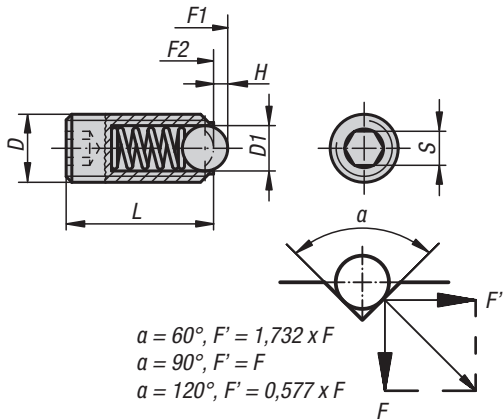
KIPP Spring Plungers, ball style, slotted, stainless steel, heavy end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0310.203	M3	1,5	7	0,4	0,4	5	7
K0310.204	M4	2,5	9	0,8	0,6	12	22
K0310.205	M5	3	12	0,9	0,8	19	30
K0310.206	M6	3,5	14	1	1	28	40
K0310.208	M8	5	16	1,5	1,2	47	73
K0310.210	M10	6	19	2	1,6	66	100
K0310.212	M12	8	22	2,5	2	66	120
K0310.216	M16	10	24	3,5	2,5	90	180
K0310.220	M20	12	30	4,5	2,5	115	240

Spring Plungers

ball style, hexagon socket, steel

INCH Parts METRIC Parts

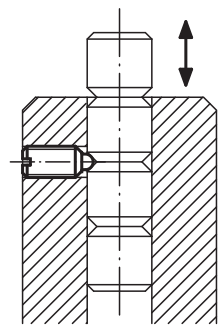


Material:
 Body steel quality class 5.8.
 Ball steel.
 Spring in spring steel class D.

Type:
 Black oxide finish.
 Ball hardened.

Part Number Example:
 K0315.AJ

Application Diagram



KIPP Spring Plungers, ball style, hexagon socket, steel, standard end pressure, inch

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0315.AJ	1/4-28	3,5	15	1	1/8	9	13
K0315.A2	1/4-20	3,5	15	1	1/8	9	13
K0315.A3	5/16-18	5	18	1,5	5/32	15	30
K0315.A4	3/8-16	6	23	2	3/16	20	35
K0315.A5	1/2-13	8	26	2,5	7/32	30	55
K0315.A6	5/8-11	10	33	3,5	5/16	65	125

Spring Plungers

ball style, hexagon socket, steel

KIPP Spring Plungers, ball style, hexagon socket, steel, heavy end pressure, inch

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0315.2AJ	1/4-28	3,5	15	1	1/8	28	40
K0315.2A2	1/4-20	3,5	15	1	1/8	28	40
K0315.2A3	5/16-18	5	18	1,5	5/32	47	73
K0315.2A4	3/8-16	6	23	2	3/16	66	100
K0315.2A5	1/2-13	8	26	2,5	7/32	66	120
K0315.2A6	5/8-11	10	33	3,5	5/16	90	180

KIPP Spring Plungers, ball style, hexagon socket, steel, standard end pressure, metric

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0315.03	M3	1,5	9	0,4	1,5	1,5	3
K0315.04	M4	2,5	10	0,8	2	4	10
K0315.05	M5	3	14	0,9	2,5	6	11
K0315.06	M6	3,5	15	1	3	9	13
K0315.08	M8	5	18	1,5	4	15	30
K0315.10	M10	6	23	2	5	20	35
K0315.12	M12	8	26	2,5	6	30	55
K0315.16	M16	10	33	3,5	8	65	125
K0315.20	M20	12	43	4,5	10	80	160
K0315.24	M24	15	48	5,5	12	90	180

KIPP Spring Plungers, ball style, hexagon socket, steel, heavy end pressure, metric

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0315.203	M3	1,5	9	0,4	1,5	5	7
K0315.204	M4	2,5	10	0,8	2	12	22
K0315.205	M5	3	14	0,9	2,5	19	30
K0315.206	M6	3,5	15	1	3	28	40
K0315.208	M8	5	18	1,5	4	47	73
K0315.210	M10	6	23	2	5	66	100
K0315.212	M12	8	26	2,5	6	66	120
K0315.216	M16	10	33	3,5	8	90	180
K0315.220	M20	12	43	4,5	10	115	240
K0315.224	M24	15	48	5,5	12	130	270

Spring Plungers

ball style, hexagon socket, stainless steel



Material:

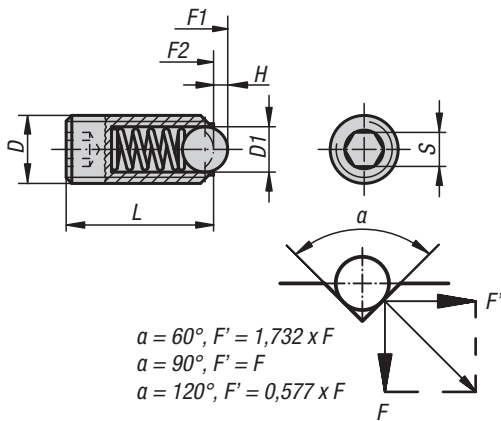
Body in stainless steel 1.4305;
ball in stainless steel 1.4034;
spring in stainless steel 1.4310

Type:

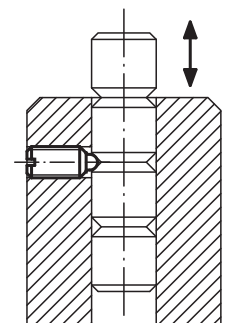
Natural finish. Ball hardened.

Part Number Example:

K0316.210



Application Diagram



KIPP Spring Plungers, ball style, hexagon socket, stainless steel, standard end pressure, inch

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0316.AJ	1/4-28	3,5	15	1	1/8	9	13
K0316.A2	1/4-20	3,5	15	1	1/8	9	13
K0316.A3	5/16-18	5	18	1,5	5/32	15	30
K0316.A4	3/8-16	6	23	2	3/16	20	35
K0316.A5	1/2-13	8	26	2,5	7/32	30	55
K0316.A6	5/8-11	10	33	3,5	5/16	65	125

Spring Plungers

ball style, hexagon socket, stainless steel

KIPP Spring Plungers, ball style, hexagon socket, stainless steel, heavy end pressure, inch

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0316.2AJ	1/4-28	3,5	15	1	1/8	28	40
K0316.2A2	1/4-20	3,5	15	1	1/8	28	40
K0316.2A3	5/16-18	5	18	1,5	5/32	47	73
K0316.2A4	3/8-16	6	23	2	3/16	66	100
K0316.2A5	1/2-13	8	26	2,5	7/32	66	120
K0316.2A6	5/8-11	10	33	3,5	5/16	90	180

KIPP Spring Plungers, ball style, hexagon socket, stainless steel, standard end pressure, metric

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0316.03	M3	1,5	9	0,4	1,5	1,5	3
K0316.04	M4	2,5	10	0,8	2	4	10
K0316.05	M5	3	14	0,9	2,5	6	11
K0316.06	M6	3,5	15	1	3	9	13
K0316.08	M8	5	18	1,5	4	15	30
K0316.10	M10	6	23	2	5	20	35
K0316.12	M12	8	26	2,5	6	30	55
K0316.16	M16	10	33	3,5	8	65	125
K0316.20	M20	12	43	4,5	10	80	160
K0316.24	M24	15	48	5,5	12	90	180

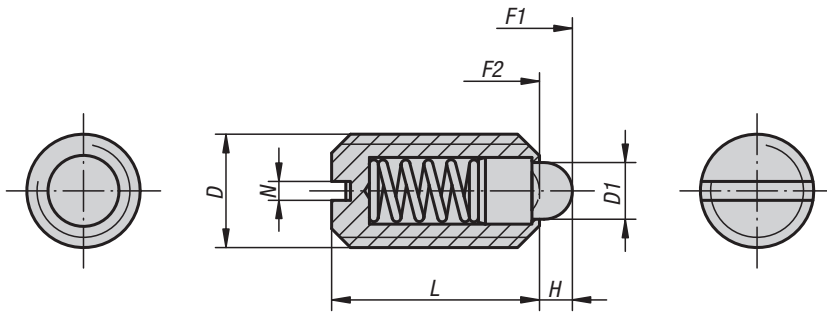
KIPP Spring Plungers, ball style, hexagon socket, stainless steel, heavy end pressure, metric

Item No.	D	D1	L	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0316.203	M3	1,5	9	0,4	1,5	5	7
K0316.204	M4	2,5	10	0,8	2	12	22
K0316.205	M5	3	14	0,9	2,5	19	30
K0316.206	M6	3,5	15	1	3	28	40
K0316.208	M8	5	18	1,5	4	47	73
K0316.210	M10	6	23	2	5	66	100
K0316.212	M12	8	26	2,5	6	66	120
K0316.216	M16	10	33	3,5	8	90	180
K0316.220	M20	12	43	4,5	10	115	240
K0316.224	M24	15	48	5,5	12	130	270

Spring Plungers

pin style, slotted, steel

INCH Parts METRIC Parts



Material:

Body in steel quality class 5.8.
Pressure pin in steel.
Spring in spring steel class D.

Type:

Black oxide finish.
Pressure pin hardened.

Part Number Example:

K0313.AG

KIPP Spring Plungers, pin style, slotted, steel, standard end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0313.AG	8-36	1,8	9	1,5	0,6	6	20
K0313.AE	8-32	1,8	9	1,5	0,6	6	20
K0313.A1	10-32	2,4	12	2	0,8	6	20
K0313.AJ	1/4-28	2,7	14	2	1	7	20
K0313.A2	1/4-20	2,7	14	2	1	7	20
K0313.A3	5/16-18	4	16	2	1,2	15	30
K0313.A4	3/8-16	4,5	19	2,5	1,6	20	35
K0313.A5	1/2-13	6	22	3,5	2	30	55
K0313.A6	5/8-11	8,5	24	4,5	2,5	45	100

Spring Plungers

pin style, slotted, steel



KIPP Spring Plungers, pin style, slotted, steel, light end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0313.1AG	8-36	1,8	9	1,5	0,6	2	7
K0313.1AE	8-32	1,8	9	1,5	0,6	3	10
K0313.1A1	10-32	2,4	12	2	0,8	3	10
K0313.1AJ	1/4-28	2,7	14	2	1	3	9
K0313.1A2	1/4-20	2,7	14	2	1	4	10
K0313.1A3	5/16-18	4	16	2	1,2	7	15
K0313.1A4	3/8-16	4,5	19	2,5	1,6	9	16
K0313.1A5	1/2-13	6	22	3,5	2	14	26
K0313.1A6	5/8-11	8,5	24	4,5	2,5	22	50

KIPP Spring Plungers, pin style, slotted, steel, standard end pressure, metric

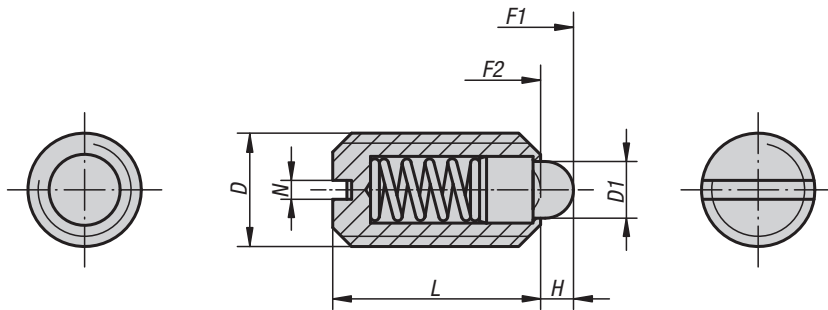
Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0313.04	M4	1,8	9	1,5	0,6	6	20
K0313.05	M5	2,4	12	2	0,8	6	20
K0313.06	M6	2,7	14	2	1	7	20
K0313.08	M8	4	16	2	1,2	15	30
K0313.10	M10	4,5	19	2,5	1,6	20	35
K0313.12	M12	6	22	3,5	2	30	55
K0313.16	M16	8,5	24	4,5	2,5	45	100
K0313.20	M20	10	30	6,5	2,5	60	120

KIPP Spring Plungers, pin style, slotted, steel, light end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0313.104	M4	1,8	9	1,5	0,6	3	10
K0313.105	M5	2,4	12	2	0,8	3	10
K0313.106	M6	2,7	14	2	1	4	10
K0313.108	M8	4	16	2	1,2	7	15
K0313.110	M10	4,5	19	2,5	1,6	9	16
K0313.112	M12	6	22	3,5	2	14	26
K0313.116	M16	8,5	24	4,5	2,5	22	50
K0313.120	M20	10	30	6,5	2,5	30	60

Spring Plungers

pin style, slotted, stainless steel



Material:

Body in stainless steel 1.4305;
pressure pin in stainless steel 1.4034;
spring in stainless steel 1.4310

Type:

Body natural finish,
pressure pin hardened

Part Number Example:

K0314.AG

KIPP Spring Plungers, pin style, slotted, stainless steel, standard end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0314.AG	8-36	1,8	9	1,5	0,6	6	20
K0314.AE	8-32	1,8	9	1,5	0,6	6	20
K0314.A1	10-32	2,4	12	2	0,8	6	20
K0314.AJ	1/4-28	2,7	14	2	1	7	20
K0314.A2	1/4-20	2,7	14	2	1	7	20
K0314.A3	5/16-18	4	16	2	1,2	15	30
K0314.A4	3/8-16	4,5	19	2,5	1,6	20	35
K0314.A5	1/2-13	6	22	3,5	2	30	55
K0314.A6	5/8-11	8,5	24	4,5	2,5	45	100

Spring Plungers

pin style, slotted, stainless steel



KIPP Spring Plungers, pin style, slotted, stainless steel, light end pressure, inch

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0314.1AG	8-36	1,8	9	1,5	0,6	2	7
K0314.1AE	8-32	1,8	9	1,5	0,6	3	10
K0314.1A1	10-32	2,4	12	2	0,8	3	10
K0314.1AJ	1/4-28	2,7	14	2	1	3	9
K0314.1A2	1/4-20	2,7	14	2	1	4	10
K0314.1A3	5/16-18	4	16	2	1,2	7	15
K0314.1A4	3/8-16	4,5	19	2,5	1,6	9	16
K0314.1A5	1/2-13	6	22	3,5	2	14	26
K0314.1A6	5/8-11	8,5	24	4,5	2,5	22	50

KIPP Spring Plungers, pin style, slotted, stainless steel, standard end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0314.04	M4	1,8	9	1,5	0,6	6	20
K0314.05	M5	2,4	12	2	0,8	6	20
K0314.06	M6	2,7	14	2	1	7	20
K0314.08	M8	4	16	2	1,2	15	30
K0314.10	M10	4,5	19	2,5	1,6	20	35
K0314.12	M12	6	22	3,5	2	30	55
K0314.16	M16	8,5	24	4,5	2,5	45	100
K0314.20	M20	10	30	6,5	2,5	60	120

KIPP Spring Plungers, pin style, slotted, stainless steel, light end pressure, metric

Item No.	D	D1	L	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0314.104	M4	1,8	9	1,5	0,6	3	10
K0314.105	M5	2,4	12	2	0,8	3	10
K0314.106	M6	2,7	14	2	1	4	10
K0314.108	M8	4	16	2	1,2	7	15
K0314.110	M10	4,5	19	2,5	1,6	9	16
K0314.112	M12	6	22	3,5	2	14	26
K0314.116	M16	8,5	24	4,5	2,5	22	50
K0314.120	M20	10	30	6,5	2,5	30	60

Spring Plungers

pin style, hexagon socket, steel pin

INCH
Parts



Material:

Body in steel quality class 5.8.
Pressure pin in steel.
Spring in spring steel class D.

Type:

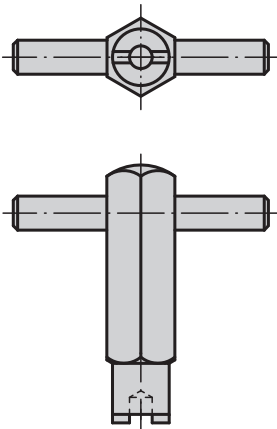
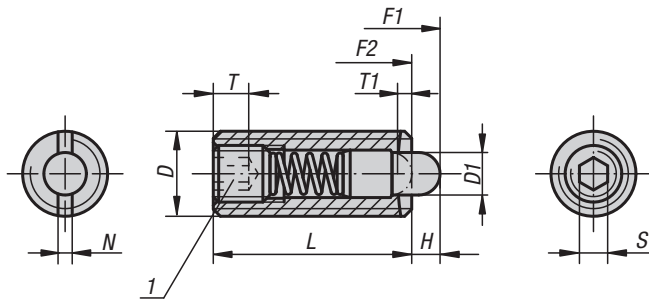
Black oxide finish.
Pressure pin hardened.

Part Number Example:

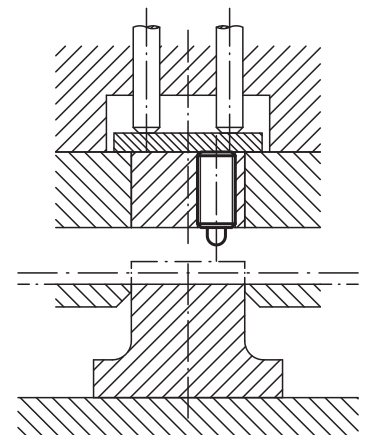
K0317.AD

Drawing reference:

1) grub screw glued in



Application Diagram



KIPP Spring Plungers, pin style, hexagon socket, steel pin, standard end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.AD	6-32	1	10	1,5	1,5	1	0,4	0,035	0,5	3	K0317.903
K0317.AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0317.AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0317.A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	6	20	K0317.905
K0317.AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	7	20	K0317.906
K0317.A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	7	20	K0317.906
K0317.A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	9	35	K0317.908
K0317.A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	9	35	K0317.910
K0317.A5	1/2-13	6	28	4	5	2	2	5/32	12	55	K0317.912
K0317.A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	45	100	K0317.916

Spring Plungers

pin style, hexagon socket, steel pin



KIPP Spring Plungers, pin style, hexagon socket, steel pin, light end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.1AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	2	7	K0317.904
K0317.1AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	2	7	K0317.904
K0317.1A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	3	10	K0317.905
K0317.1AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	3	9	K0317.906
K0317.1A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	3	9	K0317.906
K0317.1A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	4	16	K0317.908
K0317.1A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	4	16	K0317.910
K0317.1A5	1/2-13	6	28	4	5	2	2	5/32	5	27	K0317.912
K0317.1A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	20	45	K0317.916

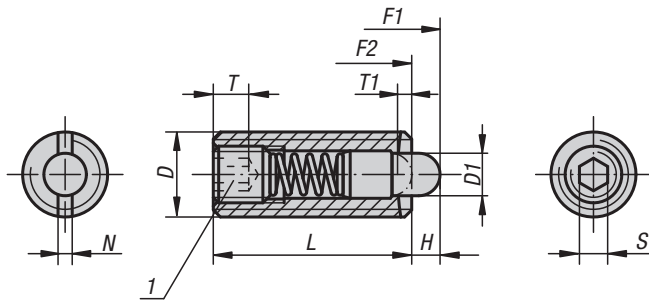
KIPP Spring Plungers, pin style, hexagon socket, steel pin, heavy end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.2A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	11	29	K0317.905
K0317.2AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	14	37	K0317.906
K0317.2A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	14	37	K0317.906
K0317.2A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	22	65	K0317.908
K0317.2A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	19	70	K0317.910
K0317.2A5	1/2-13	6	28	4	5	2	2	5/32	25	85	K0317.912
K0317.2A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	60	150	K0317.916

Spring Plungers

pin style, hexagon socket, steel pin

METRIC
Parts

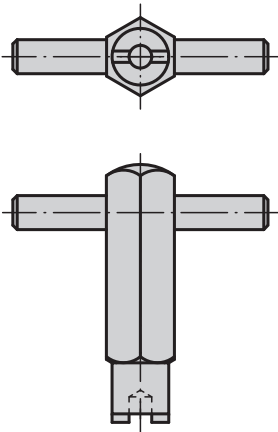


Material:
Body in steel quality class 5.8.
Pressure pin in steel.
Spring in spring steel class D.

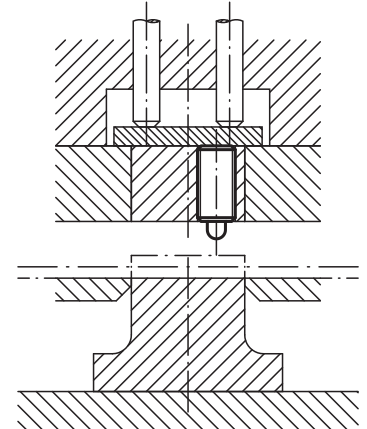
Type:
Black oxide finish.
Pressure pin hardened.

Part Number Example:
K0317.03

Drawing reference:
1) grub screw glued in



Application Diagram



KIPP Spring Plungers, pin style, hexagon socket, steel pin, standard end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.03	M3	1	10	1,5	1,5	1	0,4	0,7	0,5	3	K0317.903
K0317.04	M4	1,5	15	1,5	2	0,6	0,6	1,3	5	16	K0317.904
K0317.05	M5	2,4	18	2,3	2	0,8	0,8	1,5	6	20	K0317.905
K0317.06	M6	2,7	20	2,5	2,5	1	1	2	7	20	K0317.906
K0317.08	M8	3,5	22	3	3	1,4	1,2	2,5	9	35	K0317.908
K0317.10	M10	4	22	3	3,5	1,4	1,6	3	9	35	K0317.910
K0317.12	M12	6	28	4	5	2	2	4	12	55	K0317.912
K0317.16	M16	7,5	32	5	6	2,5	2,5	5	45	100	K0317.916
K0317.20	M20	10	40	7	8	3	2,5	6	60	120	-
K0317.24	M24	12	52	10	10	3	2,5	8	80	160	-

Spring Plungers

pin style, hexagon socket, steel pin



KIPP Spring Plungers, pin style, hexagon socket, steel pin, light end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.104	M4	1,5	15	1,5	2	0,6	0,6	1,3	2	7	K0317.904
K0317.105	M5	2,4	18	2,3	2	0,8	0,8	1,5	3	10	K0317.905
K0317.106	M6	2,7	20	2,5	2,5	1	1	2	3	9	K0317.906
K0317.108	M8	3,5	22	3	3	1,4	1,2	2,5	4	16	K0317.908
K0317.110	M10	4	22	3	3,5	1,4	1,6	3	4	16	K0317.910
K0317.112	M12	6	28	4	5	2	2	4	5	27	K0317.912
K0317.116	M16	7,5	32	5	6	2,5	2,5	5	20	45	K0317.916

KIPP Spring Plungers, pin style, hexagon socket, steel pin, heavy end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0317.205	M5	2,4	18	2,3	2	0,8	0,8	1,5	11	29	K0317.905
K0317.206	M6	2,7	20	2,5	2,5	1	1	2	14	37	K0317.906
K0317.208	M8	3,5	22	3	3	1,4	1,2	2,5	22	65	K0317.908
K0317.210	M10	4	22	3	3,5	1,4	1,6	3	19	70	K0317.910
K0317.212	M12	6	28	4	5	2	2	4	25	85	K0317.912
K0317.216	M16	7,5	32	5	6	2,5	2,5	5	60	150	K0317.916
K0317.220	M20	10	40	7	8	3	2,5	6	75	190	-
K0317.224	M24	12	52	10	10	3	2,5	8	95	240	-

Spring Plungers

pin style, hexagon socket, plastic pin

INCH Parts METRIC Parts

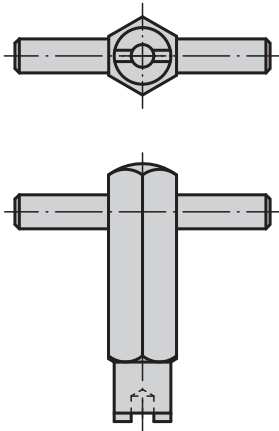
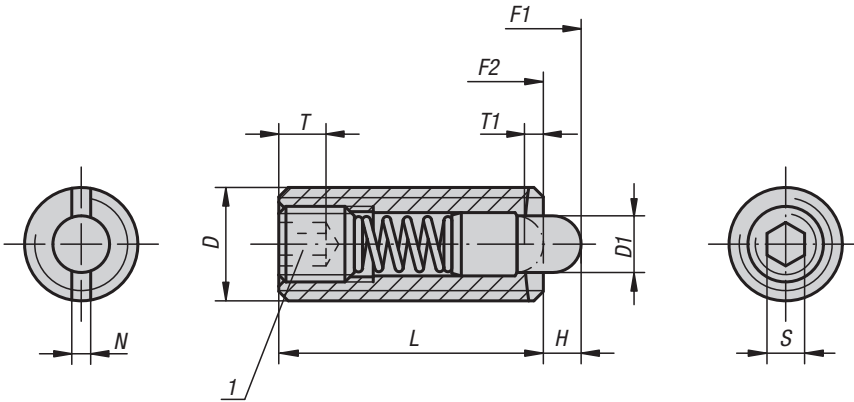


Material:
 Body steel quality class 5.8.
 Pressure pin POM.
 Spring spring steel class D.

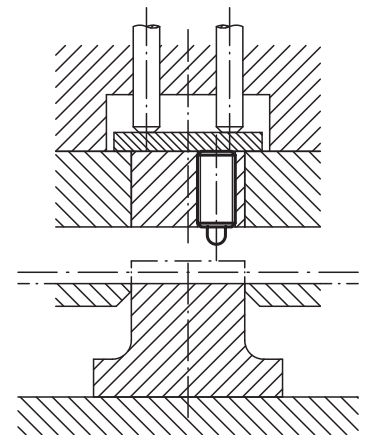
Type:
 Black oxide finish.

Part Number Example:
 K0318.AD

Drawing reference:
 1) grub screw glued in



Application Diagram



KIPP Spring Plungers, pin style, hexagon socket, plastic pin, standard end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0318.AD	6-32	1	10	1,5	1,5	1	0,4	0,035	0,5	3	K0317.903
K0318.AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0318.AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0318.A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	6	20	K0317.905
K0318.AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	7	20	K0317.906
K0318.A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	7	20	K0317.906
K0318.A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	9	35	K0317.908
K0318.A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	9	35	K0317.910
K0318.A5	1/2-13	6	28	4	5	2	2	5/32	12	55	K0317.912
K0318.A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	45	100	K0317.916

Spring Plungers

pin style, hexagon socket, plastic pin

KIPP Spring Plungers, pin style, hexagon socket, plastic pin, light end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0318.1AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	2	7	K0317.904
K0318.1AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	2	7	K0317.904
K0318.1A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	3	10	K0317.905
K0318.1AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	3	9	K0317.906
K0318.1A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	3	9	K0317.906
K0318.1A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	4	16	K0317.908
K0318.1A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	4	16	K0317.910
K0318.1A5	1/2-13	6	28	4	5	2	2	5/32	5	27	K0317.912
K0318.1A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	20	45	K0317.916

KIPP Spring Plungers, pin style, hexagon socket, plastic pin, standard end pressure, metric

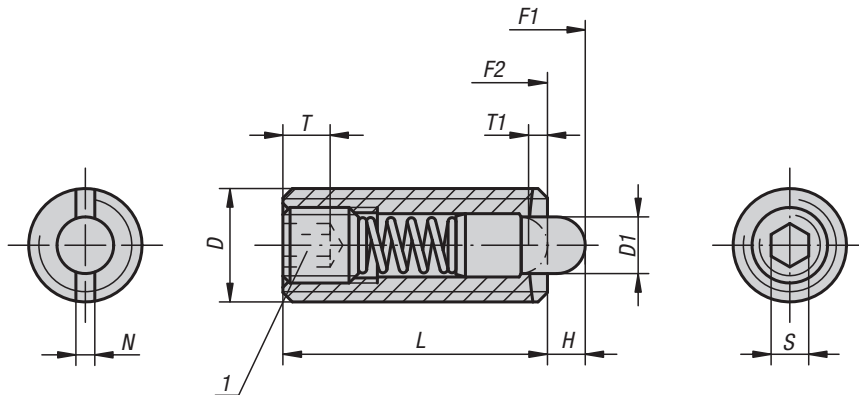
Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0318.03	M3	1	10	1,5	1,5	1	0,4	0,7	0,5	3	K0317.903
K0318.04	M4	1,5	15	1,5	2	0,6	0,6	1,3	5	16	K0317.904
K0318.05	M5	2,4	18	2,3	2	0,8	0,8	1,5	6	20	K0317.905
K0318.06	M6	2,7	20	2,5	2,5	1	1	2	7	20	K0317.906
K0318.08	M8	3,5	22	3	3	1,4	1,2	2,5	9	35	K0317.908
K0318.10	M10	4	22	3	3,5	1,4	1,6	3	9	35	K0317.910
K0318.12	M12	6	28	4	5	2	2	4	12	55	K0317.912
K0318.16	M16	7,5	32	5	6	2,5	2,5	5	45	100	K0317.916

KIPP Spring Plungers, pin style, hexagon socket, plastic pin, light end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0318.104	M4	1,5	15	1,5	2	0,6	0,6	1,3	2	7	K0317.904
K0318.105	M5	2,4	18	2,3	2	0,8	0,8	1,5	3	10	K0317.905
K0318.106	M6	2,7	20	2,5	2,5	1	1	2	3	9	K0317.906
K0318.108	M8	3,5	22	3	3	1,4	1,2	2,5	4	16	K0317.908
K0318.110	M10	4	22	3	3,5	1,4	1,6	3	4	16	K0317.910
K0318.112	M12	6	28	4	5	2	2	4	5	27	K0317.912
K0318.116	M16	7,5	32	5	6	2,5	2,5	5	20	45	K0317.916

Spring Plungers

pin style, hexagon socket, stainless steel body and pin



Material:

Body in stainless steel 1.4305;
pressure pin in stainless steel 1.4034;
spring in stainless steel 1.4310

Type:

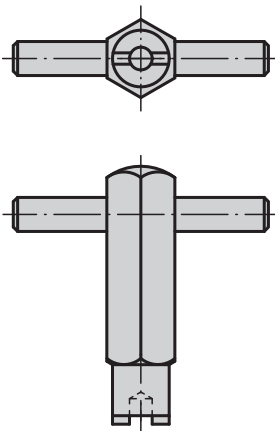
Body natural finish,
pressure pin hardened

Part Number Example:

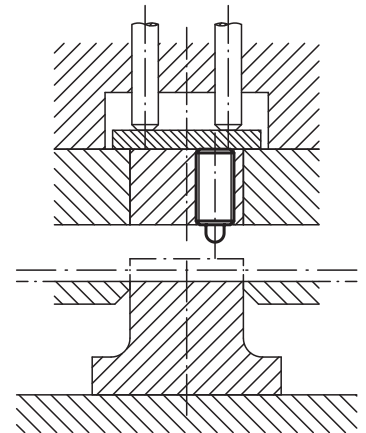
K0319.AG

Drawing reference:

1) grub screw glued in



Application Diagram



KIPP Spring Plungers, pin style, hexagon socket, stainless steel body and pin, standard end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0319.AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0319.AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0319.A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	5	17	K0317.905
K0319.AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	6	17	K0317.906
K0319.A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	6	17	K0317.906
K0319.A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	7	29	K0317.908
K0319.A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	8	31	K0317.910
K0319.A5	1/2-13	6	28	4	5	2	2	5/32	10	47	K0317.912
K0319.A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	45	100	K0317.916

Spring Plungers

pin style, hexagon socket, stainless steel body and pin



KIPP Spring Plungers, pin style, hexagon socket, stainless steel body and pin, standard end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0319.03	M3	1	10	1,5	1,5	1	0,4	0,7	0,5	3	K0317.903
K0319.04	M4	1,5	15	1,5	2	0,6	0,6	1,3	5	16	K0317.904
K0319.05	M5	2,4	18	2,3	2	0,8	0,8	1,5	5	17	K0317.905
K0319.06	M6	2,7	20	2,5	2,5	1	1	2	6	17	K0317.906
K0319.08	M8	3,5	22	3	3	1,4	1,2	2,5	7	29	K0317.908
K0319.10	M10	4	22	3	3,5	1,4	1,6	3	8	31	K0317.910
K0319.12	M12	6	28	4	5	2	2	4	10	47	K0317.912
K0319.16	M16	7,5	32	5	6	2,5	2,5	5	45	100	K0317.916

KIPP Spring Plungers, pin style, hexagon socket, stainless steel body and pin, heavy end pressure, metric

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0319.205	M5	2,4	18	2,3	2	0,8	0,8	1,5	9	26	K0317.905
K0319.206	M6	2,7	20	2,5	2,5	1	1	2	11	35	K0317.906
K0319.208	M8	3,5	22	3	3	1,4	1,2	2,5	15	48	K0317.908
K0319.210	M10	4	22	3	3,5	1,4	1,6	3	15	58	K0317.910
K0319.212	M12	6	28	4	5	2	2	4	19	74	K0317.912

Spring Plungers

pin style, hexagon socket, stainless steel body and POM pin



Material:

Body in stainless steel 1.4305;
pressure pin in POM;
spring in stainless steel 1.4310

Type:

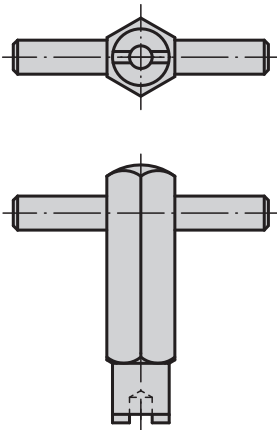
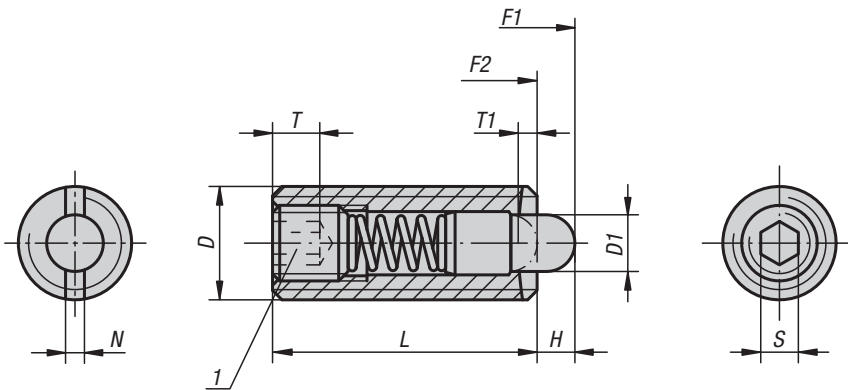
Natural finish.

Part Number Example:

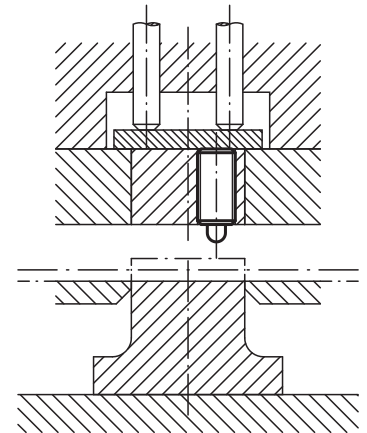
K0320.A6

Drawing reference:

1) grub screw glued in



Application Diagram



KIPP Spring Plungers, pin style, hexagon socket, stainless steel body, POM pin, standard end pressure, inch

Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0320.AG	8-36	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0320.AE	8-32	1,5	15	1,5	2	0,6	0,6	0,050	5	16	K0317.904
K0320.A1	10-32	2,4	18	2,3	2	0,8	0,8	1/16	5	17	K0317.905
K0320.AJ	1/4-28	2,7	20	2,5	2,5	1	1	5/64	6	17	K0317.906
K0320.A2	1/4-20	2,7	20	2,5	2,5	1	1	5/64	6	17	K0317.906
K0320.A3	5/16-18	3,5	22	3	3	1,4	1,2	3/32	7	29	K0317.908
K0320.A4	3/8-16	4	22	3	3,5	1,4	1,6	1/8	8	31	K0317.910
K0320.A5	1/2-13	6	28	4	5	2	2	5/32	10	47	K0317.912
K0320.A6	5/8-11	7,5	32	5	6	2,5	2,5	3/16	45	100	K0317.916

Spring Plungers

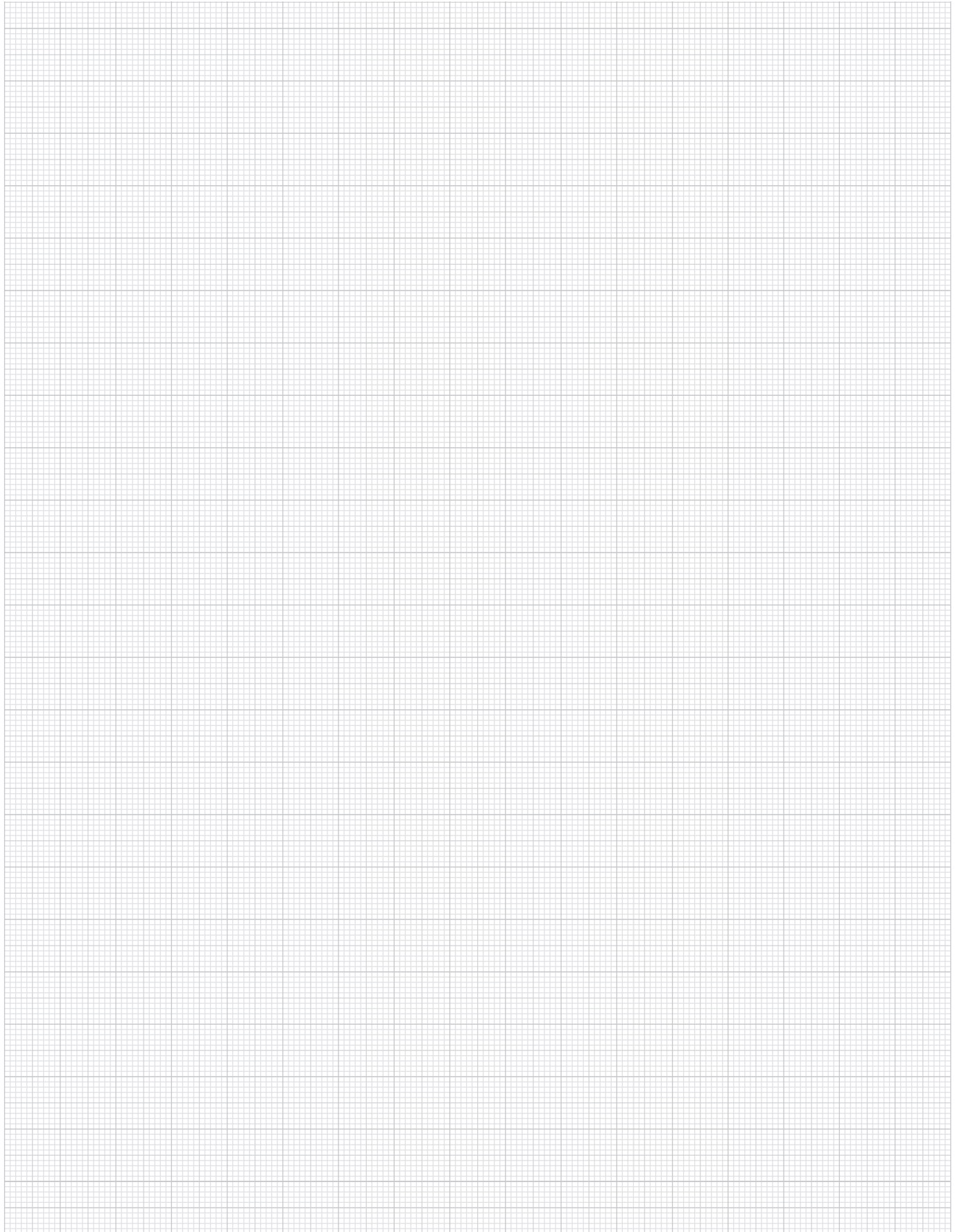
pin style, hexagon socket, stainless steel body and POM pin



KIPP Spring Plungers, pin style, hexagon socket, stainless steel body, POM pin, standard end pressure, metric

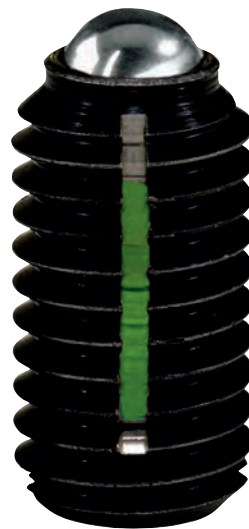
Item No.	D	D1	L	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. Assembly key
K0320.03	M3	1	10	1,5	1,5	1	0,4	0,7	0,5	3	K0317.903
K0320.04	M4	1,5	15	1,5	2	0,6	0,6	1,3	5	16	K0317.904
K0320.05	M5	2,4	18	2,3	2	0,8	0,8	1,5	5	17	K0317.905
K0320.06	M6	2,7	20	2,5	2,5	1	1	2	6	17	K0317.906
K0320.08	M8	3,5	22	3	3	1,4	1,2	2,5	7	29	K0317.908
K0320.10	M10	4	22	3	3,5	1,4	1,6	3	8	31	K0317.910
K0320.12	M12	6	28	4	5	2	2	4	10	47	K0317.912
K0320.16	M16	7,5	32	5	6	2,5	2,5	5	45	100	K0317.916

Notes:



Spring Plungers with LONG-LOK thread system

**INTRODUCING
LONG-LOK,
the most advanced
locking thread
system**



LONG-LOK Advantages:

1. Vibration Resistant

The integrated LONG-LOK thread system secures Spring Plungers effectively and economically.

No loosening or falling out after impact or vibrations.

2. Greater Holding Force

As LONG-LOK threads are inserted into a tapped hole, in a clockwise direction, the advanced locking system begins to expand in the opposite direction.

This expansion creates a high degree of resistance or holding force which in turn requires a great deal of torque to loosen.

3. Secure in Every Position

The LONG-LOK system allows a plunger to be secured in any position, within the threaded hole.

4. Save Assembly Time and Cost

The LONG-LOK thread system does not require any additional components. This will improve assembly time, lower cost and reduce your required storage space.

5. For Repeated Use

When using the LONG-LOK system for the first time, it will require a slightly higher tightening torque. After repeated use, the torque value remains nearly constant for approximately 20 uses.

6. Wide variety of solutions

M3 to M16 or 6-32 to 5/8-11, light pressure to high pressure, steel or stainless steel, KIPP LONG-LOK Plungers will perform in any application.



Spring Plungers

LONG-LOK, ball style, slotted, steel



INCH Parts METRIC Parts

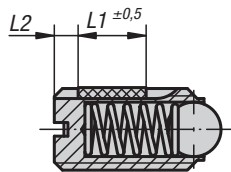
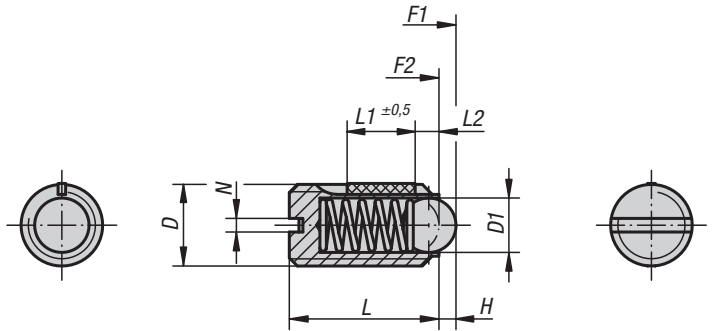
Material:
 Body in steel quality class 5.8.
 Ball in steel.
 Spring in spring steel class D.

LONG-LOK thread system nylon

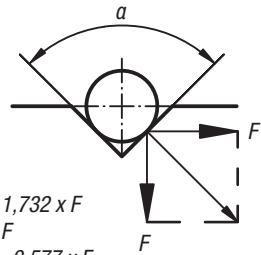
Type:
 Black oxide finish.
 Ball hardened.

Part Number Example:
 K0321.AD

Drawing reference:
 L2 = approx. 2x thread pitch



D = M3, M4, M5, M6
 6-32, 8-36, 8-32, 10-32,
 1/4-28, 1/4-20



$\alpha = 60^\circ, F' = 1,732 \times F$
 $\alpha = 90^\circ, F' = F$
 $\alpha = 120^\circ, F' = 0,577 \times F$

KIPP Spring Plungers, LONG-LOK, ball style, slotted, steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0321.AD	6-32	1,5	7	4	0,4	0,4	1,5	3	0,1	0,07
K0321.AG	8-36	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0321.AE	8-32	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0321.A1	10-32	3	12	6	0,9	0,8	6	11	0,12	0,08
K0321.AJ	1/4-28	3,5	14	7	1	1	9	13	0,43	0,21
K0321.A2	1/4-20	3,5	14	7	1	1	9	13	0,43	0,21
K0321.A3	5/16-18	5	16	8	1,5	1,2	15	30	1,09	0,37
K0321.A4	3/8-16	6	19	9	2	1,6	20	35	1,36	0,62
K0321.A5	1/2-13	8	22	10	2,5	2	30	55	2,03	1,36
K0321.A6	5/8-11	10	24	14	3,5	2,5	65	125	3,95	2,95

Spring Plungers

LONG-LOK, ball style, slotted, steel



KIPP Spring Plungers, LONG-LOK, ball style, slotted, steel, heavy end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0321.2A1	10-32	3	12	6	0,9	0,8	19	30	0,12	0,08
K0321.2AJ	1/4-28	3,5	14	7	1	1	28	40	0,43	0,21
K0321.2A2	1/4-20	3,5	14	7	1	1	28	40	0,43	0,21
K0321.2A3	5/16-18	5	16	8	1,5	1,2	47	73	1,09	0,37
K0321.2A4	3/8-16	6	19	9	2	1,6	66	100	1,36	0,62
K0321.2A5	1/2-13	8	22	10	2,5	2	66	120	2,03	1,36
K0321.2A6	5/8-11	10	24	14	3,5	2,5	90	180	3,95	2,95

KIPP Spring Plungers, LONG-LOK, ball style, slotted, steel, standard end pressure, metric

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0321.03	M3	1,5	7	4	0,4	0,4	1,5	3	0,1	0,07
K0321.04	M4	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0321.05	M5	3	12	6	0,9	0,8	6	11	0,12	0,08
K0321.06	M6	3,5	14	7	1	1	9	13	0,43	0,21
K0321.08	M8	5	16	8	1,5	1,2	15	30	1,09	0,37
K0321.10	M10	6	19	9	2	1,6	20	35	1,36	0,62
K0321.12	M12	8	22	10	2,5	2	30	55	2,03	1,36
K0321.16	M16	10	24	14	3,5	2,5	65	125	3,95	2,95

KIPP Spring Plungers, LONG-LOK, ball style, slotted, steel, heavy end pressure, metric

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0321.203	M3	1,5	7	4	0,4	0,4	5	7	0,1	0,07
K0321.204	M4	2,5	9	5	0,8	0,6	12	22	0,18	0,12
K0321.205	M5	3	12	6	0,9	0,8	19	30	0,12	0,08
K0321.206	M6	3,5	14	7	1	1	28	40	0,43	0,21
K0321.208	M8	5	16	8	1,5	1,2	47	73	1,09	0,37
K0321.210	M10	6	19	9	2	1,6	66	100	1,36	0,62
K0321.212	M12	8	22	10	2,5	2	66	120	2,03	1,36
K0321.216	M16	10	24	14	3,5	2,5	90	180	3,95	2,95

Spring Plungers

LONG-LOK, ball style, slotted, stainless steel



Material:

Body stainless steel 1.4305;
ball stainless steel 1.4034;
spring stainless steel 1.4310

LONG-LOK thread system in nylon

Type:

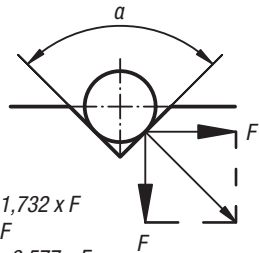
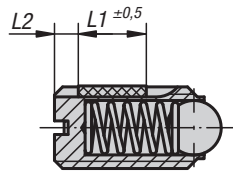
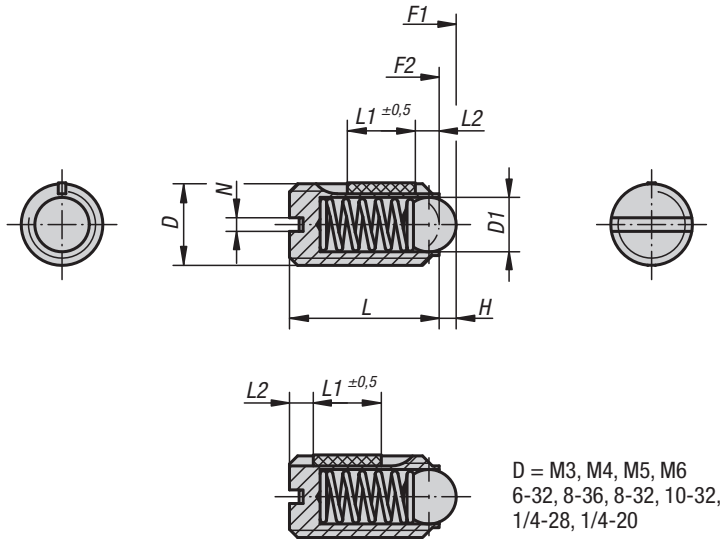
Natural finish. Ball hardened.

Part Number Example:

K0322.AD

Drawing reference:

L2 = approx. 2x thread pitch



KIPP Spring Plungers, LONG-LOK, ball style, slotted, stainless steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0322.AD	6-32	1,5	7	4	0,4	0,4	1,5	3	0,1	0,07
K0322.AG	8-36	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0322.AE	8-32	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0322.A1	10-32	3	12	6	0,9	0,8	6	11	0,12	0,08
K0322.AJ	1/4-28	3,5	14	7	1	1	9	13	0,43	0,21
K0322.A2	1/4-20	3,5	14	7	1	1	9	13	0,43	0,21
K0322.A3	5/16-18	5	16	8	1,5	1,2	15	30	1,09	0,37
K0322.A4	3/8-16	6	19	9	2	1,6	20	35	1,36	0,62
K0322.A5	1/2-13	8	22	10	2,5	2	30	55	2,03	1,36
K0322.A6	5/8-11	10	24	14	3,5	2,5	65	125	3,95	2,95

Spring Plungers

LONG-LOK, ball style, slotted, stainless steel



KIPP Spring Plungers, LONG-LOK, ball style, slotted, stainless steel, heavy end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0322.2A1	10-32	3	12	6	0,9	0,8	19	30	0,12	0,08
K0322.2AJ	1/4-28	3,5	14	7	1	1	28	40	0,43	0,21
K0322.2A2	1/4-20	3,5	14	7	1	1	28	40	0,43	0,21
K0322.2A3	5/16-18	5	16	8	1,5	1,2	47	73	1,09	0,37
K0322.2A4	3/8-16	6	19	9	2	1,6	66	100	1,36	0,62
K0322.2A5	1/2-13	8	22	10	2,5	2	66	120	2,03	1,36
K0322.2A6	5/8-11	10	24	14	3,5	2,5	90	180	3,95	2,95

KIPP Spring Plungers, LONG-LOK, ball style, slotted, stainless steel, standard end pressure, metric

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0322.03	M3	1,5	7	4	0,4	0,4	1,5	3	0,1	0,07
K0322.04	M4	2,5	9	5	0,8	0,6	4	10	0,18	0,12
K0322.05	M5	3	12	6	0,9	0,8	6	11	0,12	0,08
K0322.06	M6	3,5	14	7	1	1	9	13	0,43	0,21
K0322.08	M8	5	16	8	1,5	1,2	15	30	1,09	0,37
K0322.10	M10	6	19	9	2	1,6	20	35	1,36	0,62
K0322.12	M12	8	22	10	2,5	2	30	55	2,03	1,36
K0322.16	M16	10	24	14	3,5	2,5	65	125	3,95	2,95

KIPP Spring Plungers, LONG-LOK, ball style, slotted, stainless steel, heavy end pressure, metric

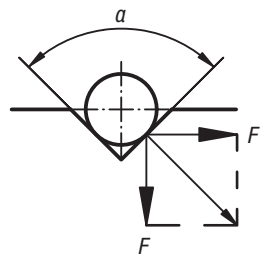
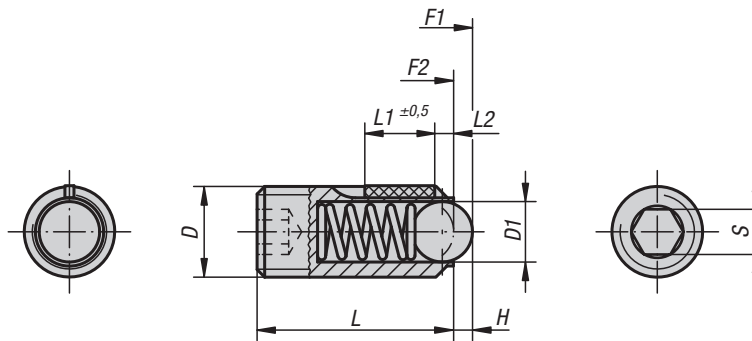
Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0322.203	M3	1,5	7	4	0,4	0,4	5	7	0,1	0,07
K0322.204	M4	2,5	9	5	0,8	0,6	12	22	0,18	0,12
K0322.205	M5	3	12	6	0,9	0,8	19	30	0,12	0,08
K0322.206	M6	3,5	14	7	1	1	28	40	0,43	0,21
K0322.208	M8	5	16	8	1,5	1,2	47	73	1,09	0,37
K0322.210	M10	6	19	9	2	1,6	66	100	1,36	0,62
K0322.212	M12	8	22	10	2,5	2	66	120	2,03	1,36
K0322.216	M16	10	24	14	3,5	2,5	90	180	3,95	2,95

Spring Plungers

LONG-LOK, ball style, hexagon socket, steel



INCH Parts METRIC Parts



$a = 60^\circ, F' = 1,732 \times F$
 $a = 90^\circ, F' = F$
 $a = 120^\circ, F' = 0,577 \times F$

Material:

Body in steel quality class 5.8.
Ball in steel.
Spring in spring steel class D.

LONG-LOK thread system nylon

Type:

Black oxide finish.
Ball hardened.

Part Number Example:

K0325.AJ

Drawing reference:

L2 = approx. 2x thread pitch

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0325.AJ	1/4-28	3,5	15	7	1	1/8	9	13	0,44	0,21
K0325.A2	1/4-20	3,5	15	7	1	1/8	9	13	0,44	0,21
K0325.A3	5/16-18	5	18	8	1,5	5/32	15	30	1,1	0,38
K0325.A4	3/8-16	6	23	9	2	3/16	20	35	1,3	0,6
K0325.A5	1/2-13	8	26	10	2,5	7/32	30	55	2	1,3
K0325.A6	5/8-11	10	33	14	3,5	5/16	65	125	3,9	3

Spring Plungers

LONG-LOK, ball style, hexagon socket, steel



KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, steel, heavy end pressure, inch

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0325.2AJ	1/4-28	3,5	15	7	1	1/8	28	40	0,44	0,21
K0325.2A2	1/4-20	3,5	15	7	1	1/8	28	40	0,44	0,21
K0325.2A3	5/16-18	5	18	8	1,5	5/32	47	73	1,1	0,38
K0325.2A4	3/8-16	6	23	9	2	3/16	66	100	1,3	0,6
K0325.2A5	1/2-13	8	26	10	2,5	7/32	66	120	2	1,3
K0325.2A6	5/8-11	10	33	14	3,5	5/16	90	180	3,9	3

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, steel, standard end pressure, metric

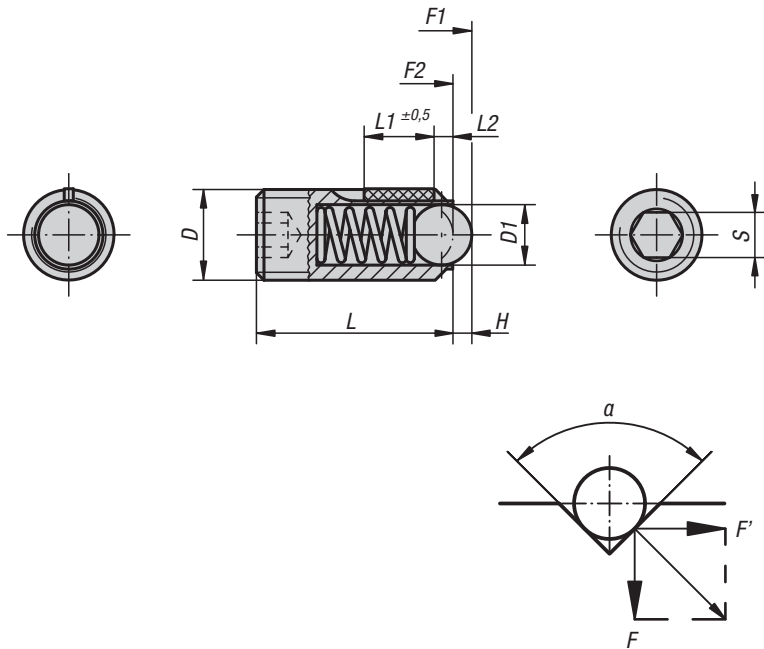
Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0325.03	M3	1,5	9	4	0,4	1,5	1,5	3	0,1	0,07
K0325.04	M4	2,5	10	5	0,8	2	4	10	0,18	0,12
K0325.05	M5	3	14	6	0,9	2,5	6	11	0,12	0,08
K0325.06	M6	3,5	15	7	1	3	9	13	0,44	0,21
K0325.08	M8	5	18	8	1,5	4	15	30	1,1	0,38
K0325.10	M10	6	23	9	2	5	20	35	1,3	0,6
K0325.12	M12	8	26	10	2,5	6	30	55	2	1,3
K0325.16	M16	10	33	14	3,5	8	65	125	3,9	3

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, steel, heavy end pressure, metric

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0325.203	M3	1,5	9	4	0,4	1,5	5	7	0,1	0,07
K0325.204	M4	2,5	10	5	0,8	2	12	22	0,18	0,12
K0325.205	M5	3	14	6	0,9	2,5	19	30	0,12	0,08
K0325.206	M6	3,5	15	7	1	3	28	40	0,44	0,21
K0325.208	M8	5	18	8	1,5	4	47	73	1,1	0,38
K0325.210	M10	6	23	9	2	5	66	100	1,3	0,6
K0325.212	M12	8	26	10	2,5	6	66	120	2	1,3
K0325.216	M16	10	33	14	3,5	8	90	180	3,9	3

Spring Plungers

LONG-LOK, ball style, hexagon socket, stainless steel



$$a = 60^\circ, F' = 1,732 \times F$$

$$a = 90^\circ, F' = F$$

$$a = 120^\circ, F' = 0,577 \times F$$

Material:

Body stainless steel 1.4305;
ball stainless steel 1.4034;
spring stainless steel 1.4310

LONG-LOK thread system in nylon

Type:

Natural finish. Ball hardened.

Part Number Example:

K0326.A2

Drawing reference:

L2 = approx. 2x thread pitch

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, stainless steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0326.AJ	1/4-28	3,5	15	7	1	1/8	9	13	0,44	0,21
K0326.A2	1/4-20	3,5	15	7	1	1/8	9	13	0,44	0,21
K0326.A3	5/16-18	5	18	8	1,5	5/32	15	30	1,1	0,38
K0326.A4	3/8-16	6	23	9	2	3/16	20	35	1,3	0,6
K0326.A5	1/2-13	8	26	10	2,5	7/32	30	55	2	1,3
K0326.A6	5/8-11	10	33	14	3,5	5/16	65	125	3,9	3

Spring Plungers

LONG-LOK, ball style, hexagon socket, stainless steel



KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, stainless steel, heavy end pressure, inch

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0326.2AJ	1/4-28	3,5	15	7	1	1/8	28	40	0,44	0,21
K0326.2A2	1/4-20	3,5	15	7	1	1/8	28	40	0,44	0,21
K0326.2A3	5/16-18	5	18	8	1,5	5/32	47	73	1,1	0,38
K0326.2A4	3/8-16	6	23	9	2	3/16	66	100	1,3	0,6
K0326.2A5	1/2-13	8	26	10	2,5	7/32	66	120	2	1,3
K0326.2A6	5/8-11	10	33	14	3,5	5/16	90	180	3,9	3

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, stainless steel, standard end pressure, metric

Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0326.03	M3	1,5	9	4	0,4	1,5	1,5	3	0,1	0,07
K0326.04	M4	2,5	10	5	0,8	2	4	10	0,18	0,12
K0326.05	M5	3	14	6	0,9	2,5	6	11	0,12	0,08
K0326.06	M6	3,5	15	7	1	3	9	13	0,44	0,21
K0326.08	M8	5	18	8	1,5	4	15	30	1,1	0,38
K0326.10	M10	6	23	9	2	5	20	35	1,3	0,6
K0326.12	M12	8	26	10	2,5	6	30	55	2	1,3
K0326.16	M16	10	33	14	3,5	8	65	125	3,9	3

KIPP Spring Plungers, LONG-LOK, ball style, hexagon socket, stainless steel, heavy end pressure, metric

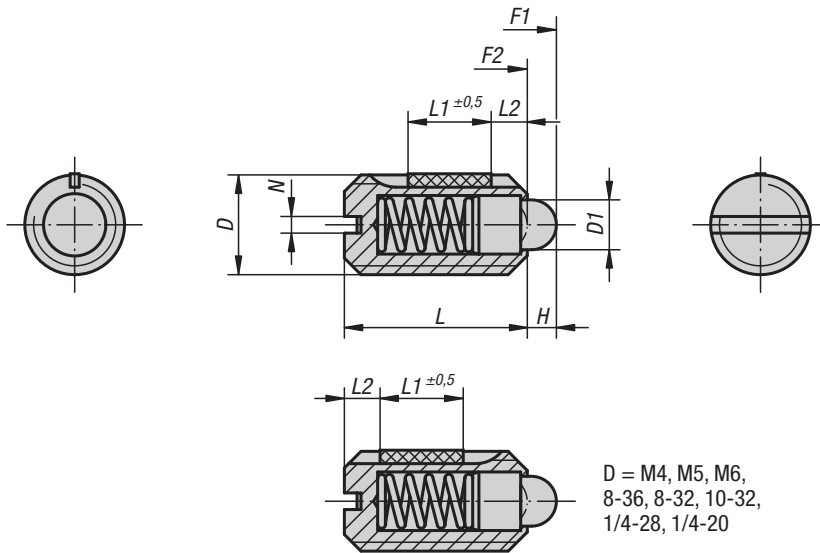
Item No.	D	D1	L	L1	H	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0326.203	M3	1,5	9	4	0,4	1,5	5	7	0,1	0,07
K0326.204	M4	2,5	10	5	0,8	2	12	22	0,18	0,12
K0326.205	M5	3	14	6	0,9	2,5	19	30	0,12	0,08
K0326.206	M6	3,5	15	7	1	3	28	40	0,44	0,21
K0326.208	M8	5	18	8	1,5	4	47	73	1,1	0,38
K0326.210	M10	6	23	9	2	5	66	100	1,3	0,6
K0326.212	M12	8	26	10	2,5	6	66	120	2	1,3
K0326.216	M16	10	33	14	3,5	8	90	180	3,9	3

Spring Plungers

LONG-LOK, pin style, slotted, steel



INCH Parts METRIC Parts



Material:

Body in steel quality class 5.8.
Pressure pin in steel.
Spring steel class D.

LONG-LOK thread system nylon.

Type:

Black oxide finish.
Pressure pin hardened.

Part Number Example:

K0323.AG

Drawing reference:

L2 = approx. 2x thread pitch

KIPP Spring Plungers, LONG-LOK, pin style, slotted, steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0323.AG	8-36	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0323.AE	8-32	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0323.A1	10-32	2,4	12	6	2	0,8	6	20	0,12	0,08
K0323.AJ	1/4-28	2,7	14	7	2	1	7	20	0,44	0,21
K0323.A2	1/4-20	2,7	14	7	2	1	7	20	0,44	0,21
K0323.A3	5/16-18	4	16	8	2	1,2	15	30	1,1	0,38
K0323.A4	3/8-16	4,5	19	9	2,5	1,6	20	35	1,36	0,62
K0323.A5	1/2-13	6	22	10	3,5	2	30	55	2,11	1,41
K0323.A6	5/8-11	8,5	24	14	4,5	2,5	45	100	3,95	3,05

Spring Plungers

LONG-LOK, pin style, slotted, steel



KIPP Spring Plungers, LONG-LOK, pin style, slotted, steel, light end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0323.1AG	8-36	1,8	9	5	1,5	0,6	2	7	0,18	0,12
K0323.1AE	8-32	1,8	9	5	1,5	0,6	3	10	0,18	0,12
K0323.1A1	10-32	2,4	12	6	2	0,8	3	10	0,12	0,08
K0323.1AJ	1/4-28	2,7	14	7	2	1	3	9	0,44	0,21
K0323.1A2	1/4-20	2,7	14	7	2	1	4	10	0,44	0,21
K0323.1A3	5/16-18	4	16	8	2	1,2	7	15	1,1	0,38
K0323.1A4	3/8-16	4,5	19	9	2,5	1,6	9	16	1,36	0,62
K0323.1A5	1/2-13	6	22	10	3,5	2	14	26	2,11	1,41
K0323.1A6	5/8-11	8,5	24	14	4,5	2,5	22	50	3,95	3,05

KIPP Spring Plungers, LONG-LOK, pin style, slotted, steel, standard end pressure, metric

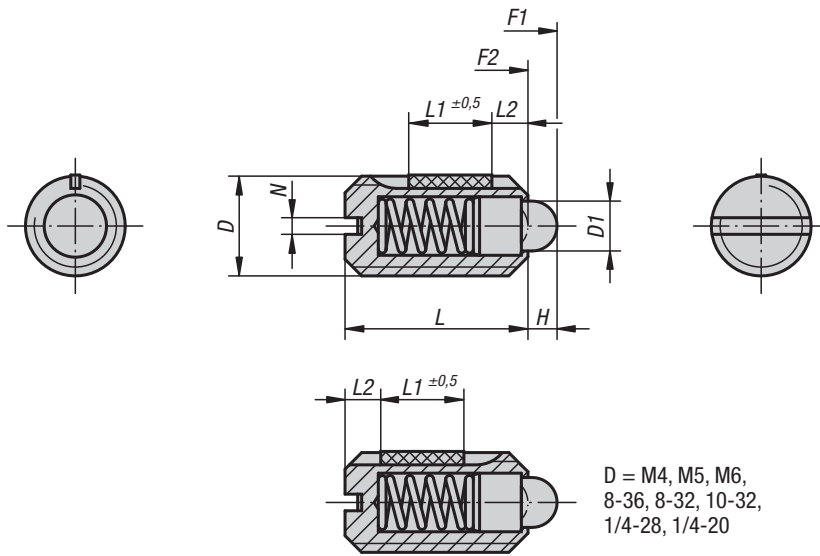
Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0323.04	M4	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0323.05	M5	2,4	12	6	2	0,8	6	20	0,12	0,08
K0323.06	M6	2,7	14	7	2	1	7	20	0,44	0,21
K0323.08	M8	4	16	8	2	1,2	15	30	1,1	0,38
K0323.10	M10	4,5	19	9	2,5	1,6	20	35	1,36	0,62
K0323.12	M12	6	22	10	3,5	2	30	55	2,11	1,41
K0323.16	M16	8,5	24	14	4,5	2,5	45	100	3,95	3,05

KIPP Spring Plungers, LONG-LOK, pin style, slotted, steel, light end pressure, metric

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0323.104	M4	1,8	9	5	1,5	0,6	3	10	0,18	0,12
K0323.105	M5	2,4	12	6	2	0,8	3	10	0,12	0,08
K0323.106	M6	2,7	14	7	2	1	4	10	0,44	0,21
K0323.108	M8	4	16	8	2	1,2	7	15	1,1	0,38
K0323.110	M10	4,5	19	9	2,5	1,6	9	16	1,36	0,62
K0323.112	M12	6	22	10	3,5	2	14	26	2,11	1,41
K0323.116	M16	8,5	24	14	4,5	2,5	22	50	3,95	3,05

Spring Plungers

LONG-LOK, pin style, slotted, stainless steel



D = M4, M5, M6,
8-36, 8-32, 10-32,
1/4-28, 1/4-20

Material:

Body in stainless steel 1.4305;
pressure pin in stainless steel 1.4034;
spring in stainless steel 1.4310

LONG-LOK thread system in nylon

Type:

Body natural finish,
pressure pin hardened

Part Number Example:

K0324.A3

Drawing reference:

L2 = approx. 2x thread pitch

KIPP Spring Plungers, LONG-LOK, pin style, slotted, stainless steel, standard end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0324.AG	8-36	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0324.AE	8-32	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0324.A1	10-32	2,4	12	6	2	0,8	6	20	0,12	0,08
K0324.AJ	1/4-28	2,7	14	7	2	1	7	20	0,44	0,21
K0324.A2	1/4-20	2,7	14	7	2	1	7	20	0,44	0,21
K0324.A3	5/16-18	4	16	8	2	1,2	15	30	1,1	0,38
K0324.A4	3/8-16	4,5	19	9	2,5	1,6	20	35	1,36	0,62
K0324.A5	1/2-13	6	22	10	3,5	2	30	55	2,11	1,41
K0324.A6	5/8-11	8,5	24	14	4,5	2,5	45	100	3,95	3,05

Spring Plungers

LONG-LOK, pin style, slotted, stainless steel



KIPP Spring Plungers, LONG-LOK, pin style, slotted, stainless steel, light end pressure, inch

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0324.1AG	8-36	1,8	9	5	1,5	0,6	2	7	0,18	0,12
K0324.1AE	8-32	1,8	9	5	1,5	0,6	3	10	0,18	0,12
K0324.1A1	10-32	2,4	12	6	2	0,8	3	10	0,12	0,08
K0324.1AJ	1/4-28	2,7	14	7	2	1	3	9	0,44	0,21
K0324.1A2	1/4-20	2,7	14	7	2	1	4	10	0,44	0,21
K0324.1A3	5/16-18	4	16	8	2	1,2	7	15	1,1	0,38
K0324.1A4	3/8-16	4,5	19	9	2,5	1,6	9	16	1,36	0,62
K0324.1A5	1/2-13	6	22	10	3,5	2	14	26	2,11	1,41
K0324.1A6	5/8-11	8,5	24	14	4,5	2,5	22	50	3,95	3,05

KIPP Spring Plungers, LONG-LOK, pin style, slotted, stainless steel, standard end pressure, metric

Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0324.04	M4	1,8	9	5	1,5	0,6	6	20	0,18	0,12
K0324.05	M5	2,4	12	6	2	0,8	6	20	0,12	0,08
K0324.06	M6	2,7	14	7	2	1	7	20	0,44	0,21
K0324.08	M8	4	16	8	2	1,2	15	30	1,1	0,38
K0324.10	M10	4,5	19	9	2,5	1,6	20	35	1,36	0,62
K0324.12	M12	6	22	10	3,5	2	30	55	2,11	1,41
K0324.16	M16	8,5	24	14	4,5	2,5	45	100	3,95	3,05

KIPP Spring Plungers, LONG-LOK, pin style, slotted, stainless steel, light end pressure, metric

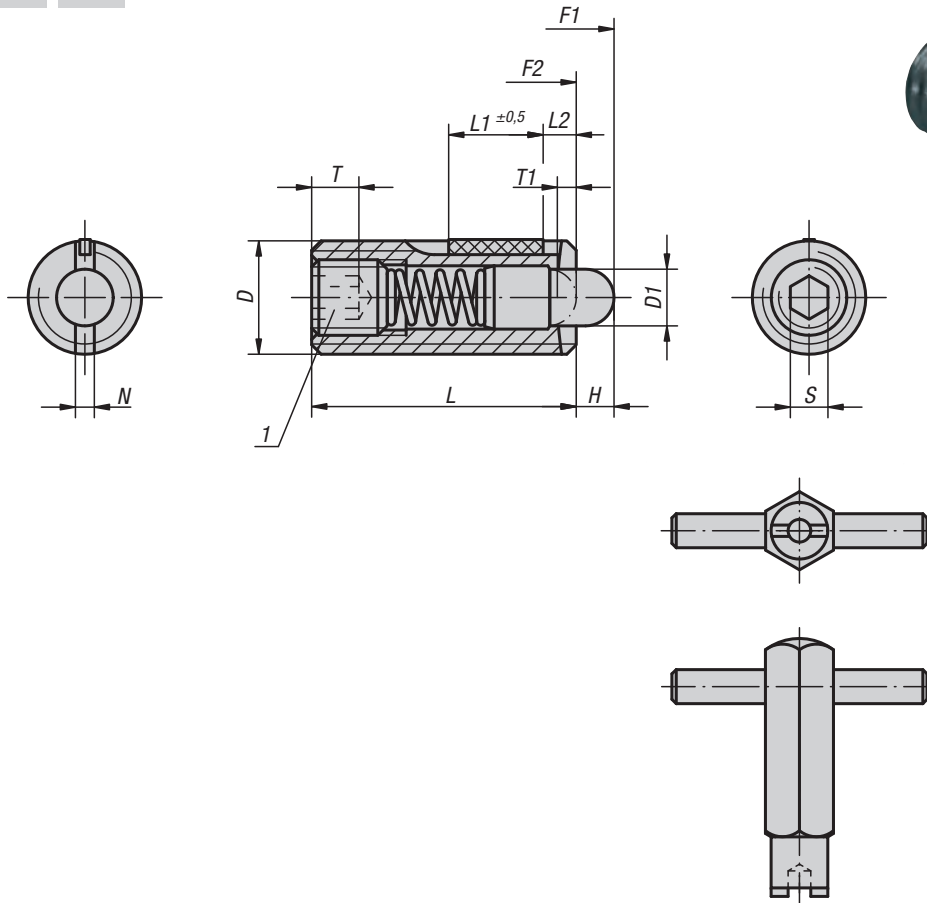
Item No.	D	D1	L	L1	H	N	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm
K0324.104	M4	1,8	9	5	1,5	0,6	3	10	0,18	0,12
K0324.105	M5	2,4	12	6	2	0,8	3	10	0,12	0,08
K0324.106	M6	2,7	14	7	2	1	4	10	0,44	0,21
K0324.108	M8	4	16	8	2	1,2	7	15	1,1	0,38
K0324.110	M10	4,5	19	9	2,5	1,6	9	16	1,36	0,62
K0324.112	M12	6	22	10	3,5	2	14	26	2,11	1,41
K0324.116	M16	8,5	24	14	4,5	2,5	22	50	3,95	3,05

Spring Plungers

LONG-LOK, pin style, hexagon socket, steel body and pin



INCH Parts
METRIC Parts



Material:
Body in steel quality class 5.8.
Pressure pin in steel.
Spring in steel class D.

LONG-LOK thread system nylon

Type:
Black oxide finish.
Pressure pin hardened.

Part Number Example:
K0327.1A1

Drawing reference:
L2 = approx. 2x thread pitch
1) grub screw glued in

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, standard end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	6	20	0,12	0,08	K0317.905
K0327.AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	7	20	0,45	0,22	K0317.906
K0327.A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	7	20	0,45	0,22	K0317.906
K0327.A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	9	35	1,05	0,37	K0317.908
K0327.A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	9	35	1,3	0,6	K0317.910
K0327.A5	1/2-13	6	28	10	4	5	2	2	5/32	12	55	2	1,3	K0317.912
K0327.A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	45	100	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, light end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.1A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	3	10	0,12	0,08	K0317.905
K0327.1AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	3	9	0,45	0,22	K0317.906
K0327.1A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	3	9	0,45	0,22	K0317.906
K0327.1A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	4	16	1,05	0,37	K0317.908
K0327.1A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	4	16	1,3	0,6	K0317.910
K0327.1A5	1/2-13	6	28	10	4	5	2	2	5/32	5	27	2	1,3	K0317.912
K0327.1A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	20	45	3,9	3	K0317.916

Spring Plungers

LONG-LOK, pin style, hexagon socket, steel body and pin

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, heavy end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.2A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	11	29	0,12	0,08	K0317.905
K0327.2AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	14	37	0,45	0,22	K0317.906
K0327.2A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	14	37	0,45	0,22	K0317.906
K0327.2A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	22	65	1,05	0,37	K0317.908
K0327.2A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	19	70	1,3	0,6	K0317.910
K0327.2A5	1/2-13	6	28	10	4	5	2	2	5/32	25	85	2	1,3	K0317.912
K0327.2A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	60	150	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, standard end pressure, metric

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.05	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	6	20	0,12	0,08	K0317.905
K0327.06	M6	2,7	20	7	2,5	2,5	1	1	2	7	20	0,45	0,22	K0317.906
K0327.08	M8	3,5	22	8	3	3	1,4	1,2	2,5	9	35	1,05	0,37	K0317.908
K0327.10	M10	4	22	9	3	3,5	1,4	1,6	3	9	35	1,3	0,6	K0317.910
K0327.12	M12	6	28	10	4	5	2	2	4	12	55	2	1,3	K0317.912
K0327.16	M16	7,5	32	14	5	6	2,5	2,5	5	45	100	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, light end pressure, metric

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.105	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	3	10	0,12	0,08	K0317.905
K0327.106	M6	2,7	20	7	2,5	2,5	1	1	2	3	9	0,45	0,22	K0317.906
K0327.108	M8	3,5	22	8	3	3	1,4	1,2	2,5	4	16	1,05	0,37	K0317.908
K0327.110	M10	4	22	9	3	3,5	1,4	1,6	3	4	16	1,3	0,6	K0317.910
K0327.112	M12	6	28	10	4	5	2	2	4	5	27	2	1,3	K0317.912
K0327.116	M16	7,5	32	14	5	6	2,5	2,5	5	20	45	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and pin, heavy end pressure, metric

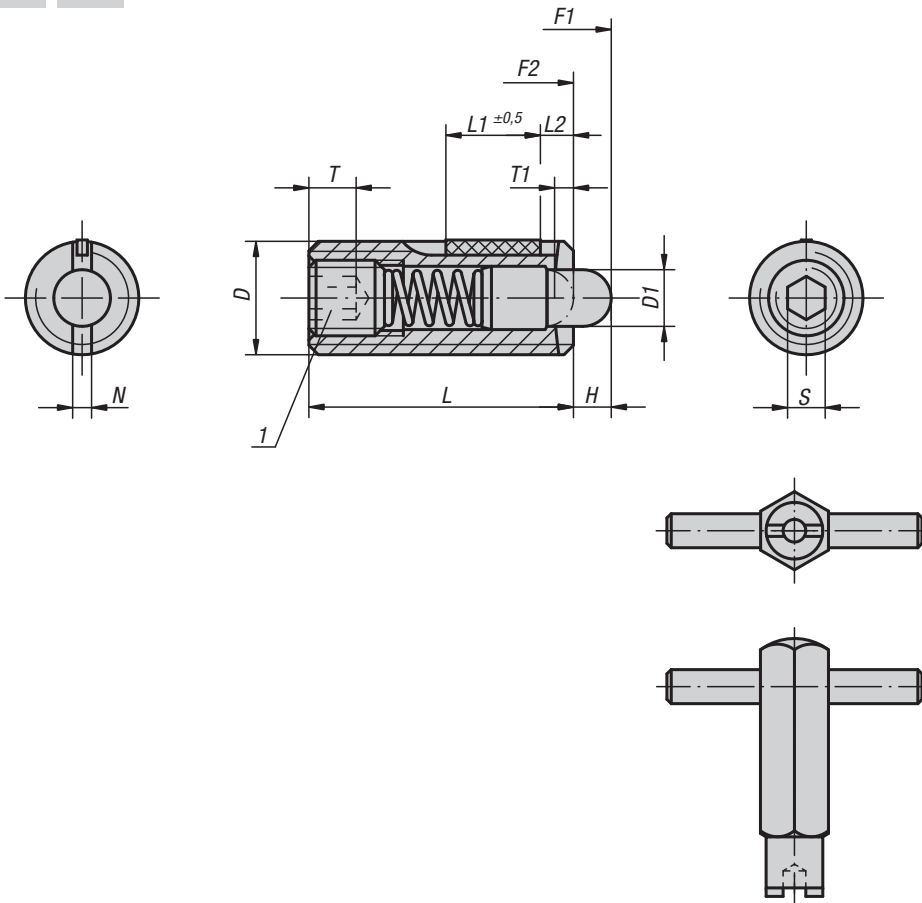
Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0327.205	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	11	29	0,12	0,08	K0317.905
K0327.206	M6	2,7	20	7	2,5	2,5	1	1	2	14	37	0,45	0,22	K0317.906
K0327.208	M8	3,5	22	8	3	3	1,4	1,2	2,5	22	65	1,05	0,37	K0317.908
K0327.210	M10	4	22	9	3	3,5	1,4	1,6	3	19	70	1,3	0,6	K0317.910
K0327.212	M12	6	28	10	4	5	2	2	4	25	85	2	1,3	K0317.912
K0327.216	M16	7,5	32	14	5	6	2,5	2,5	5	60	150	3,9	3	K0317.916

Spring Plungers

LONG-LOK, pin style, hexagon socket, steel body and POM pin



INCH Parts
METRIC Parts



Material:
Body in steel quality class 5.8.
Pressure pin in POM.
Spring spring steel class D.

LONG-LOK thread system nylon.

Type:
Black oxide finish.

Part Number Example:
K0328.A1

Drawing reference:
L2 = approx. 2x thread pitch
1) grub screw glued in

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and POM pin, standard end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0328.A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	6	20	0,12	0,08	K0317.905
K0328.AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	7	20	0,45	0,22	K0317.906
K0328.A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	7	20	0,45	0,22	K0317.906
K0328.A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	9	35	1,05	0,37	K0317.908
K0328.A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	9	35	1,3	0,6	K0317.910
K0328.A5	1/2-13	6	28	10	4	5	2	2	5/32	10	55	2	1,3	K0317.912
K0328.A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	45	100	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and POM pin, light end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0328.1A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	3	10	0,12	0,08	K0317.905
K0328.1AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	3	9	0,45	0,22	K0317.906
K0328.1A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	3	9	0,45	0,22	K0317.906
K0328.1A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	4	16	1,05	0,37	K0317.908
K0328.1A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	4	16	1,3	0,6	K0317.910
K0328.1A5	1/2-13	6	28	10	4	5	2	2	5/32	5	27	2	1,3	K0317.912
K0328.1A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	20	45	3,9	3	K0317.916

Spring Plungers

LONG-LOK, pin style, hexagon socket, steel body and POM pin



KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and POM pin, standard end pressure, metric

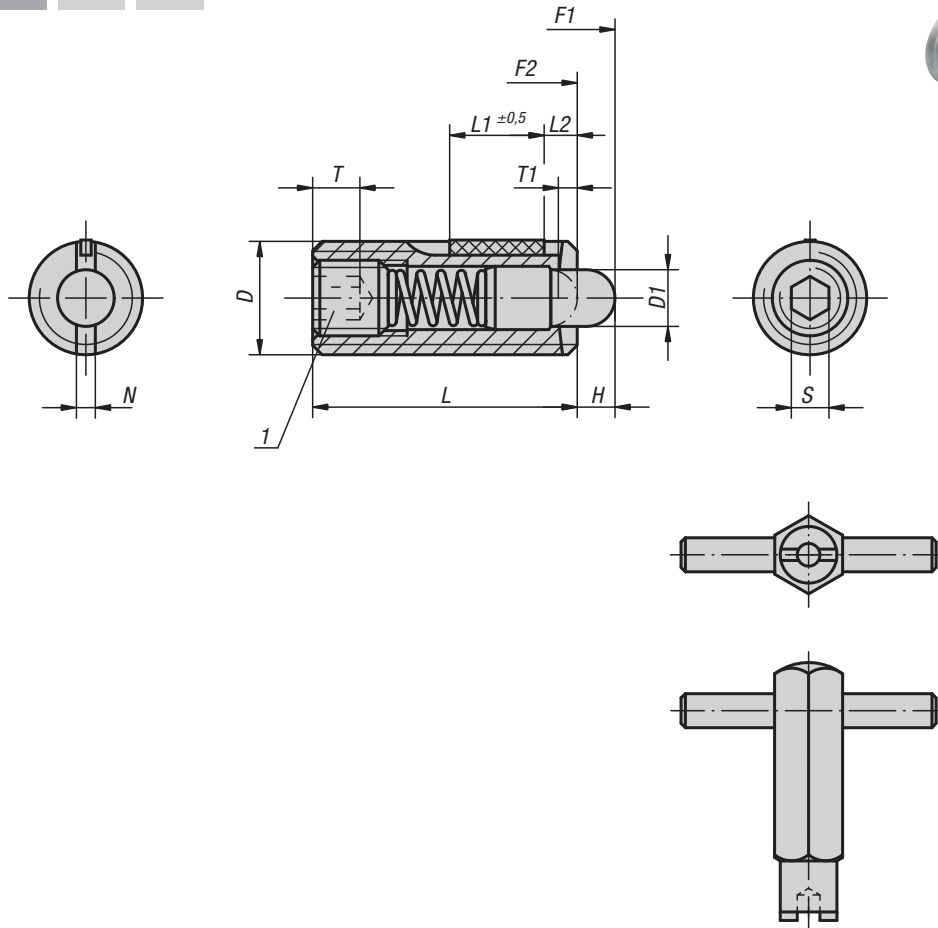
Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0328.05	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	6	20	0,12	0,08	K0317.905
K0328.06	M6	2,7	20	7	2,5	2,5	1	1	2	7	20	0,45	0,22	K0317.906
K0328.08	M8	3,5	22	8	3	3	1,4	1,2	2,5	9	35	1,05	0,37	K0317.908
K0328.10	M10	4	22	9	3	3,5	1,4	1,6	3	9	35	1,3	0,6	K0317.910
K0328.12	M12	6	28	10	4	5	2	2	4	12	55	2	1,3	K0317.912
K0328.16	M16	7,5	32	14	5	6	2,5	2,5	5	45	100	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, steel body and POM pin, light end pressure, metric

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0328.105	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	3	10	0,12	0,08	K0317.905
K0328.106	M6	2,7	20	7	2,5	2,5	1	1	2	3	9	0,45	0,22	K0317.906
K0328.108	M8	3,5	22	8	3	3	1,4	1,2	2,5	4	16	1,05	0,37	K0317.908
K0328.110	M10	4	22	9	3	3,5	1,4	1,6	3	4	16	1,3	0,6	K0317.910
K0328.112	M12	6	28	10	4	5	2	2	4	5	27	2	1,3	K0317.912
K0328.116	M16	7,5	32	14	5	6	2,5	2,5	5	20	45	3,9	3	K0317.916

Spring Plungers

LONG-LOK, pin style, hexagon socket, stainless steel body and pin



Material:

Body stainless steel 1.4305;
pressure pin stainless steel 1.4034;
spring stainless steel 1.4310

LONG-LOK thread system in nylon

Type:

Body natural finish,
pressure pin hardened

Part Number Example:

K0329.A1

Drawing reference:

L2 = approx. 2x thread pitch
1) grub screw glued in

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, stainless steel body and pin, standard end pressure, inch

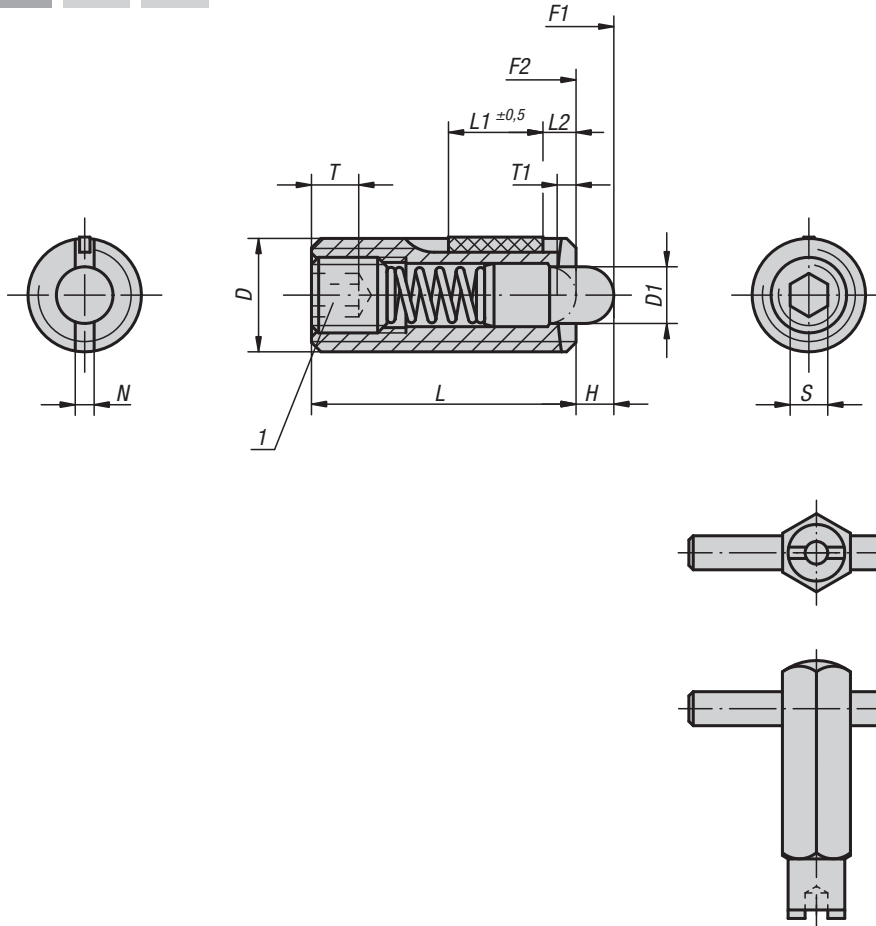
Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0329.A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	5	17	0,12	0,08	K0317.905
K0329.AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	6	17	0,45	0,22	K0317.906
K0329.A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	6	17	0,45	0,22	K0317.906
K0329.A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	7	29	1,05	0,37	K0317.908
K0329.A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	8	31	1,3	0,6	K0317.910
K0329.A5	1/2-13	6	28	10	4	5	2	2	5/32	10	47	2	1,3	K0317.912
K0329.A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	45	100	3,9	3	K0317.916

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, stainless steel body and pin, standard end pressure, metric

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0329.05	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	5	17	0,12	0,08	K0317.905
K0329.06	M6	2,7	20	7	2,5	2,5	1	1	2	6	17	0,45	0,22	K0317.906
K0329.08	M8	3,5	22	8	3	3	1,4	1,2	2,5	7	29	1,05	0,37	K0317.908
K0329.10	M10	4	22	9	3	3,5	1,4	1,6	3	8	31	1,3	0,6	K0317.910
K0329.12	M12	6	28	10	4	5	2	2	4	10	47	2	1,3	K0317.912
K0329.16	M16	7,5	32	14	5	6	2,5	2,5	5	45	100	3,9	3	K0317.916

Spring Plungers

LONG-LOK, pin style, hexagon socket, stainless steel body and POM pin



Material:

Body in stainless steel 1.4305;
pressure pin in POM;
spring in stainless steel 1.4310

LONG-LOK thread system in nylon

Type:

Natural finish.

Part Number Example:

K0330.A6

Drawing reference:

L2 = approx. 2x thread pitch
1) grub screw glued in

KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, stainless steel body and POM pin, standard end pressure, inch

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0330.A1	10-32	2,4	18	7	2,3	2	0,8	0,8	1/16	5	17	0,12	0,08	K0317.905
K0330.AJ	1/4-28	2,7	20	7	2,5	2,5	1	1	5/64	6	17	0,45	0,22	K0317.906
K0330.A2	1/4-20	2,7	20	7	2,5	2,5	1	1	5/64	6	17	0,45	0,22	K0317.906
K0330.A3	5/16-18	3,5	22	8	3	3	1,4	1,2	3/32	7	29	1,05	0,37	K0317.908
K0330.A4	3/8-16	4	22	9	3	3,5	1,4	1,6	1/8	8	31	1,3	0,6	K0317.910
K0330.A5	1/2-13	6	28	10	4	5	2	2	5/32	10	47	2	1,3	K0317.912
K0330.A6	5/8-11	7,5	32	14	5	6	2,5	2,5	3/16	45	100	3,9	3	K0317.916

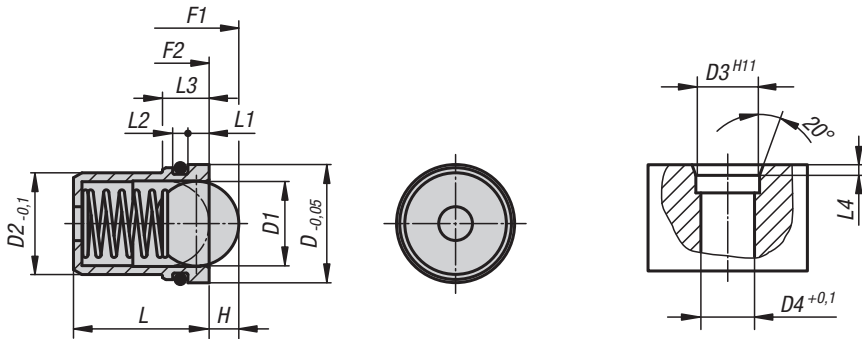
KIPP Spring Plungers, LONG-LOK, pin style, hexagon socket, stainless steel body and POM pin, standard end pressure, metric

Item No.	D	D1	L	L1	H	T	T1	N	S	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Tightening torque approx. Nm	Loosening torque, after 3rd use ca. Nm	Item No. Assembly key
K0330.05	M5	2,4	18	7	2,3	2	0,8	0,8	1,5	5	17	0,12	0,08	K0317.905
K0330.06	M6	2,7	20	7	2,5	2,5	1	1	2	6	17	0,45	0,22	K0317.906
K0330.08	M8	3,5	22	8	3	3	1,4	1,2	2,5	7	29	1,05	0,37	K0317.908
K0330.10	M10	4	22	9	3	3,5	1,4	1,6	3	8	31	1,3	0,6	K0317.910
K0330.12	M12	6	28	10	4	5	2	2	4	10	47	2	1,3	K0317.912
K0330.16	M16	7,5	32	14	5	6	2,5	2,5	5	45	100	3,9	3	K0317.916

Spring Plungers

push fit, with o-ring seal

METRIC
Parts



Material:

Body, spring and ball in stainless steel, o-ring NBR

Type:

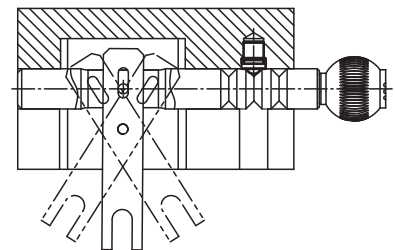
Body natural finish, ball hardened, natural finish, o-ring black

Part Number Example:

K0582.05

Note:

The KIPP Push-Fit Spring Plunger with o-ring was created for overhead vertical installations. The plunger can easily be installed by hand or using simple tools. The unique o-ring design holds the plunger in place and prevents it falling out.

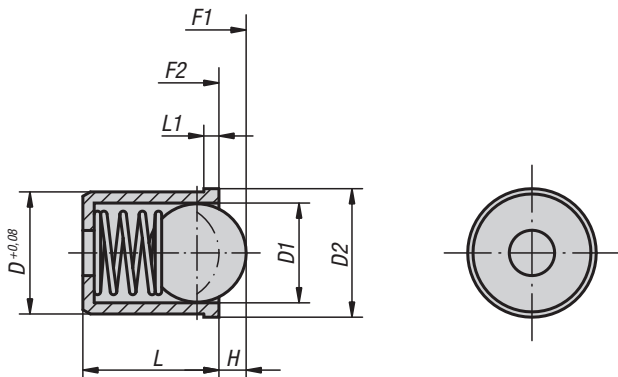


KIPP Spring Plungers push fit, with o-ring seal, metric

Item No.	D	D1	D2	D3	D4	H	L	L1	L2	L3	L4	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0582.05	4,95	3	4	5	4,1	0,8	5	1	0,7	2,3	0,7	3	7
K0582.06	5,95	4	5	6	5,1	1	6	1	0,7	2,3	0,7	4	7
K0582.08	7,95	5	6	8	6,1	1,5	7	1,5	1,2	3,7	1	6	12
K0582.10	9,95	6,5	8	10	8,1	1,8	9	2	1,2	4,2	1,5	6	12
K0582.12	11,95	8	10	12	10,1	2,7	13,5	2,5	1,8	5,3	2	10	20
K0582.14	13,95	10	12	14	12,1	3,5	16	2,5	1,8	5,5	2	15	25

Spring Plungers

push fit stainless steel



Material:

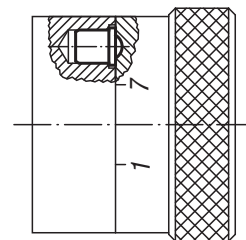
Body and spring in stainless steel.
Ball in stainless steel or in POM.

Type:

Body natural finish.
Ball hardened, natural finish.
Plastic ball white.

Part Number Example:

K0333.04



KIPP Spring Plungers, push fit, stainless steel, metric

Item No.	Component material	D	D1	D2	L	L1	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0333.04	Stainless steel	4	3	4,6	5	1	0,8	3	7
K0333.05	Stainless steel	5	4	5,6	6	1	1	4	7
K0333.06	Stainless steel	6	5	6,5	7	1	1,5	6	12
K0333.08	Stainless steel	8	6,5	8,5	9	1	1,8	6	12
K0333.10	Stainless steel	10	8	12	13,5	2,5	2,7	10	20
K0333.12	Stainless steel	12	10	14	16	2,5	3,5	15	25

KIPP Spring Plungers, push fit, stainless steel, metric

Item No.	Component material	D	D1	D2	L	L1	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0333.304	Pom	4	3	4,6	5	1	0,5	3	7
K0333.305	Pom	5	4	5,6	6	1	0,6	4	7
K0333.306	Pom	6	5	6,5	7	1	1,1	6	12
K0333.308	Pom	8	6,5	8,5	9	1	1,5	6	12
K0333.310	Pom	10	8	12	13,5	2,5	2,6	10	20
K0333.312	Pom	12	10	14	16	2,5	3,3	15	25

Spring Plungers

push fit extended, stainless steel



Material:

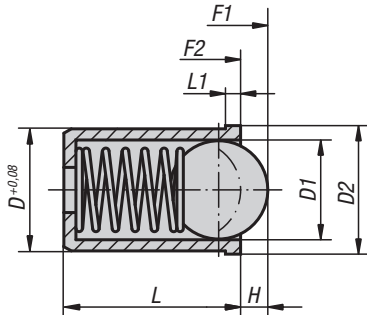
Body and spring in stainless steel.
Ball in stainless steel or in POM.

Type:

Body natural finish.
Ball hardened, natural finish.
Plastic ball white.

Part Number Example:

K0333.104



KIPP Spring Plungers push fit, extended, stainless steel, metric

Item No.	Component material	D	D1	D2	L	L1	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0333.104	Stainless steel	4	3	4,6	9	1	0,8	12	22
K0333.105	Stainless steel	5	4	5,6	12	1	1	19	30
K0333.106	Stainless steel	6	5	6,5	14	1	1,5	22	40
K0333.108	Stainless steel	8	6	8,5	16	1	1,8	42	73
K0333.110	Stainless steel	10	8	12	22	2,5	2,7	54	100
K0333.112	Stainless steel	12	10	14	24	2,5	3,2	54	122
K0333.404	Pom	4	3	4,6	9	1	0,8	12	22
K0333.405	Pom	5	4	5,6	12	1	1	19	30
K0333.406	Pom	6	5	6,5	14	1	1,5	22	40
K0333.408	Pom	8	6	8,5	16	1	1,8	42	73
K0333.410	Pom	10	8	12	22	2,5	2,7	54	100
K0333.412	Pom	12	10	14	24	2,5	3,2	54	122

Spring Plungers

push fit plastic

METRIC
Parts



Material:

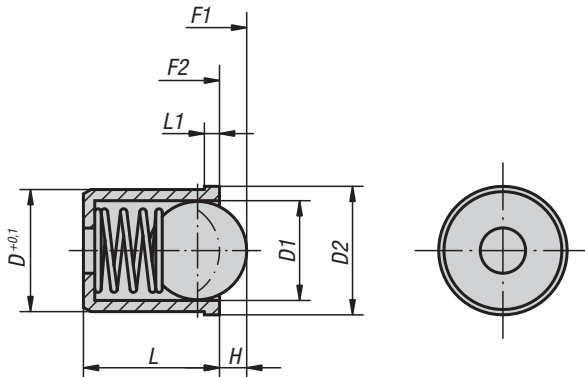
Body thermoplastic,
spring in stainless steel,
ball in stainless steel or in POM.

Type:

Body black.
Ball hardened, natural finish.
Plastic ball white.

Part Number Example:

K0334.04



KIPP Spring Plungers, push fit, plastic, metric

Item No.	Component material	D	D1	D2	L	L1	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0334.04	Stainless steel	4	3	4,6	5	1	0,7	3	7
K0334.05	Stainless steel	5	4	5,6	6	1	1	4	7
K0334.06	Stainless steel	6	5	6,5	7	1	1,5	6	12
K0334.08	Stainless steel	8	6,5	8,5	9	1	1,8	6	12
K0334.10	Stainless steel	10	8	12	13,5	2,5	2,7	10	20
K0334.12	Stainless steel	12	10	14	16	2,5	3,5	15	25

KIPP Spring Plungers, push fit, plastic, metric

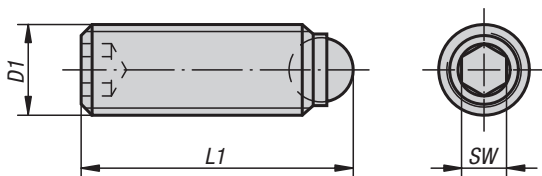
Item No.	Component material	D	D1	D2	L	L1	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0334.204	Pom	4	3	4,6	5	1	0,7	3	7
K0334.205	Pom	5	4	5,6	6	1	1	4	7
K0334.206	Pom	6	5	6,5	7	1	1,5	6	12
K0334.208	Pom	8	6,5	8,5	9	1	1,8	6	12
K0334.210	Pom	10	8	12	13,5	2,5	2,7	10	20
K0334.212	Pom	12	10	14	16	2,5	3,5	15	25

Ball-end thrust screws without head

stainless steel with full ball



New Item



Material:

Screw stainless steel.
Ball stainless steel.

Type:

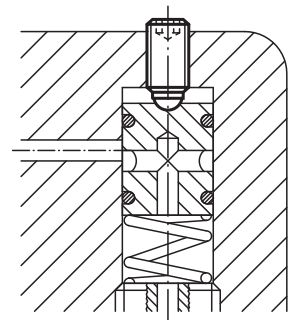
Stainless steel natural finish.

Part Number Example:

K0384.1046

Note:

Ball-end thrust screws with full ball are used when a clean, polished contact surface is required. Longer versions have been designed especially to be glued in, allowing mechanical connecting elements with external threads to be made cost-effectively for small and medium-sized runs.



Ball-end thrust screws without head

stainless steel with full ball

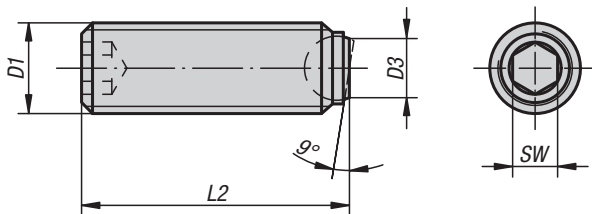


KIPP Ball-end thrust screws without head, stainless steel, with full ball

Item No.	D1	L1	Ball-Ø	SW
K0384.1046	M4	6	2,5	2
K0384.10410	M4	10	2,5	2
K0384.10416	M4	16	2,5	2
K0384.1048	M4	8	2,5	2
K0384.10412	M4	12	2,5	2
K0384.10520	M5	20	3	2,5
K0384.10516	M5	16	3	2,5
K0384.10512	M5	12	3	2,5
K0384.1058	M5	8	3	2,5
K0384.10510	M5	10	3	2,5
K0384.10525	M5	25	3	2,5
K0384.10660	M6	60,8	4	3
K0384.10680	M6	80,8	4	3
K0384.10616	M6	16,8	4	3
K0384.10620	M6	20,8	4	3
K0384.10610	M6	10,8	4	3
K0384.10625	M6	25,8	4	3
K0384.10650	M6	50,8	4	3
K0384.10612	M6	12,8	4	3
K0384.10850	M8	51,2	5,5	4
K0384.10810	M8	11,2	5,5	4
K0384.10825	M8	26,2	5,5	4
K0384.10812	M8	13,2	5,5	4
K0384.10830	M8	31,2	5,5	4
K0384.10820	M8	21,2	5,5	4
K0384.10880	M8	81,2	5,5	4
K0384.10816	M8	17,2	5,5	4
K0384.10860	M8	61,2	5,5	4
K0384.11020	M10	21,7	7	5
K0384.11025	M10	26,7	7	5
K0384.11035	M10	36,7	7	5
K0384.11016	M10	17,7	7	5
K0384.11012	M10	13,7	7	5
K0384.11220	M12	22	8,5	6
K0384.11232	M12	34	8,5	6
K0384.11230	M12	32	8,5	6
K0384.11240	M12	42	8,5	6
K0384.11225	M12	27	8,5	6
K0384.11216	M12	18	8,5	6
K0384.11650	M16	53,3	12	8
K0384.11635	M16	38,3	12	8
K0384.11625	M16	28,3	12	8
K0384.11620	M16	23,3	12	8

Ball-end thrust screws without head

stainless steel with flattened ball



Material:

Screw and ball stainless steel.

Type:

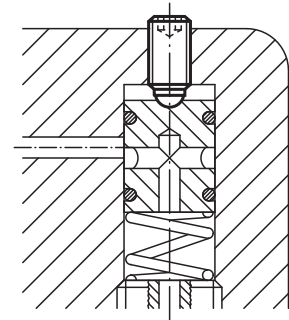
Stainless steel natural finish.

Part Number Example:

K0384.2046

Note:

Surfaces which are not flat and parallel can be firmly clamped or supported with with a flattened ball, the movable ball can adapt itself up to 9°.
Longer versions have been designed especially to be glued in. This allows mechanical connecting elements with external thread to be made cost-effectively for small and medium-sized series.



Ball-end thrust screws without head

stainless steel with flattened ball



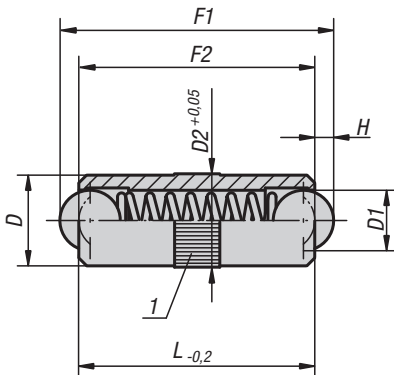
KIPP Ball-end thrust screws without head, stainless steel with flattened ball, metric

Item No.	D1	D3	L2	Ball-Ø	SW
K0384.2046	M4	1,4	5,8	2,5	2
K0384.2048	M4	1,4	7,8	2,5	2
K0384.20410	M4	1,4	9,8	2,5	2
K0384.20412	M4	1,4	11,8	2,5	2
K0384.20416	M4	1,4	15,8	2,5	2
K0384.2058	M5	2	7,6	3	2,5
K0384.20510	M5	2	9,6	3	2,5
K0384.20512	M5	2	11,6	3	2,5
K0384.20516	M5	2	15,6	3	2,5
K0384.20520	M5	2	19,6	3	2,5
K0384.20525	M5	2	24,6	3	2,5
K0384.20610	M6	3	10,1	4	3
K0384.20612	M6	3	12,1	4	3
K0384.20616	M6	3	16,1	4	3
K0384.20620	M6	3	20,1	4	3
K0384.20625	M6	3	25,1	4	3
K0384.20650	M6	3	50,1	4	3
K0384.20660	M6	3	60,1	4	3
K0384.20680	M6	3	80,1	4	3
K0384.20810	M8	4,1	10,3	5,5	4
K0384.20812	M8	4,1	12,3	5,5	4
K0384.20816	M8	4,1	16,3	5,5	4
K0384.20820	M8	4,1	20,3	5,5	4
K0384.20825	M8	4,1	25,3	5,5	4
K0384.20830	M8	4,1	30,3	5,5	4
K0384.20850	M8	4,1	50,3	5,5	4
K0384.20860	M8	4,1	60,3	5,5	4
K0384.20880	M8	4,1	80,3	5,5	4
K0384.21012	M10	5,6	12,3	7	5
K0384.21016	M10	5,6	16,3	7	5
K0384.21020	M10	5,6	20,3	7	5
K0384.21025	M10	5,6	25,3	7	5
K0384.21035	M10	5,6	35,3	7	5
K0384.21216	M12	7	16,2	8,5	6
K0384.21220	M12	7	20,2	8,5	6
K0384.21230	M12	7	30,2	8,5	6
K0384.21240	M12	7	40,2	8,5	6
K0384.21620	M16	10,7	20	12	8
K0384.21625	M16	10,7	25	12	8
K0384.21635	M16	10,7	35	12	8
K0384.21650	M16	10,7	50	12	8

Spring Plungers

smooth surface, double-sided

METRIC
Parts



Material:

Body in brass, balls and spring in stainless steel

Type:

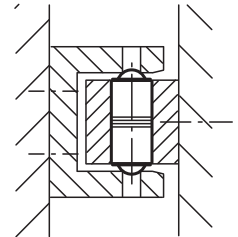
Balls hardened, natural finish

Part Number Example:

K0337.10

Drawing reference:

1) knurl



KIPP Spring Plungers smooth surface, double-sided, metric

Item No.	D	D1	D2	L	H	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0337.04	4	3	4,05	10	0,9	3	7
K0337.05	5	4	5,05	12	1,2	4	8
K0337.06	6	5	6,05	16	1,6	6	10
K0337.08	8	6	8,05	20	2	8	12
K0337.10	10	8	10,05	24	2,9	10	16

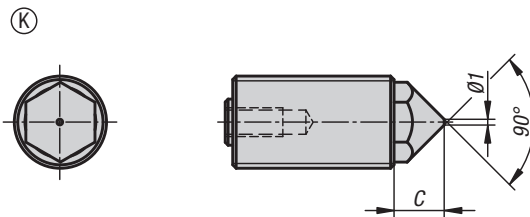
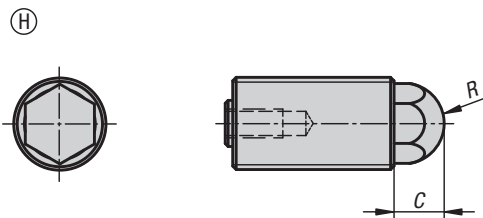
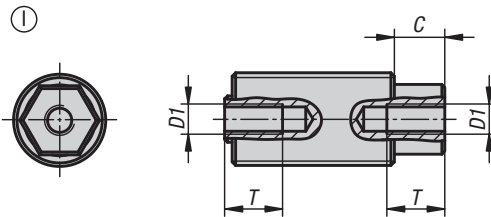
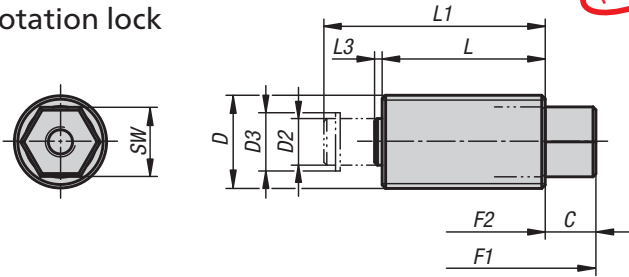
Spring Plungers push-pull

with rotation lock

New Item



METRIC
Parts



Material:
Steel.

Type:
Threaded sleeve galvanized, blue chromate.
Threaded pin case-hardened, black-oxidized.
Standard spring force, reinforced spring force.

Part Number Example:
K0997.1112

Note:
The push-pull spring plungers, also called two-way spring plungers are used to engage, position or clamp various components. The threaded pin, which is locked against rotation by the hexagonal form can be used for traction or thrust.

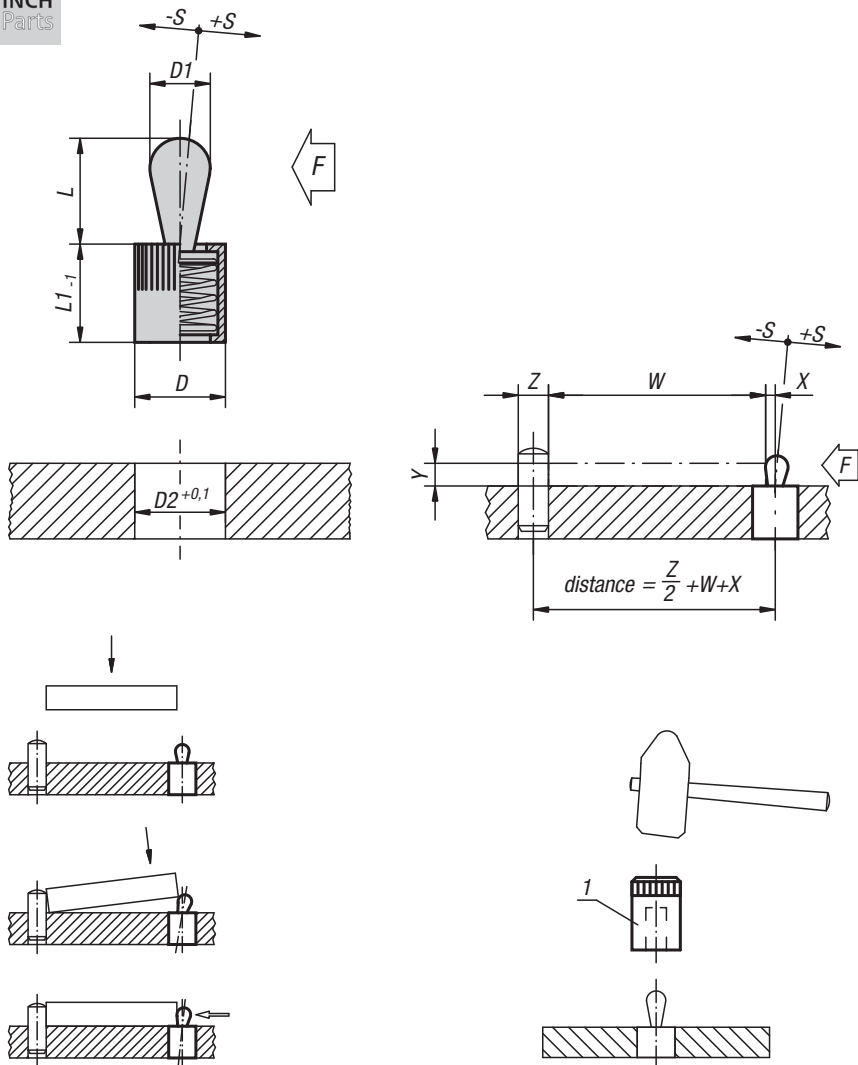
KIPP Push-Pull spring plungers with rotation lock, metric

Item No.	Style	Version	D	SW	D1	D2	D3	F1 (N)	F2 (N)	C (travel)	L	L1	L3	R	T min.
K0977.1112	I	standard spring force	M12x1,5	8	M4	5,5	6,78	16	38	6,12	20	27,5	1,38	-	8
K0977.1212	I	heavy spring force	M12x1,5	8	M4	5,5	6,78	20	60	6,12	20	27,5	1,38	-	8
K0977.1116	I	standard spring force	M16x1,5	12	M5	8	10	25	71	8,7	28	38	1,3	-	10
K0977.1216	I	heavy spring force	M16x1,5	12	M5	8	10	35	103	8,7	28	38	1,3	-	10
K0977.1120	I	standard spring force	M20x1,5	15	M6	10	12,2	40	140	10,3	34	47	2,7	-	12
K0977.1220	I	heavy spring force	M20x1,5	15	M6	10	12,2	60	175	10,3	34	47	2,7	-	12
K0977.2112	H	standard spring force	M12x1,5	8	M4	5,5	6,78	16	38	6,12	20	27,5	1,38	5,5	8
K0977.2212	H	heavy spring force	M12x1,5	8	M4	5,5	6,78	20	60	6,12	20	27,5	1,38	5,5	8
K0977.2116	H	standard spring force	M16x1,5	12	M5	8	10	25	71	8,7	28	38	1,3	7	10
K0977.2216	H	heavy spring force	M16x1,5	12	M5	8	10	35	103	8,7	28	38	1,3	7	10
K0977.2120	H	standard spring force	M20x1,5	15	M6	10	12,2	40	140	10,3	34	47	2,7	9	12
K0977.2220	H	heavy spring force	M20x1,5	15	M6	10	12,2	60	175	10,3	34	47	2,7	9	12
K0977.3112	K	standard spring force	M12x1,5	8	M4	5,5	6,78	16	38	6,12	20	27,5	1,38	-	8
K0977.3212	K	heavy spring force	M12x1,5	8	M4	5,5	6,78	20	60	6,12	20	27,5	1,38	-	8
K0977.3116	K	standard spring force	M16x1,5	12	M5	8	10	25	71	8,7	28	38	1,3	-	10
K0977.3216	K	heavy spring force	M16x1,5	12	M5	8	10	35	103	8,7	28	38	1,3	-	10
K0977.3120	K	standard spring force	M20x1,5	15	M6	10	12,2	40	140	10,3	34	47	2,7	-	12
K0977.3220	K	heavy spring force	M20x1,5	15	M6	10	12,2	60	175	10,3	34	47	2,7	-	12

Lateral Spring Plungers



INCH
Parts



Material:
Body in aluminum.
Spring in steel.
Pressure pin in steel or in POM.

Type:
Pressure pin (steel) hardened and galvanized.
Body blue galvanized.

Part Number Example:
K0368.21034CM

Note:
Lateral spring plungers are for positioning, clamping, holding and fastening of workpieces during engraving, labelling, drilling, reaming, tapping, honing, grinding, welding, soldering, tooling, assembling, etc.
Eccentric bushings for adjustment are also available.

Dimensions W and Z are according to customer specifications.

Drawing reference:
1) assembly tool

KIPP Lateral Spring Plungers without seal, pressure pin and spring in steel, inch

Item No.	D	D1	L	L1	D2	±S	F approx. N	X if Y = 1	X if Y = 2	X if Y = 3	X if Y = 4.5	X if Y = 6	X if Y = 8	Item No. assembly tool
K0368.21034CM	1/4	3	4	7	1/4	0,5	10	0,8	1	1	1	1	1	K0369.03CM
K0368.21036CM	1/4	3	4	7	1/4	0,5	20	0,8	1	1	1	1	1	K0369.03CM
K0368.21038CM	1/4	3	4	7	1/4	0,5	40	0,8	1	1	1	1	1	K0369.03CM
K0368.21054CU	7/16	5	6,7	11	7/16	0,8	20	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.21056CU	7/16	5	6,7	11	7/16	0,8	50	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.21058CU	7/16	5	6,7	11	7/16	0,8	100	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.21064CU	7/16	6	10,7	11	7/16	1	40	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.21066CU	7/16	6	10,7	11	7/16	1	75	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.21068CU	7/16	6	10,7	11	7/16	1	150	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.21084CP	1/2	8	13,9	13	1/2	1,3	50	-	-	-	-	2,5	2,7	K0369.08CP
K0368.21086CP	1/2	8	13,9	13	1/2	1,3	100	-	-	-	-	2,5	2,7	K0369.08CP
K0368.21088CP	1/2	8	13,9	13	1/2	1,3	200	-	-	-	-	2,5	2,7	K0369.08CP
K0368.21104CQ	5/8	10	16,7	17	5/8	1,6	100	-	-	-	-	-	3,1	K0369.10CQ
K0368.21106CQ	5/8	10	16,7	17	5/8	1,6	200	-	-	-	-	-	3,1	K0369.10CQ
K0368.21108CQ	5/8	10	16,7	17	5/8	1,6	300	-	-	-	-	-	3,1	K0369.10CQ

Lateral Spring Plungers



KIPP Lateral Spring Plungers with seal, pressure pin and spring in steel, inch

Item No.	D	D1	L	L1	D2	±S	F approx. N	X if Y = 1	X if Y = 2	X if Y = 3	X if Y = 4.5	X if Y = 6	X if Y = 8	Item No. assembly tool
K0368.22034CM	1/4	3	4	7	1/4	0,5	10	0,8	1	1	1	1	1	K0369.03CM
K0368.22036CM	1/4	3	4	7	1/4	0,5	20	0,8	1	1	1	1	1	K0369.03CM
K0368.22038CM	1/4	3	4	7	1/4	0,5	40	0,8	1	1	1	1	1	K0369.03CM
K0368.22054CU	7/16	5	6	12	7/16	0,8	20	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.22056CU	7/16	5	6	12	7/16	0,8	50	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.22058CU	7/16	5	6	12	7/16	0,8	100	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.22064CU	7/16	6	10	12	7/16	1	40	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.22066CU	7/16	6	10	12	7/16	1	75	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.22068CU	7/16	6	10	12	7/16	1	150	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.22084CP	1/2	8	13	14	1/2	1,3	50	-	-	-	-	2,5	2,7	K0369.08CP
K0368.22086CP	1/2	8	13	14	1/2	1,3	100	-	-	-	-	2,5	2,7	K0369.08CP
K0368.22088CP	1/2	8	13	14	1/2	1,3	200	-	-	-	-	2,5	2,7	K0369.08CP
K0368.22104CQ	5/8	10	16	18	5/8	1,6	100	-	-	-	-	-	3,1	K0369.10CQ
K0368.22106CQ	5/8	10	16	18	5/8	1,6	200	-	-	-	-	-	3,1	K0369.10CQ
K0368.22108CQ	5/8	10	16	18	5/8	1,6	300	-	-	-	-	-	3,1	K0369.10CQ

KIPP Lateral Spring Plungers without seal, pressure pin in POM, spring in steel, inch

Item No.	D	D1	L	L1	D2	±S	F approx. N	X if Y = 1	X if Y = 2	X if Y = 3	X if Y = 4.5	X if Y = 6	X if Y = 8	Item No. assembly tool
K0368.71034CM	1/4	3	4	7	1/4	0,5	10	0,8	1	1	1	1	1	K0369.03CM
K0368.71054CU	7/16	5	6,7	11	7/16	0,8	20	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.71064CU	7/16	6	10,7	11	7/16	1	40	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.71084CP	1/2	8	13,9	13	1/2	1,3	50	-	-	-	-	2,5	2,7	K0369.08CP
K0368.71104CQ	5/8	10	16,7	17	5/8	1,6	100	-	-	-	-	-	3,1	K0369.10CQ

KIPP Lateral Spring Plungers with seal, pressure pin in POM, spring in steel, inch

Item No.	D	D1	L	L1	D2	±S	F approx. N	X if Y = 1	X if Y = 2	X if Y = 3	X if Y = 4.5	X if Y = 6	X if Y = 8	Item No. assembly tool
K0368.72034CM	1/4	3	4	7	1/4	0,5	10	0,8	1	1	1	1	1	K0369.03CM
K0368.72054CU	7/16	5	6	12	7/16	0,8	20	-	1,5	1,7	1,7	1,7	1,7	K0369.05CU
K0368.72064CU	7/16	6	10	12	7/16	1	40	-	-	-	1,7	1,9	1,9	K0369.05CU
K0368.72084CP	1/2	8	13	14	1/2	1,3	50	-	-	-	-	2,5	2,7	K0369.08CP
K0368.72104CQ	5/8	10	16	18	5/8	1,6	100	-	-	-	-	-	3,1	K0369.10CQ

Eccentric Bushings and assembly tools

for lateral spring plungers



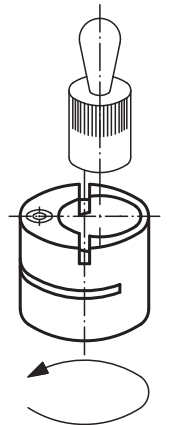
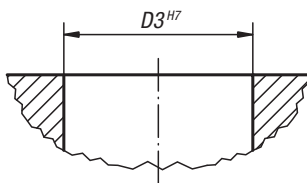
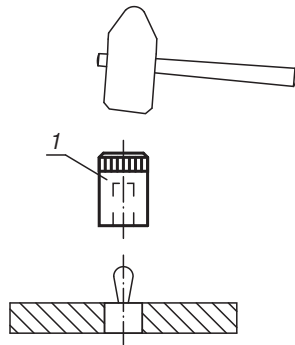
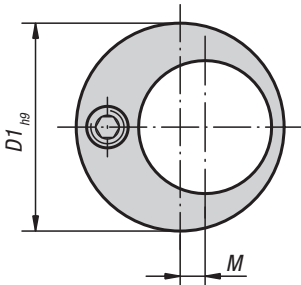
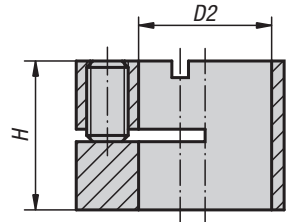
Material:
Steel.

Type:
Black oxide finish.

Part Number Example:
K0369.03CM

Note:
Eccentric Bushings enable Lateral Spring Plungers to be positioned exactly to the workpiece.

Drawing reference:
1) assembly tool



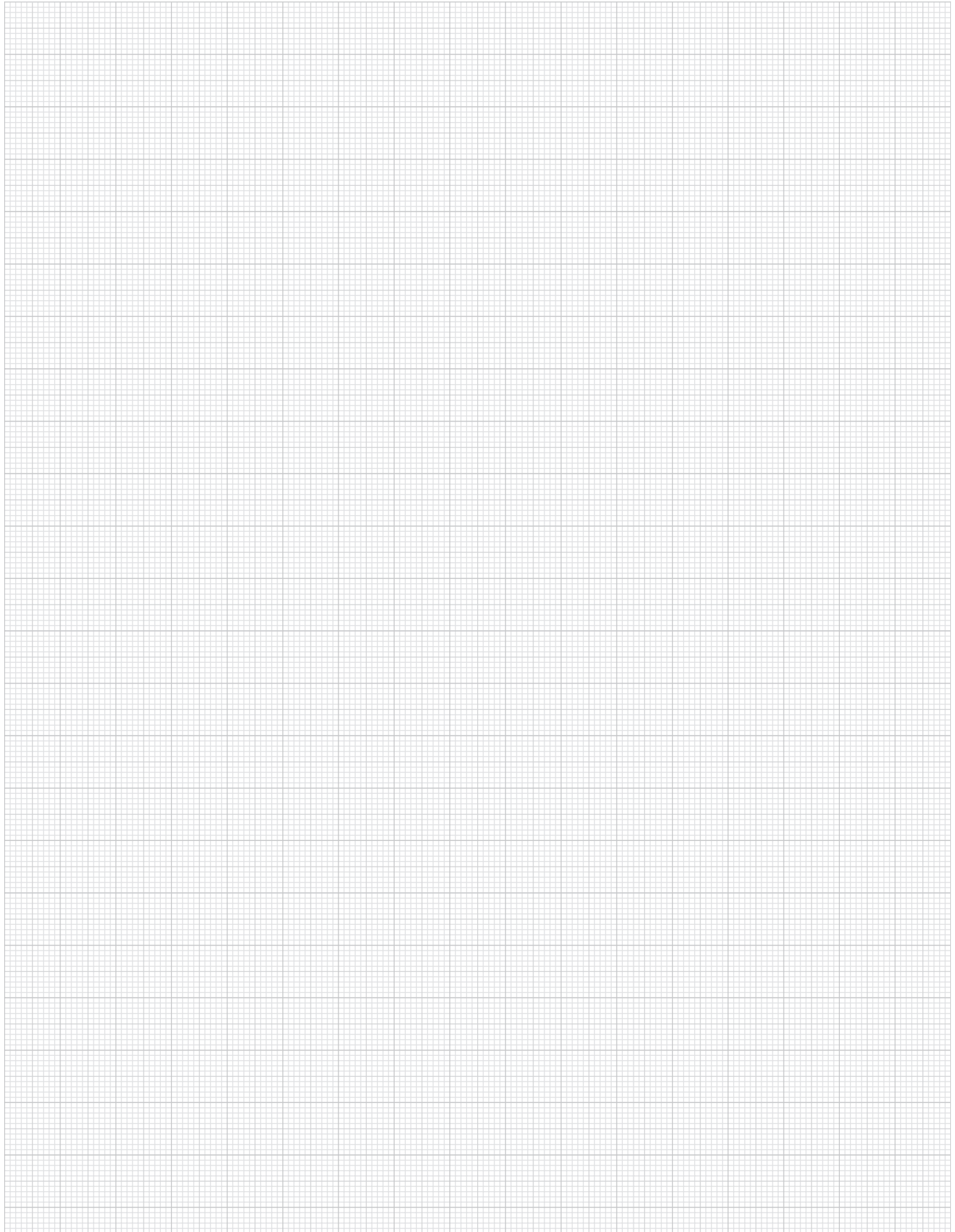
KIPP Assembly tools, inch

Item No.	Suitable for Lateral Spring Plungers with D =
K0369.03CM	1/4
K0369.05CU	7/16
K0369.08CP	1/2
K0369.10CQ	5/8

KIPP Eccentric Bushings for lateral spring plungers, inch

Item No.	D1	D2	D3	H	M	Suitable for Lateral Spring Plungers with D =
K0369.120CM	1/2	1/4	1/2	9,9	2	1/4
K0369.160CU	11/16	7/16	11/16	11,9	2	7/16
K0369.180CP	3/4	1/2	3/4	13,9	2	1/2
K0369.250CQ	1	5/8	1	17,9	3	5/8

Notes:

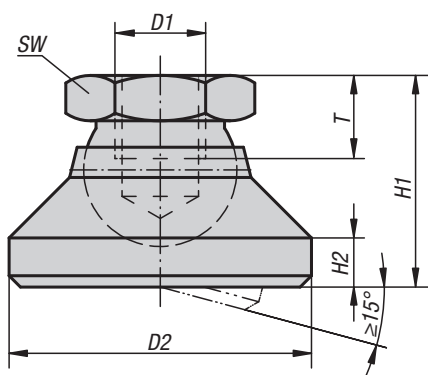


Leveling Pads

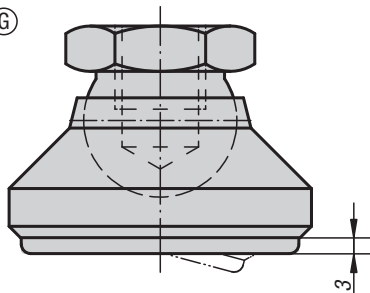
INCH Parts METRIC Parts



(A)(B)(C)(D)



(G)



Material:

- Style A: Pressure foot tempered steel. Ball element mild steel.
- Style B: Stainless steel.
- Style C: Pressure foot POM. Ball element mild steel.
- Style D: Pressure foot POM. Ball element stainless steel.
- Style G: Pressure foot tempered steel. Ball element steel with anti-slip plate.

Anti-slip plate thermoplastic elastomer.

Type:

- Style A: Ball element case-hardened, burnished.
- Style B: Natural finish.
- Style C: Ball element case-hardened, burnished.
- Style D: Ball element natural finish.
- Style G: Ball element case hardened, black oxidized with anti-slip plate.

Part Number Example:

K0395.1A2

Note:

The anti-slip plate absorbs vibrations and prevents slipping of the Swivel Foot.

KIPP Leveling Pads, inch

Item No. Style A	Item No. Style B	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.1A2	K0395.3A2	1/4-20	20	15	2,5	8,5	10	10
K0395.1A3	K0395.3A3	5/16-18	25	18	4	9	13	18
K0395.1A4	K0395.3A4	3/8-16	32	22	5	10	17	20
K0395.1A5	K0395.3A5	1/2-13	40	26	6	12	19	35
K0395.1A6	K0395.3A6	5/8-11	50	32	7	14	24	45
K0395.1A7	K0395.3A7	3/4-10	60	42	8	18	30	55

Leveling Pads



KIPP Leveling Pads, inch

Item No. Style C	Item No. Style D	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.5A2	K0395.2A2	1/4-20	20	15	2,5	8,5	10	4
K0395.5A3	K0395.2A3	5/16-18	25	18	4	9	13	7
K0395.5A4	K0395.2A4	3/8-16	32	22	5	10	17	10
K0395.5A5	K0395.2A5	1/2-13	40	26	6	12	19	18
K0395.5A6	K0395.2A6	5/8-11	50	32	7	14	24	20
K0395.5A7	K0395.2A7	3/4-10	60	42	8	18	30	22

KIPP Leveling Pads, inch

Item No. Style G	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.4A4	3/8-16	32	22	5	10	17	12
K0395.4A5	1/2-13	40	26	6	12	19	17
K0395.4A6	5/8-11	50	32	7	14	24	20
K0395.4A7	3/4-10	60	42	8	18	30	24

KIPP Leveling Pads, metric

Item No. Style A	Item No. Style B	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.106	K0395.306	M6	20	15	2,5	8,5	10	10
K0395.108	K0395.308	M8	25	18	4	9	13	18
K0395.110	K0395.310	M10	32	22	5	10	17	20
K0395.112	K0395.312	M12	40	26	6	12	19	35
K0395.116	K0395.316	M16	50	32	7	14	24	45
K0395.120	K0395.320	M20	60	42	8	18	30	55

KIPP Leveling Pads, metric

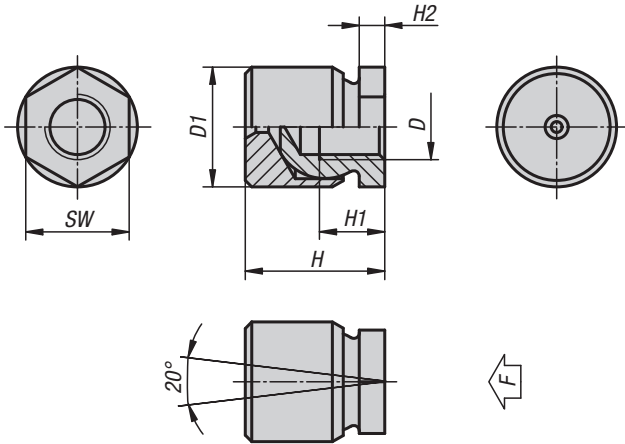
Item No. Style C	Item No. Style D	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.506	K0395.206	M6	20	15	2,5	8,5	10	4
K0395.508	K0395.208	M8	25	18	4	9	13	7
K0395.510	K0395.210	M10	32	22	5	10	17	10
K0395.512	K0395.212	M12	40	26	6	12	19	18
K0395.516	K0395.216	M16	50	32	7	14	24	20
K0395.520	K0395.220	M20	60	42	8	18	30	22

KIPP Leveling Pads, metric

Item No. Style G	D1	D2	H1	H2	T	SW	Load rating max. kN (static load only)
K0395.410	M10	32	22	5	10	17	12
K0395.412	M12	40	26	6	12	19	17
K0395.416	M16	50	32	7	14	24	20
K0395.420	M20	60	42	8	18	30	24

Swivel Pads

INCH Parts METRIC Parts



Material:

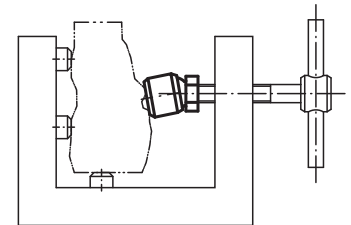
Ball element in case-hardened free-cutting steel, pressure pad in free-cutting steel ETG 100

Type:

Black oxide finish.

Part Number Example:

K0304.A1



KIPP Swivel Pads, inch

Item No.	D	D1	H	H1	H2	SW	F max. N
K0304.A1	10-32	13	16,5	6,5	4	10	1620
K0304.A2	1/4-20	13	16,5	8,5	4	10	2330
K0304.A3	5/16-18	16	21	9	4	13	4150
K0304.A4	3/8-16	19	23	10	4	17	6480
K0304.A5	1/2-13	22	25,5	12	4,7	19	8320
K0304.A6	5/8-11	25	29,5	14	5	24	13940
K0304.A7	3/4-10	32	36	18	8,5	30	21000

KIPP Swivel Pads, metric

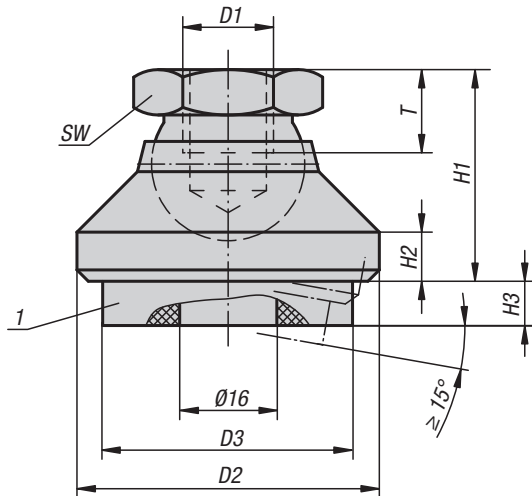
Item No.	D	D1	H	H1	H2	SW	F max. N
K0304.05	M5	13	16,5	6,5	4	10	1620
K0304.06	M6	13	16,5	8,5	4	10	2330
K0304.08	M8	16	21	9	4	13	4150
K0304.10	M10	19	23	10	4	17	6480
K0304.12	M12	22	25,5	12	4,7	19	8320
K0304.16	M16	25	29,5	14	5	24	13940
K0304.20	M20	32	36	18	8,5	30	21000

Leveling Pads

with vibration absorption

INCH
Parts

METRIC
Parts



Material:

Steel version:

pressure foot carbon steel.

Ball element free-cutting steel.

Stainless steel version:

pressure foot and ball element stainless steel.

Damper plate PUR elastomer (Sylomer V12).

Type:

Steel version:

pressure foot black oxide finish; ball element in case-hardened, black oxide finish

Stainless steel version:

natural finish

Damper plate gray, glued, slip-free;

Application -30 °C to +70 °C

Part Number Example:

K0420.1A4

Note:

The load capacity given in the table is a recommendation of the **permanent static** load to which these leveling pads should be used.

This static load corresponds to a surface pressure of 0.4 N/mm² at which the material reaches its optimum absorption properties. It is taken into account that under dynamic loading an additional load of up to 0.6 N/mm² may occur.

The damper plate absorbs vibrations and prevents slipping of the leveling pad.

For a leveling pad without vibration absorption please see K0395.

Drawing reference:

1) damper plate

KIPP Leveling Pads with vibration absorption, inch

Item No. Steel	Item No. Stainless steel	D1	D2	D3	H1	H2	H3 (under pressure of 0 / 0.4 / 0.6 N/mm ²)	T	SW	Load capacity (under pressure of 0.4 N/mm ²) N
K0420.1A4	K0420.3A4	3/8-16	32	30,5	22	5	8 / 6,8 / 5,9	10	17	212
K0420.1A5	K0420.3A5	1/2-13	40	30,5	26	6	8 / 6,8 / 5,9	12	19	212
K0420.1A6	K0420.3A6	5/8-11	50	40,5	32	7	8 / 6,8 / 5,9	14	24	435
K0420.1A7	K0420.3A7	3/4-10	60	50	42	8	8 / 6,8 / 5,9	18	30	705

KIPP Leveling Pads with vibration absorption, metric

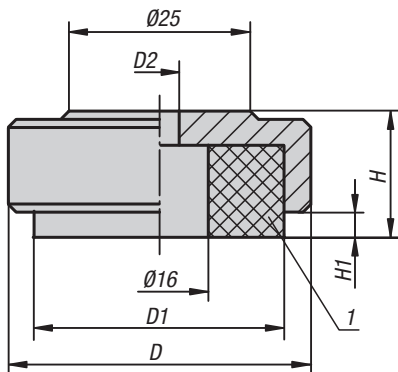
Item No. Steel	Item No. Stainless steel	D1	D2	D3	H1	H2	H3 (under pressure of 0 / 0.4 / 0.6 N/mm ²)	T	SW	Load capacity (under pressure of 0.4 N/mm ²) N
K0420.110	K0420.310	M10	32	30,5	22	5	8 / 6,8 / 5,9	10	17	212
K0420.112	K0420.312	M12	40	30,5	26	6	8 / 6,8 / 5,9	12	19	212
K0420.116	K0420.316	M16	50	40,5	32	7	8 / 6,8 / 5,9	14	24	435
K0420.120	K0420.320	M20	60	50	42	8	8 / 6,8 / 5,9	18	30	705

Locating Feet

with vibration absorption



METRIC
Parts



Material:

Plate steel,
damper plate PUR elastomer (Sylomer V12)

Type:

Plate blue chromate;
damper plate gray, fixed, cannot slip.
Range of use from -30 °C to +70 °C

Part Number Example:

K0670.046

Note:

The load capacity given in the table is a recommendation of the **permanent static** load up to which the damper plate should be used.

This static load corresponds to a surface pressure of 0.4 N/mm², at which the material reaches its optimum absorption properties. Here it is taken into account that under dynamic loading an additional load, up to 0.6 N/mm² may occur.

The damper plate absorbs vibrations and prevents slipping of the locating foot.

Drawing reference:

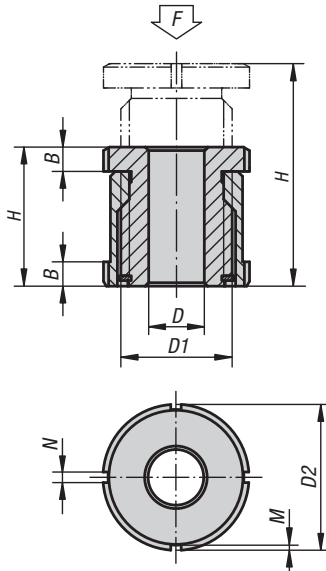
1) damper plate

KIPP Locating Feet with vibration absorption, metric

Item No.	D	D1	D2	H	H1 (under pressure of 0 / 0.4 / 0.6 N/mm ²)	Load capacity (under pressure of 0.4 N/mm ²) N
K0670.036	36	30,5	5,5	15	4 / 2,8 / 1,9	212
K0670.046	46	40,5	6,6	17	4 / 2,8 / 1,9	435
K0670.056	56	50	9	19	4 / 2,8 / 1,9	705
K0670.074	74	68	9	21	4 / 2,8 / 1,9	1372

Height adjustment bolts

METRIC
Parts



Material:

Steel 1.7225.
Stainless steel 1.4305.

Type:

Steel zinc plated, blue chromate;
stainless steel natural finish

Part Number Example:

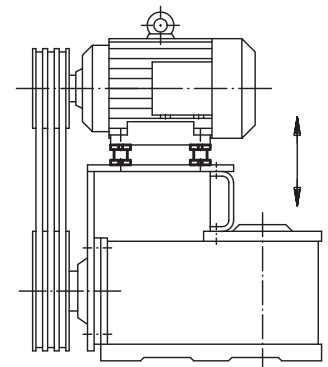
K0692.01505

Note:

The height adjustment bolts are used when dealing with the positioning and alignment of motors, motor units, drive components and production lines. They are characterised by their large travel of 15 mm to 40 mm. Other sizes available on request.

KIPP Height adjustment bolts, metric

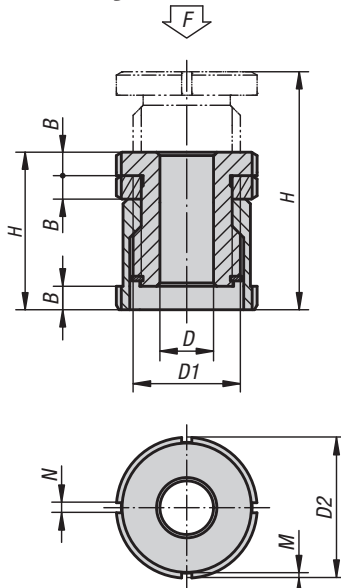
Item No.	Base material	D for screw	D1	D2	H min.	H max.	B	N	M	F kN	
K0692.01504	carbon steel	4,5	M4	M15x1	25	28	43	5	4	2	40
K0692.01505	carbon steel	5,5	M5	M15x1	25	28	43	5	4	2	40
K0692.01506	carbon steel	6,6	M6	M15x1	25	28	43	5	4	2	40
K0692.02006	carbon steel	6,6	M6	M20x1	32	35	55	6	4	2	65
K0692.02008	carbon steel	9	M8	M20x1	32	35	55	6	4	2	65
K0692.02010	carbon steel	11	M10	M20x1	32	35	55	6	4	2	65
K0692.02510	carbon steel	11	M10	M30x1,5	45	42	67	7	5	2	120
K0692.02512	carbon steel	13,5	M12	M30x1,5	45	42	67	7	5	2	120
K0692.02516	carbon steel	17,5	M16	M30x1,5	45	42	67	7	5	2	120
K0692.03216	carbon steel	17,5	M16	M40x1,5	58	54	86	9	6	2,5	210
K0692.03220	carbon steel	22	M20	M40x1,5	58	54	86	9	6	2,5	210
K0692.03224	carbon steel	26	M24	M40x1,5	58	54	86	9	6	2,5	210
K0692.04020	carbon steel	22	M20	M50x1,5	70	66	106	11	6	2,5	330
K0692.04024	carbon steel	26	M24	M50x1,5	70	66	106	11	6	2,5	330
K0692.04030	carbon steel	33	M30	M50x1,5	70	66	106	11	6	2,5	330
K0692.015041	Stainless steel	4,5	M4	M15x1	25	28	43	5	4	2	27,1
K0692.015051	Stainless steel	5,5	M5	M15x1	25	28	43	5	4	2	27,1
K0692.015061	Stainless steel	6,6	M6	M15x1	25	28	43	5	4	2	27,1
K0692.020061	Stainless steel	6,6	M6	M20x1	32	35	55	6	4	2	43,4
K0692.020081	Stainless steel	9	M8	M20x1	32	35	55	6	4	2	43,4
K0692.020101	Stainless steel	11	M10	M20x1	32	35	55	6	4	2	43,4
K0692.025101	Stainless steel	11	M10	M30x1,5	45	42	67	7	5	2	84
K0692.025121	Stainless steel	13,5	M12	M30x1,5	45	42	67	7	5	2	84
K0692.025161	Stainless steel	17,5	M16	M30x1,5	45	42	67	7	5	2	84
K0692.032161	Stainless steel	17,5	M16	M40x1,5	58	54	86	9	6	2,5	148
K0692.032201	Stainless steel	22	M20	M40x1,5	58	54	86	9	6	2,5	148
K0692.032241	Stainless steel	26	M24	M40x1,5	58	54	86	9	6	2,5	148
K0692.040201	Stainless steel	22	M20	M50x1,5	70	66	106	11	6	2,5	225
K0692.040241	Stainless steel	26	M24	M50x1,5	70	66	106	11	6	2,5	225
K0692.040301	Stainless steel	33	M30	M50x1,5	70	66	106	11	6	2,5	225



Height adjustment bolts with counter-nuts



METRIC
Parts



Material:

Steel 1.7225
stainless steel 1.4305

Type:

Steel zinc plated, blue chromate;
stainless steel natural finish

Part Number Example:

K0693.01004

Note:

The height adjustment bolts are used when dealing with the positioning and alignment of motors, motor units, drive components and production lines. The counter-nut secures the given adjustment. Other sizes available on request.

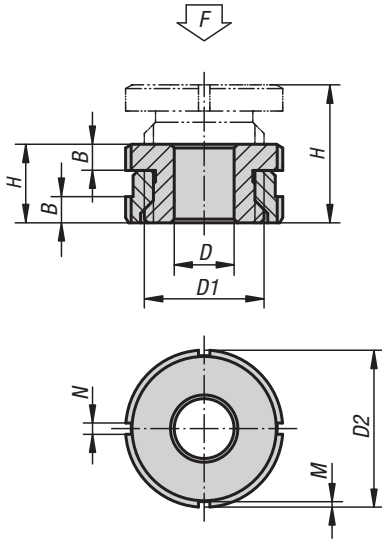
KIPP Height adjustment bolts with counter-nuts, metric

Item No.	Base material	D	for screw	D1	D2	H min.	H max.	B	N	M	F kN
K0693.01004	carbon steel	4,5	M4	M15x1	25	33	43	5	4	2	40
K0693.01005	carbon steel	5,5	M5	M15x1	25	33	43	5	4	2	40
K0693.01006	carbon steel	6,6	M6	M15x1	25	33	43	5	4	2	40
K0693.01406	carbon steel	6,6	M6	M20x1	32	41	55	6	4	2	65
K0693.01408	carbon steel	9	M8	M20x1	32	41	55	6	4	2	65
K0693.01410	carbon steel	11	M10	M20x1	32	41	55	6	4	2	65
K0693.01810	carbon steel	11	M10	M30x1,5	45	49	67	7	5	2	120
K0693.01812	carbon steel	13,5	M12	M30x1,5	45	49	67	7	5	2	120
K0693.01816	carbon steel	17,5	M16	M30x1,5	45	49	67	7	5	2	120
K0693.02316	carbon steel	17,5	M16	M40x1,5	58	63	86	9	6	2,5	210
K0693.02320	carbon steel	22	M20	M40x1,5	58	63	86	9	6	2,5	210
K0693.02324	carbon steel	26	M24	M40x1,5	58	63	86	9	6	2,5	210
K0693.02920	carbon steel	22	M20	M50x1,5	70	77	106	11	6	2,5	330
K0693.02924	carbon steel	26	M24	M50x1,5	70	77	106	11	6	2,5	330
K0693.02930	carbon steel	33	M30	M50x1,5	70	77	106	11	6	2,5	330
K0693.010041	Stainless steel	4,5	M4	M15x1	25	33	43	5	4	2	27,1
K0693.010051	Stainless steel	5,5	M5	M15x1	25	33	43	5	4	2	27,1
K0693.010061	Stainless steel	6,6	M6	M15x1	25	33	43	5	4	2	27,1
K0693.014061	Stainless steel	6,6	M6	M20x1	32	41	55	6	4	2	43,4
K0693.014081	Stainless steel	9	M8	M20x1	32	41	55	6	4	2	43,4
K0693.014101	Stainless steel	11	M10	M20x1	32	41	55	6	4	2	43,4
K0693.018101	Stainless steel	11	M10	M30x1,5	45	49	67	7	5	2	84
K0693.018121	Stainless steel	13,5	M12	M30x1,5	45	49	67	7	5	2	84
K0693.018161	Stainless steel	17,5	M16	M30x1,5	45	49	67	7	5	2	84
K0693.023161	Stainless steel	17,5	M16	M40x1,5	58	63	86	9	6	2,5	148
K0693.023201	Stainless steel	22	M20	M40x1,5	58	63	86	9	6	2,5	148
K0693.023241	Stainless steel	26	M24	M40x1,5	58	63	86	9	6	2,5	148
K0693.029201	Stainless steel	22	M20	M50x1,5	70	77	106	11	6	2,5	225
K0693.029241	Stainless steel	26	M24	M50x1,5	70	77	106	11	6	2,5	225
K0693.029301	Stainless steel	33	M30	M50x1,5	70	77	106	11	6	2,5	225

Level-compensating components



METRIC
Parts



Material:
Steel 1.7225;
stainless steel 1.4305

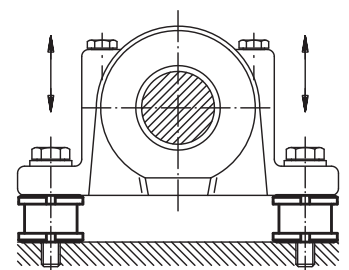
Type:
Steel zinc plated, blue chromate;
stainless steel natural finish

Part Number Example:
K0694.0404

Note:
The level-compensating bolts are used when dealing with the positioning and alignment of motors, motor units, drive components and production lines. The advantage of a level adjustment bolt is its low height. Using the level-compensating bolt, alignments can be quickly and easily made, even if several ball-bearing positions are involved. This guarantees assembly with no risk of deviation.

KIPP Level-compensating components, metric

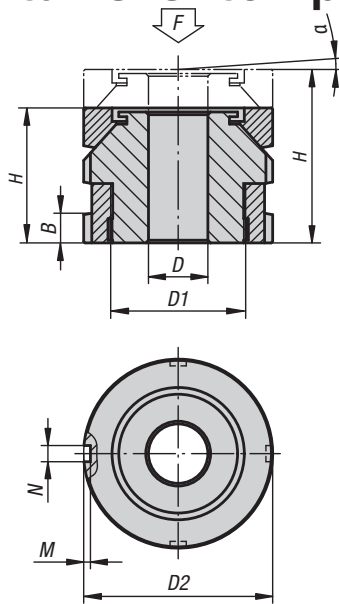
Item No.	Base material	D	for screw	D1	D2	H min.	H max.	B	N	M	F kN
K0694.0404	carbon steel	4,5	M4	M15x1	25	15	19	5	4	2	40
K0694.0405	carbon steel	5,5	M5	M15x1	25	15	19	5	4	2	40
K0694.0406	carbon steel	6,6	M6	M15x1	25	15	19	5	4	2	40
K0694.0506	carbon steel	6,6	M6	M20x1	32	18	23	6	4	2	65
K0694.0508	carbon steel	9	M8	M20x1	32	18	23	6	4	2	65
K0694.0510	carbon steel	11	M10	M20x1	32	18	23	6	4	2	65
K0694.0710	carbon steel	11	M10	M30x1,5	45	22	29	7	5	2	120
K0694.0712	carbon steel	13,5	M12	M30x1,5	45	22	29	7	5	2	120
K0694.0716	carbon steel	17,5	M16	M30x1,5	45	22	29	7	5	2	120
K0694.0916	carbon steel	17,5	M16	M40x1,5	58	28	37	9	6	2,5	210
K0694.0920	carbon steel	22	M20	M40x1,5	58	28	37	9	6	2,5	210
K0694.0924	carbon steel	26	M24	M40x1,5	58	28	37	9	6	2,5	210
K0694.1020	carbon steel	22	M20	M50x1,5	70	33	43	11	6	2,5	330
K0694.1024	carbon steel	26	M24	M50x1,5	70	33	43	11	6	2,5	330
K0694.1030	carbon steel	33	M30	M50x1,5	70	33	43	11	6	2,5	330
K0694.04041	Stainless steel	4,5	M4	M15x1	25	15	19	5	4	2	27,1
K0694.04051	Stainless steel	5,5	M5	M15x1	25	15	19	5	4	2	27,1
K0694.04061	Stainless steel	6,6	M6	M15x1	25	15	19	5	4	2	27,1
K0694.05061	Stainless steel	6,6	M6	M20x1	32	18	23	6	4	2	43,4
K0694.05081	Stainless steel	9	M8	M20x1	32	18	23	6	4	2	43,4
K0694.05101	Stainless steel	11	M10	M20x1	32	18	23	6	4	2	43,4
K0694.07101	Stainless steel	11	M10	M30x1,5	45	22	29	7	5	2	84
K0694.07121	Stainless steel	13,5	M12	M30x1,5	45	22	29	7	5	2	84
K0694.07161	Stainless steel	17,5	M16	M30x1,5	45	22	29	7	5	2	84
K0694.09161	Stainless steel	17,5	M16	M40x1,5	58	28	37	9	6	2,5	148
K0694.09201	Stainless steel	22	M20	M40x1,5	58	28	37	9	6	2,5	148
K0694.09241	Stainless steel	26	M24	M40x1,5	58	28	37	9	6	2,5	148
K0694.10201	Stainless steel	22	M20	M50x1,5	70	33	43	11	6	2,5	225
K0694.10241	Stainless steel	26	M24	M50x1,5	70	33	43	11	6	2,5	225
K0694.10301	Stainless steel	33	M30	M50x1,5	70	33	43	11	6	2,5	225



Spherical level-compensating bolts



METRIC
Parts



Material:
Steel 1.7225;
stainless steel 1.4305

Type:
Steel zinc plated, blue chromate;
stainless steel natural finish

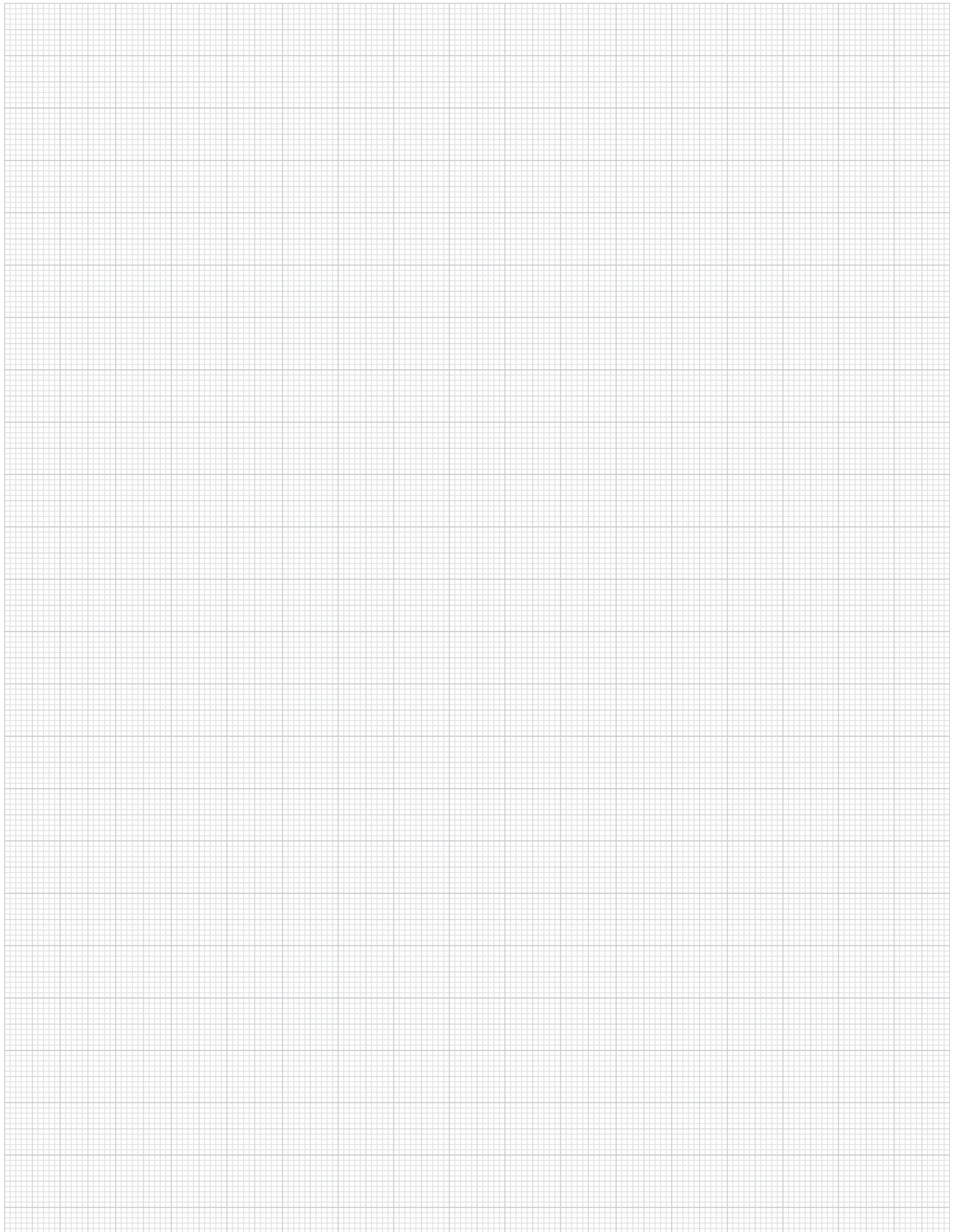
Part Number Example:
K0695.0406

Note:
The spherical level-compensating bolt is used when dealing with the positioning and alignment of motors, motor units, drive elements and production lines. Exact positioning in the assembly of sloped baseplates up to a 4° angle of inclination can be achieved with the spherical level-compensating bolt.

KIPP Spherical level-compensating bolts, metric

Item No.	Base material	D	for screw	D1	D2	H min.	H max.	B	N	M	α	F kN
K0695.0406	carbon steel	6,6	M6	M15x1	25	22	26	5	4	2	4°	40
K0695.0506	carbon steel	6,6	M6	M20x1	32	26	31	6	4	2	4°	65
K0695.0508	carbon steel	9	M8	M20x1	32	26	31	6	4	2	4°	65
K0695.0510	carbon steel	11	M10	M20x1	32	26	31	6	4	2	4°	65
K0695.0710	carbon steel	11	M10	M30x1,5	45	34	41	7	5	2	4°	120
K0695.0712	carbon steel	13,5	M12	M30x1,5	45	34	41	7	5	2	4°	120
K0695.0716	carbon steel	17,5	M16	M30x1,5	45	34	41	7	5	2	4°	120
K0695.0916	carbon steel	17,5	M16	M40x1,5	58	44	53	9	6	2,5	4°	210
K0695.0920	carbon steel	22	M20	M40x1,5	58	44	53	9	6	2,5	4°	210
K0695.0924	carbon steel	26	M24	M40x1,5	58	44	53	9	6	2,5	4°	210
K0695.1020	carbon steel	22	M20	M50x1,5	70	50	60	11	6	2,5	4°	330
K0695.1024	carbon steel	26	M24	M50x1,5	70	50	60	11	6	2,5	4°	330
K0695.1030	carbon steel	33	M30	M50x1,5	70	50	60	11	6	2,5	4°	330
K0695.1224	carbon steel	26	M24	M60x2	80	56	68	11	7	3	4°	495
K0695.1230	carbon steel	33	M30	M60x2	80	56	68	11	7	3	4°	495
K0695.04061	Stainless steel	6,6	M6	M15x1	25	22	26	5	4	2	4°	27,1
K0695.05061	Stainless steel	6,6	M6	M20x1	32	26	31	6	4	2	4°	43,4
K0695.05081	Stainless steel	9	M8	M20x1	32	26	31	6	4	2	4°	43,4
K0695.05101	Stainless steel	11	M10	M20x1	32	26	31	6	4	2	4°	43,4
K0695.07101	Stainless steel	11	M10	M30x1,5	45	34	41	7	5	2	4°	84
K0695.07121	Stainless steel	13,5	M12	M30x1,5	45	34	41	7	5	2	4°	84
K0695.07161	Stainless steel	17,5	M16	M30x1,5	45	34	41	7	5	2	4°	84
K0695.09161	Stainless steel	17,5	M16	M40x1,5	58	44	53	9	6	2,5	4°	148
K0695.09201	Stainless steel	22	M20	M40x1,5	58	44	53	9	6	2,5	4°	148
K0695.09241	Stainless steel	26	M24	M40x1,5	58	44	53	9	6	2,5	4°	148
K0695.10201	Stainless steel	22	M20	M50x1,5	70	50	60	11	6	2,5	4°	225
K0695.10241	Stainless steel	26	M24	M50x1,5	70	50	60	11	6	2,5	4°	225
K0695.10301	Stainless steel	33	M30	M50x1,5	70	50	60	11	6	2,5	4°	225
K0695.12241	Stainless steel	26	M24	M60x2	80	56	68	11	7	3	4°	323
K0695.12301	Stainless steel	33	M30	M60x2	80	56	68	11	7	3	4°	323

Notes:



Technical information for rubber buffers

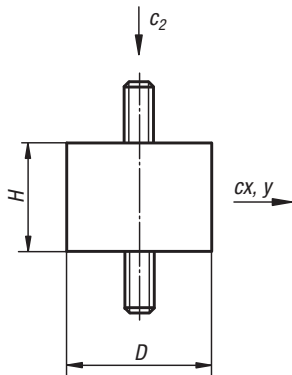


Note:

Our rubber buffers are simple and cost-efficient standard units for elastic bearing. They are ideally suited for compressive and axial loads of the most diverse ranges of application. In the case of shear stress, however, they are substantially less resilient than in compressive stress. The adjacent tables provide an overview of the guide values for static load. In the case of high dynamic alternating loads or that of high frequencies, the load indices are to be reduced proportionately.

Guide values for static load (excerpt from K0566, K0568, K0569 and K0571)

Style	D	H	Compressive loads						Shear stresses					
			Spring rate c ₂ in N/mm			Permissible load F in N			Spring rate c _{x, y} in N/mm			Permissible load F in N		
			hard	medium	soft	hard	medium	soft	hard	medium	soft	hard	medium	soft
A	20	15	300	190	120	500	320	200	60	40	30	190	120	70
A	30	15	670	410	250	1100	700	400	90	60	40	350	210	130
A	30	30	240	150	100	900	570	340	50	30	20	430	280	170
A	40	30	480	300	170	1800	1110	670	90	60	30	770	500	250
A	50	20	240	1500	90	5000	3190	1870	240	160	100	1200	770	460
A	50	40	600	280	220	2800	1750	1050	120	80	50	1280	800	460
A	75	25	5000	2900	1700	12800	8000	4700	410	260	160	2800	1750	1030
A	75	55	650	400	240	4700	3000	1750	130	80	50	2100	1300	800
B	25	20	320	160	120	490	320	190	70	45	25	230	160	90
B	30	20	660	430	260	830	520	310	100	75	50	330	210	130
B	40	30	550	350	210	1250	750	450	110	70	40	520	330	200
B	40	30	550	350	210	1250	750	450	110	70	40	520	330	200
B	50	40	560	370	220	2100	1270	760	120	80	45	930	580	350
B	50	50	350	220	130	1750	1100	650	80	50	30	800	510	310
B	75	50	950	630	330	4700	2910	1720	180	120	80	1900	1200	710
C	20	25	200	130	80	300	190	120	50	30	20	150	90	60
C	30	30	590	380	220	720	450	270	90	60	50	260	170	110
C	40	30	900	570	340	1080	680	410	150	90	60	380	240	140
C	50	30	1700	1090	650	2500	1750	950	210	150	70	470	290	170
C	50	50	360	220	140	1390	870	520	80	40	30	610	390	230
C	75	50	1010	630	370	3650	2050	1200	200	130	80	1560	980	580



Style	D	H	Compressive loads	
			Spring rate c ₂ in N/mm medium	Permissible load F in N medium
D	25	20	20	150
D	30	20	20	330
D	40	30	30	250
D	50	20	20	660
D	75	25	25	1430

Rubber hardness:

hard = 70 Shore medium = 55 Shore soft = 45 Shore

For general guidance natural rubber is ca. 55 Shore.

static compression load: F (max.) = approx. 6.5 kg/cm² (63.77 N/cm²)

static axial load: F (max.) = approx. 1.5 kg/cm² (14.72 N/cm²)

by ca. 10% spring displacement or transverse movement by axial loads.

Naturally, much higher loads are possible without damage. However, these considerably effect the rubber buffer in its primary purpose. Tensile loads are possible but should be avoided on account of the peak stress at the contact edges and the notch sensitivity of rubber.

Tolerances for rubber buffers:

Permissible dimensional deviations per DIN 7751 Part 2. Permissible hardness deviation ±5 Shore A.

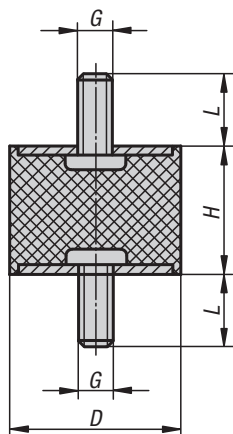
Synoptical Table - Properties of the Individual Materials

Abbreviation	Rubber material Polymer	Temperature	Main Characteristics - Resistance to								
			Tensile strength	Fracture strain	Aging	Ozone	Petrol	Oil	Acid	Alkalis	Tensile strain
NR (NK)	Natural rubber	-30 °C – +80 °C	1	1	3	4	6	6	3	3	600%
SBR	Styrene-butadiene rubber	-30 °C – +80 °C	5	2	3	4	4	5	3	3	450%
CR	Chloroprene rubber	-20 °C – +110 °C	3	2	2	2	2	2	2	2	450%
NBR	Acrylonitrile-butadiene rubber	-30 °C – +120 °C	5	2	3	3	1	1	4	3	450%
EPDM	Ethylene propylene terpolymer	-30 °C – +130 °C	5	3	1	1	5	4	1	2	450%
SI	Silicone rubber	-60 °C – +200 °C	6	4	1	1	5	4	5	5	500%

1 = excellent 2 = very good 3 = good 4 = moderate 5 = low 6 = insufficient

Rubber buffers

style A

METRIC
Parts


KIPP Rubber buffers, style A, metric

Item No.	D	G	L	H	Spring stiffness N/mm	Load N
K0566.00800855	8	M3	6	8	24	31
K0566.01001055	10	M4	10	10	35	32
K0566.01001555	10	M4	10	15	50	50
K0566.01500855	15	M4	10	8	130	104
K0566.01501055	15	M4	10	10	122	122
K0566.01501555	15	M4	10	15	59	88
K0566.02000855	20	M6	18	8	725	580
K0566.02001055	20	M6	18	10	300	300
K0566.02001555	20	M6	18	15	200	300
K0566.02002055	20	M6	18	20	133	332
K0566.02002555	20	M6	18	25	90	270
K0566.02501055	25	M6	18	10	800	800
K0566.02501555	25	M6	18	15	294	441
K0566.02502055	25	M6	18	20	200	500
K0566.02502555	25	M6	18	25	94	282
K0566.02503055	25	M6	18	30	70	280
K0566.03001555	30	M8	23	15	587	880
K0566.03002055	30	M8	23	20	318	795
K0566.03002555	30	M8	23	25	183	549
K0566.03003055	30	M8	23	30	150	600
K0566.03004055	30	M8	23	40	77	385
K0566.04001555	40	M8	23	15	1250	1875
K0566.04002055	40	M8	23	20	565	1412
K0566.04003055	40	M8	23	30	300	1200
K0566.04004055	40	M8	23	40	189	945
K0566.05002055	50	M10	28	20	1300	3250
K0566.05002555	50	M10	28	25	667	2000
K0566.05003055	50	M10	28	30	500	2000
K0566.05004055	50	M10	28	40	300	1500
K0566.05005055	50	M10	28	50	193	1153
K0566.06004055	60	M10	28	40	377	1885
K0566.07004555	70	M10	28	45	410	2255
K0566.07502555	75	M12	37	25	1655	4965
K0566.07504055	75	M12	37	40	717	3585
K0566.07505055	75	M12	37	50	470	2820
K0566.07505555	75	M12	37	55	405	2835

Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0566.00800855

Note:

The rubber buffers are widely-used construction devices for elastic bearings. They are used, among other things, as bearings for assemblies, motors, compressors, pumps and testing machines.

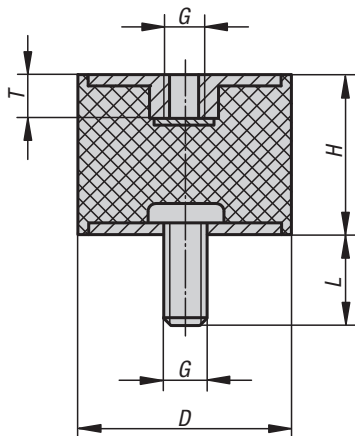
Temperature range:

-30 °C up to +80 °C.

Rubber buffers

style B

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness, 55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0568.00800855

Note:

The rubber buffers are widely-used construction devices for elastic bearing. They are used, among other things, as mountings for assemblies, motors, compressors, pumps and testing machines.

Temperature range:

-30 °C up to +80 °C.

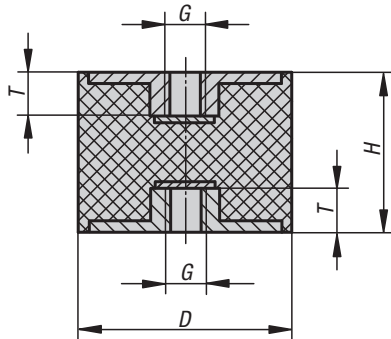
KIPP Rubber buffers, style B, metric

Item No.	D	H	G	L	T	Spring stiffness N/mm	Load N
K0568.00800855	8	8	M3	6	3	35	17
K0568.01001055	10	10	M4	10	4	75	75
K0568.01001555	10	15	M4	10	4	50	60
K0568.01500855	15	10	M4	10	4	130	130
K0568.01501555	15	15	M4	10	4	100	120
K0568.02001555	20	15	M6	18	6	325	390
K0568.02002055	20	20	M6	18	6	130	260
K0568.02002555	20	25	M6	18	6	95	210
K0568.02501555	25	15	M6	18	6	333	399
K0568.02502055	25	20	M6	18	6	195	410
K0568.02502555	25	25	M6	18	6	117	257
K0568.02503055	25	30	M6	18	6	100	300
K0568.03001555	30	15	M8	23	8	590	708
K0568.03002055	30	20	M8	23	8	280	560
K0568.03002555	30	25	M8	23	8	180	396
K0568.03003055	30	30	M8	23	8	168	504
K0568.03004055	30	40	M8	23	8	88	308
K0568.04002055	40	20	M8	23	8	700	840
K0568.04003055	40	30	M8	23	8	273	820
K0568.04004055	40	40	M8	23	8	189	660
K0568.05002055	50	20	M10	28	10	1471	2500
K0568.05002555	50	25	M10	28	10	630	1386
K0568.05003055	50	30	M10	28	10	545	1635
K0568.05004055	50	40	M10	28	10	310	1116
K0568.05005055	50	50	M10	28	10	180	900
K0568.06004055	60	40	M10	28	10	500	1750
K0568.07004555	70	45	M10	28	10	600	2400
K0568.07502555	75	25	M12	37	12	2440	3660
K0568.07504055	75	40	M12	37	12	700	2450
K0568.07505055	75	50	M12	37	12	520	2600
K0568.07505555	75	55	M12	37	12	396	2178

Rubber buffers

style C

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0569.01001055

Note:

The rubber buffers are widely-used construction devices for elastic bearings. They are used, among other things, as mountings for assemblies, motors, compressors, pumps and testing machines.

Temperature range:

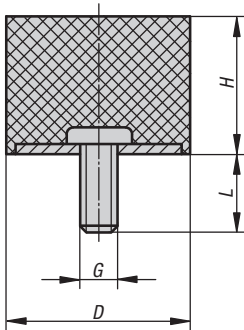
-30 °C up to +80 °C.

KIPP Rubber buffers, style C, metric

Item No.	Base material	D	H	G	T	Spring stiffness N/mm	Load N
K0569.01001055	Steel	10	10	M4	4	100	50
K0569.01001555	Steel	10	15	M4	4	50	50
K0569.01501555	Steel	15	15	M4	4	100	100
K0569.02002055	Steel	20	20	M6	6	230	276
K0569.02002555	Steel	20	25	M6	6	120	180
K0569.02502055	Steel	25	20	M6	6	230	276
K0569.02502555	Steel	25	25	M6	6	110	165
K0569.02503055	Steel	25	30	M6	6	80	160
K0569.03002055	Steel	30	20	M8	8	425	637
K0569.03003055	Steel	30	30	M8	8	175	350
K0569.03004055	Steel	30	40	M8	8	133	400
K0569.04003055	Steel	40	30	M8	8	530	1060
K0569.04004055	Steel	40	40	M8	8	222	666
K0569.05003055	Steel	50	30	M10	10	680	1360
K0569.05004055	Steel	50	40	M10	10	333	1000
K0569.05005055	Steel	50	50	M10	10	190	665
K0569.07504055	Steel	75	40	M12	12	750	2250
K0569.07505055	Steel	75	50	M12	12	636	2225

Rubber buffers

style D

METRIC
Parts

KIPP Rubber buffers, style D, metric

Item No.	D	H	G	L	Spring stiffness N/mm	Load N
K0571.00800855	8	8	M3	6	40	40
K0571.01001055	10	10	M4	10	35	35
K0571.01001555	10	15	M4	10	26	40
K0571.01500655	15	6	M4	10	175	88
K0571.01500855	15	8	M4	10	187	187
K0571.01501055	15	10	M4	10	100	100
K0571.01501555	15	15	M4	10	50	100
K0571.02000555	20	5	M6	18	135	95
K0571.02000855	20	8	M6	18	250	250
K0571.02001055	20	10	M6	18	240	240
K0571.02001555	20	15	M6	18	110	220
K0571.02002055	20	20	M6	18	75	225
K0571.02002555	20	25	M6	18	65	227,5
K0571.02500855	25	8	M6	18	850	850
K0571.02501055	25	10	M6	18	400	400
K0571.02501555	25	15	M6	18	210	420
K0571.02502055	25	20	M6	18	140	420
K0571.02502555	25	25	M6	18	100	350
K0571.02503055	25	30	M6	18	79	316
K0571.03001555	30	15	M8	23	270	540
K0571.03002055	30	20	M8	23	238	714
K0571.03002555	30	25	M8	23	153	535,5
K0571.03003055	30	30	M8	23	127	508
K0571.03004055	30	40	M8	23	88	528
K0571.04001555	40	15	M8	23	710	1420
K0571.04002055	40	20	M8	23	365	1095
K0571.04003055	40	30	M8	23	205	820
K0571.04004055	40	40	M8	23	143	858
K0571.05002055	50	20	M10	28	646	1938
K0571.05003055	50	30	M10	28	354	1416
K0571.05004055	50	40	M10	28	230	1380
K0571.05005055	50	50	M10	28	160	1280
K0571.06004055	60	40	M10	28	317	1902
K0571.07002555	70	25	M10	28	980	3430
K0571.07004555	70	45	M10	28	438	3066
K0571.07502555	75	25	M12	37	1318	4613
K0571.07504055	75	40	M12	37	643	3858
K0571.07505055	75	50	M12	37	472	3776
K0571.07505555	75	55	M12	37	310	3100

Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0571.00800855

Note:

The rubber buffers are used, among other things, for the bearing of assemblies and as a shock stop for the limitation of spring travel in the case of moving masses. Also used with machines that are not firmly anchored to a stand and rest on weak floorings, e.g., office machines.

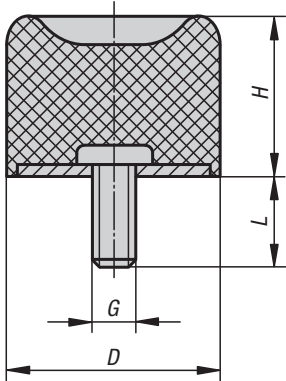
Temperature range:

-30 °C up to +80 °C.

Rubber buffers

style DS suction base

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
57 Shore A

Type:

Steel galvanized.

Part Number Example:

K0572.01501457

Note:

The rubber buffers are used, among other things, for the bearing of assemblies and as a shock stop for the limitation of spring travel in the case of moving masses.

Temperature range:

-30 °C up to +80 °C.

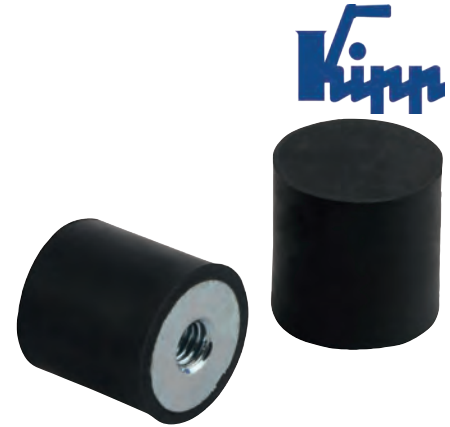
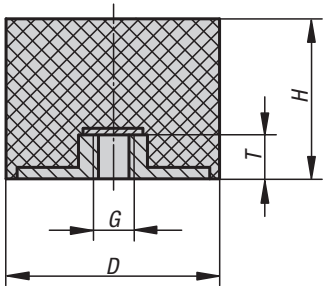
KIPP Rubber buffers, style DS suction base, metric

Item No.	D	H	G	L	Spring stiffness N/mm	Load N
K0572.01501457	15	14	M4	13	50	100
K0572.02501857	25	18,5	M6	18	95	285
K0572.03002857	30	28,5	M8	23	97	340
K0572.04002857	40	28	M8	23	120	480
K0572.05002857	50	28	M10	28	220	990
K0572.07003057	70	30	M10	28	360	2160
K0572.07503757	75	37	M12	37	390	3510
K0572.10005057	100	50	M16	42	540	8100

Rubber buffers

style E

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0573.00800855

Note:

The rubber buffers are widely-used construction devices for elastic bearing. They are used, among other things, as mountings for assemblies, motors, compressors, pumps and testing machines.

Temperature range:

-30 °C up to +80 °C.

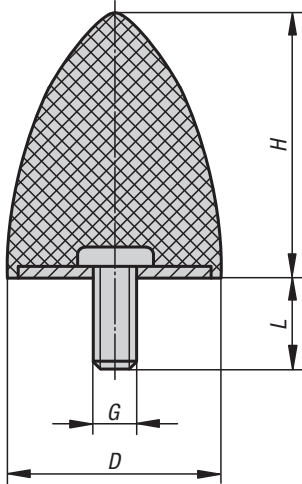
KIPP Rubber buffers, style E, metric

Item No.	D	H	G	T	Spring stiffness N/mm	Load N
K0573.00800855	8	8	M3	3	88	44
K0573.01501255	15	12	M4	4	165	182
K0573.01501555	15	15	M4	4	100	130
K0573.01502055	15	20	M4	4	75	113
K0573.02001555	20	15	M6	6	145	246
K0573.02002055	20	20	M6	6	94	216
K0573.02002555	20	25	M6	6	65	169
K0573.02501555	25	15	M6	6	270	540
K0573.02502555	25	25	M6	6	105	315
K0573.02503055	25	30	M6	6	85	281
K0573.02504055	25	40	M6	6	75	300
K0573.03001555	30	15	M8	8	545	491
K0573.03002555	30	25	M8	8	160	416
K0573.03003055	30	30	M8	8	125	425
K0573.03004055	30	40	M8	8	85	315
K0573.04002055	40	20	M8	8	550	660
K0573.04002555	40	25	M8	8	500	1000
K0573.04003055	40	30	M8	8	300	870
K0573.04004055	40	40	M8	8	260	1040
K0573.05002055	50	20	M10	10	860	860
K0573.05002555	50	25	M10	10	700	1400
K0573.05003055	50	30	M10	10	450	1575
K0573.05004055	50	40	M10	10	350	1400
K0573.05005055	50	50	M10	10	170	850
K0573.06003055	60	30	M10	10	700	1400
K0573.06004055	60	40	M10	10	400	1600
K0573.06005055	60	50	M10	10	240	1200
K0573.07004255	70	42	M10	10	520	2600
K0573.07004555	70	45	M10	10	680	3060
K0573.07502555	75	25	M12	12	1211	1816
K0573.07503055	75	30	M12	12	1090	2289
K0573.07504055	75	40	M12	12	500	2000
K0573.07505055	75	50	M12	12	550	2750

Rubber impact buffers

parabolic

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0574.02002455

Note:

Rubber impact buffers are robust and effective elastic cushioning elements and shock absorbers. These buffers are ideal for elastic travel limitation and cushioning knocks by mobile and immobile assemblies and machines and as use as door stops.

Temperature range:

-30 °C up to +80 °C.

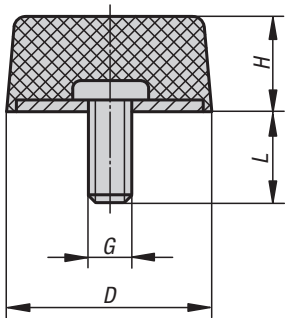
KIPP Rubber impact buffers, parabolic, metric

Item No.	D	H	G	L	Spring stiffness N/mm	Load N
K0574.02002455	20	24	M6	18	14	500
K0574.03003655	30	36	M8	20	15	750
K0574.03504055	35	40	M8	20	-	-
K0574.05005855	50	58	M10	28	30	3000
K0574.05006755	50	67	M8	38	30	3200
K0574.07508955	75	89	M12	37	50	8000

Rubber impact buffers

conical

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0575.02501755

Note:

Rubber impact buffers excel in their robustness and the effective cushioning and abatement of shocks. Rubber impact buffers are ideally suited for elastic travel Limitation and for the cushioning of shocks in the case of mobile and immobile assemblies, machines, and as stops in general.

Temperature range:

-30 °C up to +80 °C.

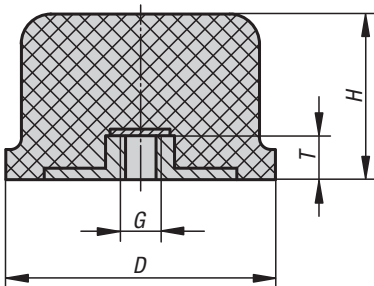
KIPP Rubber impact buffers, conical, metric

Item No.	D	H	G	L	Spring stiffness N/mm	Load N
K0575.02501755	25	17	M6	18	3,7	678
K0575.05001855	50	18	M10	28	4	3600

Rubber impact buffers

spherical

METRIC
Parts



Material:

Metal parts, galvanized steel, class 5.6;
elastomer, natural rubber, medium hardness,
55 Shore A

Type:

Steel galvanized.

Part Number Example:

K0576.05003555

Note:

Rubber impact buffers excel in their robustness and the effective cushioning and abatement of shocks. Rubber impact buffers are ideally suited for elastic travel limitation and for the cushioning of shocks in the case of mobile and immobile assemblies, machines, and as stops in general.

Temperature range:

-30 °C up to +80 °C.

KIPP Rubber impact buffers, spherical, metric

Item No.	D	H	G	T	Spring stiffness N/mm	Load N
K0576.05003555	50	35	M10	10	120	3000
K0576.08006055	80	60	M12	12	150	11000
K0576.12509055	125	93	M16	16	200	20000

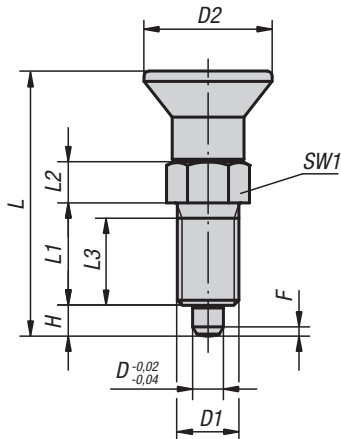
Indexing Plungers

pull knob

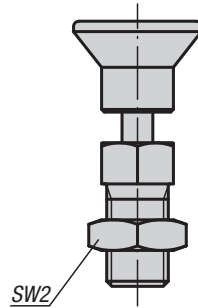
INCH
Parts



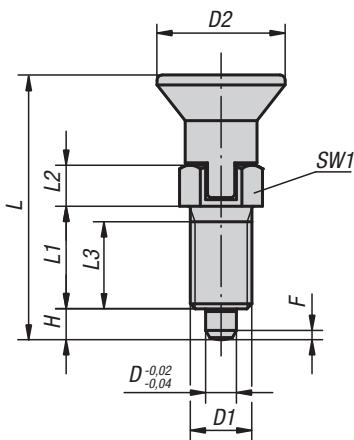
Style A
non-lockout type
without locknut



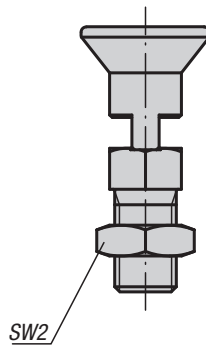
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0338.1903AJ

Note:

Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been manually disengaged. Style C or D is recommended for applications in which gradual disengagement of the locking bolt is desired where a springing back of the pin should be prevented.

On request:

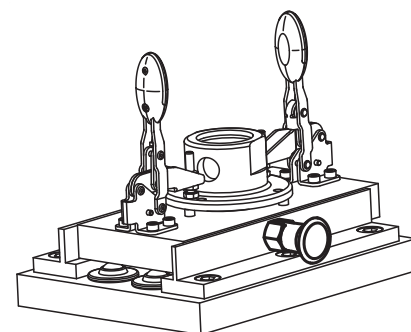
Special versions and spacer rings.

KIPP Indexing Plungers, pull knob, steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.1903AJ	K0338.2903AJ	K0338.3903AJ	K0338.4903AJ	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.1004AK	K0338.2004AK	K0338.3004AK	K0338.4004AK	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.1105AL	K0338.2105AL	K0338.3105AL	K0338.4105AL	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.1206A5	K0338.2206A5	K0338.3206A5	K0338.4206A5	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.1308A6	K0338.2308A6	K0338.3308A6	K0338.4308A6	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.1410A7	K0338.2410A7	K0338.3410A7	K0338.4410A7	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.1412A0	K0338.2412A0	K0338.3412A0	K0338.4412A0	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.1516A8	K0338.2516A8	K0338.3516A8	K0338.4516A8	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

Indexing Plungers

pull knob



KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.01903AJ	K0338.02903AJ	K0338.03903AJ	K0338.04903AJ	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.01004AK	K0338.02004AK	K0338.03004AK	K0338.04004AK	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.01105AL	K0338.02105AL	K0338.03105AL	K0338.04105AL	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.01206A5	K0338.02206A5	K0338.03206A5	K0338.04206A5	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.01308A6	K0338.02308A6	K0338.03308A6	K0338.04308A6	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.01410A7	K0338.02410A7	K0338.03410A7	K0338.04410A7	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.01412A0	K0338.02412A0	K0338.03412A0	K0338.04412A0	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.01516A8	K0338.02516A8	K0338.03516A8	K0338.04516A8	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.11903AJ	K0338.12903AJ	K0338.13903AJ	K0338.14903AJ	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.11004AK	K0338.12004AK	K0338.13004AK	K0338.14004AK	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.11105AL	K0338.12105AL	K0338.13105AL	K0338.14105AL	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.11206A5	K0338.12206A5	K0338.13206A5	K0338.14206A5	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.11308A6	K0338.12308A6	K0338.13308A6	K0338.14308A6	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.11410A7	K0338.12410A7	K0338.13410A7	K0338.14410A7	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.11412A0	K0338.12412A0	K0338.13412A0	K0338.14412A0	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.11516A8	K0338.12516A8	K0338.13516A8	K0338.14516A8	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

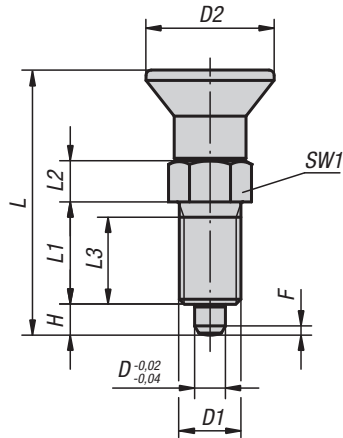
Indexing Plungers

pull knob

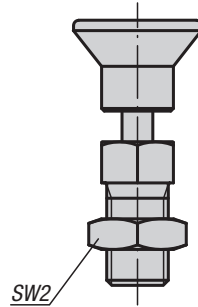
METRIC
Parts



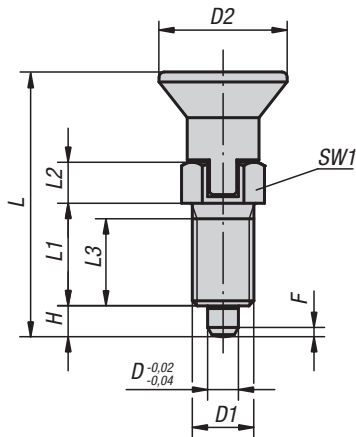
Style A
non-lockout type
without locknut



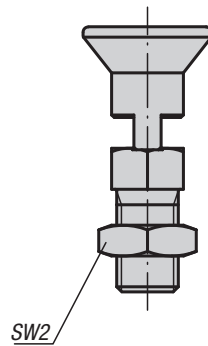
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0338.1903AJ

Note:

Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been manually disengaged. Style C or D is recommended for applications in which gradual disengagement of the locking bolt is desired where a springing back of the pin should be prevented.

On request:

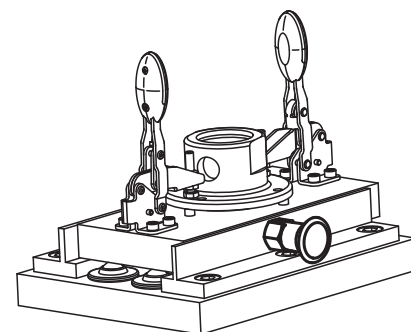
Special versions and spacer rings.

KIPP Indexing Plungers, pull knob, steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.1903	K0338.2903	K0338.3903	K0338.4903	3	M6x0,75	14	31,5	12	5	10	3,5	8	-10/-10	0,8	4,5	10
K0338.1004	K0338.2004	K0338.3004	K0338.4004	4	M8x1	18	38,5	15	6	13	4	10	-13/-13	1	6	12
K0338.1105	K0338.2105	K0338.3105	K0338.4105	5	M10x1	21	43,5	17	7	15	5	13	-17/-17	1,3	5	12
K0338.1206	K0338.2206	K0338.3206	K0338.4206	6	M12x1,5	25	51,7	20	8	17	6	14	-19/-19	1,8	6	14
K0338.1308	K0338.2308	K0338.3308	K0338.4308	8	M16x1,5	33	68	26	10	23	8	19	-24/-24	2,3	15	35
K0338.1410	K0338.2410	K0338.3410	K0338.4410	10	M20x1,5	33	74	28	12	25	10	22	-30/-30	2,8	15	34
K0338.1412	K0338.2412	K0338.3412	K0338.4412	12	M20x1,5	33	78	28	14	25	12	22	-30/-30	2,8	15	39
K0338.1516	K0338.2516	K0338.3516	K0338.4516	16	M24x2	40	96	32	18	28	16	27	-36/-36	3,2	20	46

Indexing Plungers

pull knob



KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.01903	K0338.02903	K0338.03903	K0338.04903	3	M6x0,75	14	31,5	12	5	10	3,5	8	-/10-/10	0,8	4,5	10
K0338.01004	K0338.02004	K0338.03004	K0338.04004	4	M8x1	18	38,5	15	6	13	4	10	-/13-/13	1	6	12
K0338.01105	K0338.02105	K0338.03105	K0338.04105	5	M10x1	21	43,5	17	7	15	5	13	-/17-/17	1,3	5	12
K0338.01206	K0338.02206	K0338.03206	K0338.04206	6	M12x1,5	25	51,7	20	8	17	6	14	-/19-/19	1,8	6	14
K0338.01308	K0338.02308	K0338.03308	K0338.04308	8	M16x1,5	33	68	26	10	23	8	19	-/24-/24	2,3	15	35
K0338.01410	K0338.02410	K0338.03410	K0338.04410	10	M20x1,5	33	74	28	12	25	10	22	-/30-/30	2,8	15	34
K0338.01412	K0338.02412	K0338.03412	K0338.04412	12	M20x1,5	33	78	28	14	25	12	22	-/30-/30	2,8	15	39
K0338.01516	K0338.02516	K0338.03516	K0338.04516	16	M24x2	40	96	32	18	28	16	27	-/36-/36	3,2	20	46

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.11903	K0338.12903	K0338.13903	K0338.14903	3	M6x0,75	14	31,5	12	5	10	3,5	8	-/10-/10	0,8	4,5	10
K0338.11004	K0338.12004	K0338.13004	K0338.14004	4	M8x1	18	38,5	15	6	13	4	10	-/13-/13	1	6	12
K0338.11105	K0338.12105	K0338.13105	K0338.14105	5	M10x1	21	43,5	17	7	15	5	13	-/17-/17	1,3	5	12
K0338.11206	K0338.12206	K0338.13206	K0338.14206	6	M12x1,5	25	51,7	20	8	17	6	14	-/19-/19	1,8	6	14
K0338.11308	K0338.12308	K0338.13308	K0338.14308	8	M16x1,5	33	68	26	10	23	8	19	-/24-/24	2,3	15	35
K0338.11410	K0338.12410	K0338.13410	K0338.14410	10	M20x1,5	33	74	28	12	25	10	22	-/30-/30	2,8	15	34
K0338.11412	K0338.12412	K0338.13412	K0338.14412	12	M20x1,5	33	78	28	14	25	12	22	-/30-/30	2,8	15	39
K0338.11516	K0338.12516	K0338.13516	K0338.14516	16	M24x2	40	96	32	18	28	16	27	-/36-/36	3,2	20	46

Indexing Plungers

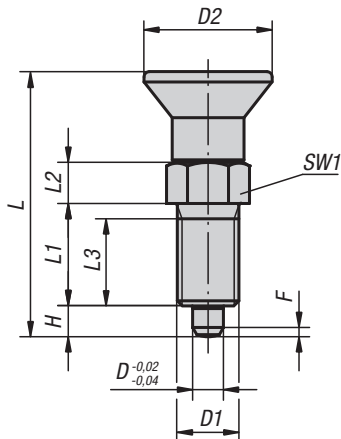
pull knob

INCH
Parts

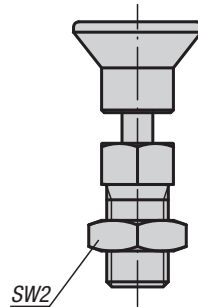
New Item



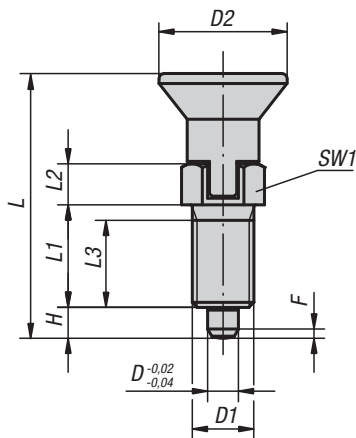
Style A
non-lockout type
without locknut



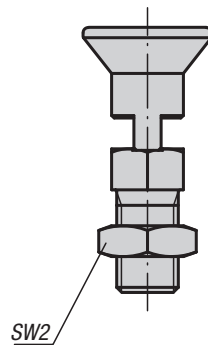
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in red thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Order information:

K0338.0420684

Note:

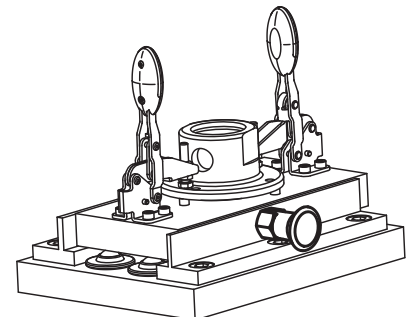
Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been manually disengaged. Style C or D is recommended for applications in which gradual disengagement of the locking bolt is desired where a springing back of the pin should be prevented.

On request:

Special versions.

Accessories:

Spacer rings K0665



Indexing Plungers

pull knob



KIPP Indexing plungers, steel, indexing pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.1903AJ84	K0338.2903AJ84	K0338.3903AJ84	K0338.4903AJ84	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.1004AK84	K0338.2004AK84	K0338.3004AK84	K0338.4004AK84	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.1105AL84	K0338.2105AL84	K0338.3105AL84	K0338.4105AL84	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.1206A584	K0338.2206A584	K0338.3206A584	K0338.4206A584	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.1308A684	K0338.2308A684	K0338.3308A684	K0338.4308A684	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.1410A784	K0338.2410A784	K0338.3410A784	K0338.4410A784	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.1412A084	K0338.2412A084	K0338.3412A084	K0338.4412A084	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.1516A884	K0338.2516A884	K0338.3516A884	K0338.4516A884	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

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

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.01903AJ84	K0338.02903AJ84	K0338.03903AJ84	K0338.04903AJ84	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.01004AK84	K0338.02004AK84	K0338.03004AK84	K0338.04004AK84	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.01105AL84	K0338.02105AL84	K0338.03105AL84	K0338.04105AL84	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.01206A584	K0338.02206A584	K0338.03206A584	K0338.04206A584	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.01308A684	K0338.02308A684	K0338.03308A684	K0338.04308A684	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.01410A784	K0338.02410A784	K0338.03410A784	K0338.04410A784	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.01412A084	K0338.02412A084	K0338.03412A084	K0338.04412A084	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.01516A884	K0338.02516A884	K0338.03516A884	K0338.04516A884	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

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

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.11903AJ84	K0338.12903AJ84	K0338.13903AJ84	K0338.14903AJ84	3	1/4-28	14	31,5	12	5	10	3,5	8	-7/16/-7/16	0,8	4,5	10
K0338.11004AK84	K0338.12004AK84	K0338.13004AK84	K0338.14004AK84	4	5/16-24	18	38,5	15	6	13	4	10	-1/2/-1/2	1	6	12
K0338.11105AL84	K0338.12105AL84	K0338.13105AL84	K0338.14105AL84	5	3/8-24	21	43,5	17	7	15	5	13	-9/16/-9/16	1,3	5	12
K0338.11206A584	K0338.12206A584	K0338.13206A584	K0338.14206A584	6	1/2-13	25	51,7	20	8	16	6	14	-3/4/-3/4	1,8	6	14
K0338.11308A684	K0338.12308A684	K0338.13308A684	K0338.14308A684	8	5/8-11	33	68	26	10	21	8	19	-15/16/-15/16	2,3	15	35
K0338.11410A784	K0338.12410A784	K0338.13410A784	K0338.14410A784	10	3/4-10	33	74	28	12	23	10	22	-1,125/-1,125	2,8	15	40
K0338.11412A084	K0338.12412A084	K0338.13412A084	K0338.14412A084	12	3/4-16	33	78	28	14	25	12	22	-1,125/-1,125	2,8	15	39
K0338.11516A884	K0338.12516A884	K0338.13516A884	K0338.14516A884	16	1-8	40	96	32	18	28	16	27	-1,5/-1,5	3,2	20	46

Indexing Plungers

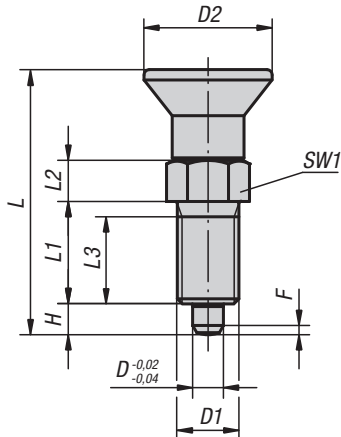
pull knob

METRIC
Parts

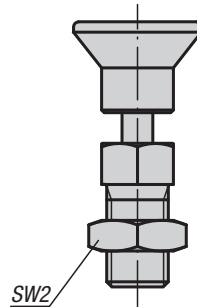
New Item



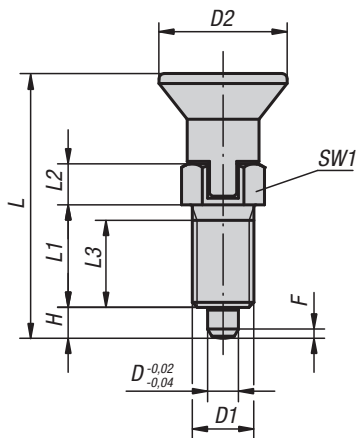
Style A
non-lockout type
without locknut



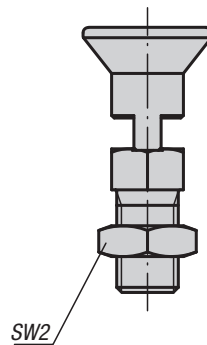
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in red thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Order information:

K0338.0420684

Note:

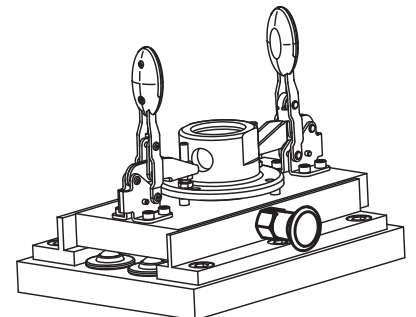
Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been manually disengaged. Style C or D is recommended for applications in which gradual disengagement of the locking bolt is desired where a springing back of the pin should be prevented.

On request:

Special versions.

Accessories:

Spacer rings K0665



Indexing Plungers

pull knob



KIPP Indexing plungers, steel, indexing pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.190384	K0338.290384	K0338.390384	K0338.490384	3	M6x0,75	14	31,5	12	5	10	3,5	8	-/10-/10	0,8	4,5	10
K0338.100484	K0338.200484	K0338.300484	K0338.400484	4	M8x1	18	38,5	15	6	13	4	10	-/13-/13	1	6	12
K0338.110584	K0338.210584	K0338.310584	K0338.410584	5	M10x1	21	43,5	17	7	15	5	13	-/17-/17	1,3	5	12
K0338.120684	K0338.220684	K0338.320684	K0338.420684	6	M12x1,5	25	51,7	20	8	17	6	14	-/19-/19	1,8	6	14
K0338.130884	K0338.230884	K0338.330884	K0338.430884	8	M16x1,5	33	68	26	10	23	8	19	-/24-/24	2,3	15	35
K0338.141084	K0338.241084	K0338.341084	K0338.441084	10	M20x1,5	33	74	28	12	25	10	22	-/30-/30	2,8	15	34
K0338.141284	K0338.241284	K0338.341284	K0338.441284	12	M20x1,5	33	78	28	14	25	12	22	-/30-/30	2,8	15	39
K0338.151684	K0338.251684	K0338.351684	K0338.451684	16	M24x2	40	96	32	18	28	16	27	-/36-/36	3,2	20	46

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

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.0190384	K0338.0290384	K0338.0390384	K0338.0490384	3	M6x0,75	14	31,5	12	5	10	3,5	8	-/10-/10	0,8	4,5	10
K0338.0100484	K0338.0200484	K0338.0300484	K0338.0400484	4	M8x1	18	38,5	15	6	13	4	10	-/13-/13	1	6	12
K0338.0110584	K0338.0210584	K0338.0310584	K0338.0410584	5	M10x1	21	43,5	17	7	15	5	13	-/17-/17	1,3	5	12
K0338.0120684	K0338.0220684	K0338.0320684	K0338.0420684	6	M12x1,5	25	51,7	20	8	17	6	14	-/19-/19	1,8	6	14
K0338.0130884	K0338.0230884	K0338.0330884	K0338.0430884	8	M16x1,5	33	68	26	10	23	8	19	-/24-/24	2,3	15	35
K0338.0141084	K0338.0241084	K0338.0341084	K0338.0441084	10	M20x1,5	33	74	28	12	25	10	22	-/30-/30	2,8	15	34
K0338.0141284	K0338.0241284	K0338.0341284	K0338.0441284	12	M20x1,5	33	78	28	14	25	12	22	-/30-/30	2,8	15	39
K0338.0151684	K0338.0251684	K0338.0351684	K0338.0451684	16	M24x2	40	96	32	18	28	16	27	-/36-/36	3,2	20	46

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

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0338.1100484	K0338.1200484	K0338.1300484	K0338.1400484	4	M8x1	18	38,5	15	6	13	4	10	-/13-/13	1	6	12
K0338.1190384	K0338.1290384	K0338.1390384	K0338.1490384	3	M6x0,75	14	31,5	12	5	10	3,5	8	-/10-/10	0,8	4,5	10
K0338.1110584	K0338.1210584	K0338.1310584	K0338.1410584	5	M10x1	21	43,5	17	7	15	5	13	-/17-/17	1,3	5	12
K0338.1120684	K0338.1220684	K0338.1320684	K0338.1420684	6	M12x1,5	25	51,7	20	8	17	6	14	-/19-/19	1,8	6	14
K0338.1130884	K0338.1230884	K0338.1330884	K0338.1430884	8	M16x1,5	33	68	26	10	23	8	19	-/24-/24	2,3	15	35
K0338.1141084	K0338.1241084	K0338.1341084	K0338.1441084	10	M20x1,5	33	74	28	12	25	10	22	-/30-/30	2,8	15	34
K0338.1141284	K0338.1241284	K0338.1341284	K0338.1441284	12	M20x1,5	33	78	28	14	25	12	22	-/30-/30	2,8	15	39
K0338.1151684	K0338.1251684	K0338.1351684	K0338.1451684	16	M24x2	40	96	32	18	28	16	27	-/36-/36	3,2	20	46

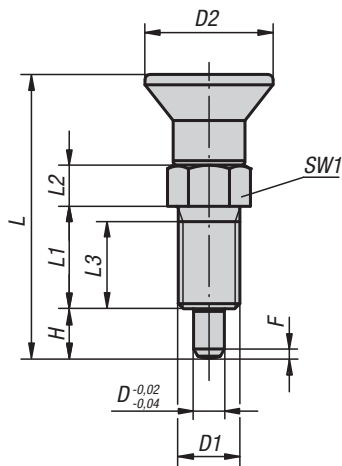
Indexing Plungers

pull knob, with extended locking pin

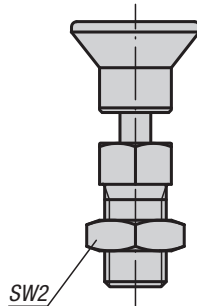
INCH
Parts



Style A
non-lockout type
without locknut



Style B
non-lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

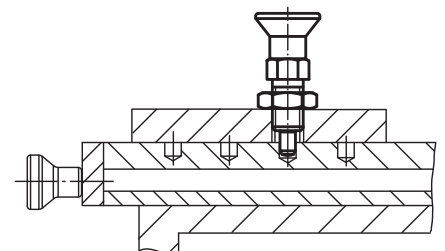
K0630.21903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

On request:

Special versions and spacer rings.



Indexing Plungers

pull knob, with extended locking pin

KIPP Indexing Plungers with extended locking pin, pull knob, steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.21903AJ	K0630.22903AJ	3	1/4-28	14	33	12	5	10	5	8	- 7/16	0,8	4,5	12
K0630.21004AK	K0630.22004AK	4	5/16-24	18	40,5	15	6	13	6	10	- 1/2	1	6	15
K0630.21105AL	K0630.22105AL	5	3/8-24	21	46,5	17	7	15	8	13	- 9/16	1,3	5	16
K0630.21206A5	K0630.22206A5	6	1/2-13	25	55	20	8	17	9	14	- 3/4	1,8	6	18
K0630.21308A6	K0630.22308A6	8	5/8-11	33	72	26	10	23	12	19	- 15/16	2,3	15	45
K0630.21410A7	K0630.22410A7	10	3/4-10	33	79	28	12	25	15	22	- 11/8	2,8	15	43
K0630.21412A0	K0630.22412A0	12	3/4-16	33	84	28	14	25	18	22	- 11/8	2,8	15	51
K0630.21516A8	K0630.22516A8	16	1-8	40	104	32	18	28	24	27	- 11/2	3,2	20	60

KIPP Indexing Plungers with extended locking pin, pull knob, stainless steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.201903AJ	K0630.202903AJ	3	1/4-28	14	33	12	5	10	5	8	- 7/16	0,8	4,5	12
K0630.201004AK	K0630.202004AK	4	5/16-24	18	40,5	15	6	13	6	10	- 1/2	1	6	15
K0630.201105AL	K0630.202105AL	5	3/8-24	21	46,5	17	7	15	8	13	- 9/16	1,3	5	16
K0630.201206A5	K0630.202206A5	6	1/2-13	25	55	20	8	17	9	14	- 3/4	1,8	6	18
K0630.201308A6	K0630.202308A6	8	5/8-11	33	72	26	10	23	12	19	- 15/16	2,3	15	45
K0630.201410A7	K0630.202410A7	10	3/4-10	33	79	28	12	25	15	22	- 11/8	2,8	15	43
K0630.201412A0	K0630.202412A0	12	3/4-16	33	84	28	14	25	18	22	- 11/8	2,8	15	51
K0630.201516A8	K0630.202516A8	16	1-8	40	104	32	18	28	24	27	- 11/2	3,2	20	60

KIPP Indexing Plungers with extended locking pin, pull knob, stainless steel, locking pin not hardened, inch

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.211903AJ	K0630.212903AJ	3	1/4-28	14	33	12	5	10	5	8	- 7/16	0,8	4,5	12
K0630.211004AK	K0630.212004AK	4	5/16-24	18	40,5	15	6	13	6	10	- 1/2	1	6	15
K0630.211105AL	K0630.212105AL	5	3/8-24	21	46,5	17	7	15	8	13	- 9/16	1,3	5	16
K0630.211206A5	K0630.212206A5	6	1/2-13	25	55	20	8	17	9	14	- 3/4	1,8	6	18
K0630.211308A6	K0630.212308A6	8	5/8-11	33	72	26	10	23	12	19	- 15/16	2,3	15	45
K0630.211410A7	K0630.212410A7	10	3/4-10	33	79	28	12	25	15	22	- 11/8	2,8	15	43
K0630.211412A0	K0630.212412A0	12	3/4-16	33	84	28	14	25	18	22	- 11/8	2,8	15	51
K0630.211516A8	K0630.212516A8	16	1-8	40	104	32	18	28	24	27	- 11/2	3,2	20	60

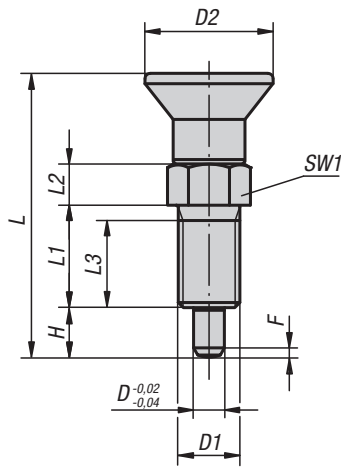
Indexing Plungers

pull knob, with extended locking pin

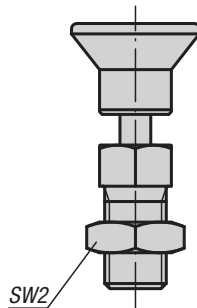
METRIC
Parts



Style A
non-lockout type
without locknut



Style B
non-lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

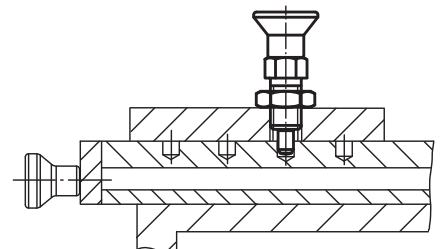
K0630.21903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

On request:

Special versions and spacer rings.



Indexing Plungers

pull knob, with extended locking pin

KIPP Indexing Plungers with extended locking pin, pull knob, steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.21903	K0630.22903	3	M6x0,75	14	33	12	5	10	5	8	- / 10	0,8	4,5	12
K0630.21004	K0630.22004	4	M8x1	18	40,5	15	6	13	6	10	- / 13	1	6	15
K0630.21105	K0630.22105	5	M10x1	21	46,5	17	7	15	8	13	- / 17	1,3	5	16
K0630.21206	K0630.22206	6	M12x1,5	25	54,7	20	8	17	9	14	- / 19	1,8	6	18
K0630.21308	K0630.22308	8	M16x1,5	33	72	26	10	23	12	19	- / 24	2,3	15	45
K0630.21410	K0630.22410	10	M20x1,5	33	79	28	12	25	15	22	- / 30	2,8	15	43
K0630.21412	K0630.22412	12	M20x1,5	33	84	28	14	25	18	22	- / 30	2,8	15	51
K0630.21516	K0630.22516	16	M24x2	40	104	32	18	28	24	27	- / 36	3,2	20	60

KIPP Indexing Plungers with extended locking pin, pull knob, stainless steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.201903	K0630.202903	3	M6x0,75	14	33	12	5	10	5	8	- / 10	0,8	4,5	12
K0630.201004	K0630.202004	4	M8x1	18	40,5	15	6	13	6	10	- / 13	1	6	15
K0630.201105	K0630.202105	5	M10x1	21	46,5	17	7	15	8	13	- / 17	1,3	5	16
K0630.201206	K0630.202206	6	M12x1,5	25	54,7	20	8	17	9	14	- / 19	1,8	6	18
K0630.201308	K0630.202308	8	M16x1,5	33	72	26	10	23	12	19	- / 24	2,3	15	45
K0630.201410	K0630.202410	10	M20x1,5	33	79	28	12	25	15	22	- / 30	2,8	15	43
K0630.201412	K0630.202412	12	M20x1,5	33	84	28	14	25	18	22	- / 30	2,8	15	51
K0630.201516	K0630.202516	16	M24x2	40	104	32	18	28	24	27	- / 36	3,2	20	60

KIPP Indexing Plungers with extended locking pin, pull knob, stainless steel, locking pin not hardened, metric

Item No. Style A	Item No. Style B	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0630.211903	K0630.212903	3	M6x0,75	14	33	12	5	10	5	8	- / 10	0,8	4,5	12
K0630.211004	K0630.212004	4	M8x1	18	40,5	15	6	13	6	10	- / 13	1	6	15
K0630.211105	K0630.212105	5	M10x1	21	46,5	17	7	15	8	13	- / 17	1,3	5	16
K0630.211206	K0630.212206	6	M12x1,5	25	54,7	20	8	17	9	14	- / 19	1,8	6	18
K0630.211308	K0630.212308	8	M16x1,5	33	72	26	10	23	12	19	- / 24	2,3	15	45
K0630.211410	K0630.212410	10	M20x1,5	33	79	28	12	25	15	22	- / 30	2,8	15	43
K0630.211412	K0630.212412	12	M20x1,5	33	84	28	14	25	18	22	- / 30	2,8	15	51
K0630.211516	K0630.212516	16	M24x2	40	104	32	18	28	24	27	- / 36	3,2	20	60

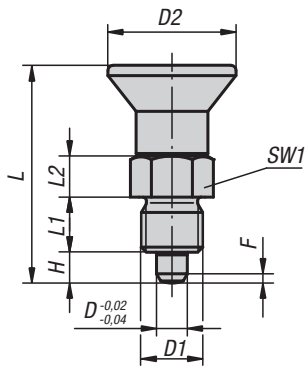
Indexing Plungers

pull knob, short version

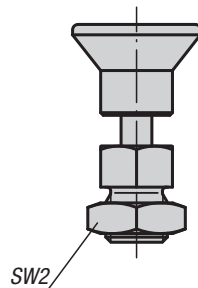
INCH Parts
METRIC Parts



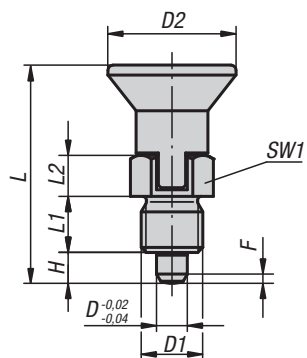
Style A
non-lockout type
without locknut



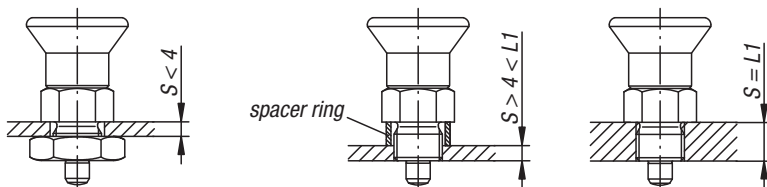
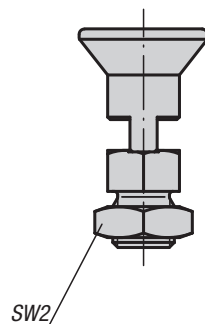
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob black gray thermoplastic.

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0631.5004AK

Note:

Indexing plungers are used to prevent any change in position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged. Style C or D is recommended for applications in which the pin is disengaged over extended periods and should be prevented from springing back.

On request:

Special versions and spacer rings.

Indexing Plungers

pull knob, short version



KIPP Indexing Plungers short version, pull knob, steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0631.5004AK	K0631.6004AK	K0631.7004AK	K0631.8004AK	4	5/16-24	18	29,5	6	6	4	10	-1 1/2 -1 1/2	1	6	12
K0631.5105AL	K0631.6105AL	K0631.7105AL	K0631.8105AL	5	3/8-24	21	34,5	8	7	5	13	-1 9/16 -1 9/16	1,3	5	12
K0631.5206A5	K0631.6206A5	K0631.7206A5	K0631.8206A5	6	1/2-13	25	41,7	10	8	6	14	-1 3/4 -1 3/4	1,8	6	14
K0631.5308A6	K0631.6308A6	K0631.7308A6	K0631.8308A6	8	5/8-11	33	54	12	10	8	19	-1 15/16 -1 15/16	2,3	14	28
K0631.5410A7	K0631.6410A7	K0631.7410A7	K0631.8410A7	10	3/4-10	33	61	15	12	10	22	-1 1,125 -1 1,125	2,8	15	32

KIPP Indexing Plungers, short version, pull knob, stainless steel, locking pin not hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0631.15004AK	K0631.16004AK	K0631.17004AK	K0631.18004AK	4	5/16-24	18	29,5	6	6	4	10	-1 1/2 -1 1/2	1	6	12
K0631.15105AL	K0631.16105AL	K0631.17105AL	K0631.18105AL	5	3/8-24	21	34,5	8	7	5	13	-1 9/16 -1 9/16	1,3	5	12
K0631.15206A5	K0631.16206A5	K0631.17206A5	K0631.18206A5	6	1/2-13	25	41,7	10	8	6	14	-1 3/4 -1 3/4	1,8	6	14
K0631.15308A6	K0631.16308A6	K0631.17308A6	K0631.18308A6	8	5/8-11	33	54	12	10	8	19	-1 15/16 -1 15/16	2,3	14	28
K0631.15410A7	K0631.16410A7	K0631.17410A7	K0631.18410A7	10	3/4-10	33	61	15	12	10	22	-1 1,125 -1 1,125	2,8	15	32

KIPP Indexing Plungers short version, pull knob, steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0631.5903	K0631.6903	K0631.7903	K0631.8903	3	M6x0,75	14	25,5	6	5	3,5	8	-10/-10	0,8	4	10
K0631.5004	K0631.6004	K0631.7004	K0631.8004	4	M8x1	18	29,5	6	6	4	10	-13/-13	1	4	12
K0631.5105	K0631.6105	K0631.7105	K0631.8105	5	M10x1	21	34,5	8	7	5	13	-17/-17	1,3	5	12
K0631.5206	K0631.6206	K0631.7206	K0631.8206	6	M12x1,5	25	41,7	10	8	6	14	-19/-19	1,8	6	14
K0631.5308	K0631.6308	K0631.7308	K0631.8308	8	M16x1,5	33	54	12	10	8	19	-24/-24	2,3	14	28
K0631.5410	K0631.6410	K0631.7410	K0631.8410	10	M20x1,5	33	61	15	12	10	22	-30/-30	2,8	15	32

KIPP Indexing Plungers, short version, pull knob, stainless steel, locking pin not hardened, metric

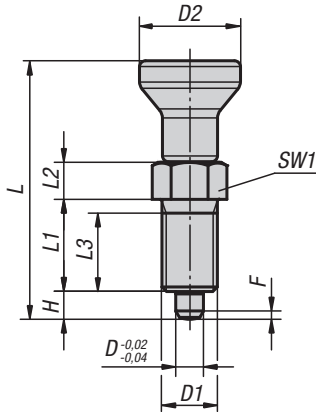
Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0631.15903	K0631.16903	K0631.17903	K0631.18903	3	M6x0,75	14	25,5	6	5	3,5	8	-10/-10	0,8	4	10
K0631.15004	K0631.16004	K0631.17004	K0631.18004	4	M8x1	18	29,5	6	6	4	10	-13/-13	1	4	12
K0631.15105	K0631.16105	K0631.17105	K0631.18105	5	M10x1	21	34,5	8	7	5	13	-17/-17	1,3	5	12
K0631.15206	K0631.16206	K0631.17206	K0631.18206	6	M12x1,5	25	41,7	10	8	6	14	-19/-19	1,8	6	14
K0631.15308	K0631.16308	K0631.17308	K0631.18308	8	M16x1,5	33	54	12	10	8	19	-24/-24	2,3	14	28
K0631.15410	K0631.16410	K0631.17410	K0631.18410	10	M20x1,5	33	61	15	12	10	22	-30/-30	2,8	15	32

Indexing Plungers

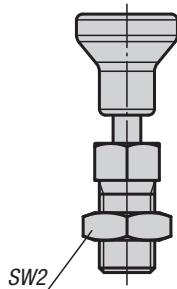
pull knob, stainless steel



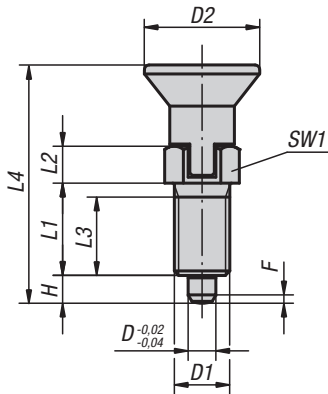
Style A
non-lockout type
without locknut



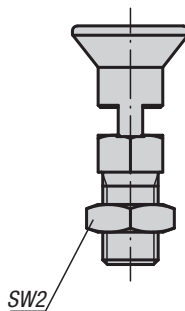
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Locking pin hardened:
threaded sleeve 1.4305
locking pin 1.4034
- Locking pin not hardened:
threaded sleeve 1.4305
locking pin 1.4305

Mushroom knob 1.4305, electrolytic-polish

Type:

Natural finish; locking pin ground

Part Number Example:

K0632.001903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

Style C or D is recommended for applications in which the pin is disengaged over extended periods and should be prevented from springing back.

On request:

Special versions.

KIPP Measurements, Indexing Plungers pull knob, stainless steel

D	D2	L1	L2	L3	H	SW1	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
3	14	12	5	10	3,5	8	4,5	10
4	18	15	6	13	4	10	6	12
5	21	17	7	15	5	13	4,5	12
6	25	20	8	17	6	14	6	14
8	33	26	10	23	8	19	15	35
10	33	28	12	25	10	22	15	34
12	33	28	14	25	12	22	15	39
16	40	32	18	28	16	27	20	46

KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D1	L	L4	SW2	F x 30°
K0632.001903AJ	K0632.002903AJ	K0632.003903AJ	K0632.004903AJ	1/4-28	34,5/34,5/-/-	-/-/31,5/31,5	- 7/16 - 7/16	0,8
K0632.001004AK	K0632.002004AK	K0632.003004AK	K0632.004004AK	5/16-24	43/43/-/-	-/-/38,5/38,5	- 1/2 - 1/2	1
K0632.001105AL	K0632.002105AL	K0632.003105AL	K0632.004105AL	3/8-24	50/50/-/-	-/-/43,5/43,5	- 9/16 - 9/16	1,3
K0632.001206A5	K0632.002206A5	K0632.003206A5	K0632.004206A5	1/2-13	59/59/-/-	-/-/52/52	- 3/4 - 3/4	1,8
K0632.001308A6	K0632.002308A6	K0632.003308A6	K0632.004308A6	5/8-11	77/77/-/-	-/-/68/68	- 15/16 - 15/16	2,3
K0632.001410A7	K0632.002410A7	K0632.003410A7	K0632.004410A7	3/4-10	83/83/-/-	-/-/74/74	- 1,125 - 1,125	2,6
K0632.001412A0	K0632.002412A0	K0632.003412A0	K0632.004412A0	3/4-16	87/87/-/-	-/-/78/78	- 1,125 - 1,125	2,8
K0632.001516A8	K0632.002516A8	K0632.003516A8	K0632.004516A8	1-8	106/106/-/-	-/-/96/96	- 1,5 - 1,5	3,2

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D1	L	L4	SW2	F x 30°
K0632.111903AJ	K0632.112903AJ	K0632.113903AJ	K0632.114903AJ	1/4-28	34,5/34,5/-/-	-/-/31,5/31,5	- 7/16 - 7/16	0,8
K0632.111004AK	K0632.112004AK	K0632.113004AK	K0632.114004AK	5/16-24	43/43/-/-	-/-/38,5/38,5	- 1/2 - 1/2	1
K0632.111105AL	K0632.112105AL	K0632.113105AL	K0632.114105AL	3/8-24	50/50/-/-	-/-/43,5/43,5	- 9/16 - 9/16	1,3
K0632.111206A5	K0632.112206A5	K0632.113206A5	K0632.114206A5	1/2-13	59/59/-/-	-/-/52/52	- 3/4 - 3/4	1,8
K0632.111308A6	K0632.112308A6	K0632.113308A6	K0632.114308A6	5/8-11	77/77/-/-	-/-/68/68	- 15/16 - 15/16	2,3
K0632.111410A7	K0632.112410A7	K0632.113410A7	K0632.114410A7	3/4-10	83/83/-/-	-/-/74/74	- 1,125 - 1,125	2,6
K0632.111412A0	K0632.112412A0	K0632.113412A0	K0632.114412A0	3/4-16	87/87/-/-	-/-/78/78	- 1,125 - 1,125	2,8
K0632.111516A8	K0632.112516A8	K0632.113516A8	K0632.114516A8	1-8	106/106/-/-	-/-/96/96	- 1,5 - 1,5	3,2

KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D1	L	L4	SW2	F x 30°
K0632.001903	K0632.002903	K0632.003903	K0632.004903	M6x0,75	34,5/34,5/-/-	-/-/31,5/31,5	- 10 - 10	0,8
K0632.001004	K0632.002004	K0632.003004	K0632.004004	M8x1	43/43/-/-	-/-/38,5/38,5	- 13 - 13	1
K0632.001105	K0632.002105	K0632.003105	K0632.004105	M10x1	50/50/-/-	-/-/43,5/43,5	- 17 - 17	1,3
K0632.001206	K0632.002206	K0632.003206	K0632.004206	M12x1,5	59/59/-/-	-/-/51,7/51,7	- 19 - 19	1,8
K0632.001308	K0632.002308	K0632.003308	K0632.004308	M16x1,5	77/77/-/-	-/-/68/68	- 24 - 24	2,3
K0632.001410	K0632.002410	K0632.003410	K0632.004410	M20x1,5	83/83/-/-	-/-/74/74	- 30 - 30	2,8
K0632.001412	K0632.002412	K0632.003412	K0632.004412	M20x1,5	87/87/-/-	-/-/78/78	- 30 - 30	2,8
K0632.001516	K0632.002516	K0632.003516	K0632.004516	M24x2	106/106/-/-	-/-/96/96	- 36 - 36	3,2

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D1	L	L4	SW2	F x 30°
K0632.111903	K0632.112903	K0632.113903	K0632.114903	M6x0,75	34,5/34,5/-/-	-/-/31,5/31,5	- 10 - 10	0,8
K0632.111004	K0632.112004	K0632.113004	K0632.114004	M8x1	43/43/-/-	-/-/38,5/38,5	- 13 - 13	1
K0632.111105	K0632.112105	K0632.113105	K0632.114105	M10x1	50/50/-/-	-/-/43,5/43,5	- 17 - 17	1,3
K0632.111206	K0632.112206	K0632.113206	K0632.114206	M12x1,5	59/59/-/-	-/-/51,7/51,7	- 19 - 19	1,8
K0632.111308	K0632.112308	K0632.113308	K0632.114308	M16x1,5	77/77/-/-	-/-/68/68	- 24 - 24	2,3
K0632.111410	K0632.112410	K0632.113410	K0632.114410	M20x1,5	83/83/-/-	-/-/74/74	- 30 - 30	2,8
K0632.111412	K0632.112412	K0632.113412	K0632.114412	M20x1,5	87/87/-/-	-/-/78/78	- 30 - 30	2,8
K0632.111516	K0632.112516	K0632.113516	K0632.114516	M24x2	106/106/-/-	-/-/96/96	- 36 - 36	3,2

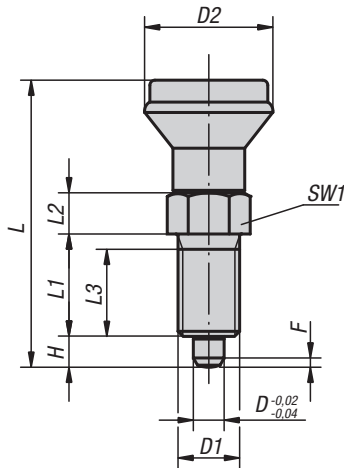
Indexing Plungers

pull knob

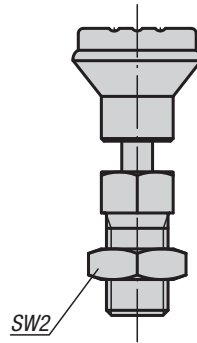


INCH Parts METRIC Parts

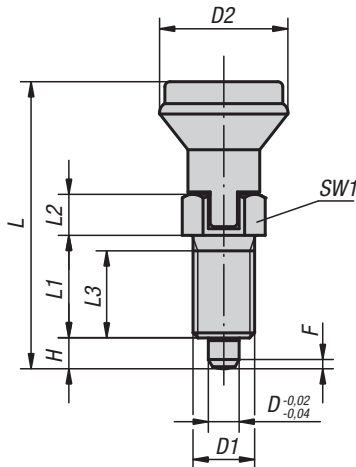
Style A
non-lockout type
without locknut



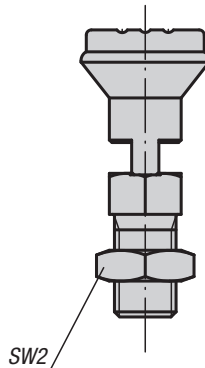
Style B
non-lockout type
with locknut



Style C
lockout type
without locknut



Style D
lockout type
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0339.1005A4

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

Style C or D is recommended for applications in which the pin is disengaged over extended periods and should be prevented from springing back.

On request:

Special versions and spacer rings.

KIPP Indexing Plungers, pull knob, steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.1005A4	K0339.2005A4	K0339.3005A4	K0339.4005A4	5	3/8-16	21	47	17	7	15	5	13	- 9/16 - 9/16	1,3	5	12
K0339.1105AL	K0339.2105AL	K0339.3105AL	K0339.4105AL	5	3/8-24	21	47	17	7	15	5	13	- 9/16 - 9/16	1,3	5	12
K0339.1206A5	K0339.2206A5	K0339.3206A5	K0339.4206A5	6	1/2-13	25	56	20	8	17	6	14	- 3/4 - 3/4	1,8	6	14
K0339.1308A6	K0339.2308A6	K0339.3308A6	K0339.4308A6	8	5/8-11	33	74	26	10	23	8	19	- 15/16 - 15/16	2,3	15	35
K0339.1410A7	K0339.2410A7	K0339.3410A7	K0339.4410A7	10	3/4-10	33	80	28	12	25	10	22	- 1,125 - 1,125	2,8	15	34

Indexing Plungers

pull knob

KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.01005A4	K0339.02005A4	K0339.03005A4	K0339.04005A4	5	3/8-16	21	47	17	7	15	5	13	-19/16 -19/16	1,3	5	12
K0339.01105AL	K0339.02105AL	K0339.03105AL	K0339.04105AL	5	3/8-24	21	47	17	7	15	5	13	-19/16 -19/16	1,3	5	12
K0339.01206A5	K0339.02206A5	K0339.03206A5	K0339.04206A5	6	1/2-13	25	56	20	8	17	6	14	-13/4 -13/4	1,8	6	14
K0339.01308A6	K0339.02308A6	K0339.03308A6	K0339.04308A6	8	5/8-11	33	74	26	10	23	8	19	-115/16 -115/16	2,3	15	35
K0339.01410A7	K0339.02410A7	K0339.03410A7	K0339.04410A7	10	3/4-10	33	80	28	12	25	10	22	-11,125 -11,125	2,8	15	34

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, inch

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.11005A4	K0339.12005A4	K0339.13005A4	K0339.14005A4	5	3/8-16	21	47	17	7	15	5	13	-19/16 -19/16	1,3	5	12
K0339.11105AL	K0339.12105AL	K0339.13105AL	K0339.14105AL	5	3/8-24	21	47	17	7	15	5	13	-19/16 -19/16	1,3	5	12
K0339.11206A5	K0339.12206A5	K0339.13206A5	K0339.14206A5	6	1/2-13	25	56	20	8	17	6	14	-13/4 -13/4	1,8	6	14
K0339.11308A6	K0339.12308A6	K0339.13308A6	K0339.14308A6	8	5/8-11	33	74	26	10	23	8	19	-115/16 -115/16	2,3	15	35
K0339.11410A7	K0339.12410A7	K0339.13410A7	K0339.14410A7	10	3/4-10	33	80	28	12	25	10	22	-11,125 -11,125	2,8	15	34

KIPP Indexing Plungers, pull knob, steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.1105	K0339.2105	K0339.3105	K0339.4105	5	M10x1	21	47	17	7	15	5	13	-17 -17	1,3	5	12
K0339.1206	K0339.2206	K0339.3206	K0339.4206	6	M12x1,5	25	56	20	8	17	6	14	-19 -19	1,8	6	14
K0339.1308	K0339.2308	K0339.3308	K0339.4308	8	M16x1,5	33	74	26	10	23	8	19	-24 -24	2,3	15	35
K0339.1410	K0339.2410	K0339.3410	K0339.4410	10	M20x1,5	33	80	28	12	25	10	22	-30 -30	2,8	15	34

KIPP Indexing Plungers, pull knob, stainless steel, locking pin hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.01105	K0339.02105	K0339.03105	K0339.04105	5	M10x1	21	47	17	7	15	5	13	-17 -17	1,3	5	12
K0339.01206	K0339.02206	K0339.03206	K0339.04206	6	M12x1,5	25	56	20	8	17	6	14	-19 -19	1,8	6	14
K0339.01308	K0339.02308	K0339.03308	K0339.04308	8	M16x1,5	33	74	26	10	23	8	19	-24 -24	2,3	15	35
K0339.01410	K0339.02410	K0339.03410	K0339.04410	10	M20x1,5	33	80	28	12	25	10	22	-30 -30	2,8	15	34

KIPP Indexing Plungers, pull knob, stainless steel, locking pin not hardened, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	D2	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0339.11105	K0339.12105	K0339.13105	K0339.14105	5	M10x1	21	47	17	7	15	5	13	-17 -17	1,3	5	12
K0339.11206	K0339.12206	K0339.13206	K0339.14206	6	M12x1,5	25	56	20	8	17	6	14	-19 -19	1,8	6	14
K0339.11308	K0339.12308	K0339.13308	K0339.14308	8	M16x1,5	33	74	26	10	23	8	19	-24 -24	2,3	15	35
K0339.11410	K0339.12410	K0339.13410	K0339.14410	10	M20x1,5	33	80	28	12	25	10	22	-30 -30	2,8	15	34

Indexing plunger

for thin-walled parts

New Item



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob black gray thermoplastic.

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

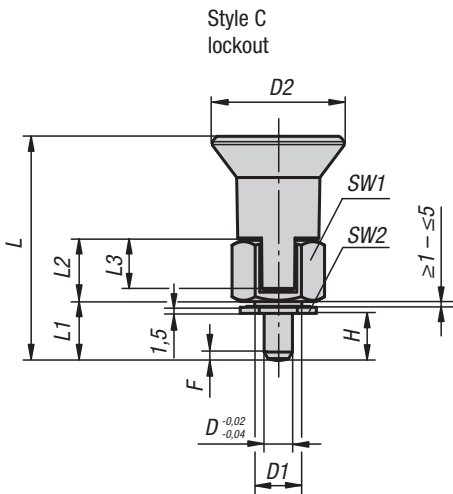
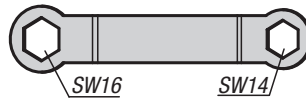
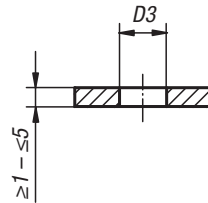
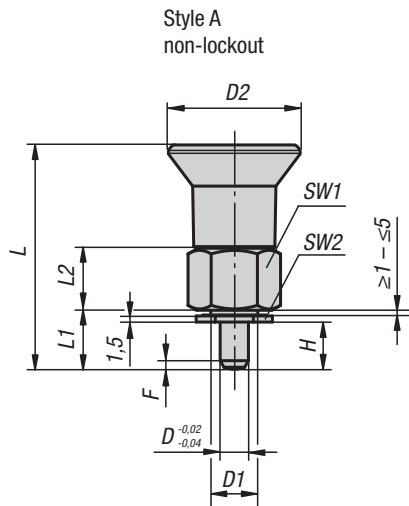
K0735.31105 (indexing plunger)
K0631.91416 (double-ended ring spanner)

Note:

These indexing plungers are especially well-suited for assembly in thin-walled parts. Indexing plungers are used where any change in locking position due to lateral forces should be prevented. A new locking position can be set only after the pin has been manually disengaged. Style C is recommended for applications where the locking pin should remain disengaged for an extended period and be prevented from springing back.

Accessories:

A double-ended ring spanner can be supplied as an accessory to tighten the nut.



KIPP Indexing plungers for thin-walled parts, steel, indexing pin hardened, metric

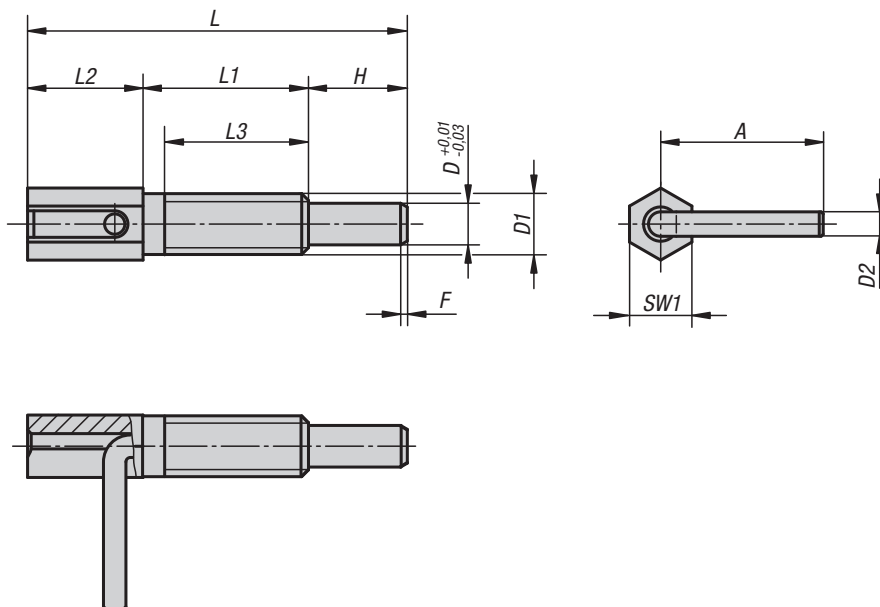
Item No.	Style	D	D1	D2	D3	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Article number double-ended ring spanner
K0735.31105	A	5	M10x1	28	10	46,5	11,5	13	10,5	5-9	17	14	1,3	6	15	K0631.91416
K0735.31206	A	6	M10x1	28	10	47,5	12,5	13	10,5	6-10	17	14	1,8	7	19	K0631.91416
K0735.33105	C	5	M10x1	28	10	46,5	11,5	13	10,5	5-9	17	14	1,3	6	15	K0631.91416
K0735.33206	C	6	M10x1	28	10	47,5	12,5	13	10,5	6-10	17	14	1,8	7	19	K0631.91416

KIPP Indexing plungers for thin-walled parts, stainless steel, indexing pin not hardened, metric

Item No.	Style	D	D1	D2	D3	L	L1	L2	L3	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Article number double-ended ring spanner
K0735.311105	A	5	M10x1	28	10	46,5	11,5	13	10,5	5-9	17	14	1,3	6	15	K0631.91416
K0735.311206	A	6	M10x1	28	10	47,5	12,5	13	10,5	6-10	17	14	1,8	7	19	K0631.91416
K0735.313105	C	5	M10x1	28	10	46,5	11,5	13	10,5	5-9	17	14	1,3	6	15	K0631.91416
K0735.313206	C	6	M10x1	28	10	47,5	12,5	13	10,5	6-10	17	14	1,8	7	19	K0631.91416

Indexing Plungers

INCH Parts METRIC Parts



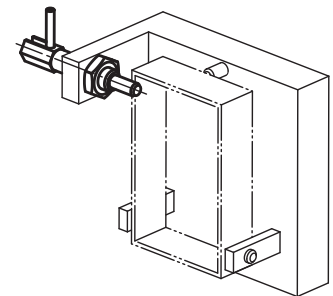
Material:
Steel quality class 5.8

Type:
Blue chromate.

Part Number Example:
K0340.11CWA2

Note:
Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

On request:
Special versions.



KIPP Indexing Plungers, inch (dimensions in inch)

Item No.	D	D1	D2	L	L1	L2	L3	H	A	SW1	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Max. tightening torque Nm
K0340.11CWA2	0,16	1/4-20	0,09	1,63	0,79	0,47	0,63	0,37	0,61	0,25	0,7	3	10	1,6
K0340.12CMA4	0,25	3/8-16	0,14	2,56	1,31	0,69	1,06	0,56	0,92	0,38	1,1	4	16	10
K0340.13CNA5	0,31	1/2-13	0,19	2,87	1,25	0,87	1,13	0,75	1,23	0,5	1,3	4	22	13
K0340.14COA6	0,38	5/8-11	0,19	4,05	1,99	1,06	1,75	1	1,29	0,63	1,6	4	23	42

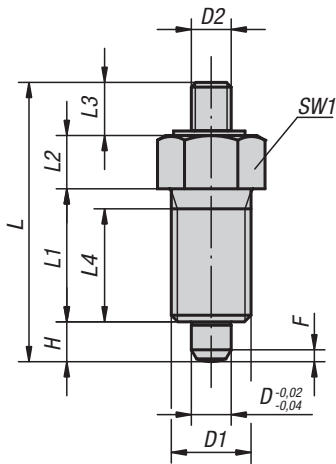
KIPP Indexing Plungers, metric (dimensions in metric)

Item No.	D	D1	D2	L	L1	L2	L3	H	A	SW1	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Max. tightening torque Nm
K0340.1104	4	M6	2,3	41,5	20	12	17	9,5	15,5	6	0,7	3	10	1,6
K0340.1905	5	M8	3	54	27	15	24	12	19,2	8	0,9	3,5	13,5	4,5
K0340.1206	6	M10	3,5	65	33,5	17,5	30	14	22,9	10	1,1	4	16	10
K0340.1308	8	M12	4,7	73	31,8	22,2	28	19	31,2	12	1,3	4	22	13
K0340.1410	10	M16	4,7	102,5	50,5	27	44,5	25	32,7	16	1,6	4	23	42

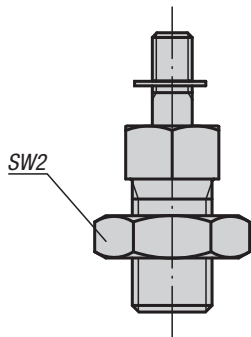
Indexing Plungers

threaded pin

INCH
Parts



Style E
with threaded pin
without locknut



Style F
with threaded pin
with locknut

Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

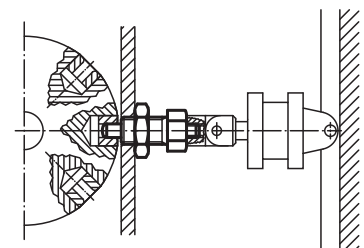
K0341.1903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been disengaged. Special grips can be fitted on the threaded head. This pin is also suitable for automatic actuation e.g. program controlled pneumatic cylinder or by remote control using bowden cables.

On request:

Special versions and spacer rings.



Indexing Plungers

threaded pin



KIPP Indexing Plungers, threaded pin, steel, locking pin hardened, inch

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.1903AJ	K0341.2903AJ	3	1/4-28	M2	24	12	5	3,5	10	3,5	8	-17/16	0,8	4,5	10
K0341.1004AK	K0341.2004AK	4	5/16-24	M3	32	15	6	7	13	4	10	-11/2	1	6	12
K0341.1105AL	K0341.2105AL	5	3/8-24	M4	37	17	7	8	15	5	13	-19/16	1,3	5	12
K0341.1206A5	K0341.2206A5	6	1/2-13	M6	42	20	8	8	17	6	14	-13/4	1,8	6	14
K0341.1308A6	K0341.2308A6	8	5/8-11	M8	56	26	10	12	23	8	19	-115/16	2,3	15	35
K0341.1410A7	K0341.2410A7	10	3/4-10	M8	62	28	12	12	25	10	22	-11,125	2,8	15	34
K0341.1412A0	K0341.2412A0	12	3/4-16	M8	66	28	14	12	25	12	22	-11,125	2,8	15	39
K0341.1516A8	K0341.2516A8	16	1-8	M10	80	32	18	14	28	16	27	-11,5	3,2	20	46

KIPP Indexing Plungers, threaded pin, stainless steel, locking pin hardened, inch

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.01903AJ	K0341.02903AJ	3	1/4-28	M2	24	12	5	3,5	10	3,5	8	-17/16	0,8	4,5	10
K0341.01004AK	K0341.02004AK	4	5/16-24	M3	32	15	6	7	13	4	10	-11/2	1	6	12
K0341.01105AL	K0341.02105AL	5	3/8-24	M4	37	17	7	8	15	5	13	-19/16	1,3	5	12
K0341.01206A5	K0341.02206A5	6	1/2-13	M6	42	20	8	8	17	6	14	-13/4	1,8	6	14
K0341.01308A6	K0341.02308A6	8	5/8-11	M8	56	26	10	12	23	8	19	-115/16	2,3	15	35
K0341.01410A7	K0341.02410A7	10	3/4-10	M8	62	28	12	12	25	10	22	-11,125	2,8	15	34
K0341.01412A0	K0341.02412A0	12	3/4-16	M8	66	28	14	12	25	12	22	-11,125	2,8	15	39
K0341.01516A8	K0341.02516A8	16	1-8	M10	80	32	18	14	28	16	27	-11,5	3,2	20	46

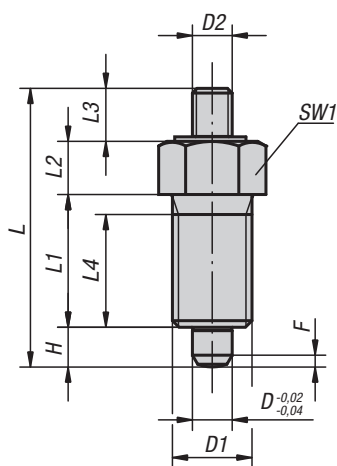
KIPP Indexing Plungers, threaded pin, stainless steel, locking pin not hardened, inch

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.11903AJ	K0341.12903AJ	3	1/4-28	M2	24	12	5	3,5	10	3,5	8	-17/16	0,8	4,5	10
K0341.11004AK	K0341.12004AK	4	5/16-24	M3	32	15	6	7	13	4	10	-11/2	1	6	12
K0341.11105AL	K0341.12105AL	5	3/8-24	M4	37	17	7	8	15	5	13	1,3 9/16	1,3	5	12
K0341.11206A5	K0341.12206A5	6	1/2-13	M6	42	20	8	8	17	6	14	6 3/4	1,8	6	14
K0341.11308A6	K0341.12308A6	8	5/8-11	M8	56	26	10	12	23	8	19	2,3 15/16	2,3	15	35
K0341.11410A7	K0341.12410A7	10	3/4-10	M8	62	28	12	12	25	10	22	15 1,125	2,8	15	34
K0341.11412A0	K0341.12412A0	12	3/4-16	M8	66	28	14	12	25	12	22	-11,125	2,8	15	39
K0341.11516A8	K0341.12516A8	16	1-8	M10	80	32	18	14	28	16	27	-11,5	3,2	20	46

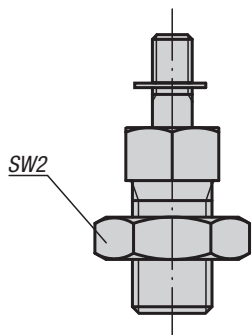
Indexing Plungers

threaded pin

METRIC
Parts



Style E
with threaded pin
without locknut



Style F
with threaded pin
with locknut

Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

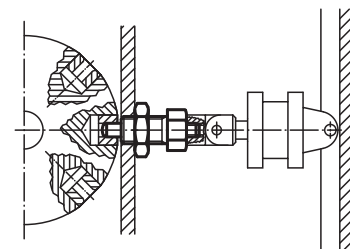
K0341.1903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been disengaged. Special grips can be fitted on the threaded head. This pin is also suitable for automatic actuation e.g. program controlled pneumatic cylinder or by remote control using bowden cables.

On request:

Special versions and spacer rings.



Indexing Plungers

threaded pin



KIPP Indexing Plungers, threaded pin, steel, locking pin hardened, metric

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.1903	K0341.2903	3	M6x0,75	M2	24	12	5	3,5	10	3,5	8	- / 10	0,8	4,5	10
K0341.1004	K0341.2004	4	M8x1	M3	32	15	6	7	13	4	10	- / 13	1	6	12
K0341.1105	K0341.2105	5	M10x1	M4	37	17	7	8	15	5	13	- / 17	1,3	5	12
K0341.1206	K0341.2206	6	M12x1,5	M6	42	20	8	8	17	6	14	- / 19	1,8	6	14
K0341.1308	K0341.2308	8	M16X1,5	M8	56	26	10	12	23	8	19	- / 24	2,3	15	35
K0341.1410	K0341.2410	10	M20x1,5	M8	62	28	12	12	25	10	22	- / 30	2,8	15	34
K0341.1412	K0341.2412	12	M20x1,5	M8	66	28	14	12	25	12	22	- / 30	2,8	15	39
K0341.1516	K0341.2516	16	M24x2	M10	80	32	18	14	28	16	27	- / 36	3,2	20	46

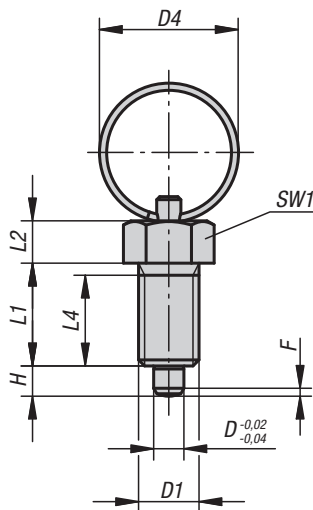
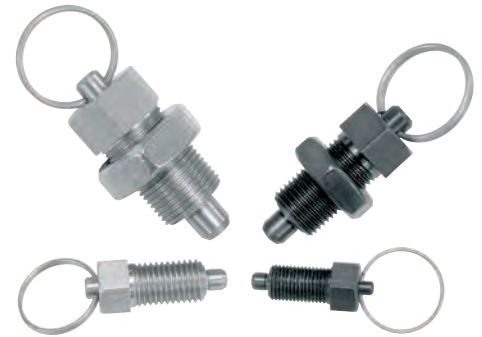
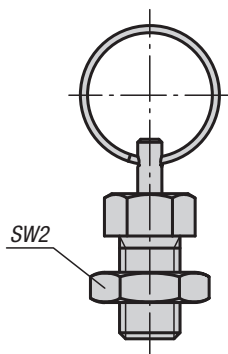
KIPP Indexing Plungers, threaded pin, stainless steel, locking pin hardened, metric

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.01903	K0341.02903	3	M6x0,75	M2	24	12	5	3,5	10	3,5	8	- / 10	0,8	4,5	10
K0341.01004	K0341.02004	4	M8x1	M3	32	15	6	7	13	4	10	- / 13	1	6	12
K0341.01105	K0341.02105	5	M10x1	M4	37	17	7	8	15	5	13	- / 17	1,3	5	12
K0341.01206	K0341.02206	6	M12x1,5	M6	42	20	8	8	17	6	14	- / 19	1,8	6	14
K0341.01308	K0341.02308	8	M16X1,5	M8	56	26	10	12	23	8	19	- / 24	2,3	15	35
K0341.01410	K0341.02410	10	M20x1,5	M8	62	28	12	12	25	10	22	- / 30	2,8	15	34
K0341.01412	K0341.02412	12	M20x1,5	M8	66	28	14	12	25	12	22	- / 30	2,8	15	39
K0341.01516	K0341.02516	16	M24x2	M10	80	32	18	14	28	16	27	- / 36	3,2	20	46

KIPP Indexing Plungers, threaded pin, stainless steel, locking pin not hardened, metric

Item No. Style E	Item No. Style F	D	D1	D2	L	L1	L2	L3	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0341.11903	K0341.12903	3	M6x0,75	M2	24	12	5	3,5	10	3,5	8	- / 10	0,8	4,5	10
K0341.11004	K0341.12004	4	M8x1	M3	32	15	6	7	13	4	10	- / 13	1	6	12
K0341.11105	K0341.12105	5	M10x1	M4	37	17	7	8	15	5	13	- / 17	1,3	5	12
K0341.11206	K0341.12206	6	M12x1,5	M6	42	20	8	8	17	6	14	- / 19	1,8	6	14
K0341.11308	K0341.12308	8	M16X1,5	M8	56	26	10	12	23	8	19	- / 24	2,3	15	35
K0341.11410	K0341.12410	10	M20x1,5	M8	62	28	12	12	25	10	22	- / 30	2,8	15	34
K0341.11412	K0341.12412	12	M20x1,5	M8	66	28	14	12	25	12	22	- / 30	2,8	15	39
K0341.11516	K0341.12516	16	M24x2	M10	80	32	18	14	28	16	27	- / 36	3,2	20	46

Indexing Plungers

METRIC
PartsStyle R
without locknutStyle S
with locknut**Material:**

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Key ring 1.4310, natural finish

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

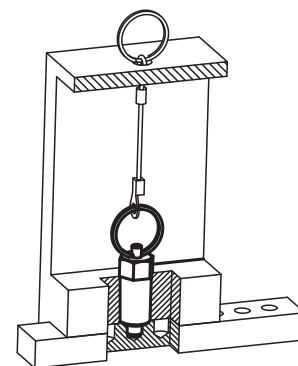
K0342.3004

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been disengaged. The key ring is also suitable for automatic actuation of the indexing plunger by e.g. programme-controlled pneumatic cylinder or by remote control using bowden cables.

On request:

Special versions and spacer rings.


KIPP Indexing Plungers, steel, locking pin hardened, metric

Item No. Style R	Item No. Style S	D	D1	D4	L1	L2	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0342.3004	K0342.4004	4	M8x1	15	15	6	13	4	10	- / 13	1	6	12
K0342.3105	K0342.4105	5	M10x1	23	17	7	15	5	13	- / 17	1,3	5	12
K0342.3206	K0342.4206	6	M12x1,5	23	20	8	17	6	14	- / 19	1,8	6	14
K0342.3308	K0342.4308	8	M16X1,5	28	26	10	23	8	19	- / 24	2,3	15	35
K0342.3410	K0342.4410	10	M20x1,5	28	28	12	25	10	22	- / 30	2,8	15	34

KIPP Indexing Plungers, stainless steel, locking pin hardened, metric

Item No. Style R	Item No. Style S	D	D1	D4	L1	L2	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0342.03004	K0342.04004	4	M8x1	15	15	6	13	4	10	- / 13	1	6	12
K0342.03105	K0342.04105	5	M10x1	23	17	7	15	5	13	- / 17	1,3	5	12
K0342.03206	K0342.04206	6	M12x1,5	23	20	8	17	6	14	- / 19	1,8	6	14
K0342.03308	K0342.04308	8	M16X1,5	28	26	10	23	8	19	- / 24	2,3	15	35
K0342.03410	K0342.04410	10	M20x1,5	28	28	12	25	10	22	- / 30	2,8	15	34

KIPP Indexing Plungers, stainless steel, locking pin not hardened, metric

Item No. Style R	Item No. Style S	D	D1	D4	L1	L2	L4	H	SW1	SW2	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0342.13004	K0342.14004	4	M8x1	15	15	6	13	4	10	- / 13	1	6	12
K0342.13105	K0342.14105	5	M10x1	23	17	7	15	5	13	- / 17	1,3	5	12
K0342.13206	K0342.14206	6	M12x1,5	23	20	8	17	6	14	- / 19	1,8	6	14
K0342.13308	K0342.14308	8	M16X1,5	28	26	10	23	8	19	- / 24	2,3	15	35
K0342.13410	K0342.14410	10	M20x1,5	28	28	12	25	10	22	- / 30	2,8	15	34

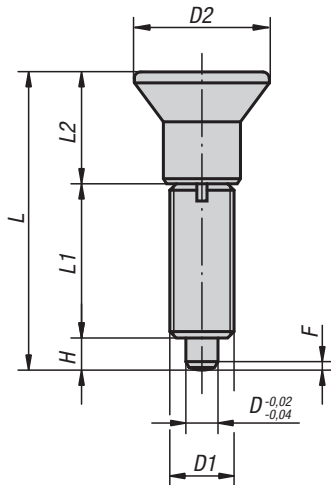
Indexing Plungers

without collar

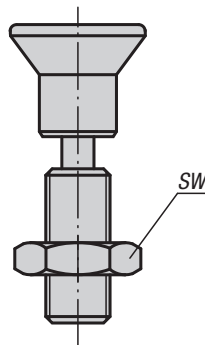
INCH
Parts



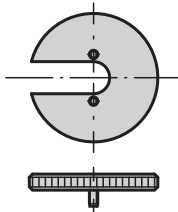
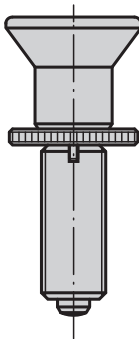
Style G
without locknut



Style H
with locknut



Indexing plunger
with screw-in washer



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0343.1903AJ

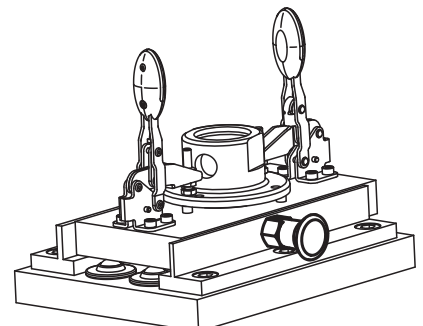
Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

A washer is available to aid by screwing in the indexing plungers. The washer slides beneath the mushroom knob so that the carrier pins engage in the slot.

On request:

Special versions.



Indexing Plungers

without collar



KIPP Indexing Plungers without collar, in steel, locking pin hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.1903AJ	K0343.2903AJ	3	1/4-28	14	31,5	17	11	3,5	-17/16	0,8	4,5	10	K0344.99
K0343.1004AK	K0343.2004AK	4	5/16-24	18	38,5	21	13,5	4	-11/2	1,3	6	12	K0344.90
K0343.1105AL	K0343.2105AL	5	3/8-24	21	43,5	24	14,5	5	-19/16	1,3	5	12	K0344.91
K0343.1206A5	K0343.2206A5	6	1/2-13	25	51,7	28	17,7	6	-13/4	1,8	6	14	K0344.92
K0343.1308A6	K0343.2308A6	8	5/8-11	33	68	36	24	8	-115/16	2,3	15	35	K0344.93
K0343.1410A7	K0343.2410A7	10	3/4-10	33	74	40	24	10	-11,125	2,8	15	34	K0344.94
K0343.1412A0	K0343.2412A0	12	3/4-16	33	78	42	24	12	-11,125	2,8	15	39	K0344.94
K0343.1516A8	K0343.2516A8	16	1-8	40	96	50	30	16	-11,5	3,2	20	46	K0344.95

KIPP Indexing Plungers without collar, in stainless steel, locking pin hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.01903AJ	K0343.02903AJ	3	1/4-28	14	31,5	17	11	3,5	-17/16	0,8	4,5	10	K0344.99
K0343.01004AK	K0343.02004AK	4	5/16-24	18	38,5	21	13,5	4	-11/2	1,3	6	12	K0344.90
K0343.01105AL	K0343.02105AL	5	3/8-24	21	43,5	24	14,5	5	-19/16	1,3	5	12	K0344.91
K0343.01206A5	K0343.02206A5	6	1/2-13	25	51,7	28	17,7	6	-13/4	1,8	6	14	K0344.92
K0343.01308A6	K0343.02308A6	8	5/8-11	33	68	36	24	8	-115/16	2,3	15	35	K0344.93
K0343.01410A7	K0343.02410A7	10	3/4-10	33	74	40	24	10	-11,125	2,8	15	34	K0344.94
K0343.01412A0	K0343.02412A0	12	3/4-16	33	78	42	24	12	-11,125	2,8	15	39	K0344.94
K0343.01516A8	K0343.02516A8	16	1-8	40	96	50	30	16	-11,5	3,2	20	46	K0344.95

KIPP Indexing Plungers without collar, in stainless steel, locking pin not hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.11903AJ	K0343.12903AJ	3	1/4-28	14	31,5	17	11	3,5	-17/16	0,8	4,5	10	K0344.99
K0343.11004AK	K0343.12004AK	4	5/16-24	18	38,5	21	13,5	4	-11/2	1,3	6	12	K0344.90
K0343.11105AL	K0343.12105AL	5	3/8-24	21	43,5	24	14,5	5	-19/16	1,3	5	12	K0344.91
K0343.11206A5	K0343.12206A5	6	1/2-13	25	51,7	28	17,7	6	-13/4	1,8	6	14	K0344.92
K0343.11308A6	K0343.12308A6	8	5/8-11	33	68	36	24	8	-115/16	2,3	15	35	K0344.93
K0343.11410A7	K0343.12410A7	10	3/4-10	33	74	40	24	10	-11,125	2,8	15	34	K0344.94
K0343.11412A0	K0343.12412A0	12	3/4-16	33	78	42	24	12	-11,125	2,8	15	39	K0344.94
K0343.11516A8	K0343.12516A8	16	1-8	40	96	50	30	16	-11,5	3,2	20	46	K0344.95

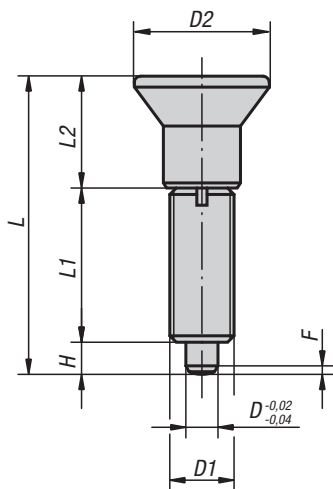
Indexing Plungers

without collar

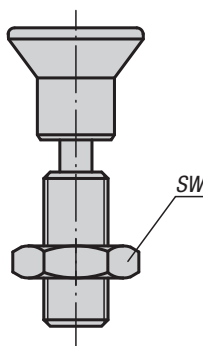
METRIC
Parts



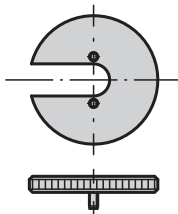
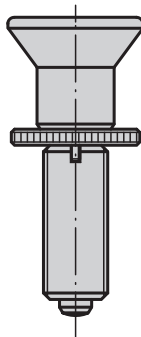
Style G
without locknut



Style H
with locknut



Indexing plunger
with screw-in washer



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0343.1903AJ

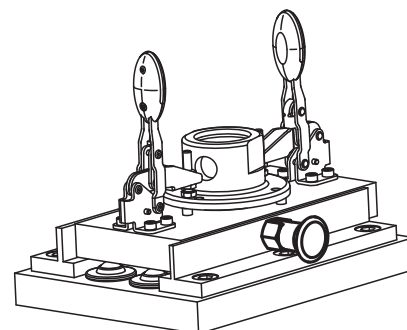
Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

A washer is available to aid by screwing in the indexing plungers. The washer slides beneath the mushroom knob so that the carrier pins engage in the slot.

On request:

Special versions.



Indexing Plungers

without collar



KIPP Indexing Plungers without collar, in steel, locking pin hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.1903	K0343.2903	3	M6x0,75	14	31,5	17	11	3,5	- / 10	0,8	4,5	10	K0344.99
K0343.1004	K0343.2004	4	M8x1	18	38,5	21	13,5	4	- / 13	1,3	6	12	K0344.90
K0343.1105	K0343.2105	5	M10x1	21	43,5	24	14,5	5	- / 17	1,3	5	12	K0344.91
K0343.1206	K0343.2206	6	M12x1,5	25	51,7	28	17,7	6	- / 19	1,8	6	14	K0344.92
K0343.1308	K0343.2308	8	M16x1,5	33	68	36	24	8	- / 24	2,3	15	35	K0344.93
K0343.1410	K0343.2410	10	M20x1,5	33	74	40	24	10	- / 30	2,8	15	34	K0344.94
K0343.1412	K0343.2412	12	M20x1,5	33	78	42	24	12	- / 30	2,8	15	39	K0344.94
K0343.1516	K0343.2516	16	M24x2	40	96	50	30	16	- / 36	3,2	20	46	K0344.95

KIPP Indexing Plungers without collar, in stainless steel, locking pin hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.01903	K0343.02903	3	M6x0,75	14	31,5	17	11	3,5	- / 10	0,8	4,5	10	K0344.99
K0343.01004	K0343.02004	4	M8x1	18	38,5	21	13,5	4	- / 13	1,3	6	12	K0344.90
K0343.01105	K0343.02105	5	M10x1	21	43,5	24	14,5	5	- / 17	1,3	5	12	K0344.91
K0343.01206	K0343.02206	6	M12x1,5	25	51,7	28	17,7	6	- / 19	1,8	6	14	K0344.92
K0343.01308	K0343.02308	8	M16x1,5	33	68	36	24	8	- / 24	2,3	15	35	K0344.93
K0343.01410	K0343.02410	10	M20x1,5	33	74	40	24	10	- / 30	2,8	15	34	K0344.94
K0343.01412	K0343.02412	12	M20x1,5	33	78	42	24	12	- / 30	2,8	15	39	K0344.94
K0343.01516	K0343.02516	16	M24x2	40	96	50	30	16	- / 36	3,2	20	46	K0344.95

KIPP Indexing Plungers without collar, in stainless steel, locking pin not hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0343.11903	K0343.12903	3	M6x0,75	14	31,5	17	11	3,5	- / 10	0,8	4,5	10	K0344.99
K0343.11004	K0343.12004	4	M8x1	18	38,5	21	13,5	4	- / 13	1,3	6	12	K0344.90
K0343.11105	K0343.12105	5	M10x1	21	43,5	24	14,5	5	- / 17	1,3	5	12	K0344.91
K0343.11206	K0343.12206	6	M12x1,5	25	51,7	28	17,7	6	- / 19	1,8	6	14	K0344.92
K0343.11308	K0343.12308	8	M16x1,5	33	68	36	24	8	- / 24	2,3	15	35	K0344.93
K0343.11410	K0343.12410	10	M20x1,5	33	74	40	24	10	- / 30	2,8	15	34	K0344.94
K0343.11412	K0343.12412	12	M20x1,5	33	78	42	24	12	- / 30	2,8	15	39	K0344.94
K0343.11516	K0343.12516	16	M24x2	40	96	50	30	16	- / 36	3,2	20	46	K0344.95

Indexing Plungers

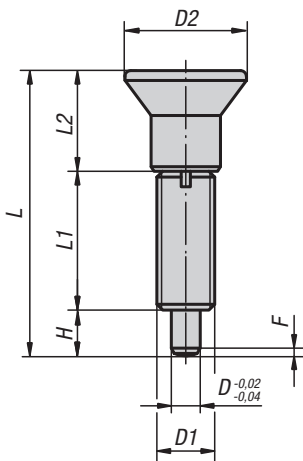
without collar with extended locking pin



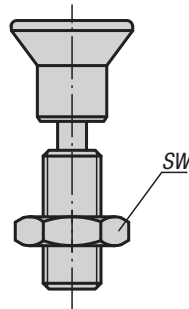
INCH
Parts



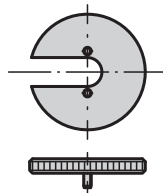
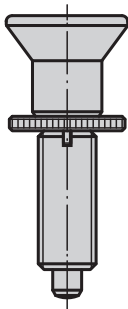
Style G
without locknut



Style H
with locknut



Indexing plunger
with screw-in washer



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0633.21903AJ

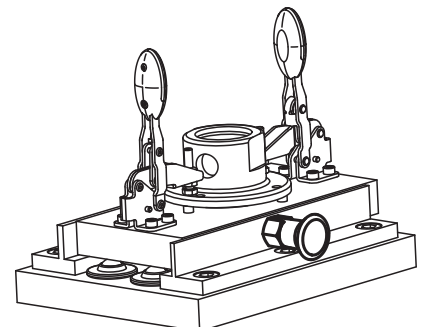
Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

A washer is available to aid by screwing in the indexing plungers. The washer slides beneath the mushroom knob so that the carrier pins engage in the slot.

On request:

Special versions.



Indexing Plungers

without collar with extended locking pin

KIPP Indexing Plungers without collar and extended locking pin, in steel, locking pin hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.21903AJ	K0633.22903AJ	3	1/4-28	14	33	17	11	5	- 7/16	0,8	4,5	12	K0344.99
K0633.21004AK	K0633.22004AK	4	5/16-24	18	40,5	21	13,5	6	- 1/2	1	6	15	K0344.90
K0633.21105AL	K0633.22105AL	5	3/8-24	21	46,5	24	14,5	8	- 9/16	1,3	5	16	K0344.91
K0633.21206A5	K0633.22206A5	6	1/2-13	25	54,7	28	17,7	9	- 3/4	1,8	6	18	K0344.92
K0633.21308A6	K0633.22308A6	8	5/8-11	33	72	36	24	12	- 15/16	2,3	15	45	K0344.93
K0633.21410A7	K0633.22410A7	10	3/4-10	33	79	40	24	15	- 1,125	2,8	15	43	K0344.94
K0633.21412A0	K0633.22412A0	12	3/4-16	33	84	42	24	18	- 1,125	2,8	15	51	K0344.94
K0633.21516A8	K0633.22516A8	16	1-8	40	104	50	30	24	- 1,5	3,2	20	60	K0344.95

KIPP Indexing Plungers without collar and extended locking pin, in stainless steel, locking pin hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.201903AJ	K0633.202903AJ	3	1/4-28	14	33	17	11	5	- 7/16	0,8	4,5	12	K0344.99
K0633.201004AK	K0633.202004AK	4	5/16-24	18	40,5	21	13,5	6	- 1/2	1	6	15	K0344.90
K0633.201105AL	K0633.202105AL	5	3/8-24	21	46,5	24	14,5	8	- 9/16	1,3	5	16	K0344.91
K0633.201206A5	K0633.202206A5	6	1/2-13	25	54,7	28	17,7	9	- 3/4	1,8	6	18	K0344.92
K0633.201308A6	K0633.202308A6	8	5/8-11	33	72	36	24	12	- 15/16	2,3	15	45	K0344.93
K0633.201410A7	K0633.202410A7	10	3/4-10	33	79	40	24	15	- 1,125	2,8	15	43	K0344.94
K0633.201412A0	K0633.202412A0	12	3/4-16	33	84	42	24	18	- 1,125	2,8	15	51	K0344.94
K0633.201516A8	K0633.202516A8	16	1-8	40	104	50	30	24	- 1,5	3,2	20	60	K0344.95

KIPP Indexing Plungers without collar and extended locking pin, in stainless steel, locking pin not hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.211903AJ	K0633.212903AJ	3	1/4-28	14	33	17	11	5	- 7/16	0,8	4,5	12	K0344.99
K0633.211004AK	K0633.212004AK	4	5/16-24	18	40,5	21	13,5	6	- 1/2	1	6	15	K0344.90
K0633.211105AL	K0633.212105AL	5	3/8-24	21	46,5	24	14,5	8	- 9/16	1,3	5	16	K0344.91
K0633.211206A5	K0633.212206A5	6	1/2-13	25	54,7	28	17,7	9	- 3/4	1,8	6	18	K0344.92
K0633.211308A6	K0633.212308A6	8	5/8-11	33	72	36	24	12	- 15/16	2,3	15	45	K0344.93
K0633.211410A7	K0633.212410A7	10	3/4-10	33	79	40	24	15	- 1,125	2,8	15	43	K0344.94
K0633.211412A0	K0633.212412A0	12	3/4-16	33	84	42	24	18	- 1,125	2,8	15	51	K0344.94
K0633.211516A8	K0633.212516A8	16	1-8	40	104	50	30	24	- 1,5	3,2	20	60	K0344.95

Indexing Plungers

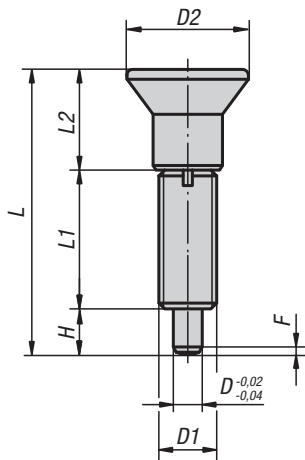
without collar with extended locking pin



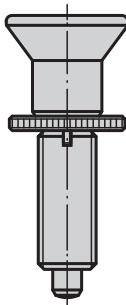
METRIC
Parts



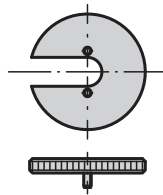
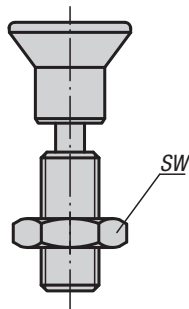
Style G
without locknut



Indexing plunger
with screw-in washer



Style H
with locknut



Material:

- Steel version, locking pin hardened: quality class 5.8
- Stainless steel version, locking pin hardened: threaded sleeve 1.4305 locking pin 1.4034
- Stainless steel version, locking pin not hardened: threaded sleeve 1.4305 locking pin 1.4305

Mushroom knob in black gray thermoplastic

Type:

- Steel version, locking pin hardened: black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened: natural finish, locking pin ground
- Stainless steel version, locking pin not hardened: natural finish, locking pin ground

Part Number Example:

K0633.21903AJ

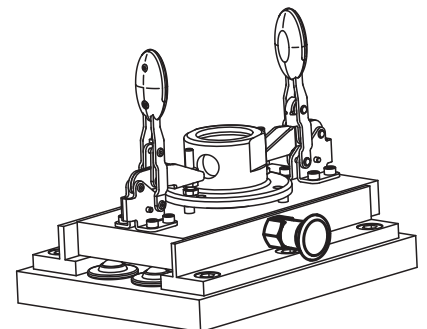
Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the pin has been manually disengaged.

A washer is available to aid by screwing in the indexing plungers. The washer slides beneath the mushroom knob so that the carrier pins engage in the slot.

On request:

Special versions.



Indexing Plungers

without collar with extended locking pin

KIPP Indexing Plungers without collar and extended locking pin, in steel, locking pin hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.21903	K0633.22903	3	M6x0,75	14	33	17	11	5	- / 10	0,8	4,5	12	K0344.99
K0633.21004	K0633.22004	4	M8x1	18	40,5	21	13,5	6	- / 13	1	6	15	K0344.90
K0633.21105	K0633.22105	5	M10x1	21	46,5	24	14,5	8	- / 17	1,3	5	16	K0344.91
K0633.21206	K0633.22206	6	M12x1,5	25	54,7	28	17,7	9	- / 19	1,8	6	18	K0344.92
K0633.21308	K0633.22308	8	M16x1,5	33	72	36	24	12	- / 24	2,3	15	45	K0344.93
K0633.21410	K0633.22410	10	M20x1,5	33	79	40	24	15	- / 30	2,8	15	43	K0344.94
K0633.21412	K0633.22412	12	M20x1,5	33	84	42	24	18	- / 30	2,8	15	51	K0344.94
K0633.21516	K0633.22516	16	M24x2	40	104	50	30	24	- / 36	3,2	20	60	K0344.95

KIPP Indexing Plungers without collar and extended locking pin, in stainless steel, locking pin hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.201903	K0633.202903	3	M6x0,75	14	33	17	11	5	- / 10	0,8	4,5	12	K0344.99
K0633.201004	K0633.202004	4	M8x1	18	40,5	21	13,5	6	- / 13	1	6	15	K0344.90
K0633.201105	K0633.202105	5	M10x1	21	46,5	24	14,5	8	- / 17	1,3	5	16	K0344.91
K0633.201206	K0633.202206	6	M12x1,5	25	54,7	28	17,7	9	- / 19	1,8	6	18	K0344.92
K0633.201308	K0633.202308	8	M16x1,5	33	72	36	24	12	- / 24	2,3	15	45	K0344.93
K0633.201410	K0633.202410	10	M20x1,5	33	79	40	24	15	- / 30	2,8	15	43	K0344.94
K0633.201412	K0633.202412	12	M20x1,5	33	84	42	24	18	- / 30	2,8	15	51	K0344.94
K0633.201516	K0633.202516	16	M24x2	40	104	50	30	24	- / 36	3,2	20	60	K0344.95

KIPP Indexing Plungers without collar and extended locking pin, in stainless steel, locking pin not hardened, metric

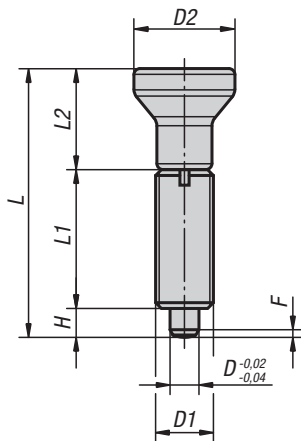
Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0633.211903	K0633.212903	3	M6x0,75	14	33	17	11	5	- / 10	0,8	4,5	12	K0344.99
K0633.211004	K0633.212004	4	M8x1	18	40,5	21	13,5	6	- / 13	1	6	15	K0344.90
K0633.211105	K0633.212105	5	M10x1	21	46,5	24	14,5	8	- / 17	1,3	5	16	K0344.91
K0633.211206	K0633.212206	6	M12x1,5	25	54,7	28	17,7	9	- / 19	1,8	6	18	K0344.92
K0633.211308	K0633.212308	8	M16x1,5	33	72	36	24	12	- / 24	2,3	15	45	K0344.93
K0633.211410	K0633.212410	10	M20x1,5	33	79	40	24	15	- / 30	2,8	15	43	K0344.94
K0633.211412	K0633.212412	12	M20x1,5	33	84	42	24	18	- / 30	2,8	15	51	K0344.94
K0633.211516	K0633.212516	16	M24x2	40	104	50	30	24	- / 36	3,2	20	60	K0344.95

Indexing Plungers

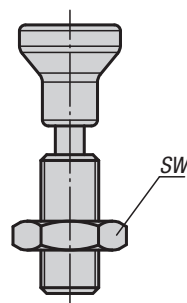
without collar, stainless steel



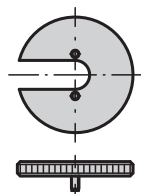
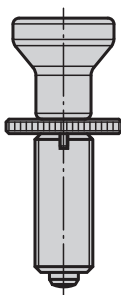
Style G
without locknut



Style H
with locknut



Indexing plunger
with screw-in washer



Material:

- Locking pin hardened:
threaded sleeve 1.4305
locking pin 1.4034
- Locking pin not hardened:
threaded sleeve 1.4305
locking pin 1.4305

Mushroom knob 1.4305, electrolytic-polish

Type:

Natural finish; locking pin ground

Part Number Example:

K0634.001903AJ

Note:

Indexing plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been manually disengaged. In order to screw in the Indexing Plungers, a screw-in washer can be supplied. The washer is slid beneath the disengaged mushroom knob so that the follower pins engage in the slot.

On request:

Special versions.

KIPP Indexing Plungers, without collar, in stainless steel, locking pin hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0634.001903AJ	K0634.002903AJ	3	1/4-28	14	34,5	17	14	3,5	- 17/16	0,8	4,5	10	K0344.99
K0634.001004AK	K0634.002004AK	4	5/16-24	18	43	21	18	4	- 1 1/2	1	6	12	K0344.90
K0634.001105AL	K0634.002105AL	5	3/8-24	21	50	24	21	5	- 19/16	1,3	5	12	K0344.91
K0634.001206A5	K0634.002206A5	6	1/2-13	25	59	28	25	6	- 1 3/4	1,8	6	14	K0344.92
K0634.001308A6	K0634.002308A6	8	5/8-11	33	77	36	33	8	- 1 15/16	2,3	15	35	K0344.93
K0634.001410A7	K0634.002410A7	10	3/4-10	33	83	40	33	10	- 1 1,125	2,6	15	34	K0344.94
K0634.001412A0	K0634.002412A0	12	3/4-16	33	87	42	33	12	- 1 1,125	2,8	15	39	K0344.94
K0634.001516A8	K0634.002516A8	16	1-8	40	106	50	40	16	- 1 1,5	3,2	20	46	K0344.95

Indexing Plungers

without collar, stainless steel



KIPP Indexing Plungers, without collar, in stainless steel, locking pin not hardened, inch

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0634.111903AJ	K0634.112903AJ	3	1/4-28	14	34,5	17	14	3,5	- 7/16	0,8	4,5	10	K0344.99
K0634.111004AK	K0634.112004AK	4	5/16-24	18	43	21	18	4	- 1/2	1	6	12	K0344.90
K0634.111105AL	K0634.112105AL	5	3/8-24	21	50	24	21	5	- 9/16	1,3	5	12	K0344.91
K0634.111206A5	K0634.112206A5	6	1/2-13	25	59	28	25	6	- 3/4	1,8	6	14	K0344.92
K0634.111308A6	K0634.112308A6	8	5/8-11	33	77	36	33	8	- 15/16	2,3	15	35	K0344.93
K0634.111410A7	K0634.112410A7	10	3/4-10	33	83	40	33	10	- 1,125	2,6	15	34	K0344.94
K0634.111412A0	K0634.112412A0	12	3/4-16	33	87	42	33	12	- 1,125	2,8	15	39	K0344.94
K0634.111516A8	K0634.112516A8	16	1-8	40	106	50	40	16	- 1,5	3,2	20	46	K0344.95

KIPP Indexing Plungers, without collar, in stainless steel, locking pin hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0634.001903	K0634.002903	3	M6x0,75	14	34,5	17	14	3,5	- / 10	0,8	4,5	10	K0344.99
K0634.001004	K0634.002004	4	M8x1	18	43	21	18	4	- / 13	1	6	12	K0344.90
K0634.001105	K0634.002105	5	M10x1	21	50	24	21	5	- / 17	1,3	5	12	K0344.91
K0634.001206	K0634.002206	6	M12x1,5	25	59	28	25	6	- / 19	1,8	6	14	K0344.92
K0634.001308	K0634.002308	8	M16x1,5	33	77	36	33	8	- / 24	2,3	15	35	K0344.93
K0634.001410	K0634.002410	10	M20x1,5	33	83	40	33	10	- / 30	2,8	15	34	K0344.94
K0634.001412	K0634.002412	12	M20x1,5	33	87	42	33	12	- / 30	2,8	15	39	K0344.94
K0634.001516	K0634.002516	16	M24x2	40	106	50	40	16	- / 36	3,2	20	46	K0344.95

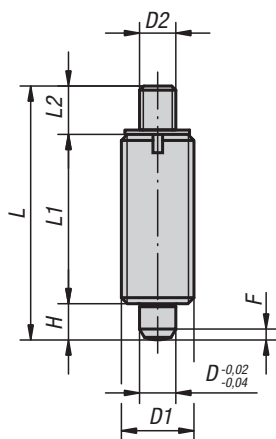
KIPP Indexing Plungers, without collar, in stainless steel, locking pin not hardened, metric

Item No. Style G	Item No. Style H	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0634.111903	K0634.112903	3	M6x0,75	14	34,5	17	14	3,5	- / 10	0,8	4,5	10	K0344.99
K0634.111004	K0634.112004	4	M8x1	18	43	21	18	4	- / 13	1	6	12	K0344.90
K0634.111105	K0634.112105	5	M10x1	21	50	24	21	5	- / 17	1,3	5	12	K0344.91
K0634.111206	K0634.112206	6	M12x1,5	25	59	28	25	6	- / 19	1,8	6	14	K0344.92
K0634.111308	K0634.112308	8	M16x1,5	33	77	36	33	8	- / 24	2,3	15	35	K0344.93
K0634.111410	K0634.112410	10	M20x1,5	33	83	40	33	10	- / 30	2,8	15	34	K0344.94
K0634.111412	K0634.112412	12	M20x1,5	33	87	42	33	12	- / 30	2,8	15	39	K0344.94
K0634.111516	K0634.112516	16	M24x2	40	106	50	40	16	- / 36	3,2	20	46	K0344.95

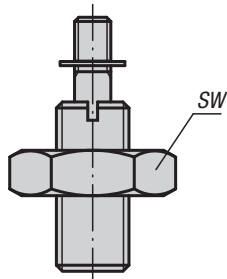
Indexing Plungers

without collar

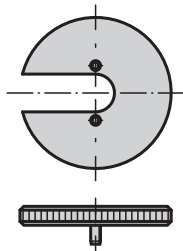
INCH
Parts



Style J
with threaded pin
without locknut



Style K
with threaded pin
with locknut



Material:

- Steel version, locking pin hardened:
quality class 5.8
- Stainless steel version, locking pin hardened:
threaded sleeve 1.4305
locking pin 1.4034
- Stainless steel version, locking pin not hardened:
threaded sleeve 1.4305
locking pin 1.4305

Type:

- Steel version, locking pin hardened:
black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened:
natural finish, locking pin ground
- Stainless steel version, locking pin not hardened:
natural finish, locking pin ground

Part Number Example:

K0345.1903AJ

Note:

Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been disengaged.

Special grips can be fitted on the projecting threaded pin. This pin is also suitable for automatic actuation by e.g. program controlled pneumatic cylinder or by remote control using bowden cables.

A washer is available to aid screwing in the indexing plungers. The washer is placed on the threaded sleeve so that the carrier pins engage in the slot.

On request:

Special versions.

Indexing Plungers

without collar



KIPP Indexing Plungers, without collar, threaded pin, steel, locking pin hardened, inch

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.1903AJ	K0345.2903AJ	3	1/4-28	M2	24	17	3,5	3,5	- 17/16	0,8	4,5	10	K0344.99
K0345.1004AK	K0345.2004AK	4	5/16-24	M3	32	21	7	4	- 1 1/2	1	6	12	K0344.90
K0345.1105AL	K0345.2105AL	5	3/8-24	M4	37	24	8	5	- 19/16	1,3	5	12	K0344.91
K0345.1206A5	K0345.2206A5	6	1/2-13	M6	42	28	8	6	- 1 3/4	1,8	6	14	K0344.92
K0345.1308A6	K0345.2308A6	8	5/8-11	M8	56	36	12	8	- 1 15/16	2,3	15	35	K0344.93
K0345.1410A7	K0345.2410A7	10	3/4-10	M8	62	40	12	10	- 1 1,125	2,8	15	34	K0344.94
K0345.1412A0	K0345.2412A0	12	3/4-16	M8	66	42	12	12	- 1 1,125	2,8	15	39	K0344.94
K0345.1516A8	K0345.2516A8	16	1-8	M10	80	50	14	16	- 1 1,5	3,2	20	46	K0344.95

KIPP Indexing Plungers, without collar, threaded pin, stainless steel, locking pin hardened, inch

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.01903AJ	K0345.02903AJ	3	1/4-28	M2	24	17	3,5	3,5	- 17/16	0,8	4,5	10	K0344.99
K0345.01004AK	K0345.02004AK	4	5/16-24	M3	32	21	7	4	- 1 1/2	1	6	12	K0344.90
K0345.01105AL	K0345.02105AL	5	3/8-24	M4	37	24	8	5	- 19/16	1,3	5	12	K0344.91
K0345.01206A5	K0345.02206A5	6	1/2-13	M6	42	28	8	6	- 1 3/4	1,8	6	14	K0344.92
K0345.01308A6	K0345.02308A6	8	5/8-11	M8	56	36	12	8	- 1 15/16	2,3	15	35	K0344.93
K0345.01410A7	K0345.02410A7	10	3/4-10	M8	62	40	12	10	- 1 1,125	2,8	15	34	K0344.94
K0345.01412A0	K0345.02412A0	12	3/4-16	M8	66	42	12	12	- 1 1,125	2,8	15	39	K0344.94
K0345.01516A8	K0345.02516A8	16	1-8	M10	80	50	14	16	- 1 1,5	3,2	20	46	K0344.95

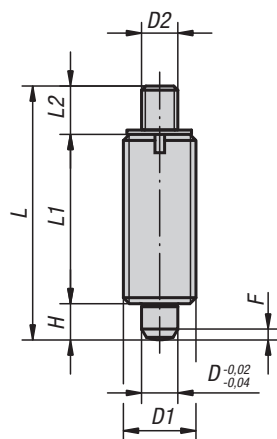
KIPP Indexing Plungers, without collar, threaded pin, stainless steel, locking pin not hardened, inch

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.11903AJ	K0345.12903AJ	3	1/4-28	M2	24	17	3,5	3,5	- 17/16	0,8	4,5	10	K0344.99
K0345.11004AK	K0345.12004AK	4	5/16-24	M3	32	21	7	4	- 1 1/2	1	6	12	K0344.90
K0345.11105AL	K0345.12105AL	5	3/8-24	M4	37	24	8	5	- 19/16	1,3	5	12	K0344.91
K0345.11206A5	K0345.12206A5	6	1/2-13	M6	42	28	8	6	- 1 3/4	1,8	6	14	K0344.92
K0345.11308A6	K0345.12308A6	8	5/8-11	M8	56	36	12	8	- 1 15/16	2,3	15	35	K0344.93
K0345.11410A7	K0345.12410A7	10	3/4-10	M8	62	40	12	10	- 1 1,125	2,8	15	34	K0344.94
K0345.11412A0	K0345.12412A0	12	3/4-16	M8	66	42	12	12	- 1 1,125	2,8	15	39	K0344.94
K0345.11516A8	K0345.12516A8	16	1-8	M10	80	50	14	16	- 1 1,5	3,2	20	46	K0344.95

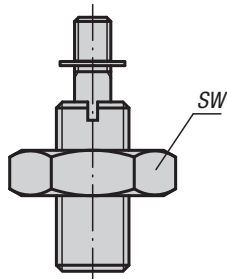
Indexing Plungers

without collar

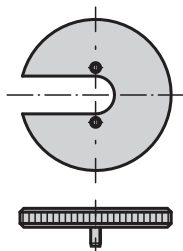
METRIC
Parts



Style J
with threaded pin
without locknut



Style K
with threaded pin
with locknut



Material:

- Steel version, locking pin hardened:
quality class 5.8
- Stainless steel version, locking pin hardened:
threaded sleeve 1.4305
locking pin 1.4034
- Stainless steel version, locking pin not hardened:
threaded sleeve 1.4305
locking pin 1.4305

Type:

- Steel version, locking pin hardened:
black oxide finish, locking pin ground
- Stainless steel version, locking pin hardened:
natural finish, locking pin ground
- Stainless steel version, locking pin not hardened:
natural finish, locking pin ground

Part Number Example:

K0345.1903AJ

Note:

Indexing Plungers are used to prevent any change in locking position due to lateral forces. A new locking position can only be set after the bolt has been disengaged.

Special grips can be fitted on the projecting threaded pin. This pin is also suitable for automatic actuation by e.g. program controlled pneumatic cylinder or by remote control using bowden cables.

A washer is available to aid screwing in the indexing plungers. The washer is placed on the threaded sleeve so that the carrier pins engage in the slot.

On request:

Special versions.

Indexing Plungers

without collar



KIPP Indexing Plungers, without collar, threaded pin, steel, locking pin hardened, metric

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.1903	K0345.2903	3	M6x0,75	M2	24	17	3,5	3,5	-/10	0,8	4,5	10	K0344.99
K0345.1004	K0345.2004	4	M8x1	M3	32	21	7	4	-/13	1	6	12	K0344.90
K0345.1105	K0345.2105	5	M10x1	M4	37	24	8	5	-/17	1,3	5	12	K0344.91
K0345.1206	K0345.2206	6	M12x1,5	M6	42	28	8	6	-/19	1,8	6	14	K0344.92
K0345.1308	K0345.2308	8	M16x1,5	M8	56	36	12	8	-/24	2,3	15	35	K0344.93
K0345.1410	K0345.2410	10	M20x1,5	M8	62	40	12	10	-/30	2,8	15	34	K0344.94
K0345.1412	K0345.2412	12	M20x1,5	M8	66	42	12	12	-/30	2,8	15	39	K0344.94
K0345.1516	K0345.2516	16	M24x2	M10	80	50	14	16	-/36	3,2	20	46	K0344.95

KIPP Indexing Plungers, without collar, threaded pin, stainless steel, locking pin hardened, metric

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.01903	K0345.02903	3	M6x0,75	M2	24	17	3,5	3,5	-/10	0,8	4,5	10	K0344.99
K0345.01004	K0345.02004	4	M8x1	M3	32	21	7	4	-/13	1	6	12	K0344.90
K0345.01105	K0345.02105	5	M10x1	M4	37	24	8	5	-/17	1,3	5	12	K0344.91
K0345.01206	K0345.02206	6	M12x1,5	M6	42	28	8	6	-/19	1,8	6	14	K0344.92
K0345.01308	K0345.02308	8	M16x1,5	M8	56	36	12	8	-/24	2,3	15	35	K0344.93
K0345.01410	K0345.02410	10	M20x1,5	M8	62	40	12	10	-/30	2,8	15	34	K0344.94
K0345.01412	K0345.02412	12	M20x1,5	M8	66	42	12	12	-/30	2,8	15	39	K0344.94
K0345.01516	K0345.02516	16	M24x2	M10	80	50	14	16	-/36	3,2	20	46	K0344.95

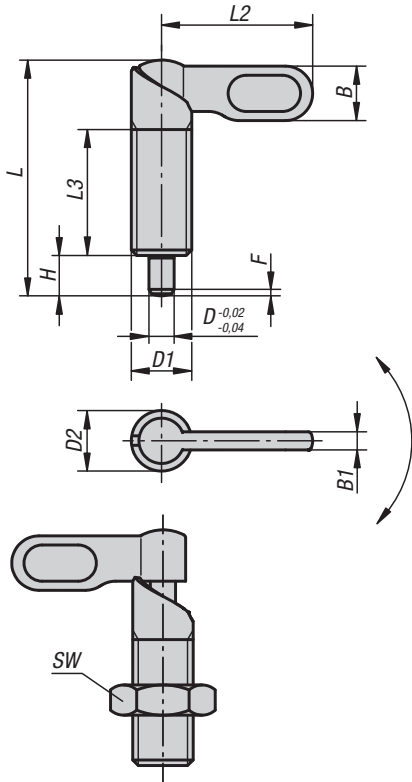
KIPP Indexing Plungers, without collar, threaded pin, stainless steel, locking pin not hardened, metric

Item No. Style J	Item No. Style K	D	D1	D2	L	L1	L2	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Item No. screw-in washer
K0345.11903	K0345.12903	3	M6x0,75	M2	24	17	3,5	3,5	-/10	0,8	4,5	10	K0344.99
K0345.11004	K0345.12004	4	M8x1	M3	32	21	7	4	-/13	1	6	12	K0344.90
K0345.11105	K0345.12105	5	M10x1	M4	37	24	8	5	-/17	1,3	5	12	K0344.91
K0345.11206	K0345.12206	6	M12x1,5	M6	42	28	8	6	-/19	1,8	6	14	K0344.92
K0345.11308	K0345.12308	8	M16x1,5	M8	56	36	12	8	-/24	2,3	15	35	K0344.93
K0345.11410	K0345.12410	10	M20x1,5	M8	62	40	12	10	-/30	2,8	15	34	K0344.94
K0345.11412	K0345.12412	12	M20x1,5	M8	66	42	12	12	-/30	2,8	15	39	K0344.94
K0345.11516	K0345.12516	16	M24x2	M10	80	50	14	16	-/36	3,2	20	46	K0344.95

Cam Action Indexing Plungers



INCH Parts METRIC Parts



Style C
grip powder-coated
without nut

Style D
grip powder-coated
with nut



Material:
Steel quality class 5.8

Type:
Black oxide finish.
Pin hardened and ground.

Part Number Example:
K0348.0604A4

Note:
Cam-Action Indexing Plungers are used when the indexing pin should not project all the time. Turning the handle through 180° retracts the pin. A notch ensures that the handle remains in this position.

KIPP Cam Action Indexing Plungers, inch

Item No. Style C	Item No. Style D	D	D1	D2	L	L2	L3	B	B1	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0348.0604A4	K0348.0704A4	4	3/8-16	10	38	25	20	9	3	6	-1 9/16	1	8	14
K0348.0605A4	K0348.0705A4	5	3/8-16	10	38	25	20	9	3	6	-1 9/16	1,3	8	14
K0348.0606A4	K0348.0706A4	6	3/8-16	10	38	25	20	9	3	6	-1 9/16	1,8	8	14
K0348.0604AL	K0348.0704AL	4	3/8-24	10	38	25	20	9	3	6	-1 9/16	1	8	14
K0348.0605AL	K0348.0705AL	5	3/8-24	10	38	25	20	9	3	6	-1 9/16	1,3	8	14
K0348.0606AL	K0348.0706AL	6	3/8-24	10	38	25	20	9	3	6	-1 9/16	1,8	8	14
K0348.0605A5	K0348.0705A5	5	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,3	8	15
K0348.0606A5	K0348.0706A5	6	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,8	8	15
K0348.0608A5	K0348.0708A5	8	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	2,3	8	15
K0348.0605AM	K0348.0705AM	5	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,3	8	15
K0348.0606AM	K0348.0706AM	6	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,8	8	15
K0348.0608AM	K0348.0708AM	8	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	2,3	8	15
K0348.0606A6	K0348.0706A6	6	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	1,8	15	35
K0348.0608A6	K0348.0708A6	8	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,3	15	35
K0348.0610A6	K0348.0710A6	10	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,8	15	35
K0348.0606AN	K0348.0706AN	6	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 15/16	1,8	15	35
K0348.0608AN	K0348.0708AN	8	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,3	15	35
K0348.0610AN	K0348.0710AN	10	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 1-1/8	2,8	15	35
K0348.0608A7	K0348.0708A7	8	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	2,3	20	60
K0348.0610A7	K0348.0710A7	10	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	2,8	20	60
K0348.0612A7	K0348.0712A7	12	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	3	20	60
K0348.0608A0	K0348.0708A0	8	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	2,3	20	60
K0348.0610A0	K0348.0710A0	10	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	2,8	20	60
K0348.0612A0	K0348.0712A0	12	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	3	20	60

Cam Action Indexing Plungers

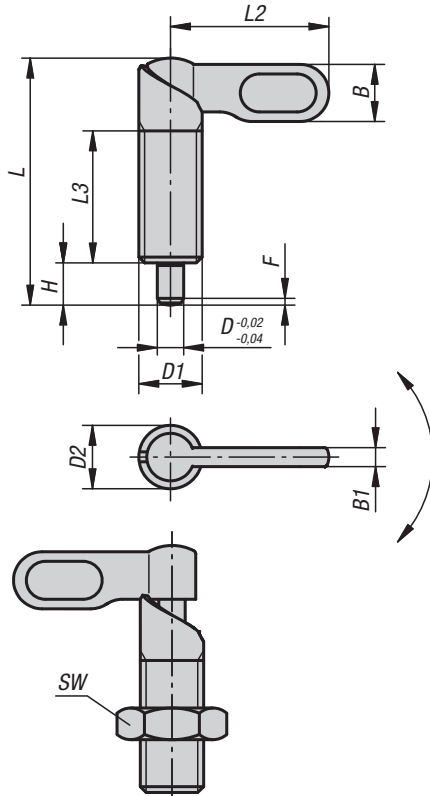


KIPP Cam Action Indexing Plungers, metric

Item No. Style C	Item No. Style D	D	D1	D2	L	L2	L3	B	B1	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0348.060410	K0348.070410	4	M10	10	38	25	20	9	3	6	-/17	1	8	14
K0348.060510	K0348.070510	5	M10	10	38	25	20	9	3	6	-/17	1,3	8	14
K0348.060610	K0348.070610	6	M10	10	38	25	20	9	3	6	-/17	1,8	8	14
K0348.0604101	K0348.0704101	4	M10x1	10	38	25	20	9	3	6	-/17	1	8	14
K0348.0605101	K0348.0705101	5	M10x1	10	38	25	20	9	3	6	-/17	1,3	8	14
K0348.0606101	K0348.0706101	6	M10x1	10	38	25	20	9	3	6	-/17	1,8	8	14
K0348.060512	K0348.070512	5	M12	12	46,8	30	25	10,8	3,6	8	-/19	1,3	8	15
K0348.060612	K0348.070612	6	M12	12	46,8	30	25	10,8	3,6	8	-/19	1,8	8	15
K0348.060812	K0348.070812	8	M12	12	46,8	30	25	10,8	3,6	8	-/19	2,3	8	15
K0348.0605121	K0348.0705121	5	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	1,3	8	15
K0348.0606121	K0348.0706121	6	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	1,8	8	15
K0348.0608121	K0348.0708121	8	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	2,3	8	15
K0348.060616	K0348.070616	6	M16	16	60,4	40	32	14,4	4,8	10	-/24	1,8	15	35
K0348.060816	K0348.070816	8	M16	16	60,4	40	32	14,4	4,8	10	-/24	2,3	15	35
K0348.061016	K0348.071016	10	M16	16	60,4	40	32	14,4	4,8	10	-/24	2,8	15	35
K0348.0606161	K0348.0706161	6	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	1,8	15	35
K0348.0608161	K0348.0708161	8	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	2,3	15	35
K0348.0610161	K0348.0710161	10	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	2,8	15	35
K0348.060820	K0348.070820	8	M20	20	70	50	35	18	6	12	-/30	2,3	20	60
K0348.061020	K0348.071020	10	M20	20	70	50	35	18	6	12	-/30	2,8	20	60
K0348.061220	K0348.071220	12	M20	20	70	50	35	18	6	12	-/30	3	20	60
K0348.0608201	K0348.0708201	8	M20x1,5	20	70	50	35	18	6	12	-/30	2,3	20	60
K0348.0610201	K0348.0710201	10	M20x1,5	20	70	50	35	18	6	12	-/30	2,8	20	60
K0348.0612201	K0348.0712201	12	M20x1,5	20	70	50	35	18	6	12	-/30	3	20	60

Cam Action Indexing Plungers

stainless steel



Style A
grip uncoated
without nut

Style B
grip uncoated
with nut



Material:

Stainless steel 1.4305.

Type:

Natural finish; pin ground, not hardened

Part Number Example:

K0637.10404A4

Note:

Cam Action Indexing Plungers are used when the locking pin should not project at certain times. Turning the bolt through 180° retracts the pin. A locking notch ensures that the cam action indexing plunger is held in this position.

KIPP Cam Action Indexing Plungers in stainless steel, inch

Item No. Style A	Item No. Style B	D	D1	D2	L	L2	L3	B	B1	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0637.10404A4	K0637.10504A4	4	3/8-16	10	38	25	20	9	3	6	-1 9/16	1	8	14
K0637.10405A4	K0637.10505A4	5	3/8-16	10	38	25	20	9	3	6	-1 9/16	1,3	8	14
K0637.10406A4	K0637.10506A4	6	3/8-16	10	38	25	20	9	3	6	-1 9/16	1,8	8	14
K0637.10404AL	K0637.10504AL	4	3/8-24	10	38	25	20	9	3	6	-1 9/16	1	8	14
K0637.10405AL	K0637.10505AL	5	3/8-24	10	38	25	20	9	3	6	-1 9/16	1,3	8	14
K0637.10406AL	K0637.10506AL	6	3/8-24	10	38	25	20	9	3	6	-1 9/16	1,8	8	14
K0637.10405A5	K0637.10505A5	5	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,3	8	15
K0637.10406A5	K0637.10506A5	6	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,8	8	15
K0637.10408A5	K0637.10508A5	8	1/2-13	12	46,8	30	25	10,8	3,6	8	-1 3/4	2,3	8	15
K0637.10405AM	K0637.10505AM	5	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,3	8	15
K0637.10406AM	K0637.10506AM	6	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	1,8	8	15
K0637.10408AM	K0637.10508AM	8	1/2-20	12	46,8	30	25	10,8	3,6	8	-1 3/4	2,3	8	15
K0637.10406A6	K0637.10506A6	6	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	1,8	15	35
K0637.10408A6	K0637.10508A6	8	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,3	15	35
K0637.10410A6	K0637.10510A6	10	5/8-11	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,8	15	35
K0637.10406AN	K0637.10506AN	6	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 15/16	1,8	15	35
K0637.10408AN	K0637.10508AN	8	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,3	15	35
K0637.10410AN	K0637.10510AN	10	5/8-28	16	60,4	40	32	14,4	4,8	10	-1 15/16	2,8	15	35
K0637.10408A7	K0637.10508A7	8	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	2,3	20	60
K0637.10410A7	K0637.10510A7	10	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	2,8	20	60
K0637.10412A7	K0637.10512A7	12	3/4-10	20	70	50	35	18	6	12	-1 1-1/8	3	20	60
K0637.10408A0	K0637.10508A0	8	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	2,3	20	60
K0637.10410A0	K0637.10510A0	10	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	2,8	20	60
K0637.10412A0	K0637.10512A0	12	3/4-16	20	70	50	35	18	6	12	-1 1-1/8	3	20	60

Cam Action Indexing Plungers

stainless steel



KIPP Cam Action Indexing Plungers in stainless steel, metric

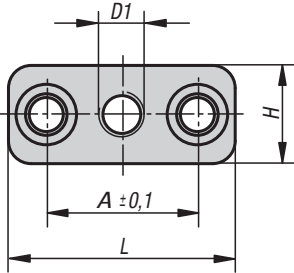
Item No. Style A	Item No. Style B	D	D1	D2	L	L2	L3	B	B1	H	SW	F x 30°	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N
K0637.1040410	K0637.1050410	4	M10	10	38	25	20	9	3	6	-/17	1	8	14
K0637.1040510	K0637.1050510	5	M10	10	38	25	20	9	3	6	-/17	1,3	8	14
K0637.1040610	K0637.1050610	6	M10	10	38	25	20	9	3	6	-/17	1,8	8	14
K0637.10404101	K0637.10504101	4	M10x1	10	38	25	20	9	3	6	-/17	1	8	14
K0637.10405101	K0637.10505101	5	M10x1	10	38	25	20	9	3	6	-/17	1,3	8	14
K0637.10406101	K0637.10506101	6	M10x1	10	38	25	20	9	3	6	-/17	1,8	8	14
K0637.1040512	K0637.1050512	5	M12	12	46,8	30	25	10,8	3,6	8	-/19	1,3	8	15
K0637.1040612	K0637.1050612	6	M12	12	46,8	30	25	10,8	3,6	8	-/19	1,8	8	15
K0637.1040812	K0637.1050812	8	M12	12	46,8	30	25	10,8	3,6	8	-/19	2,3	8	15
K0637.10405121	K0637.10505121	5	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	1,3	8	15
K0637.10406121	K0637.10506121	6	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	1,8	8	15
K0637.10408121	K0637.10508121	8	M12x1,5	12	46,8	30	25	10,8	3,6	8	-/19	2,3	8	15
K0637.1040616	K0637.1050616	6	M16	16	60,4	40	32	14,4	4,8	10	-/24	1,8	15	35
K0637.1040816	K0637.1050816	8	M16	16	60,4	40	32	14,4	4,8	10	-/24	2,3	15	35
K0637.1041016	K0637.1051016	10	M16	16	60,4	40	32	14,4	4,8	10	-/24	2,8	15	35
K0637.10406161	K0637.10506161	6	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	1,8	15	35
K0637.10408161	K0637.10508161	8	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	2,3	15	35
K0637.10410161	K0637.10510161	10	M16x1,5	16	60,4	40	32	14,4	4,8	10	-/24	2,8	15	35
K0637.1040820	K0637.1050820	8	M20	20	70	50	35	18	6	12	-/30	2,3	20	60
K0637.1041020	K0637.1051020	10	M20	20	70	50	35	18	6	12	-/30	2,8	20	60
K0637.1041220	K0637.1051220	12	M20	20	70	50	35	18	6	12	-/30	3	20	60
K0637.10408201	K0637.10508201	8	M20x1,5	20	70	50	35	18	6	12	-/30	2,3	20	60
K0637.10410201	K0637.10510201	10	M20x1,5	20	70	50	35	18	6	12	-/30	2,8	20	60
K0637.10412201	K0637.10512201	12	M20x1,5	20	70	50	35	18	6	12	-/30	3	20	60

Mounting brackets

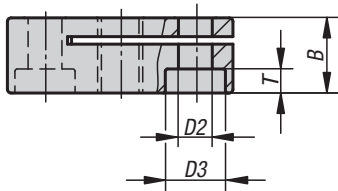
aluminum

METRIC
Parts

New Item



Style A
Fastening hole
parallel to thread

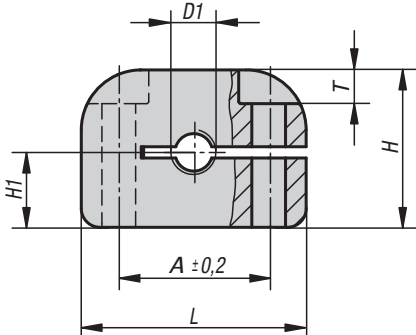


Material:
Aluminum 3.2163

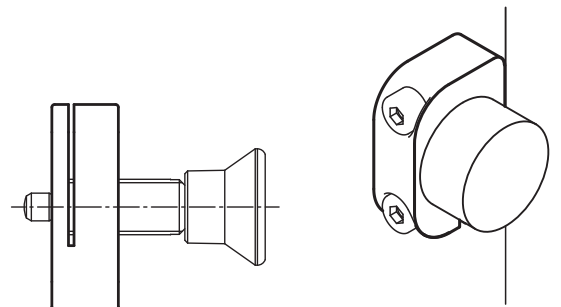
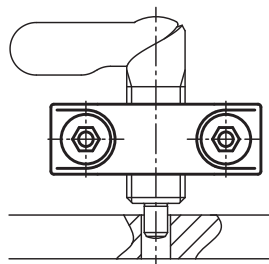
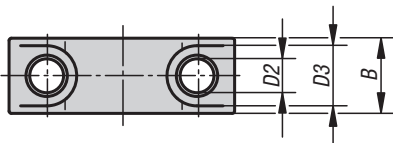
Type:
Black anodized

Part Number Example:
K0638.308

Note:
Mounting brackets are an assembly aid for
cam-action and other indexing plungers and expand
the application field. For use with socket head screws
DIN 912 / ISO 4762.



Style B
Fastening hole
perpendicular to thread



Mounting brackets

aluminum



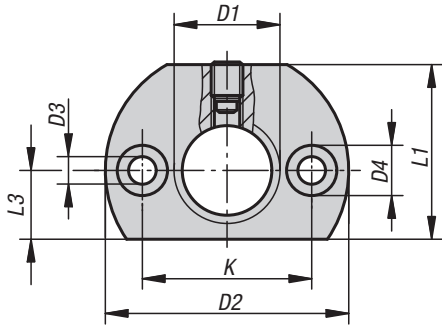
KIPP Mounting brackets aluminum, metric

Item No.	Style	D1	D2	D3	A	B	H	H1	L	T
K0638.306	A	M6	4,5	8	20	10	13	-	30	3,2
K0638.3061	A	M6x0,75	4,5	8	20	10	13	-	30	3,2
K0638.308	A	M8	4,5	8	20	10	13	-	30	3,2
K0638.3081	A	M8x1	4,5	8	20	10	13	-	30	3,2
K0638.310	A	M10	5,5	10	24	12	18	-	37	3,9
K0638.3101	A	M10x1	5,5	10	24	12	18	-	37	3,9
K0638.312	A	M12	5,5	10	24	12	18	-	37	3,9
K0638.3121	A	M12x1,5	5,5	10	24	12	18	-	37	3,9
K0638.316	A	M16	5,5	10	32	15	25	-	46	3,9
K0638.3161	A	M16x1,5	5,5	10	32	15	25	-	46	3,9
K0638.320	A	M20	5,5	10	32	15	25	-	46	3,9
K0638.3201	A	M20x1,5	5,5	10	32	15	25	-	46	3,9
K0638.406	B	M6	4,5	8	20	10	21	10	30	4,5
K0638.4061	B	M6x0,75	4,5	8	20	10	21	10	30	4,5
K0638.408	B	M8	4,5	8	20	10	21	10	30	4,5
K0638.4081	B	M8x1	4,5	8	20	10	21	10	30	4,5
K0638.410	B	M10	5,5	10	24	12	26	13	36	5,5
K0638.4101	B	M10x1	5,5	10	24	12	26	13	36	5,5
K0638.412	B	M12	5,5	10	24	12	26	13	36	5,5
K0638.4121	B	M12x1,5	5,5	10	24	12	26	13	36	5,5
K0638.416	B	M16	5,5	10	32	15	29	17	46	5,5
K0638.4161	B	M16x1,5	5,5	10	32	15	29	17	46	5,5
K0638.420	B	M20	5,5	10	32	15	29	17	46	5,5
K0638.4201	B	M20x1,5	5,5	10	32	15	29	17	46	5,5

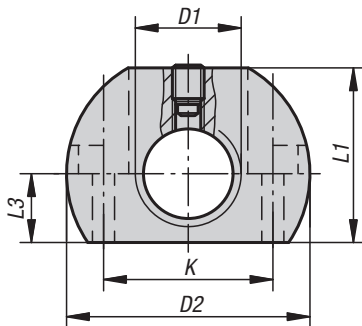
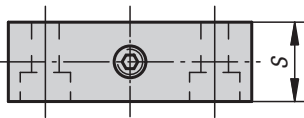
Mounting brackets

METRIC
Parts

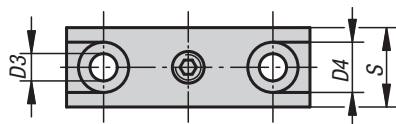
New Item



Style A
fastening hole parallel
to indexing plunger



Style B
fastening hole perpendicular
to indexing plunger



Material:
Steel.

Type:
Black oxide finish.

Part Number Example:
K0638.116

Note:
Mounting brackets are assembly aids for cam-action indexing plungers and extend their application field. They can also be used for other indexing plungers.

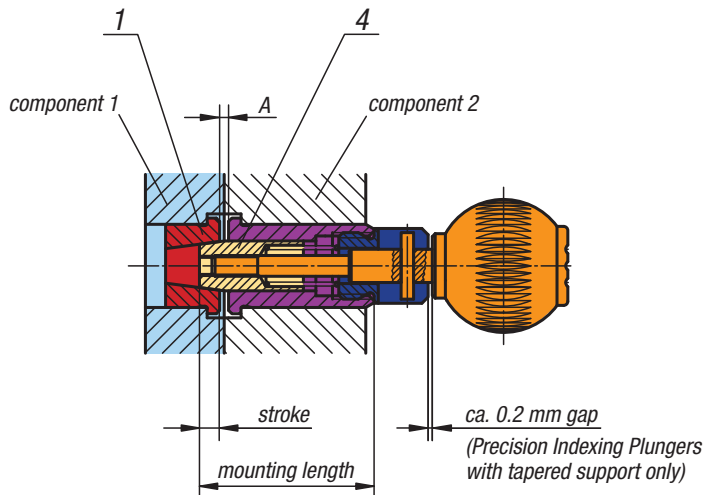
KIPP Mounting brackets, metric

Item No.	Style	D1	D2	D3	D4	K	L1	L3	S
K0638.112	A	M12	36	5,5	10	24	25	10	12
K0638.1121	A	M12x1,5	36	5,5	10	24	25	10	12
K0638.116	A	M16	46	5,5	10	32	33	13	15
K0638.1161	A	M16x1,5	46	5,5	10	32	33	13	15
K0638.120	A	M20	46	5,5	10	32	33	13	15
K0638.1201	A	M20x1,5	46	5,5	10	32	33	13	15
K0638.212	B	M12	36	5,5	10	24	25	10	12
K0638.2121	B	M12x1,5	36	5,5	10	24	25	10	12
K0638.216	B	M16	46	5,5	10	32	33	13	15
K0638.2161	B	M16x1,5	46	5,5	10	32	33	13	15
K0638.220	B	M20	46	5,5	10	32	33	13	15
K0638.2201	B	M20x1,5	46	5,5	10	32	33	13	15

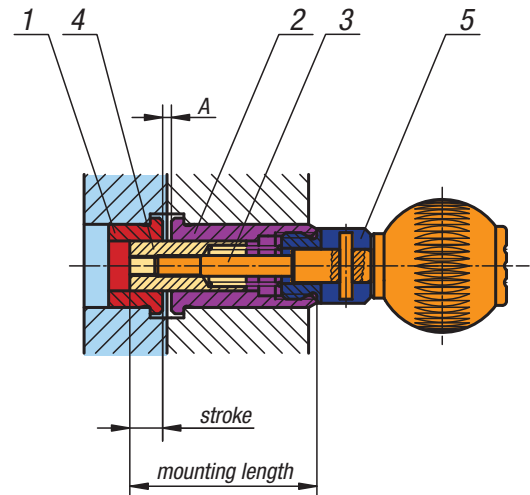
Assembly and Installation Instructions for Precision Indexing Plungers



**Precision Indexing Plungers
with tapered pin**



**Precision Indexing Plungers
with cylindrical pin**



Assembly Instructions:

1. Fit tapered or cylindrical bushing (No. 1) into component 1.
2. Fit bushing (No. 2) into component 2.
3. Determine the mounting length (actual dimension). Mounting length = $A + \text{stroke} + \text{length of No. 2}$. Note the graticule of 0.2 mm with models with tapered support.
4. Glue threaded bolt (No. 3) and centering pin (No. 4) together grease-free with anaerobic adhesive. We recommend Loctite 638.
5. Screw centering pin with nut (No. 4) and handle into the mounted bushing (No. 2). If necessary glue together grease-free with anaerobic adhesive.
6. Check whether the product is operational. Adhere to the release stroke in the catalog with locking device versions.

Note:

The Precision Indexing Plunger is only ready for operation after the stated adhesive hardening time. When gluing the components, ensure that no adhesive enters into contact with movable parts.

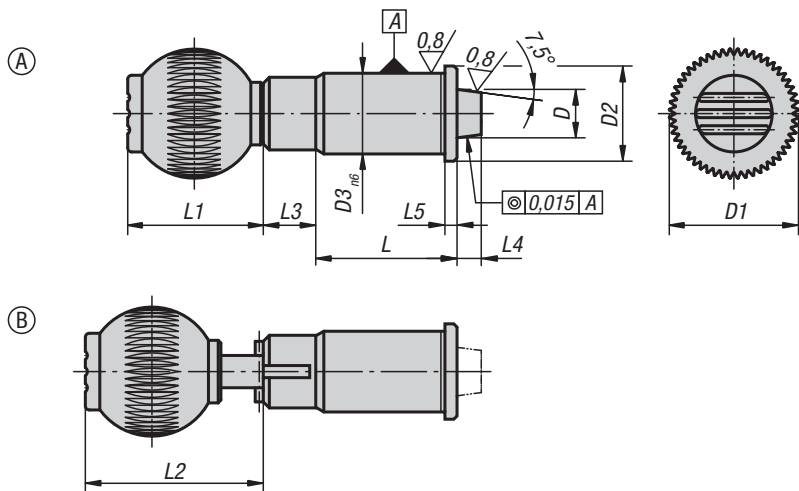


Precision Indexing Plungers

with tapered pins



METRIC
Parts



Material:

Steel, grip ball thermoplastic

Type:

Hardened and ground, grip ball black gray

Part Number Example:

K0359.010

Note:

The Indexing Plungers with bushings are a perfect combination for rapid positioning and fixing. The precise design of both the Indexing Plunger and the bushing guarantees high repeating accuracy when assembling two elements.

Technical information see assembly and installation instructions.

Drawing reference:

Style A: standard version

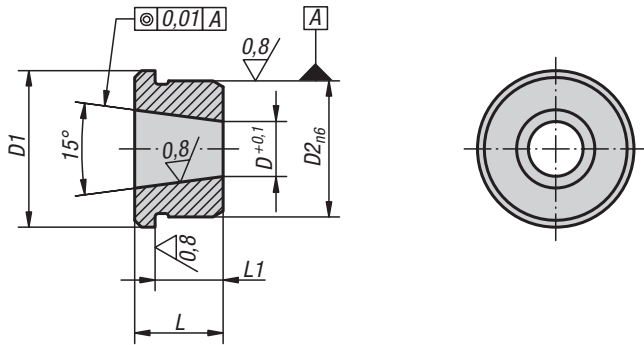
Style B: locking version

KIPP Precision indexing plungers with tapered pins, metric

Item No. Style A Standard	Item No. Style B lockable	D	D1	D2	D3	L	L1	L2	L3	L4 min.	L5	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Internal thread Grip Ball
K0359.010	K0359.110	10	25	19	16	31	25	-/32,5	13	6	2,5	19	29	M6
K0359.012	K0359.112	12	32	23	20	35	33	-/40,5	13	6	3	22	35	M8
K0359.016	K0359.116	16	40	28	25	42	41,5	-/49	13	6	3	30	50	M10
K0359.020	K0359.120	20	40	33	30	50	41,5	-/49	13	6	3	46	63	M10
K0359.025	K0359.125	25	50	42	38	60	51	-/58,5	13	6	3	39	73	M10

Tapered Bushings

METRIC
Parts



Material:
Steel.

Type:
Hardened and ground

Part Number Example:
K0360.10

Note:
Bushings for Precision Indexing Plungers K0359.

KIPP Tapered Bushings, metric

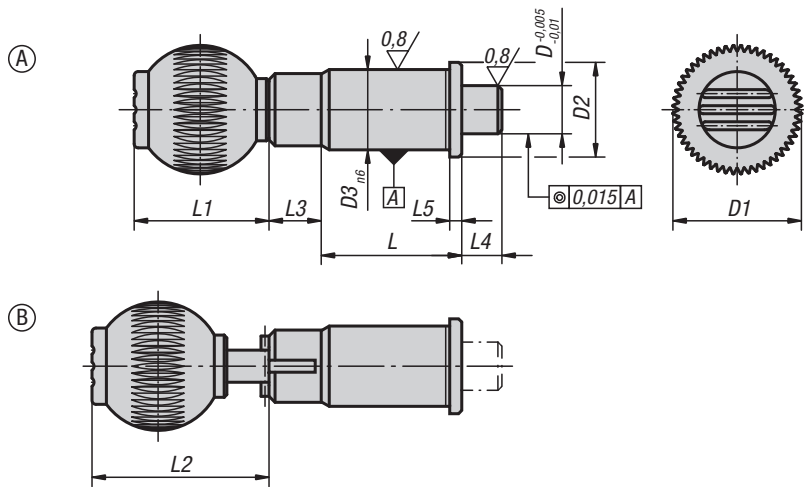
Item No.	D	D1	D2	L	L1
K0360.10	7,1	19	16	11	8,5
K0360.12	8,28	23	20	13	10
K0360.16	11,52	28	25	17	14
K0360.20	15,49	33	30	16	13
K0360.25	19,7	42	38	19	16

Precision Indexing Plungers

with cylindrical pins



METRIC
Parts



Material:

Steel, grip ball thermoplastic

Type:

Hardened and ground, grip ball black gray

Part Number Example:

K0361.010

Note:

The Indexing Plungers with bushings are a perfect combination for rapid positioning and fixing. The precise design of both the Indexing Plungers and the bushing guarantees high repeating accuracy when assembling two elements.

Technical Information see assembly and installation instructions.

Drawing reference:

Style A: standard version

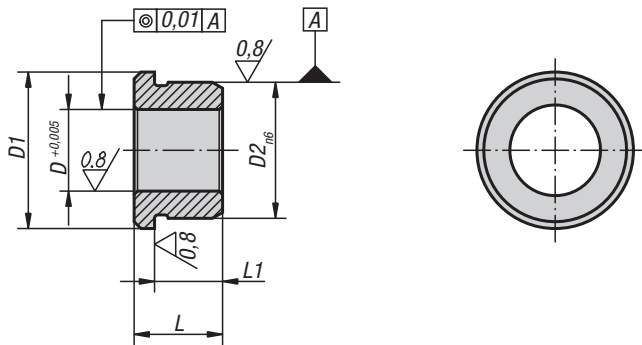
Style B: locking version

KIPP Precision Indexing Plungers with cylindrical pins, metric

Item No. Style A Standard	Item No. Style B lockable	D	D1	D2	D3	L	L1	L2	L3	L4 min.	L5	Spring force initial pressure F1 approx. N	Spring force final pressure F2 approx. N	Internal thread Grip Ball
K0361.010	K0361.110	10	25	19	16	31	25	-/36,5	13	10	2,5	15	30	M6
K0361.012	K0361.112	12	32	23	20	35	33	-/44,5	13	10	3	15	35	M8
K0361.016	K0361.116	16	40	28	25	42	41,5	-/53	13	10	3	20	50	M10
K0361.020	K0361.120	20	40	33	30	50	41,5	-/53	13	10	3	36	63	M10
K0361.025	K0361.125	25	50	42	38	60	51	-/62,5	13	10	3	20	73	M10

Cylindrical Bushings

METRIC
Parts

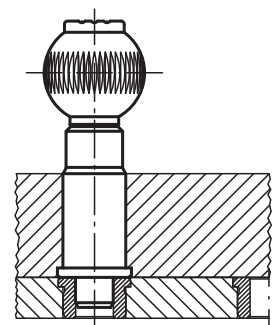


Material:
Steel.

Type:
Hardened and ground

Part Number Example:
K0362.10

Note:
Bushings for Precision Indexing Plungers K0361.



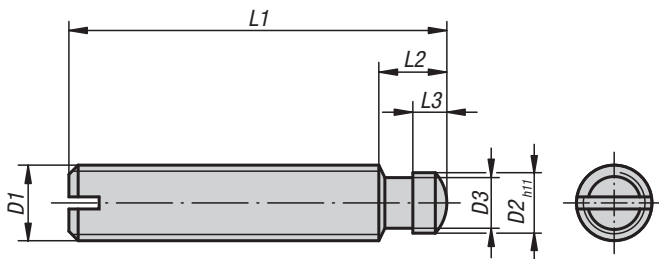
KIPP Cylindrical Bushings, metric

Item No.	D	D1	D2	L	L1
K0362.10	10	19	16	11	8,5
K0362.12	12	23	20	13	10
K0362.16	16	28	25	17	14
K0362.20	20	33	30	16	13
K0362.25	25	42	38	19	16

Grub Screws

with thrust point to DIN 6332

METRIC
Parts



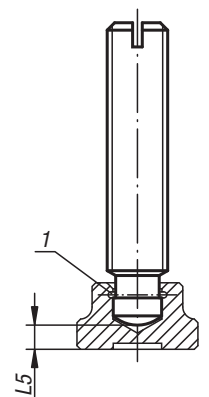
Material:
Steel or stainless steel

Type:
Steel: thrust point case-hardened, black.
Stainless steel: natural finish.

Part Number Example:
K0390.12X60
(include length L1)

Note:
The thrust journal of the Grub Screws to DIN 6332 is designed for direct clamping as well as for use in conjunction with a Thrust Pad K0392.

Drawing reference:
1) snap ring



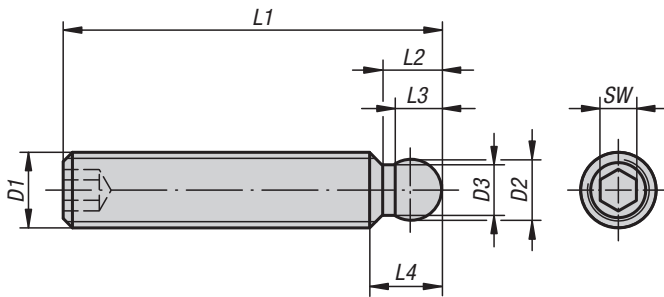
KIPP Grub Screws with thrust points to DIN 6332, metric

Item No. Steel	Item No. Stainless steel	D1	L1	D2	D3	L2	L3	L5
K0390.06X	K0390.061X	M6	30/35/40/50	4,5	4	6	2,5	2,2
K0390.08X	K0390.081X	M8	35/40/45/50/60	6	5,4	7,5	3	3
K0390.10X	K0390.101X	M10	50/55/60/65/80	8	7,2	9	4,5	3,6
K0390.12X	K0390.121X	M12	60/65/70/80/100	8	7,2	10	4,5	4,5
K0390.14X	K0390.141X	M14	60/80/100	10	9	12	5	5
K0390.16X	K0390.161X	M16	65/70/80/100/125	12	11	12	5	5,3
K0390.20X	K0390.201X	M20	80/90/100/125/150	15,5	14,4	14	5,5	5,6

Grub Screws

with ball thrust point

METRIC
Parts



Material:

Quality class 5.8.

Type:

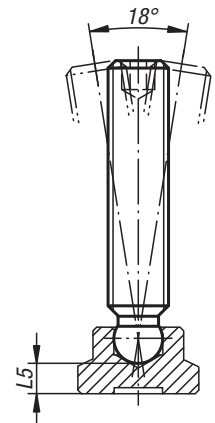
Black oxide finish.

Part Number Example:

K0391.06X50
(include length L1)

Note:

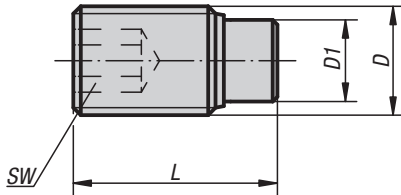
The Grub Screws are used in conjunction with a Thrust Pad K0393.



KIPP Grub Screws with ball thrust point, metric

Item No.	D1	L1	D2	D3	L2	L3	L4	L5	SW
K0391.06X	M6	30/35/40/50	4,5	3,5	4,3	3,7	5,5	3,8	3
K0391.08X	M8	35/40/45/50/60	6	4,8	5,8	4,8	7,4	4,4	4
K0391.10X	M10	50/55/60/65/80	8	6,5	7,2	6,3	9	5	5
K0391.12X	M12	60/65/70/80	8	6,5	7,2	6,3	9,8	6,9	6

Thrust Screws stainless steel

**Material:**

Screw stainless steel.
Bolts brass or POM.

Type:

Screw natural finish.

Part Number Example:

K0667.041X105 (include length L)

Note:

Thrust Screws are ideal for clamping or exerting pressure on threaded spindles, axles, shafts and treated surfaces without marring. Longer versions are specially designed to be glued in. They allow small to medium series of mechanical external thread fastening elements to be made cost-effectively.

KIPP Thrust Screws, stainless steel, metric

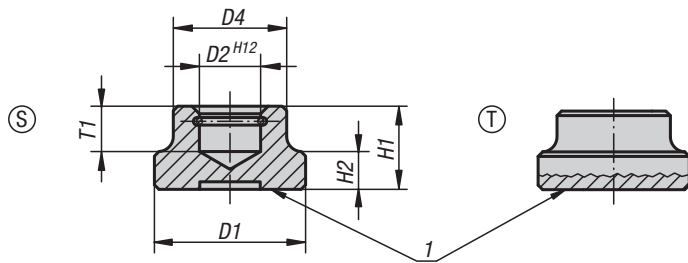
Item No.	Component material	D	D1	L	SW
K0667.041X	brass	M4	2,5	6,5/10,5/16,5/30,5/40,5	2
K0667.051X	brass	M5	3	8,5/12,5/20,5/30,5/40,5	2,5
K0667.061X	brass	M6	4	11,5/13,5/17,5/21,5/26,5/41,5/51,5/61,5	3
K0667.081X	brass	M8	5,5	12/22/32/52/62/82	4
K0667.101X	brass	M10	7	14/18/27/37	5
K0667.121X	brass	M12	8,5	22,5/32,5/42,5	6

Item No.	Component material	D	D1	L	SW
K0667.1041X	Polyacetal	M4	2	7/9/11/13/17/31/41	2
K0667.1051X	Polyacetal	M5	3	9/11/13/17/21/31/41	2,5
K0667.1061X	Polyacetal	M6	3,5	11,3/13,3/17,3/21,3/26,3/41,3/51,3/61,3	3
K0667.1081X	Polyacetal	M8	5	13,6/17,6/21,6/26,6/33,6/51,6/61,6/81,6	4
K0667.1101X	Polyacetal	M10	6,5	17,9/21,9/26,9/36,9	5
K0667.1121X	Polyacetal	M12	8	22,1/32,1/42,1	6

Thrust Pads

DIN 6311 extended

METRIC
Parts



Material:

Steel case-hardened, snap ring in spring steel

Type:

Black oxide finish.

Part Number Example:

K0392.12

Note:

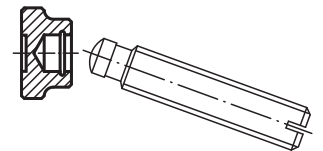
When fitting the Thrust Pad, ensure that it is inclined as far as possible in the direction of the snap ring opening. The snap ring is supplied assembled.

Drawing reference:

Style S: thrust pad with snap ring

Style T: low design, large clamping surface with snap ring

1) Pressure surface

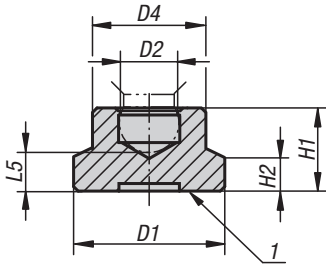


KIPP Thrust Pads DIN 6311 extended, metric

Item No.	Style	D1	D2	D4	H1	H2	T1	For grub screws with trust point DIN 6332
K0392.06	S	12	4,6	10	7	2,5	4	M6
K0392.08	S	16	6,1	12	9	4	5	M8
K0392.10	S	20	8,1	15	11	5	6	M10
K0392.12	S	25	8,1	18	13	7	7	M12
K0392.16	S	32	12,1	22	15	7	7,5	M16
K0392.20	S	40	15,6	28	16	9	8	M20
K0392.108	T	25	6,1	12	8	4	4,5	M8
K0392.110	T	32	8,1	18	10	6	6	M10 / M12
K0392.116	T	40	12,1	22	12	7	7	M16

Thrust Pads

METRIC
Parts



Material:
Steel.
PA 6 plastic.

Type:
Black oxide finish.
Black plastic.

Part Number Example:
K0393.08

Drawing reference:
1) thrust face



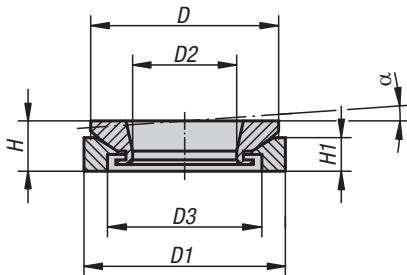
KIPP Thrust Pads, metric

Item No.	Style	Base material	D1	D2	D4	H1	H2	L5	Suitable for Grub Screws
K0393.06	A	Steel	15	4,4	8,6	7,6	2,5	3,8	M6
K0393.08	A	Steel	18	5,9	12	9	3,5	4,4	M8
K0393.10	A	Steel	21	7,9	15	11	4	5	M10
K0393.12	A	Steel	25	7,9	18	13	5	6,9	M12
K0393.206	A	Polyamide	15	4,4	8,6	7,6	2,5	3,8	M6
K0393.208	B	Polyamide	18	5,9	12	9	3,5	4,4	M8
K0393.210	C	Polyamide	21	7,9	15	11	4	5	M10
K0393.212	C	Polyamide	25	7,9	18	13	5	6,9	M12

Ball head position adjusters



METRIC
Parts



Material:

Steel 1.7225.
Stainless steel 1.4305.

Type:

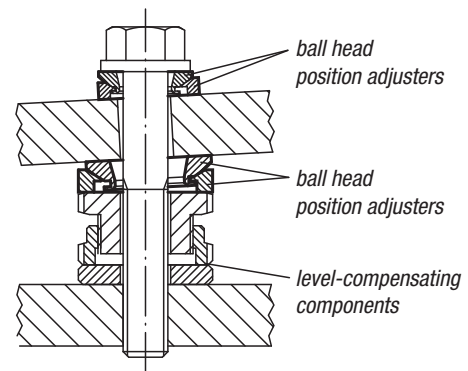
Steel blue chromate.
Stainless steel natural finish.

Part Number Example:

K0691.151

Note:

The Ball head position adjuster allows exact positioning when assembling sloping bases up to approx. 4° angle of inclination. A further Ball head position adjuster is recommended as a base in sloped positions of $D3 > 1^\circ$ for evenly positioning the bolts. Top and bottom can not fall apart as they are secured.

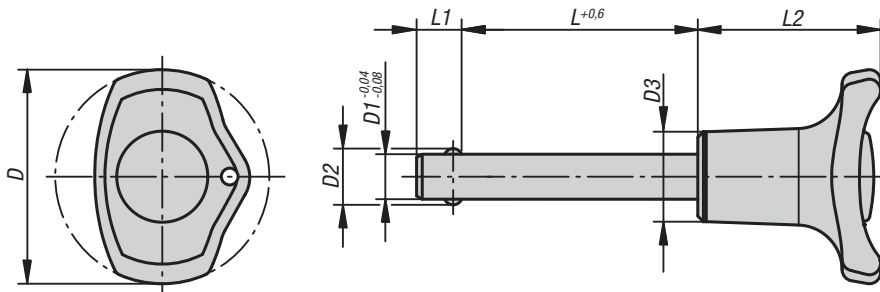


KIPP Ball head position adjusters, metric

Item No. Steel	Item No. Stainless steel	H	H1	D	D1	D2	D3	α
K0691.151	K0691.152	8	5,5	23	25	8,5	15	4°
K0691.201	K0691.202	10	6,2	30	32	13	20	4°
K0691.301	K0691.302	12,5	9	40	45	20	30	4°
K0691.401	K0691.402	16	13	52	58	29	38	4°
K0691.501	K0691.502	20	14	65	70	36	48	4°

Ball Lock Pins

self locking



Material:
Grip and push button thermoplastic.
Steel parts stainless steel.

Type:
Grip, black.
Push button, red
Steel parts, natural finish.

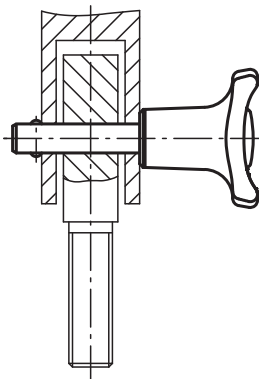
Part Number Example:
K0363.3806050
(include length L e.g. 050 for L = 50 mm)

Note:
Ball Lock Pins allow instant bolting of two workpieces. Two spring pressure balls automatically lock the pin in place. Pressing the push button will release the ball and efficiently unlock the pin.

Shearing force double-edged (F) = S · τ · aB max.

Accessories:
Safety Spiral Cable K0367.10200 Retaining Cable with eye K0367. Pin Retaining Ring K0367.15/19/23 Bushing for ball lock pins K0724....

Part Number Example (inch):
Ball Lock Pin K0363.38CLL08
(include length L, e.g. L08 for L = 0,5)
0,5 = L08
0,75 = L12
1,0 = L16
1,25 = L20
1,5 = L24
1,75 = L28
2,0 = L32
2,5 = L36
3,0 = L40



KIPP Ball Lock Pins, self-locking, inch

Item No.	D	D1	D2	D3	L	L1	L2	Receiving hole H11	Shear force kN
K0363.38CL***	38	3/16	5,25	16	0,5/0,75/1,0/1,25	6	32,5	3/16	13
K0363.38CM***	38	1/4	7,2	16	0,5/0,75/1,0/1,25/1,5/1,75/2,0	6,9	32,5	1/4	24
K0363.38CN***	38	5/16	9,5	16	1,0/1,25/1,5/1,75/2,0	7,9	32,5	5/16	38
K0363.47C0***	47	3/8	11,5	23	1,0/1,25/1,5/1,75/2,0	8,8	40	3/8	54
K0363.47CU***	47	7/16	13	23	1,0/1,25/1,5/1,75/2,0/2,5/3,0	9,7	40	7/16	74
K0363.47CP***	47	1/2	15	23	1,0/1,25/1,5/1,75/2,0/2,5/3,0	10	40	1/2	96
K0363.47CQ***	47	5/8	19	23	1,0/1,25/1,5/1,75/2,0/2,5/3,0	13,3	40	5/8	150

KIPP Ball Lock Pins, self-locking, metric

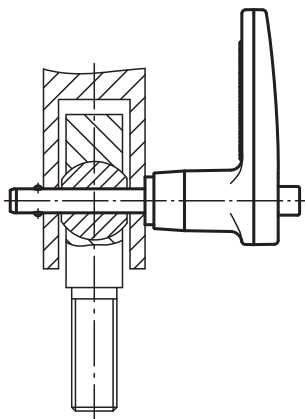
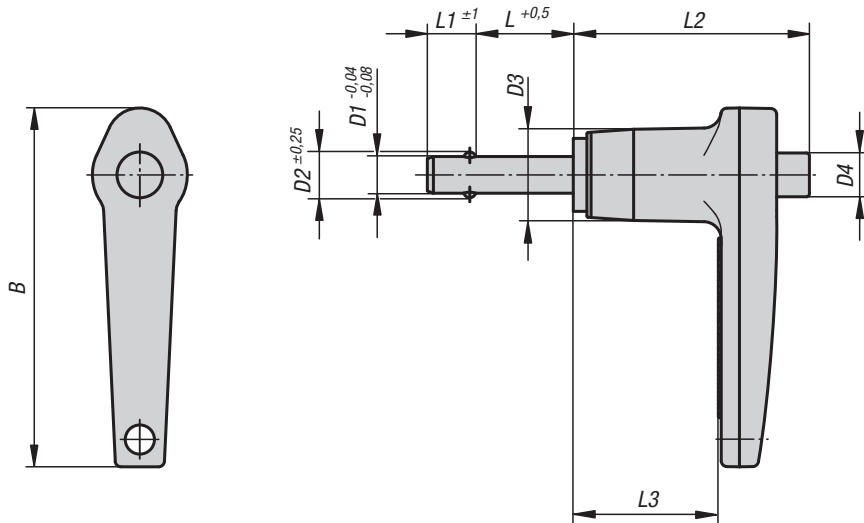
Item No.	D	D1	D2	D3	L	L1	L2	Receiving hole H11	Shearing force double shear max. kN
K0363.3805***	38	5	5,5	16	10/15/20/25/30	6	32,5	5	15
K0363.3806***	38	6	6,85	16	10/15/20/25/30/35/40/45/50	7	32,5	6	22
K0363.3808***	38	8	9,5	16	20/25/30/35/40/45/50	8	32,5	8	38
K0363.4710***	47	10	12	23	20/25/30/35/40/45/50/60	9	40	10	60
K0363.4712***	47	12	14,5	23	25/30/35/40/45/50/60/70/80	10	40	12	86
K0363.4716***	47	16	19	23	30/35/40/45/50/60/70/80	13	40	16	153

Ball Lock Pins

with L-grip, self-locking

METRIC
Parts

New Item



Material:

Pin stainless steel 1.4542.
Grip die-cast aluminum EN-AC 46000.
Push button aluminum EN-AW 2024 T4.
Balls stainless steel 1.4125.
Compression spring stainless steel.

Type:

All stainless steel parts passivated.
Pin hardened to min. 40 HRC.
Grip black anodized.
Push button blue anodized.
Balls hardened to 58 +4 HRC.

Part Number Example:

K0642.14405030
(include length L e.g. 030 for L = 30 mm)

Note:

Ball Lock Pins are used for quick and easy fastening and joining of parts and workpieces. The two balls are disengaged by pressing the push button and the pin can be slipped into holes in the workpieces. Release the button to lock the balls and secure the connection. The ball lock pins can be provided with a retaining cable if required.

The hardened, high-tensile stainless steel pin permits extreme loads with low wear.

Shearing force double shear (F) = S · τ · aB max.

Accessories:

Safety Spiral Cable K0367.10200
Retaining Cable with eye K0367.
Pin Retaining Ring K0367.15/19/23
Bushing for ball lock pins K0724....

KIPP Ball lock pins with L-grip, self-locking, metric

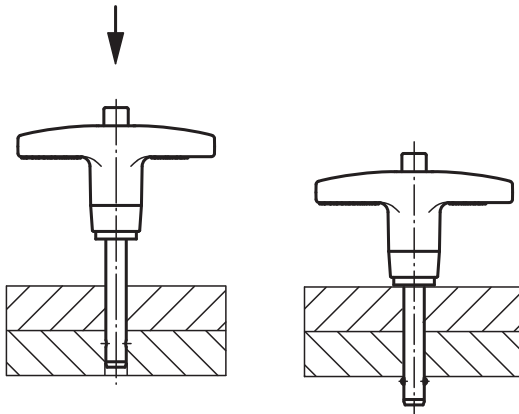
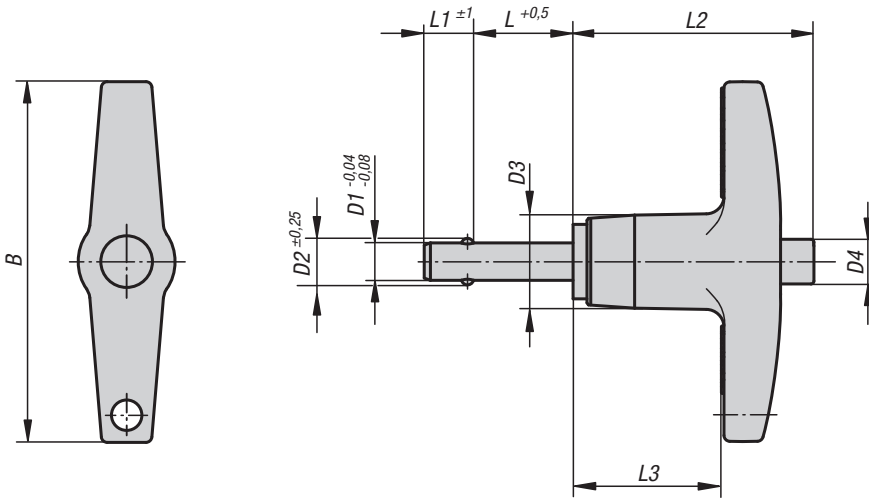
Item No.	B	D1	D2	D3	D4	L	L1	L2	L3	Receiving hole H11	Shearing force double shear max. kN
K0642.14405***	46,7	5	5,54	11,9	5,8	10/15/20/25/30/35/40/50/60/70	6	30,7	19,3	5	24,4
K0642.14406***	46,7	6	6,99	11,9	5,8	10/15/20/25/30/35/40/50/60/70/80	7	30,7	19,3	6	35,64
K0642.14408***	46,7	8	9,42	11,9	5,8	10/15/20/25/30/35/40/50/60/70/80	8	30,7	19,3	8	63,8
K0642.15110***	54,1	10	11,86	14,2	7,4	15/20/25/30/35/40/50/60/70/80/90/100	9	34,8	22,1	10	100,1
K0642.15712***	60,2	12	14,45	18,3	10,7	20/25/30/35/40/50/60/70/80/90/100	10	40,6	25,4	12	144,06
K0642.16816***	68,3	16	19	23,9	13,7	25/30/35/40/50/60/70/80/90/100	14	45	28,2	16	257,18

Ball Lock Pins

with T-grip, self-locking

METRIC
Parts

New Item



Material:

Pin stainless steel 1.4542.
Grip die-cast aluminum EN-AC 46000.
Push button aluminum EN-AW 2024 T4.
Balls stainless steel 1.4125.
Compression spring stainless steel.

Type:

All stainless steel parts passivated.
Pin hardened to min. 40 HRC.
Grip black anodized.
Push button blue anodized.
Balls hardened to 58 +4 HRC.

Part Number Example:

K0366.24605030
(include length L e.g. 030 for L = 30 mm.)

Note:

Ball Lock Pins are used for quick and easy fastening and joining of parts and workpieces. The two balls are disengaged by pressing the push button and the pin can be slipped into holes in the workpieces. Release the button to lock the balls and secure the connection. The ball lock pins can be provided with a retaining cable if required.

The hardened, high-tensile stainless steel pin permits extreme loads with low wear.

Shearing force double shear (F) = S · τ · aB max.

Accessories:

Safety Spiral Cable K0367.10200
Retaining Cable with eye K0367.
Pin Retaining Ring K0367.15/19/23
Bushing for ball lock pins K0724....

KIPP Ball Lock Pins with T-grip, self-locking

Item No.	B	D1	D2	D3	D4	L	L1	L2	L3	Receiving hole H11	Shearing force double shear max. kN
K0366.24605***	46	5	5,54	11,9	5,8	10/15/20/25/30/35/40/50/60/70	6	30,7	19,3	5	24,4
K0366.24606***	46	6	6,99	11,9	5,8	10/15/20/25/30/35/40/50/60/70/80	7	30,7	19,3	6	35,64
K0366.24608***	46	8	9,42	11,9	5,8	10/15/20/25/30/35/40/50/60/70/80	8	30,7	19,3	8	63,8
K0366.25110***	50,8	10	11,86	14,2	7,4	15/20/25/30/35/40/50/60/70/80/90/100	9	34,8	22,1	10	100,1
K0366.25812***	57,2	12	14,45	18,3	10,7	20/25/30/35/40/50/60/70/80/90/100	10	40,6	25,4	12	144,06
K0366.27816***	78	16	19	23,9	13,7	25/30/35/40/50/60/70/80/90/100	14	45	28,2	16	257,18

Ball Lock Pins

Button Head Style, self-locking, stainless steel



Material:
Steel parts stainless steel.

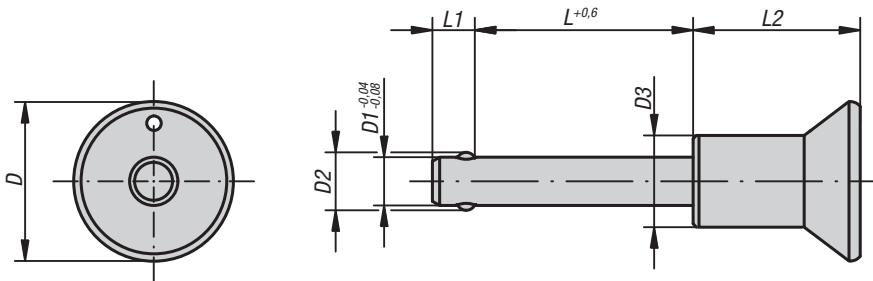
Type:
Natural finish.

Part Number Example:
K0364.3110030
(include length L e.g. 030 for L = 30 mm.)

Note:
Ball Lock Pins allow instant bolting of two workpieces. Two spring pressure balls automatically lock the pin in place. Pressing the push button will release the ball and efficiently unlock the pin. Corrosion resistant. Heat resistance up to: +250 °C/+483 °F.

Shearing force double shear (F) = S · τ aB max.

Accessories:
Safety Spiral Cable K0367.10200 Retaining Cable with eye K0367. Pin Retaining Ring K0367.15/19/23 Bushing for ball lock pins K0724....



Part Number Example (inch):

Ball Lock Pin K0364.23CLL08
(include length L,
e.g. L08 for L = 0,5)
0,5 = L08
0,75 = L12
1,0 = L16
1,25 = L20
1,5 = L24
1,75 = L28
2,0 = L32
2,5 = L36
3,0 = L40

KIPP Ball Lock Pins, button head style, self-locking, stainless steel, inch

Item No.	D	D1	D2	D3	L	L1	L2	Receiving hole H11	Shearing force double shear max. kN
K0364.23CL***	25	3/16	5,25	14	0,5/0,75/1,0/1,25	6	26,5	3/16	13
K0364.23CM***	25	1/4	7,2	14	0,5/0,75/1,0/1,25/1,5/1,75/2,0	6,9	26,5	1/4	24
K0364.23CN***	25	5/16	9,5	14	1,0/1,25/1,5/1,75/2,0	7,9	26,5	5/16	38
K0364.31C0***	33	3/8	11,5	19	1,0/1,25/1,5/1,75/2,0	8,8	34,6	3/8	54
K0364.31CU***	33	7/16	13	19	1,0/1,25/1,5/1,75/2,0/2,5/3,0	9,7	34,6	7/16	74
K0364.31CP***	33	1/2	15	19	1,0/1,25/1,5/1,75/2,0/2,5/3,0	10	34,6	1/2	96
K0364.31CQ***	33	5/8	19	20	1,0/1,25/1,5/1,75/2,0/2,5/3,0	13,3	34,6	5/8	150

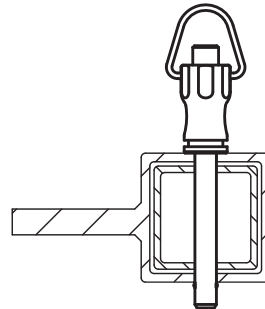
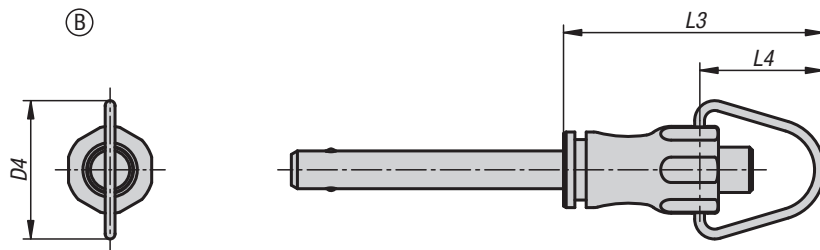
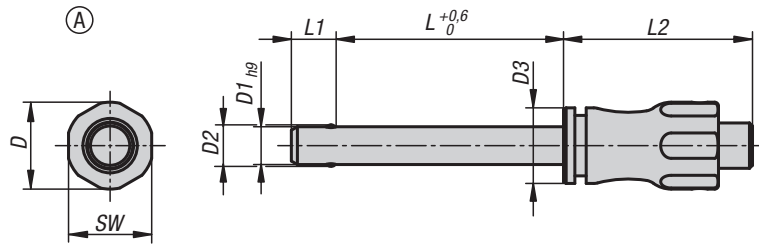
KIPP Ball Lock Pins, button head style, self-locking, stainless steel, metric

Item No.	D	D1	D2	D3	L	L1	L2	Receiving hole H11	Shearing force double shear max. kN
K0364.2305***	25	5	5,5	14	10/15/20/25/30	6	26,5	5	15
K0364.2306***	25	6	6,85	14	10/15/20/25/30/35/40/45/50	7	26,5	6	22
K0364.2308***	25	8	9,5	14	20/25/30/35/40/45/50	8	26,5	8	38
K0364.3110***	33	10	12	19	20/25/30/35/40/45/50/60	9	34,6	10	60
K0364.3112***	33	12	14,5	19	25/30/35/40/45/50/60/70/80	10	34,6	12	86
K0364.3116***	33	16	19	20	30/35/40/45/50/60/70/80	13,3	34,6	16	153

Ball Lock Pins

stainless steel, self-locking

New Item



Material:

Grip and push button stainless steel 1.4305.
Pin stainless steel 1.4305.
Balls stainless steel 1.4125.
Compression spring and handle stainless steel 1.4310.

Type:

Natural finish.

Part Number Example:

K0790.001508050
(include length L e.g. 050 for L = 50 mm)

Note:

Ball Lock Pins allow instant bolting of two workpieces. Two spring pressure balls automatically lock the pin in place. Pressing the push button will release the ball and efficiently unlock the pin.

Shearing force double-edged (F) = S · τ aB max.

Accessories:

Safety Spiral Cable K0367.10200
Retaining Cable with eye K0367.
Pin Retaining Ring K0367.15/19/23
Bushing for ball lock pins K0724....

KIPP Ball Lock Pins stainless steel self-locking, Style A, metric

Item No.	Style	D	D1	D2	D3	L	L1	L2	SW	Receiving hole H11	Shearing force double shear max. kN
K0790.001205***	A	11,5	5	5,5	10	10/15/20/25/30	5,9	25	11	5	15
K0790.001206***	A	11,5	6	6,85	10	10/15/20/25/30/35/40/45/50	6,8	25	11	6	22
K0790.001508***	A	15,5	8	9,5	13,5	20/25/30/35/40/45/50	7,8	33	15	8	38
K0790.001510***	A	15,5	10	12	13,5	20/25/30/35/40/45/50/60	8,9	33	15	10	60
K0790.002112***	A	22	12	14,5	20	25/30/35/40/45/50/60/70/80	9,9	39,5	21	12	86
K0790.002116***	A	22	16	19	20	30/35/40/45/50/60/70/80	13,1	39,5	21	16	153

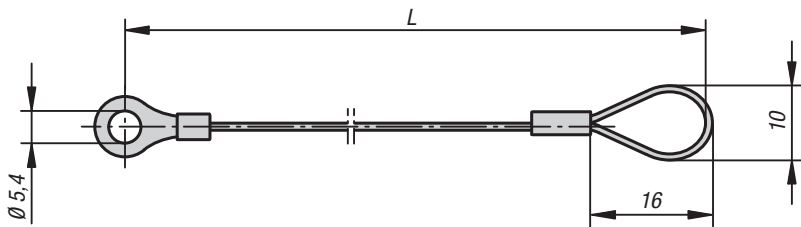
KIPP Ball Lock Pins stainless steel self-locking, Style B, metric

Item No.	Style	D	D1	D2	D3	D4	L	L1	L2	L3	L4	SW	Receiving hole H11	Shearing force double shear max. kN
K0790.101205***	B	11,5	5	5,5	10	18,3	10/15/20/25/30	5,9	25	34,6	16,6	11	5	15
K0790.101206***	B	11,5	6	6,85	10	18,3	10/15/20/25/30/35/40/45/50	6,8	25	34,6	16,6	11	6	22
K0790.101508***	B	15,5	8	9,5	13,5	24	20/25/30/35/40/45/50	7,8	33	46,7	22,7	15	8	38
K0790.101510***	B	15,5	10	12	13,5	24	20/25/30/35/40/45/50/60	8,9	33	46,7	22,7	15	10	60
K0790.102112***	B	22	12	14,5	20	33	25/30/35/40/45/50/60/70/80	9,9	39,5	59,3	30,3	21	12	86
K0790.102116***	B	22	16	19	20	33	30/35/40/45/50/60/70/80	13,1	39,5	59,3	30,3	21	16	153

Pin Retaining Cables

with eye

METRIC
Parts



Material:

Retaining cable in stainless steel.
Clip and eye in aluminum.

Type:

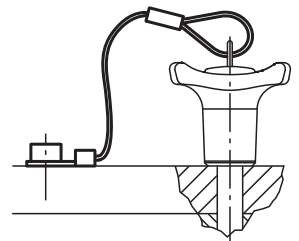
Cable plastic coated.

Part Number Example:

K0367.0150

Note:

With the Retaining Cable and Pin Ring (K0367) the Ball Lock Pins (K0363, K0364, K0366, K0642 and K0790) can be secured so that they cannot be lost. A screw M5 is used to secure the retaining cable. Application temperature: +80 °C.

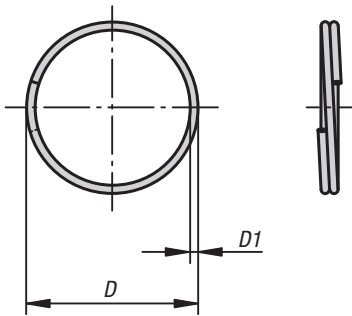


KIPP Pin Retaining Cables with eye, metric

Item No.	L
K0367.0150	150
K0367.0200	200
K0367.0300	300

Pin Retaining Rings

stainless steel



Material:

Stainless steel 1.4310.

Type:

Natural finish.

Part Number Example:

K0367.15

Note:

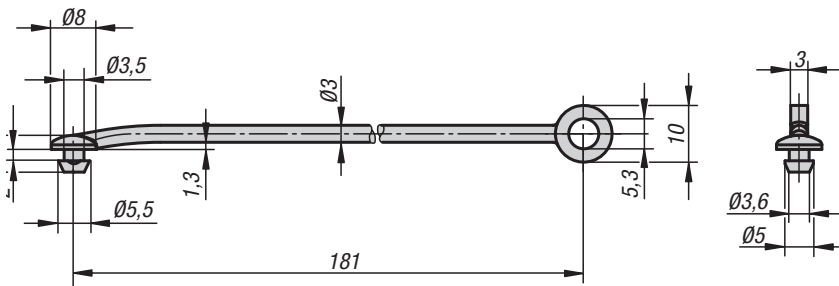
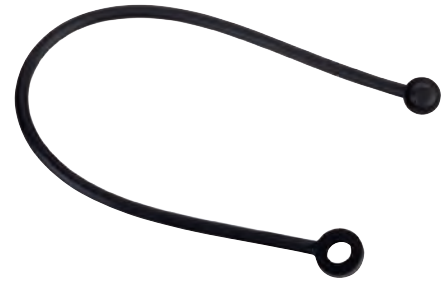
Suitable for Pin Retaining Cables (K0367),
Ball Lock Pins (K0363, K0364, K0366, K0642, K0790)
Indexing Plungers (K0342).

KIPP Pin Retaining Rings, metric

Item No.	D	D1
K0367.15	15	1
K0367.19	19	1
K0367.23	23	1,2
K0367.28	28	1,7

K0743

Safety Lanyard

*New Item*METRIC
Parts**Material:**

Thermoplastic urethane TPU.

Part Number Example:

K0743.04190

Note:

The safety lanyard is distinguished by its high elasticity and good rebound resilience. Depending on the wall thickness, it can be used to secure almost every operating part, fastening element or other objects.

It was especially conceived for the star grips K0154 and K0155.

Refitting of existing star grips K0154, K0155 as well as knurled knobs K0260/K0261 and knurled knobs K0247 from our assortment is possible with this safety lanyard.

Assembly:

Recommended hole $\varnothing 3.8_{-0.1}$. The hole edge should be deburred. A Teflon based lubrication is recommended to aid assembly.

KIPP Safety lanyard

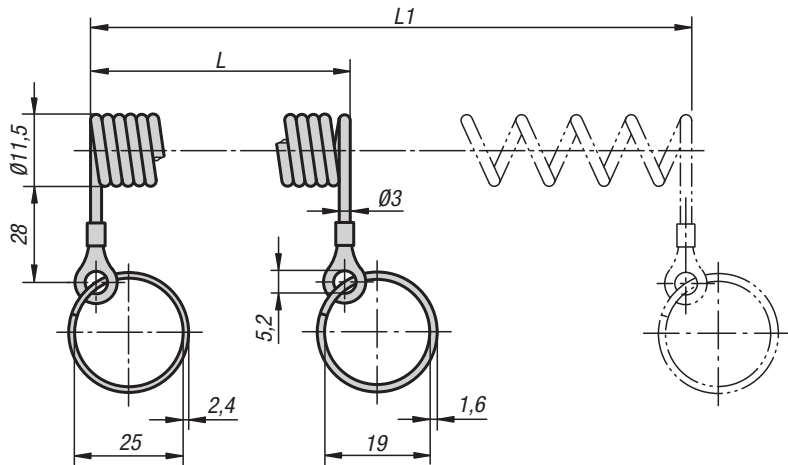
Item No.	Dimensions
K0743.04190	see drawing

Safety spiral cables

New Item



METRIC
Parts



Material:

Spiral cable PUR.
Eye copper or stainless steel.
Key ring steel or stainless steel.

Type:

Spiral cable black.
Eye, brass galvanized - stainless steel bright.
Key ring, steel chromate - stainless steel bright.

Part Number Example:

K0367.10200

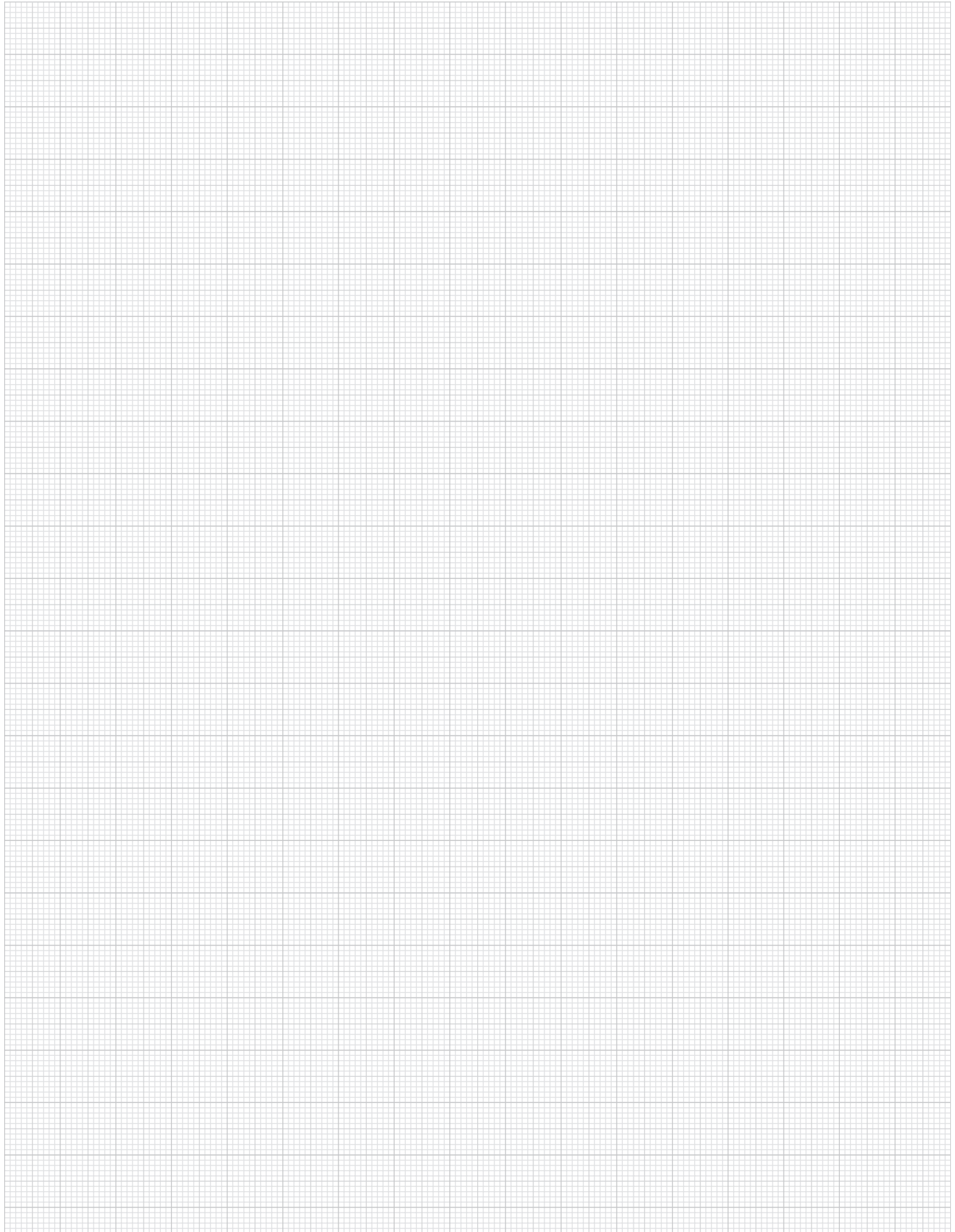
Note:

Elastic spiral cable to secure equipment parts. Very good reset force, robust and wear-resistant.

KIPP Safety spiral cables

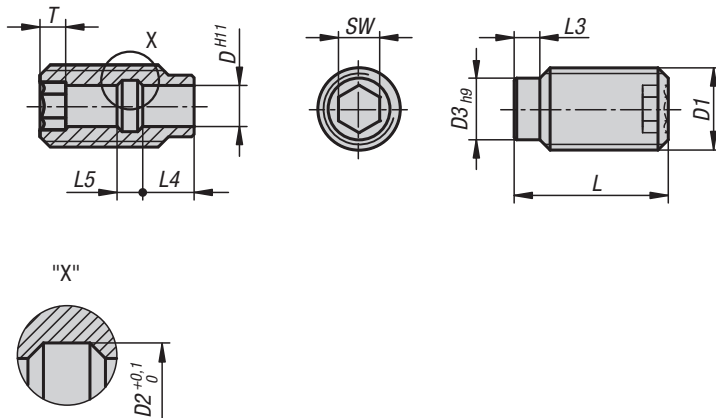
Item No.	Component material	L	L1
K0367.10100	Steel	100	500
K0367.10200	Steel	200	1000
K0367.20100	Stainless steel	100	500
K0367.20200	Stainless steel	200	1000

Notes:



Bushing for ball lock pins

New Item



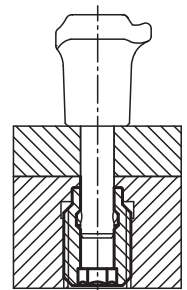
Material:
Stainless steel 1.4305.

Type:
Steel parts natural finish.

Part Number Example:
K0724.11224

Note:
Ball lock pin bushings are ideal for the easy and quick positioning of ball lock pins.

- Benefits:**
- The bushing is centered by the centering collar.
 - easy and reliable positioning.
 - can be screwed into various materials.
 - usable from both ends.



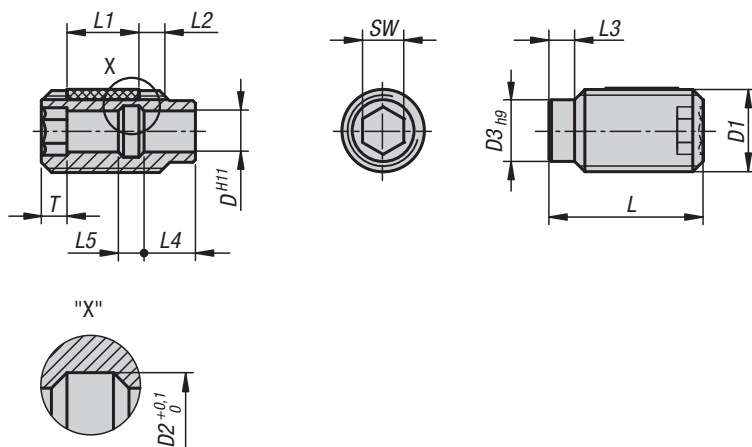
KIPP Bushings for ball lock pins, metric

Item No.	D	D1	D2	D3	L	L3	L4	L5	SW	T
K0724.10512	5	M12	6	9	25	4	7	3	5	4
K0724.10616	6	M16	7,5	12	30	5	10	5	6	5
K0724.10816	8	M16	10	12	30	5	10	5	8	5
K0724.11024	10	M24	13	18	35	6	8	7	10	6
K0724.11224	12	M24	15	18	35	6	8	7	12	6
K0724.11630	16	M30	20	24	40	8	11	9	16	7

Bushing for ball lock pins

with LONG-LOK thread lock

New Item



Material:

Stainless steel 1.4305

LONG-LOK thread system in nylon

Type:

Steel parts natural finish.

Part Number Example:

K0724.112241

Note:

Ball lock pin bushings are ideal for the easy and quick positioning of ball lock pins.

Benefits:

- the bushing is centered by the centering collar.
- easy and reliable positioning.
- can be screwed into various materials.
- usable from both ends
- the LONG-LOK thread lock allows the depth to be matched exactly to existing components, no locknut is required.

Drawing reference:

L2 = approx. 2x thread pitch



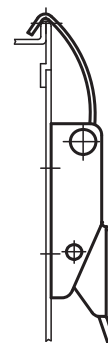
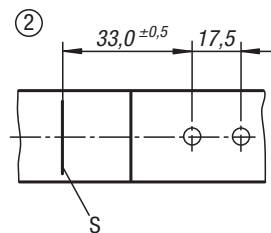
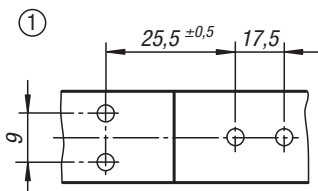
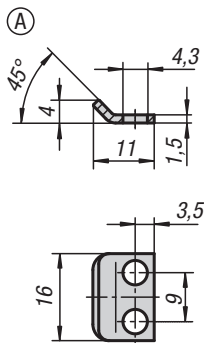
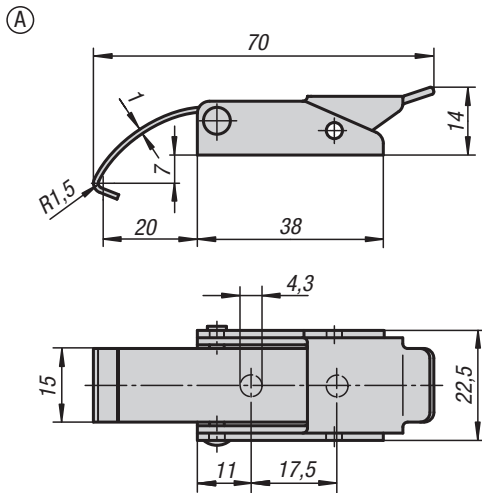
KIPP Bushings for ball locking pins, with LONG-LOK thread lock, metric

Item No.	D	D1	D2	D3	L	L1	L3	L4	L5	SW	T
K0724.105121	5	M12	6	9	25	10	4	7	3	5	4
K0724.106161	6	M16	7,5	12	30	14	5	10	5	6	5
K0724.108161	8	M16	10	12	30	14	5	10	5	8	5
K0724.110241	10	M24	13	18	35	14	6	8	7	10	6
K0724.112241	12	M24	15	18	35	14	6	8	7	12	6
K0724.116301	16	M30	20	24	40	14	8	11	9	16	7

Latches

with spring clip

METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0043.1430701
Catch plate K0043.9143111

Note:
Latches with spring clips for safe holding and locking of hatches, container lids, machine cladding etc. By exceeding the dead center they resist vibration. The locking force is applied by tensioning a spring clip.

The latches can be screwed down or riveted.

Order catch plates separately.

The retaining force F1 applies to the latch, not the catch plate.

Drawing reference:
1) Hole arrangement for mounting with catch plate
2) Hole arrangement for mounting without catch plate

KIPP Latches with spring clip, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0043.1430701	K0043.1430702	A	500

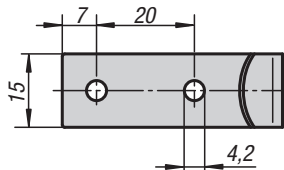
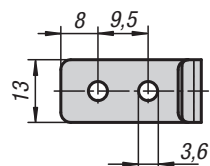
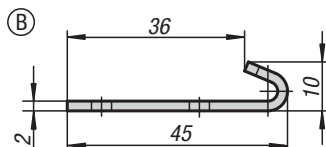
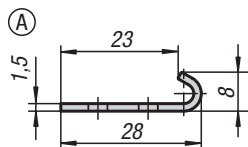
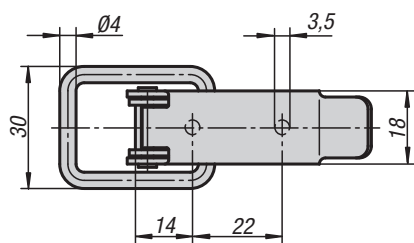
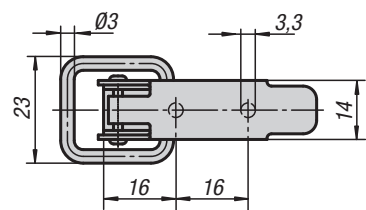
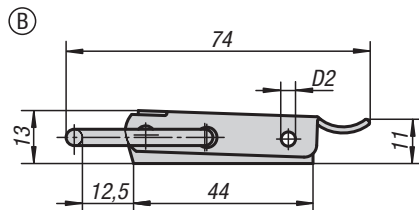
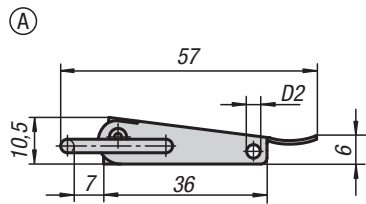
KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style
K0043.9143111	K0043.9143112	A

Latches

with draw bail

METRIC
Parts



Material:

Steel or stainless steel 1.4301.

Type:

Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:

Latch K0044.1330571

Catch plate K0044.9136281

Note:

Latches with draw bail for safe holding and locking of hatches, container lids, machine cladding etc. By exceeding the dead center they resist vibration.

The locking force is applied by drawing on the bail.

The hole D2 can be used to secure against unintentional opening or attaching an official lead seal.

The latches can be screwed down or riveted.

Order catch plates separately.

The retaining force F1 applies to the latch, not the catch plate.

KIPP Latches with draw bail, metric

Item No. Steel	Item No. Stainless steel	Style	D2	Retaining force F1 N
K0044.1330571	K0044.1330572	A	2,8	1000
K0044.2350741	K0044.2350742	B	3,2	2000

KIPP Catch plate, metric

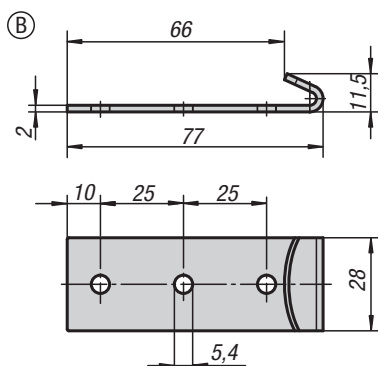
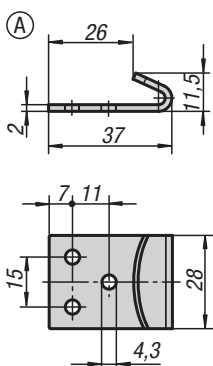
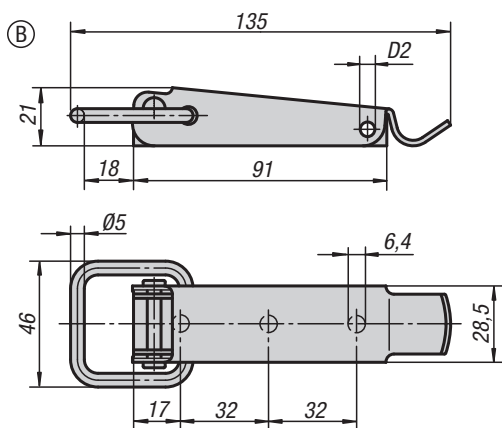
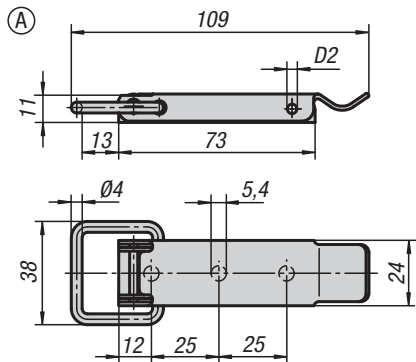
Item No. Steel	Item No. Stainless steel	Style
K0044.9136281	K0044.9136282	A
K0044.9242451	K0044.9242452	B

Latches

with draw bail



METRIC
Parts



Material:

Steel or stainless steel 1.4301.

Type:

Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:

Latch K0045.1541091
Catch plate K0045.9143371

Note:

Latches with draw bail for safe holding and locking of hatches, container lids, machine cladding etc. By exceeding the dead center they resist vibration.
The locking force is applied by drawing on the bail.

The hole D2 can be used to secure against unintentional opening or attaching an official lead seal.

The latches can be screwed down or riveted.

Order catch plates separately. The retaining force F1 applies to the latch, not the catch plate.

On request:

Lockable version with padlock bracket.

KIPP Latches with draw bail, metric

Item No. Steel	Item No. Stainless steel	Style	D2	Retaining force F1 N
K0045.1541091	K0045.1541092	A	3,2	2000
K0045.2641351	K0045.2641352	B	3,8	3000

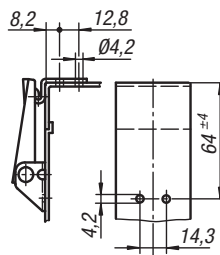
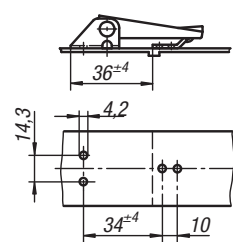
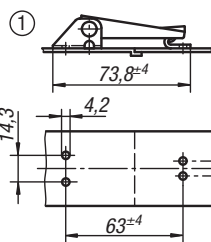
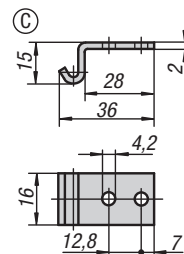
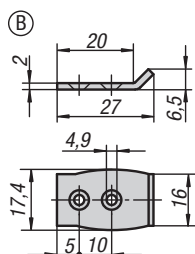
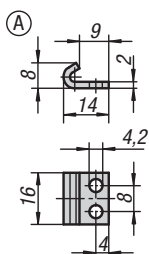
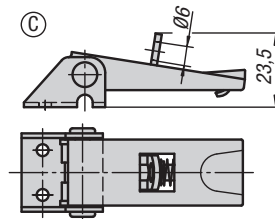
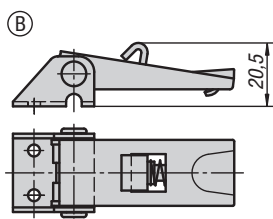
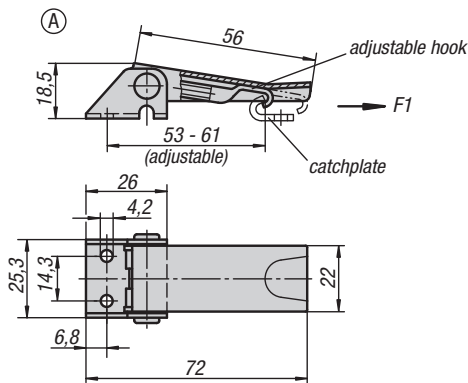
KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style
K0045.9143371	K0045.9143372	A
K0045.9254771	K0045.9254772	B

Adjustable Latches

screw-on holes visible

METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0046.1420721
Catch plate K0046.9142141

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration.

After the hook is engaged with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 5 mm.
To compensate for tolerances or to create enough tension, the hook length can be adjusted using the M5 threaded spindle.

The latches can be screwed down or riveted.

Any catch plate can be combined with any latch.

Order required catch plate version separately.

The retaining force F1 applies to the latch, not the catch plate.

Drawing reference:
Style A: standard
Style B: with safety catch
Style C: for padlock

KIPP Adjustable Latches screw-on holes visible, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0046.1420721	K0046.1420722	A	1000
K0046.2420721	K0046.2420722	B	1000
K0046.3420721	K0046.3420722	C	1000

KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style
K0046.9142141	K0046.9142142	A
K0046.9242271	K0046.9242272	B
K0046.9342381	K0046.9342382	C

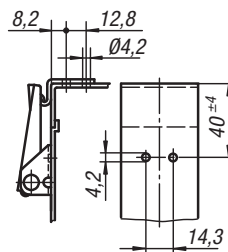
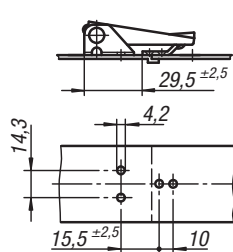
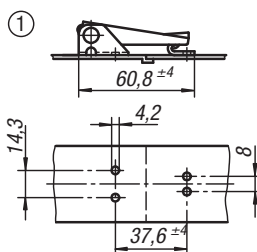
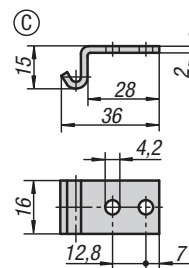
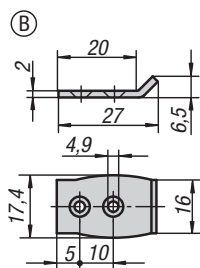
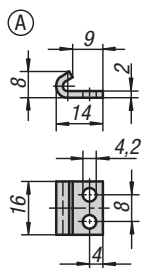
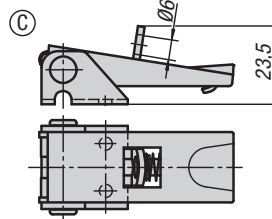
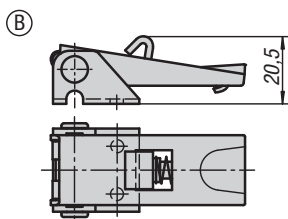
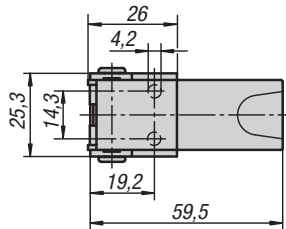
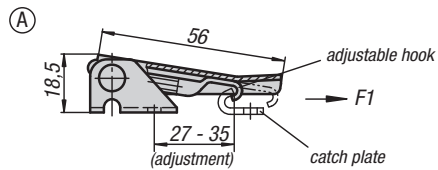
1) Hole arrangements for assembly with catch plate

Adjustable Latches

screw-on holes covered



METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0047.1420601
Catch plate K0046.9142141

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration.

After the hook is engaged with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 5 mm.
To compensate for tolerances or to create enough tension, the hook length can be adjusted using the M5 threaded spindle.

The latches can be screwed down riveted.

Any catch plate can be combined with any latch.

Order required catch plate version separately.

The retaining force F1 applies to the latch, not the catch plate.

Drawing reference:
Style A: standard
Style B: with safety catch
Style C: for padlock

KIPP Adjustable Latches screw-on holes covered, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0047.1420601	K0047.1420602	A	1000
K0047.2420601	K0047.2420602	B	1000
K0047.3420601	K0047.3420602	C	1000

KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style
K0046.9142141	K0046.9142142	A
K0046.9242271	K0046.9242272	B
K0046.9342381	K0046.9342382	C

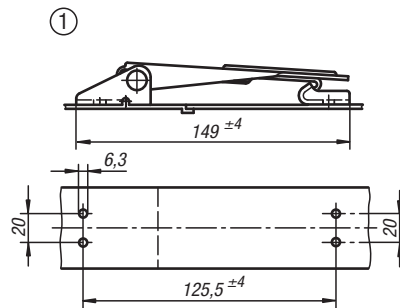
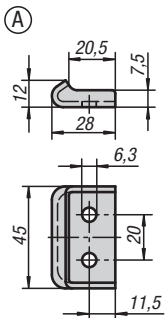
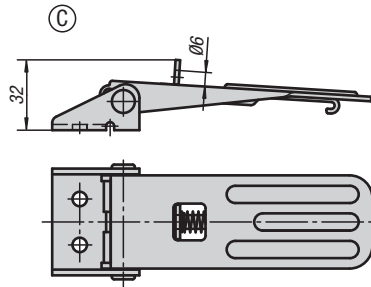
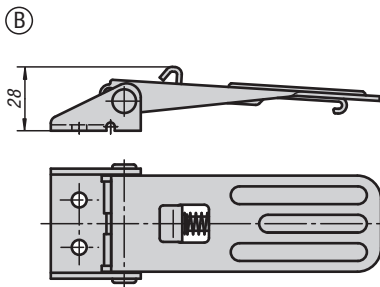
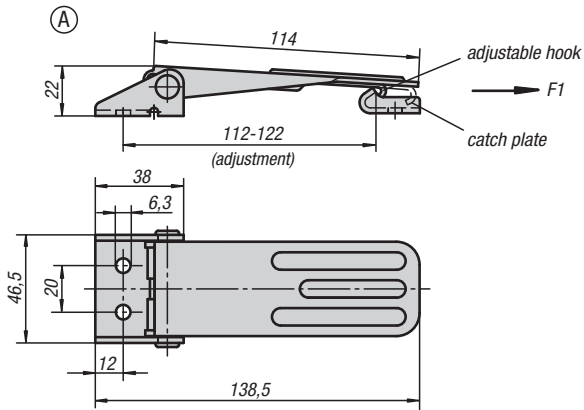
1) Hole arrangements for assembly with catch plate

Adjustable Latches

screw-on holes visible



METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0048.1631391
Catch plate K0048.9163281

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration. These latches are very robust and have a low overall height.

After the hook is engaged with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 6 mm. To compensate for tolerances or to create enough tension, the hook length can be adjusted using the M6 threaded spindle.

The latches can be screwed down or riveted.

Order required catch plate separately.

The retaining force F1 applies to the latch, not the catch plate.

Drawing reference:
Style A: standard
Style B: with safety catch
Style C: for padlock

1) Hole arrangements for assembly with catch plate

KIPP Adjustable Latches screw-on holes visible, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0048.1631391	K0048.1631392	A	4000
K0048.2631391	K0048.2631392	B	4000
K0048.3631391	K0048.3631392	C	4000

KIPP Catch plate, metric

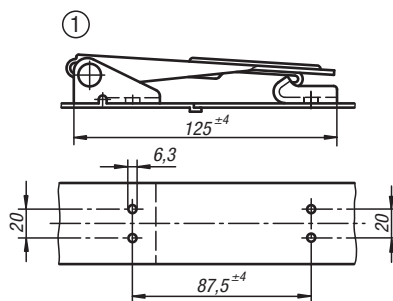
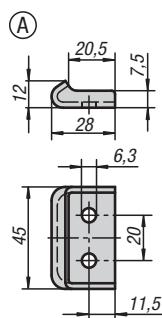
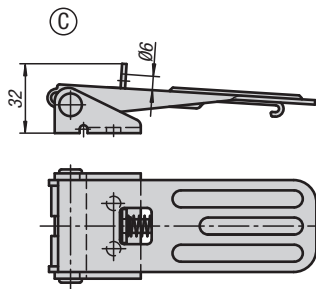
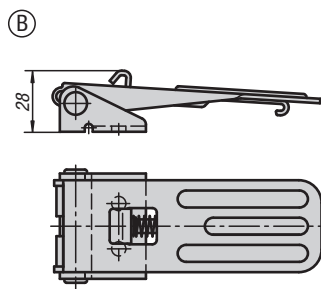
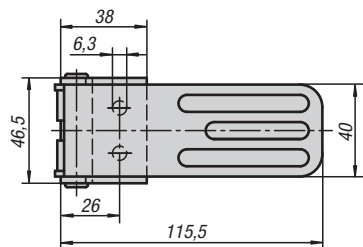
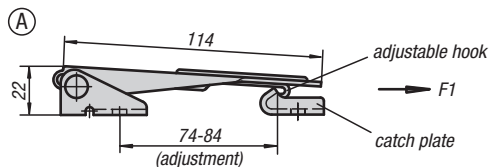
Item No. Steel	Item No. Stainless steel	Style
K0048.9163281	K0048.9163282	A

Adjustable Latches

screw-on holes covered



METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0049.1631161
Catch plate K0048.9163281

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration. These latches are very robust and have a low overall height.

After the hook is engaged with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 6 mm. To compensate for tolerances or to create enough tension, the hook length can be adjusted using the M6 threaded spindle.

The latches can be screwed down or riveted.

Order required catch plate separately.

The retaining force F1 applies to the latch, not the catch plate.

Drawing reference:
Style A: standard
Style B: with safety catch
Style C: for padlock

1) Hole arrangements for assembly with catch plate

KIPP Adjustable Latches screw-on holes covered, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0049.1631161	K0049.1631162	A	4000
K0049.2631161	K0049.2631162	B	4000
K0049.3631161	K0049.3631162	C	4000

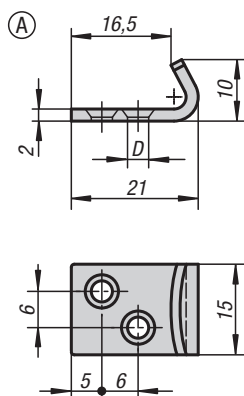
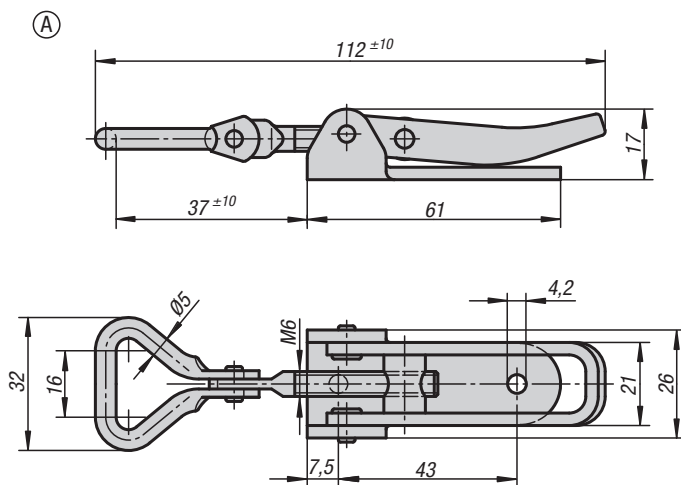
KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style
K0048.9163281	K0048.9163282	A

Adjustable Latches

with a movable hook clamp

METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0050.1421121
Catch plate K0050.9135211

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration. To compensate for tolerances the latch has a swing mounted bail.

After the bail is engaged with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 15 mm. To compensate for tolerances or to create enough tension the bail length can be adjusted by the M6 threaded spindle.

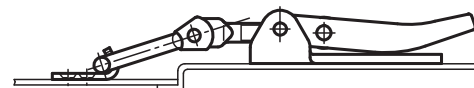
The latches can be screwed down or riveted. We recommend using countersunk screws for fastening the components.

Order catch plates separately.

The retaining force F1 applies to the latch, not the catch plate.

On request:
Available with safeguard against unintentional opening.

Applications:
We recommend using countersunk screws for fastening the components.



KIPP Adjustable Latches with a movable hook clamp, metric

Item No. Steel	Item No. Stainless steel	Style	Retaining force F1 N
K0050.1421121	K0050.1421122	A	1000

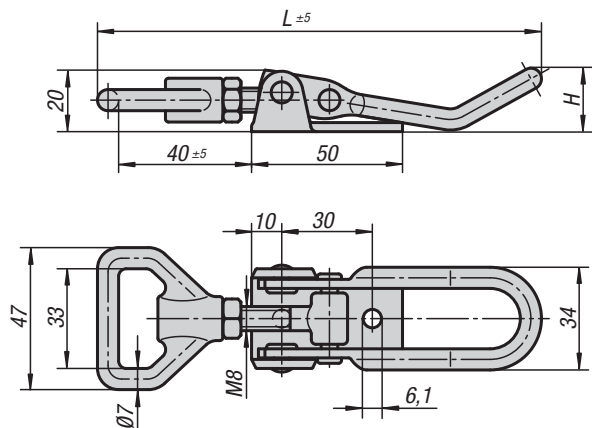
KIPP Catch plate, metric

Item No. Steel	Item No. Stainless steel	Style	D
K0050.9135211	K0050.9135212	A	3,7

Adjustable Latches



METRIC
Parts



Material:
Steel or stainless steel 1.4301.

Type:
Galvanized and blue chromate.
Stainless steel natural finish.

Part Number Example:
Latch K0051.1611451
Catch plate K0051.9143381

Note:
Adjustable latches are safe locking systems for industrial applications. By exceeding the dead center they resist vibration.

After the bail engages with the catch plate, by pushing the lever down the parts to be locked can be drawn together by up to 15 mm. To compensate for tolerances or to create enough tension the bail length can be adjusted using the M8 spindle.

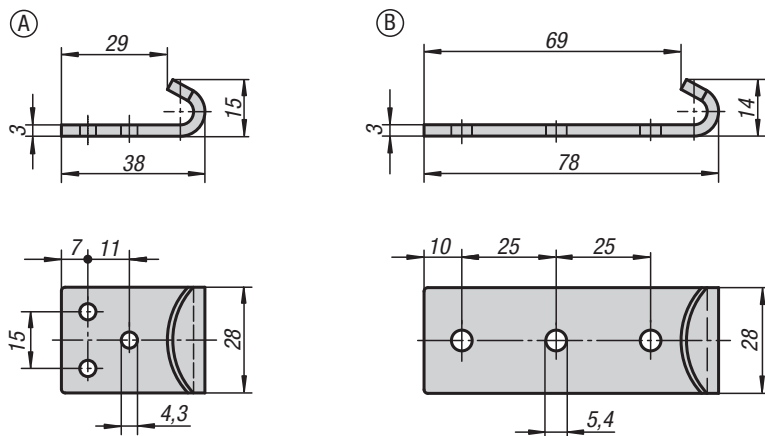
The latches can be screwed down or riveted. We recommend using countersunk screws for fastening the components.

Order the required catch plate version separately.

The retaining force F1 applies to the latch, not the catch plate.

On request:
Lockable version with padlock bracket.

Applications:
We recommend using countersunk screws for fastening the components.



KIPP Adjustable Latches, metric

Item No. Steel	Item No. Stainless steel	H	L	Retaining force F1 N
K0051.1611451	K0051.1611452	21	145	6500
K0051.1611681	K0051.1611682	36	168	6500

KIPP Catch plate, metric

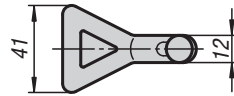
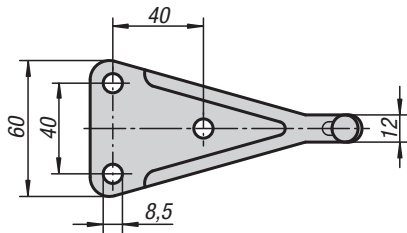
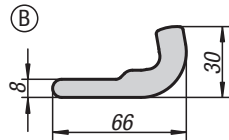
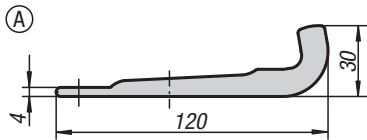
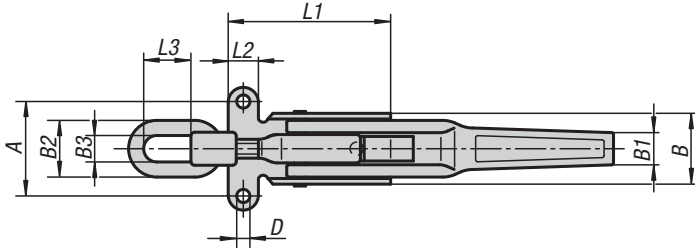
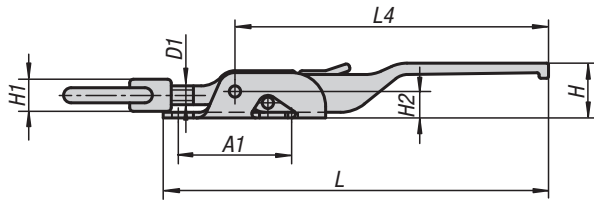
Item No. Steel	Item No. Stainless steel	Style
K0051.9143381	K0051.9143382	A
K0051.9254781	K0051.9254782	B

Adjustable Latches

heavy-duty model



METRIC
Parts



Material:
Steel.

Type:
Galvanized and blue chromate.
Catch plate Style B (weldable) natural finish.

Part Number Example:
Latch K0052.1702041
Catch plate K0052.91851201

Note:
Heavy, forged latches for high tensile loads. Primarily used on utility vehicles, agricultural and construction machinery. A ratchet prevents unintentional opening when closed.

To compensate for tolerances or to create enough tension the bail can be adjusted using the spindle D1.

Order required catch plate version separately.

The retaining force F1 applies to the latch, not the catch plate.

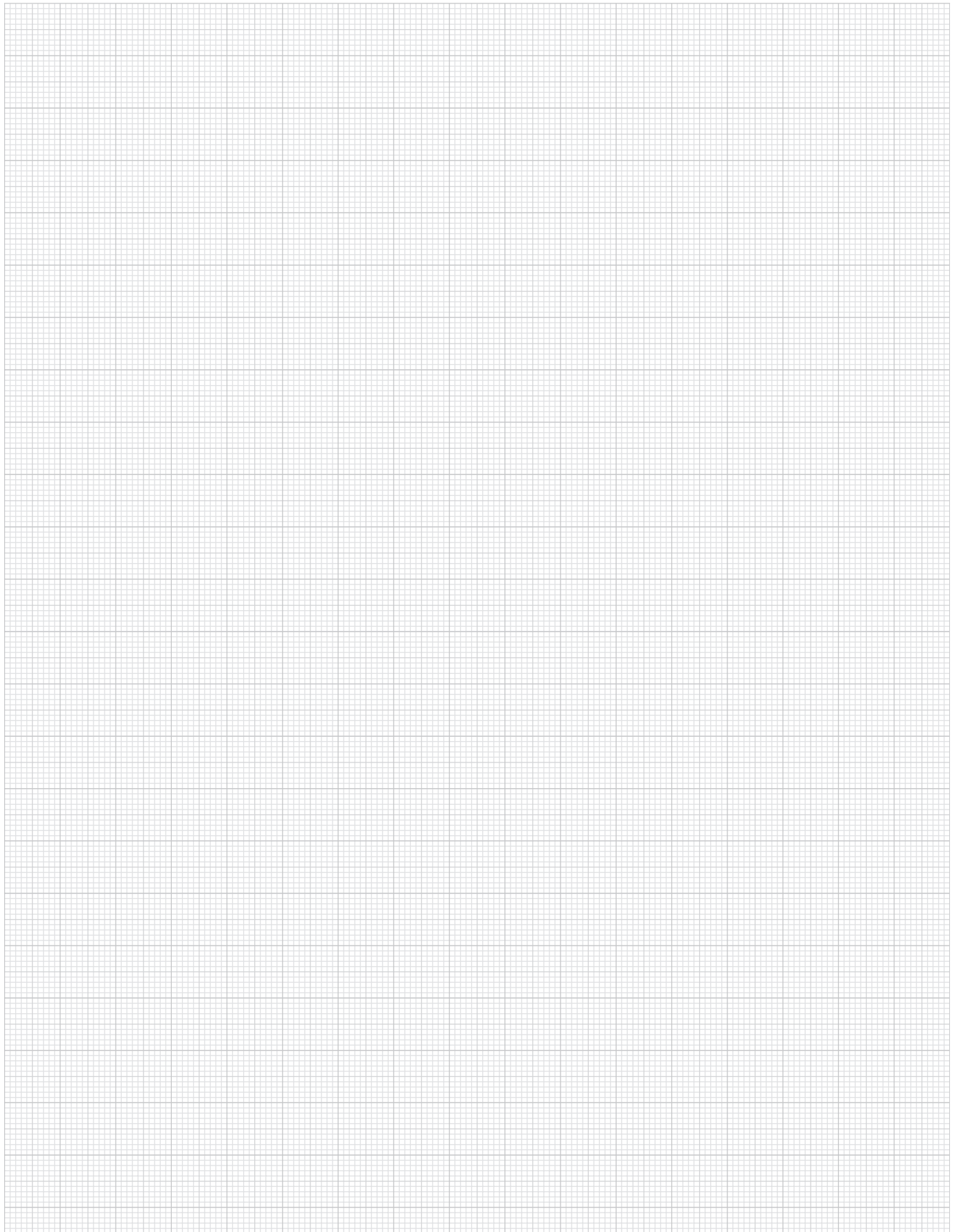
KIPP Adjustable Latches heavy-duty model, metric

Item No.	A	A1	B	B1	B2	B3	D	D1	H	H1	H2	L	L1	L2	L3	L4	Retaining force F1 N
K0052.1702041	50	62	37	18	30	14	7	M10	30	17	14	204	86	16	25	165	20000
K0052.1852371	65	82	50	20	36	158,5		M14x1,5	32	20	18	237	104	21	40	190	30500

KIPP Catch plate, metric

Item No.	Style
K0052.91851201	A
K0052.92000601	B

Notes:



Technical information

Quick clamping - reliable fastening



Durable and reliable: KIPP lock

Now even more durable, more user-friendly and safer. The new generation has proved highly effective in meeting this development. You, the user, will notice the difference immediately: On first contact, the new KIPP lock has a good grip and is robust. It delivers fast, reliable and safe operation. High-quality material ensures the necessary holding power.

KIPPlock

with all the benefits



Benefits:

Impressively stable:

All models can easily withstand 300,000 clamping cycles

Durable:

High-quality bushings - without scoring

Extremely robust:

Corrosion-resistant NITROX COATING

Simple design

The fixed top nut eases spindle adjustment

Reliable:

Uniform force during opening and closing

Ideal where space is restricted:

Slim design supports safe operation

Optimum stability:

Conical clamping arm with U-profile

Safe application:

Nothing catches on the smooth edges

Fast and flexible:

Easy retrofitting thanks to a wide range of accessories

Ergonomic and slip-resistant:

Easy to operate wearing work gloves

Non-reflecting

Ideal for use with laser devices

Safe when opening:

More space between clamping arm and grip prevents pinching

Extremely compatible:

Oblong holes allows assembly on existing boreholes

Secure fixation and locking: KIPP lock+

The inner locking system is a completely revolutionary development from KIPP. Nothing gets caught or stuck. Operation is easy even when wearing work gloves.

KIPPlock⁺

with all the advantages
with safety interlock



Functional principle:

KIPPlock⁺

Fig. 1:

Locking mechanism closed. Safe to use thanks to revolutionary grip - no pinch points or interfering contours

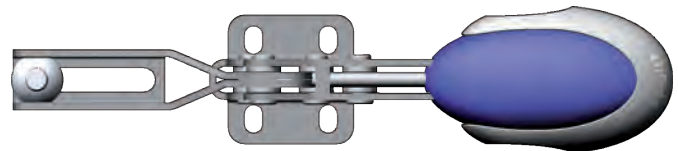


Fig. 2:

Inner rod locking mechanism with automatic safety catch. The lock is released by pulling the grip

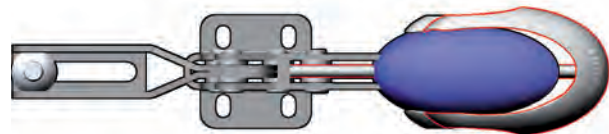
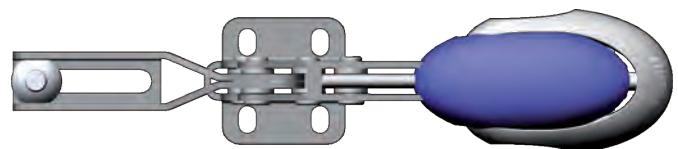


Fig. 3:

Locking mechanism open.

Release the grip to close the safety mechanism



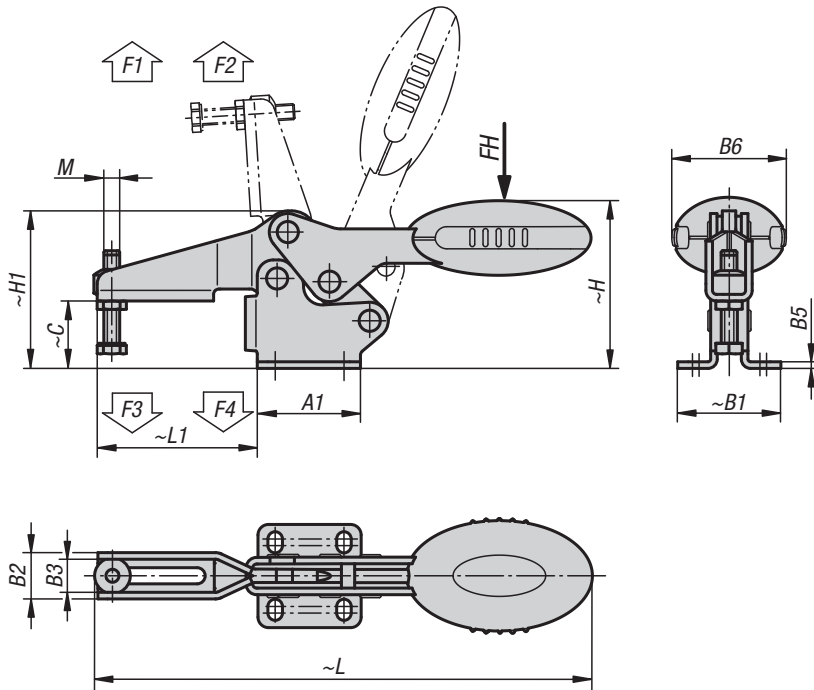
Horizontal Toggle Clamps

with flat foot and adjustable clamping spindle

METRIC
Parts



KIPPlack



Material:

Steel;
Grip polyamide.

Type:

Nitro-carburized and black oxidized

Part Number Example:

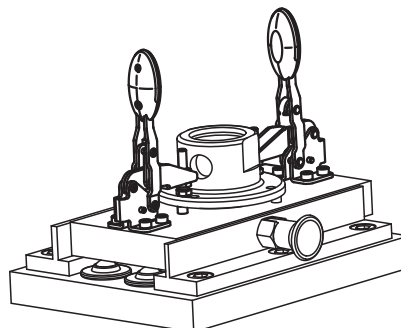
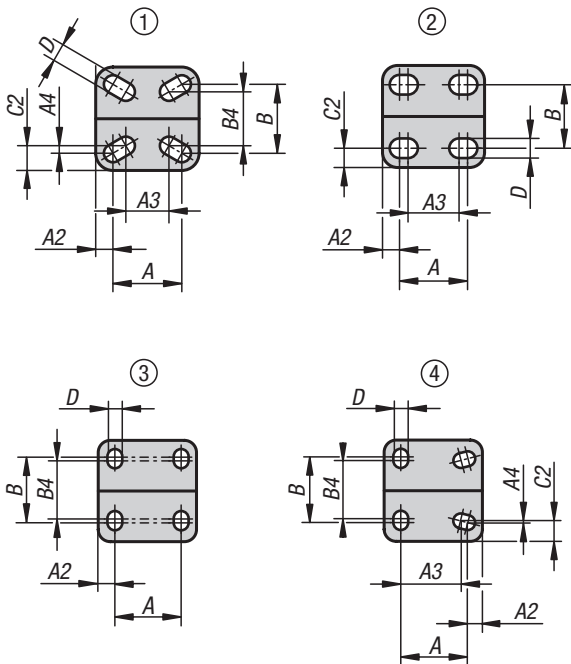
K0660.005001

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:

- K0106
- K0098
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393



Angle bracket for front face mounting (see accessories)

Horizontal Toggle Clamps

with flat foot and adjustable clamping spindle



KIPP Horizontal Toggle Clamps with flat foot and adjustable clamping spindle, metric

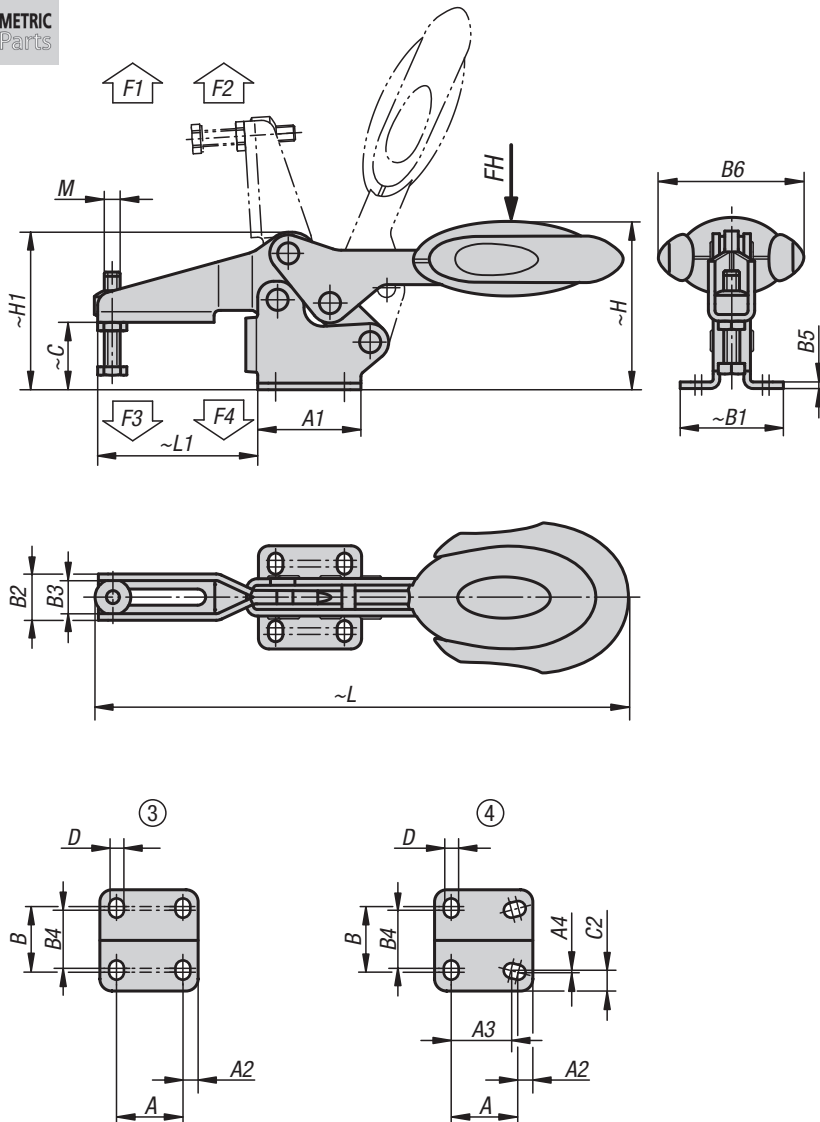
Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N	Item No. Angle Bracket
K0660.004001	1	87°	69°	80	400	500	250	300	K0098.02
K0660.005001	2	86°	67°	100	650	900	550	620	K0098.02
K0660.006001	3	86°	67°	160	1350	1900	720	1200	K0098.04
K0660.008001	3	86°	67°	200	2000	2800	830	1400	K0098.04
K0660.010001	3	90°	71°	250	2200	4500	1200	2800	K0098.06
K0660.012001	4	88°	68°	280	2400	5500	1000	2800	K0098.06

Item No.	M	A	A1	A2	A3	A4	B	B1	B2	B3	B4	B5	B6	C	C2	D	H	H1	L	L1
K0660.004001	M4x16	16	24	4	12,8	0,95	16	24	10,2	7,2	14,1	1,5	20	11,7	4,95	4,2	28,7	26,3	91,8	23,7
K0660.005001	M5x25	18	27	4,5	13,5	-	16,8	27,3	13,2	9,2	-	2	22,5	17,2	5,25	5,5	43,4	38,9	125,7	41,8
K0660.006001	M6x35	26	39	6,5	-	-	28	39	17,5	12,5	23	2,5	43,5	25,4	-	5,5	63,7	59,6	186,6	60,5
K0660.008001	M8x45	26	44	9	-	-	31	45	21	16	24	2,5	41,5	32,2	-	6,2	73,9	70,1	223,1	74,9
K0660.010001	M10x55	41,5	59	9	-	-	43	59	26	19	39	3,5	47	40	-	8,8	94,8	88	279,4	103,9
K0660.012001	M12x70	44	65	10	40	1	42	67	28	21	40	3,5	47	52,3	13,5	8,5	104,8	101,6	314,7	122

Horizontal Toggle Clamps with Safety Interlock

with flat foot and adjustable clamping spindle

METRIC
Parts



KIPlock+

Material:

Steel;
Grip polyamide;
TPE unlocking bracket

Type:

Nitro-carburized and black oxidized

Part Number Example:

K0660.006101

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

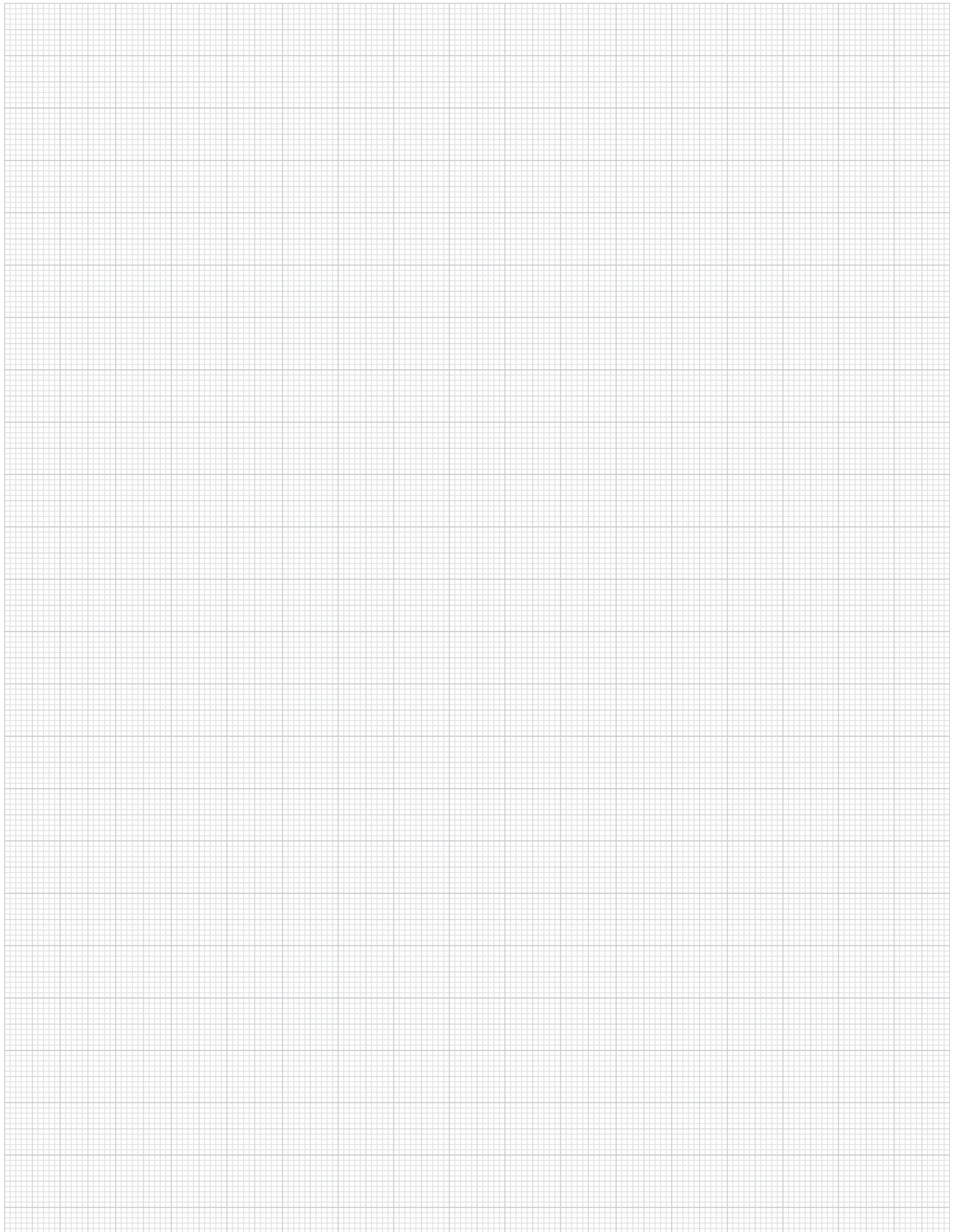
- K0106
- K0098
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393

KIPPP Horizontal Toggle Clamps with Safety Interlock, with flat foot and adjustable clamping spindle, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N	Item No. Angle Bracket
K0660.006101	3	86°	67°	160	1350	1900	720	1200	K0098.04
K0660.008101	3	86°	67°	200	2000	2800	830	1400	K0098.04
K0660.010101	3	90°	71°	250	2200	4500	1200	2800	K0098.06
K0660.012101	4	88°	68°	280	2400	5500	1000	2800	K0098.06

Item No.	M	A	A1	A2	A3	A4	B	B1	B2	B3	B4	B5	B6	C	C2	D	H	H1	L	L1
K0660.006101	M6x35	26	39	6,5	-	-	28	39	17,5	12,5	23	2,5	53,4	25,4	-	5,5	63,7	59,6	193,3	60,5
K0660.008101	M8x45	26	44	9	-	-	31	45	21	16	24	2,5	51,1	32,2	-	6,2	73,9	70,1	230,4	74,9
K0660.010101	M10x55	41,5	59	8,5	-	-	43	59	26	19	39	3,5	56,5	40	-	8,8	94,8	88	286	103,9
K0660.012101	M12x70	44	65	10	40	1	42	67	28	21	40	3,5	56,5	52,3	13,5	8,5	104,8	101,6	321,3	122

Notes:

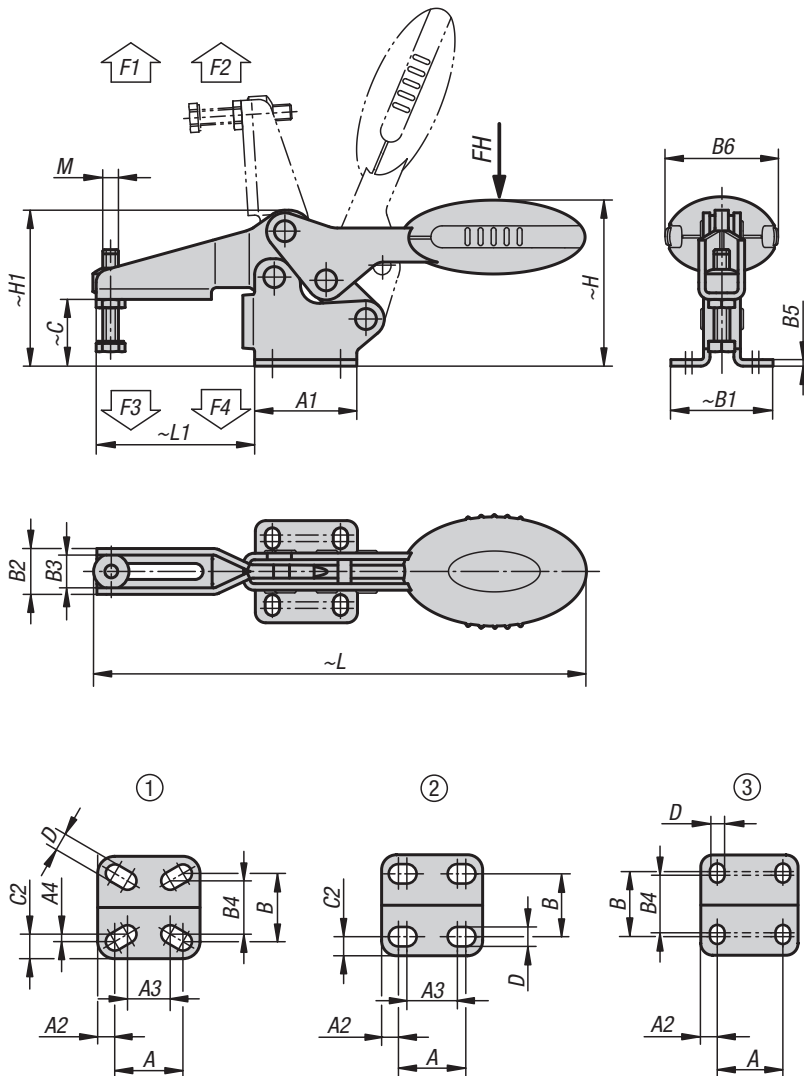


Horizontal Toggle Clamps

with flat foot and adjustable clamping spindle, stainless steel



KIPLock



Material:
Stainless steel.
Grip polyamide.

Type:
Natural finish.

Part Number Example:
K0660.105001

Note:
Maintenance-free, high-quality swivel bushings.
Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:
K0106
K0384
K0390
K0392
K0667

KIPP Horizontal Toggle Clamps with flat foot, stainless steel, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0660.104001	1	87°	69°	80	400	500	250	300
K0660.105001	2	86°	67°	100	650	900	550	620
K0660.106001	3	86°	67°	160	1350	1900	720	1200
K0660.108001	3	86°	67°	200	2000	2800	830	1400

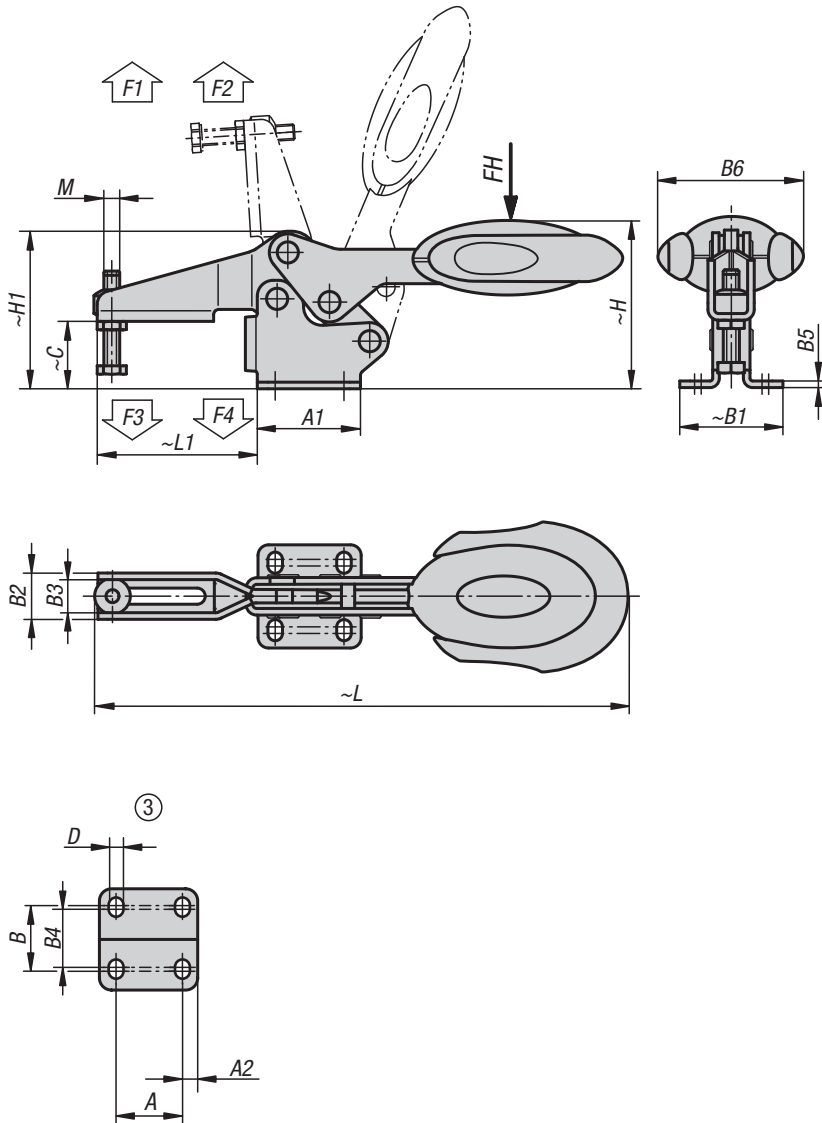
Item No.	M	A	A1	A2	B	B1	B2	B3	B4	B5	B6	C	D	H	H1	L	L1
K0660.104001	M4x16	16	24	4	16	24	10,2	7,2	12,5	1,5	20	11,7	4,2	28,7	26,3	91,8	23,7
K0660.105001	M5x25	18	27	4,5	16,8	27,3	13,2	9,2	-	2	22,5	17,2	5,5	43,4	38,9	125,7	41,8
K0660.106001	M6x35	26	39	6,5	28	39	17,5	12,5	23	2,5	43,5	25,4	5,5	63,7	59,6	186,6	60,5
K0660.108001	M8x45	26	44	9	31	45	21	16	24	2,5	41,5	32,2	6,2	73,9	70,1	223,1	74,9

Horizontal Toggle Clamps with Safety Interlock

with flat foot and adjustable clamping spindle, stainless steel



KIPPLock⁺



Material:

Stainless steel.
Grip polyamide.
Unlocking bracket TPE.

Type:

Natural finish.

Part Number Example:

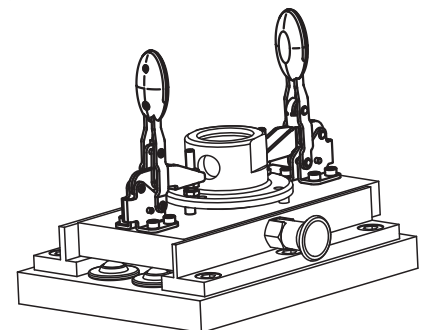
K0660.106101

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

- K0106
- K0384
- K0390
- K0392
- K0667



KIPP Horizontal Toggle Clamps with Safety Interlock with flat foot and adjustable clamping spindle, stainless steel, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0660.106101	3	86°	67°	160	1350	1900	720	1200
K0660.108101	3	86°	67°	200	2000	2800	830	1400

Item No.	M	A	A1	A2	B	B1	B2	B3	B4	B5	B6	C	D	H	H1	L	L1
K0660.106101	M6x35	26	39	6,5	28	39	17,5	12,5	23	2,5	53,4	25,4	5,5	63,7	59,6	193,3	60,5
K0660.108101	M8x45	26	44	9	31	45	21	16	24	2,5	51,1	32,2	6,2	73,9	70,1	230,4	74,9

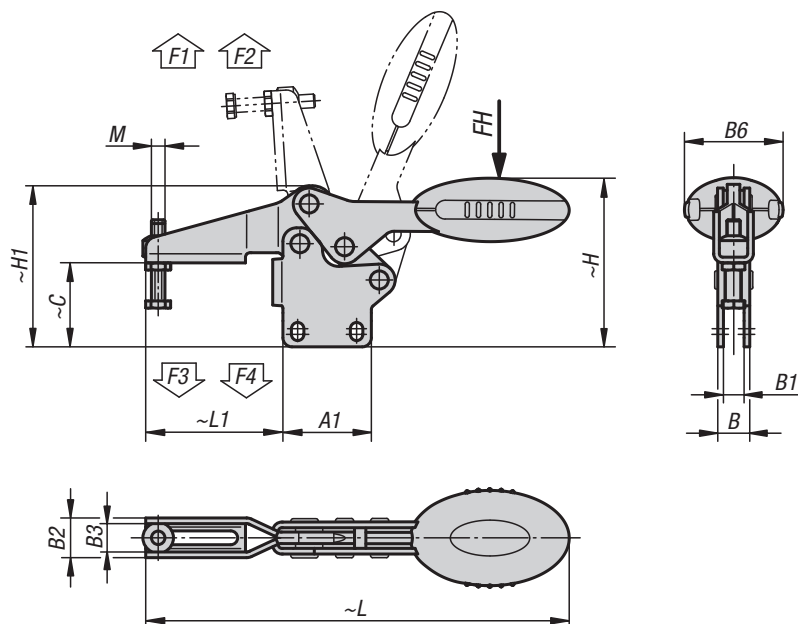
Horizontal Toggle Clamps

with straight foot and adjustable clamping spindle



KIPlock

METRIC
Parts



Material:

Steel.
Grip polyamide.

Type:

Nitro-carburized and black oxidized

Part Number Example:

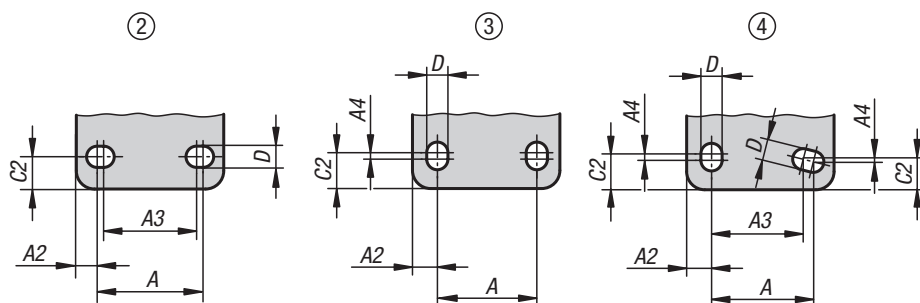
K0661.005001

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:

- K0106
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393



KIPP Horizontal Toggle Clamps with straight foot and adjustable clamping spindle, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0661.005001	2	86°	67°	100	650	900	550	620
K0661.006001	3	86°	67°	160	1350	1900	720	1200
K0661.008001	3	86°	67°	200	2000	2800	830	1400
K0661.010001	3	90°	71°	250	2200	4500	1200	2800
K0661.012001	4	88°	68°	280	2400	5500	1000	2800

Item No.	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	H1	L	L1
K0661.005001	M5x25	18	27	4,5	13,5	-	8,1	4,1	13,2	9,2	22,5	26,2	5,2	5,5	52,2	47,9	125,7	41,8
K0661.006001	M6x35	26	39	6,5	-	2,5	14,1	9,1	17,5	12,5	43,5	36,9	8	5,5	75,2	71	186,6	60,5
K0661.008001	M8x45	26	44	9	-	3,5	14,1	9,1	21	16	41,5	46,5	10,5	6,2	88,2	84,3	223,1	74,9
K0661.010001	M10x55	41,5	59	9	-	2	16,2	9,2	26	19	47	59,6	10	8,8	114,3	107,5	279,4	103,9
K0661.012001	M12x70	44	65	11	40	1	16,2	9,2	28	21	47	75,9	13,5	8,5	128,4	125,2	314,7	122

Horizontal Toggle Clamps with Safety Interlock

with straight foot and adjustable clamping spindle



KIPlock+

Material:

Steel.
Grip polyamide;
TPE unlocking bracket

Type:

Nitro-carburized and black oxidized

Part Number Example:

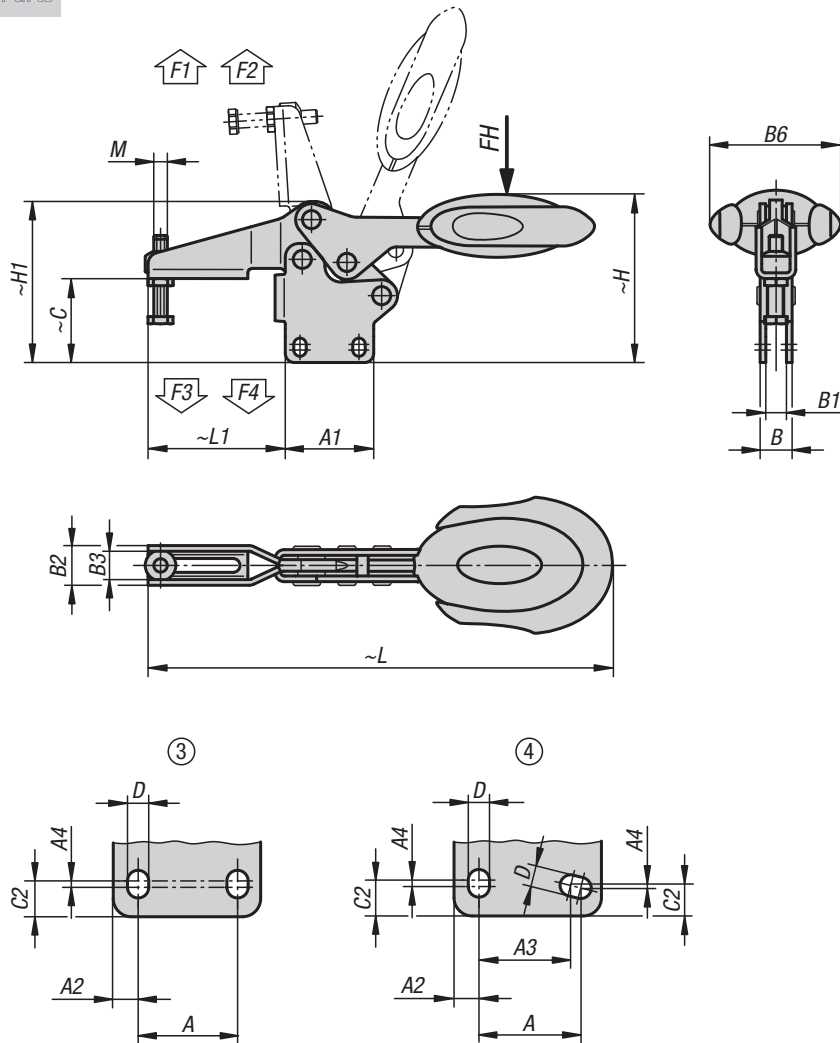
K0661.006101

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

- K0106
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393



KIPP Horizontal Toggle Clamps with Safety Interlock, with straight foot and adjustable clamping spindle, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0661.006101	3	86°	67°	160	1350	1900	720	1200
K0661.008101	3	86°	67°	200	2000	2800	830	1400
K0661.010101	3	90°	71°	250	2200	4500	1200	2800
K0661.012101	4	88°	68°	280	2400	5500	1000	2800

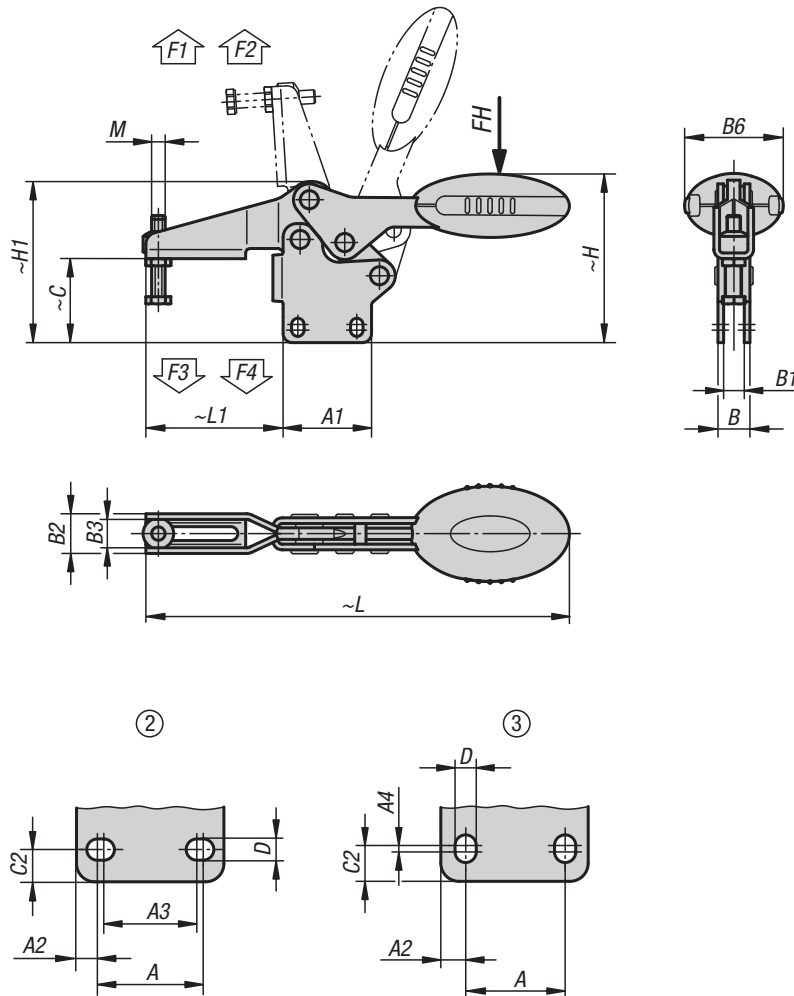
Item No.	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	H1	L	L1
K0661.006101	M6x35	26	39	6,5	-	2,5	14,1	9,1	17,5	12,5	53,4	36,9	8	5,5	75,2	71	193,3	60,5
K0661.008101	M8x45	26	44	9	-	3,5	14,1	9,1	21	16	51,1	46,5	10,5	6,2	88,2	84,3	230,4	74,9
K0661.010101	M10x55	41,5	59	9	-	2	16,2	9,2	26	19	56,5	59,6	10	8,8	114,3	107,5	286	103,9
K0661.012101	M12x70	44	65	11	40	1	16,2	9,2	28	21	56,5	75,9	13,5	8,5	128,4	125,2	321,3	122

Horizontal Toggle Clamps

with straight foot and adjustable clamping spindle, stainless steel



KIPlock



Material:
Stainless steel.
Grip polyamide.

Type:
Natural finish.

Part Number Example:
K0661.105001

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:
K0106
K0384
K0390
K0392
K0667

KIPP Horizontal Toggle Clamps with straight foot and adjustable clamping spindle, stainless steel, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0661.105001	2	86°	67°	100	650	900	550	620
K0661.106001	3	86°	67°	160	1350	1900	720	1200
K0661.108001	3	86°	67°	200	2000	2800	830	1400

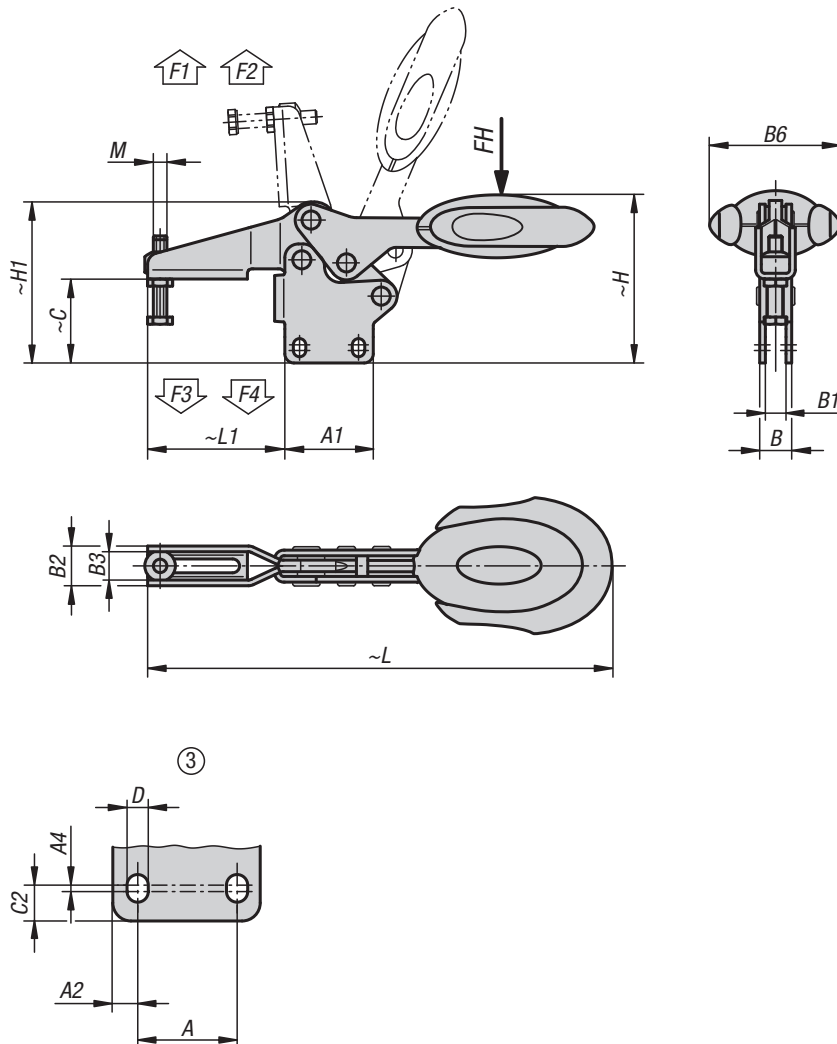
Item No.	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	H1	L	L1
K0661.105001	M5x25	18	27	4,5	13,5	-	8,1	4,1	13,2	9,2	22,5	26,2	5,2	5,5	52,2	47,9	125,7	41,8
K0661.106001	M6x35	26	39	6,5	-	2,5	14,1	9,1	17,5	12,5	43,5	36,9	8	5,5	75,2	71	186,6	60,5
K0661.108001	M8x45	26	44	9	-	3,5	14,1	9,1	21	16	41,5	46,5	10,5	6,2	88,2	84,3	223,1	74,9

Horizontal Toggle Clamps with Safety Interlock

with straight foot and adjustable clamping spindle, stainless steel



KIPPlock+



Material:
Stainless steel.
Grip polyamide.
Unlocking bracket TPE.

Type:
Natural finish.

Part Number Example:
K0661.106101

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:
K0106
K0384
K0390
K0392
K0667

KIPP Horizontal Toggle Clamps with Safety Interlock with straight foot and adjustable clamping spindle, stainless steel, metric

Item No.	hole arrangement	Opening angle of holding arm	Opening angle of handle	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0661.106101	3	86°	67°	160	1350	1900	720	1200
K0661.108101	3	86°	67°	200	2000	2800	830	1400

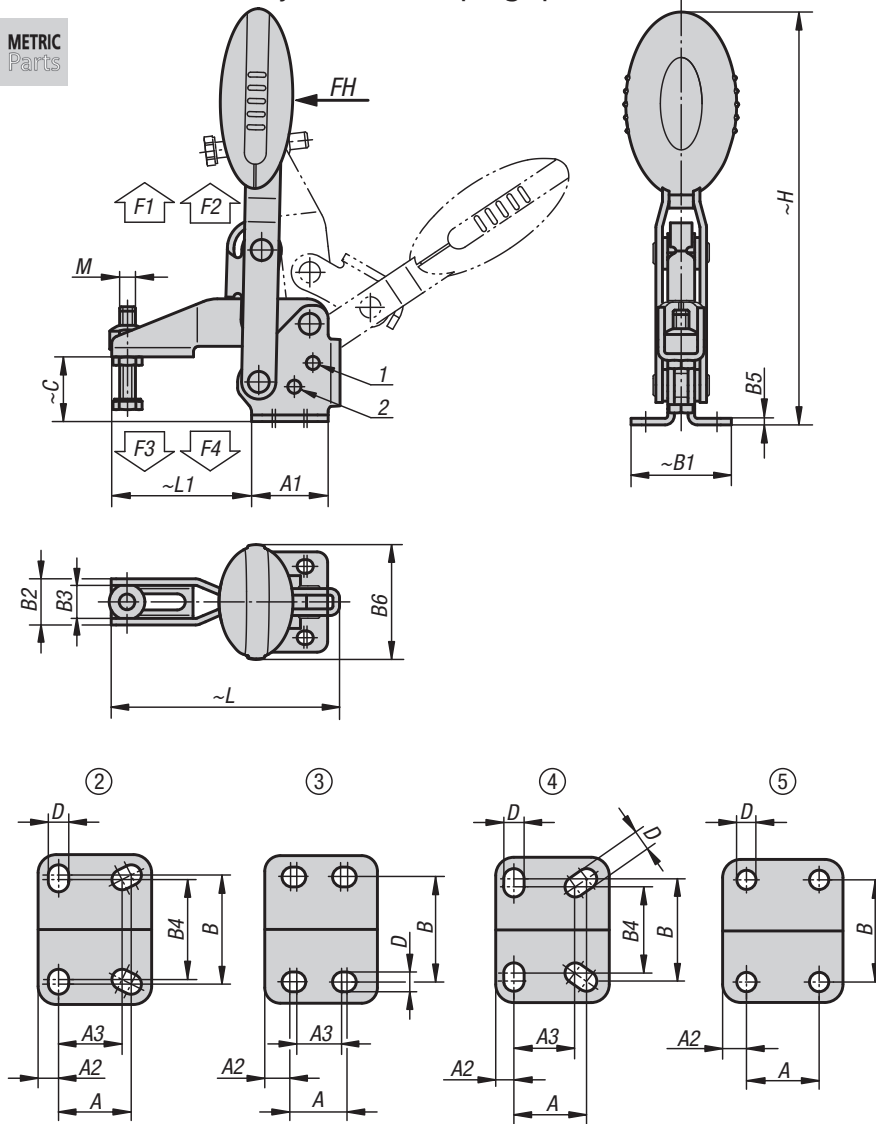
Item No.	M	A	A1	A2	A4	B	B1	B2	B3	B6	C	C2	D	H	H1	L	L1
K0661.106101	M6x35	26	39	6,5	2,5	14,1	9,1	17,5	12,5	53,4	36,9	8	5,5	75,2	71	193,3	60,5
K0661.108101	M8x45	26	44	9	3,5	14,1	9,1	21	16	51,1	46,5	10,5	6,2	88,2	84,3	230,4	74,9

Vertical Toggle Clamps

with flat foot and adjustable clamping spindle



METRIC
Parts



KIPlock



Material:
Steel.
Grip polyamide.

Type:
Nitro-carburized and black oxidized

Part Number Example:
K0662.005001

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:
K0106
K0098
K0383
K0388
K0390
K0391
K0392
K0393

Drawing reference:
1) Stop pin Position 1
2) Stop pin Position 2

KIPP Vertical Toggle Clamps with flat foot and adjustable clamping spindle, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Opening angle of handle stop pin removed	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0662.005001	100°	-	147°	64°	-	83°	100	750	1050	620	750
K0662.006001	56°	83°	152°	46°	56°	83°	160	1350	1650	920	1050
K0662.008001	13°	93°	158°	26°	61°	86°	190	2000	2800	940	1350
K0662.010001	6°	97°	176°	19°	59°	91°	250	2500	4500	1500	2800
K0662.012001	11°	88°	164°	24°	60°	91°	280	3000	5500	1400	2800

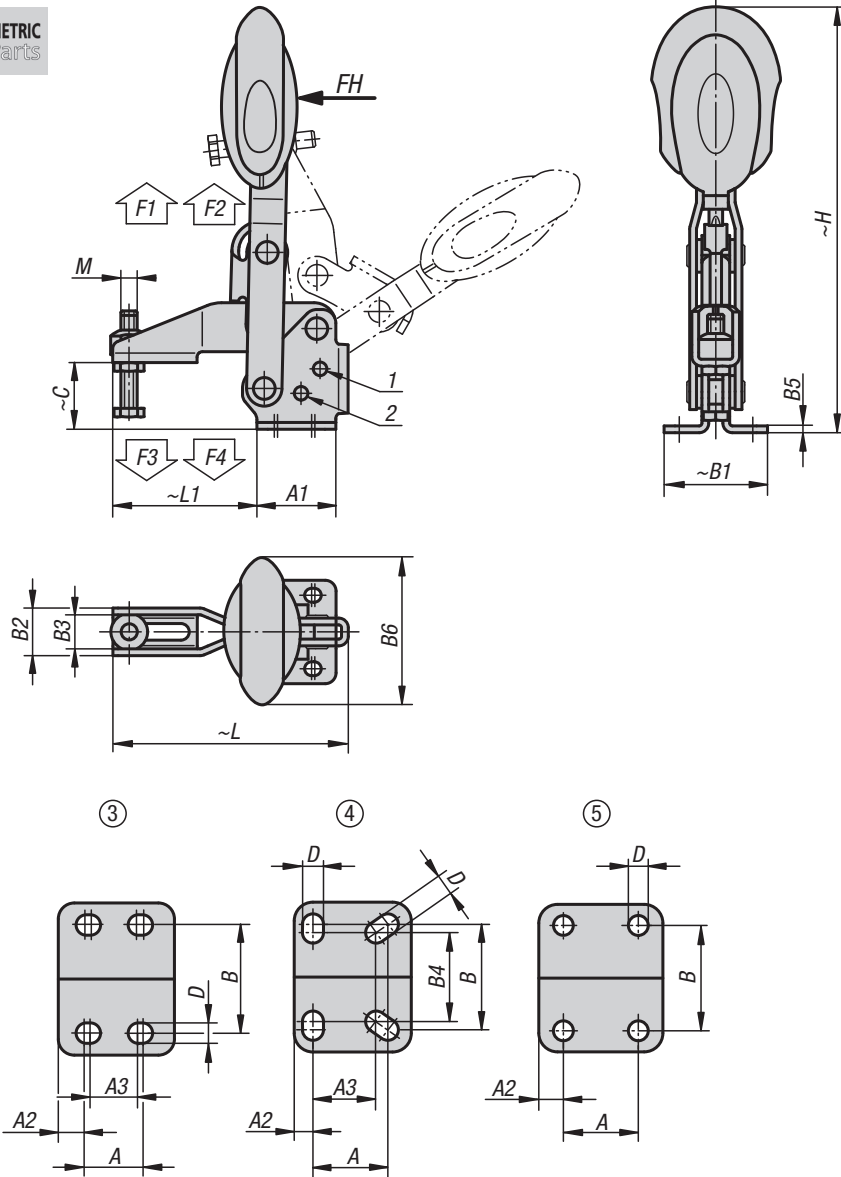
Item No.	hole arrangement	M	A	A1	A2	A3	B	B1	B2	B3	B4	B5	B6	C	D	H	L	L1	Item No. Angle Bracket
K0662.005001	2	M5x25	16	25	4,5	14	24	33	13,2	9,2	22	2	22,5	18	4,5	107,4	65,6	35	K0098.02
K0662.006001	3	M6x35	14	29	7	12	27	38	17,5	12,5	-	2,5	43,5	24,9	5,5	156,3	86,5	53	K0098.02
K0662.008001	3	M8x45	21	39	9	19	32	45	20,6	15,6	-	2,5	41,5	32,7	6,8	184,2	107	62	K0098.04
K0662.010001	4	M10x55	32	50	8	27	45	64	25,5	18,5	38	3,5	47	38,7	9	223,9	153	95	K0098.06
K0662.012001	5	M12x70	32	53	10,5	-	45	63	28	21	-	3,5	47	46,7	8,8	242,4	173,5	113,5	K0098.06

Vertical Toggle Clamps with Safety Interlock

with flat foot and adjustable clamping spindle



METRIC
Parts



KIPlock+

Material:
Steel.
Grip polyamide;
TPE unlocking bracket

Type:
Nitro-carburized and black oxidized

Part Number Example:
K0662.006101

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

- K0106
- K0098
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393

Drawing reference:

- 1) Stop pin Position 1
- 2) Stop pin Position 2

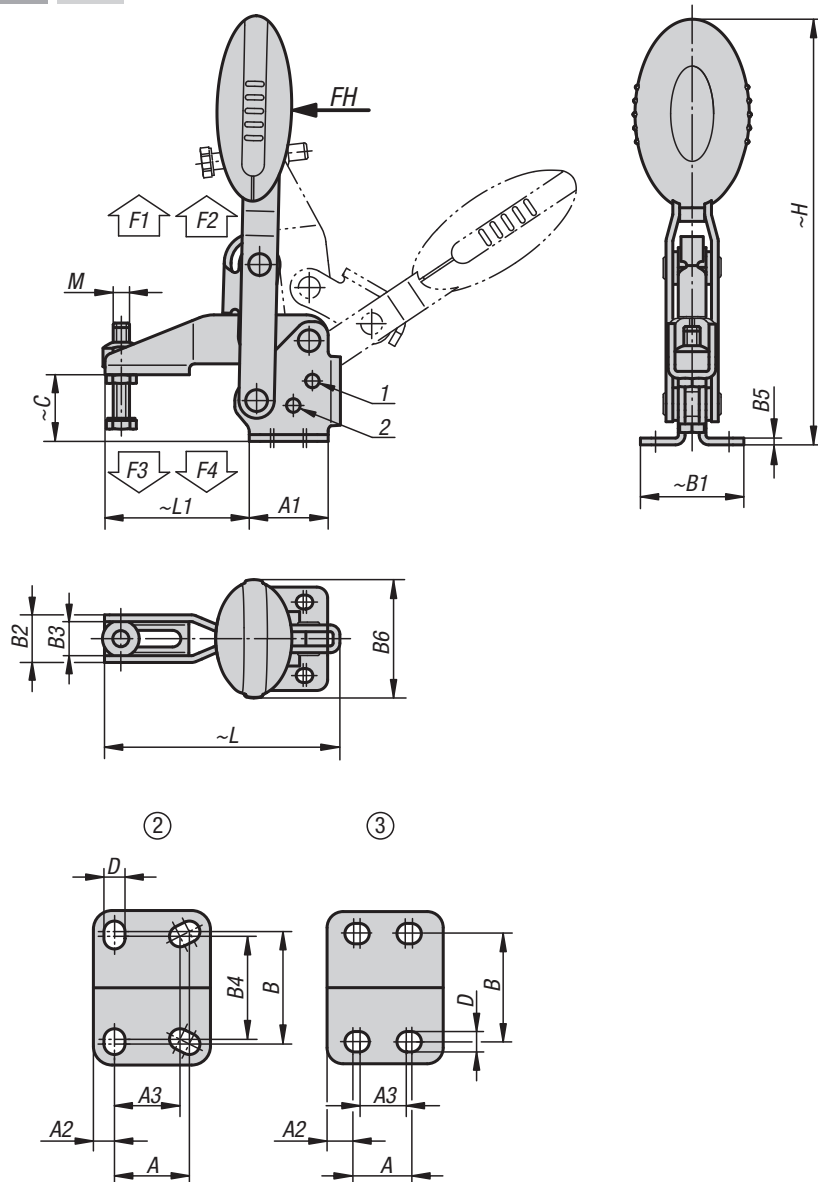
KIPP Vertical Toggle Clamps with Safety Interlock with flat foot and adjustable clamping spindle, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Opening angle of handle stop pin removed	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0662.006101	56°	83°	152°	46°	56°	83°	160	1350	1650	920	1050
K0662.008101	13°	93°	158°	26°	61°	86°	190	2000	2800	940	1350
K0662.010101	6°	97°	176°	19°	59°	91°	250	2500	4500	1500	2800
K0662.012101	11°	88°	164°	24°	60°	91°	280	3000	5500	1400	2800

Item No.	hole arrangement	M	A	A1	A2	A3	B	B1	B2	B3	B4	B5	B6	C	D	H	L	L1	Item No. Angle Bracket
K0662.006101	3	M6x35	14	29	7	12	27	38	17,5	12,5	-	2,5	53,4	24,9	5,5	163	86,5	53	K0098.02
K0662.008101	3	M8x45	21	39	9	19	32	45	20,6	15,6	-	2,5	51,1	32,7	6,8	191,4	107	62	K0098.04
K0662.010101	4	M10x55	32	50	8	27	45	64	25,5	18,5	38	3,5	56,5	38,7	9	230,5	153	95	K0098.06
K0662.012101	5	M12x70	32	53	10,5	-	45	63	28	21	-	3,5	56,5	46,7	8,8	249,1	173,5	113,5	K0098.06

Vertical Toggle Clamps

with flat foot and adjustable clamping spindle, stainless steel



KIPlock



Material:
Stainless steel.
Grip polyamide.

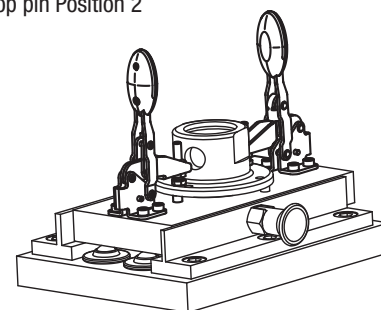
Type:
Natural finish.

Part Number Example:
K0662.105001

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:
K0106
K0384
K0390
K0392
K0667

Drawing reference:
1) Stop pin Position 1
2) Stop pin Position 2



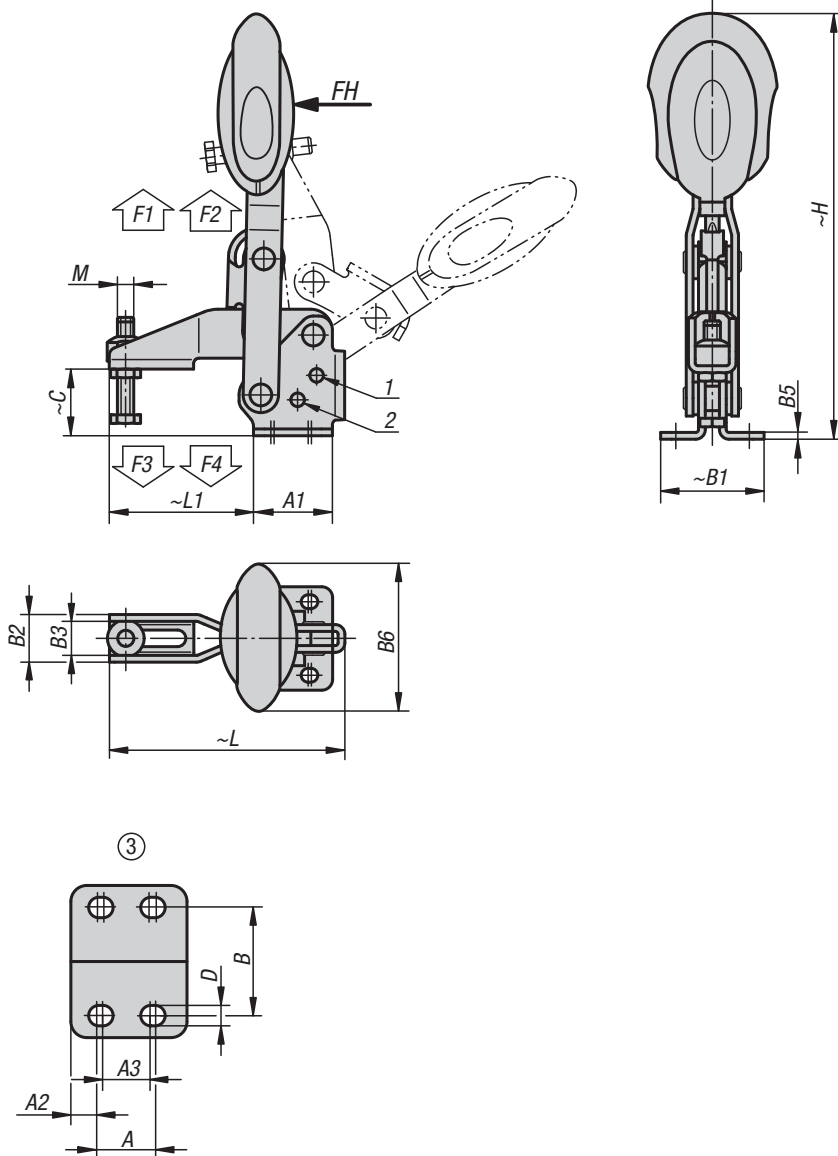
KIPP Vertical Toggle Clamps with flat foot and adjustable clamping spindle, stainless steel, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Opening angle of handle stop pin removed	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0662.105001	100°	-	147°	64°	-	83°	100	750	1050	620	750
K0662.106001	56°	83°	152°	46°	56°	83°	160	1350	1650	920	1050
K0662.108001	13°	93°	158°	26°	61°	86°	190	2000	2800	940	1350

Item No.	hole arrangement	M	A	A1	A2	A3	B	B1	B2	B3	B4	B5	B6	C	D	H	L	L1
K0662.105001	2	M5x25	16	25	4,5	14	24	33	13,2	9,2	22	2	22,5	18	4,5	107,4	65,6	35
K0662.106001	3	M6x35	14	29	7	12	27	38	17,5	12,5	-	2,5	43,5	24,9	5,5	156,3	86,5	53
K0662.108001	3	M8x45	21	39	9	19	32	45	20,6	15,6	-	2,5	41,5	32,7	6,8	184,2	107	62

Vertical Toggle Clamps with Safety Interlock

with flat foot and adjustable clamping spindle, stainless steel



KIPlock+



Material:
Stainless steel.
Grip polyamide.
Unlocking bracket TPE.

Type:
Natural finish.

Part Number Example:
K0662.106101

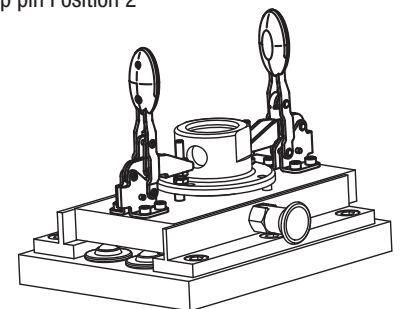
Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

- K0106
- K0384
- K0390
- K0392
- K0667

Drawing reference:

- 1) Stop pin Position 1
- 2) Stop pin Position 2



KIPP Vertical Toggle Clamps with Safety Interlock with flat foot and adjustable clamping spindle, stainless steel, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Opening angle of handle stop pin removed	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0662.106101	56°	83°	152°	46°	56°	83°	160	1350	1650	920	1050
K0662.108101	13°	93°	158°	26°	61°	86°	190	2000	2800	940	1350

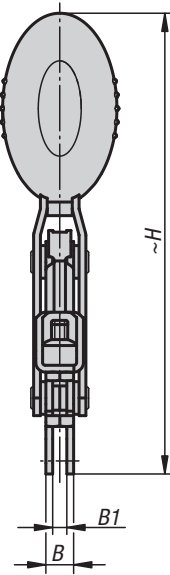
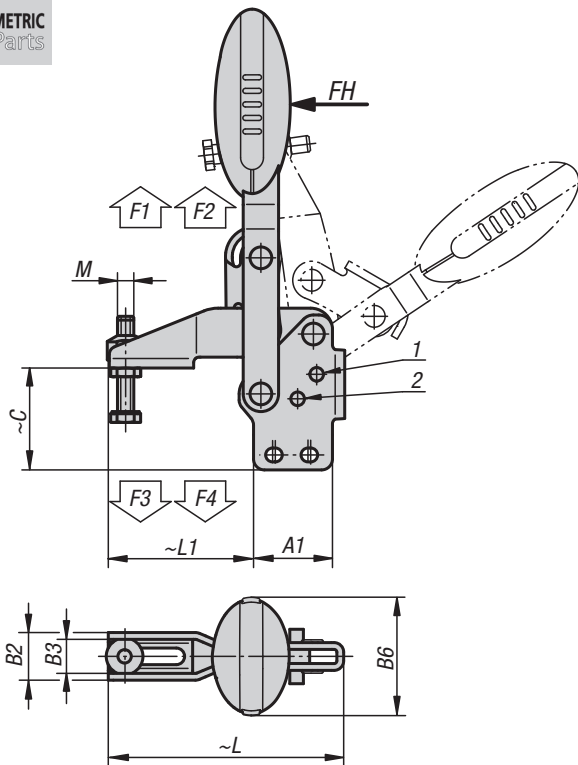
Item No.	hole arrangement	M	A	A1	A2	A3	B	B1	B2	B3	B5	B6	C	D	H	L	L1
K0662.106101	3	M6x35	14	29	7	12	27	38	17,5	12,5	2,5	53,4	24,9	5,5	163	86,5	53
K0662.108101	3	M8x45	21	39	9	19	32	45	20,6	15,6	2,5	51,1	32,7	6,8	191,4	107	62

Vertical Toggle Clamps

with straight foot and adjustable clamping spindle



METRIC
Parts



KIPlock



Material:

Steel.
Grip polyamide.

Type:

Nitro-carburized and black oxidized

Part Number Example:

K0663.005001

Note:

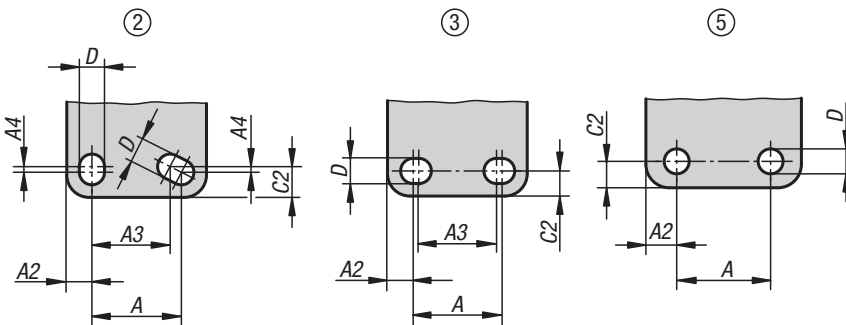
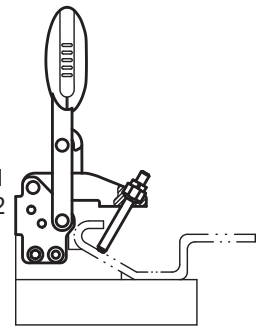
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:

- K0106
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393

Drawing reference:

- 1) Stop pin Position 1
- 2) Stop pin Position 2



KIPP Vertical Toggle Clamps with flat foot and adjustable clamping spindle, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0663.005001	100°	-	129°	64°	-	100	750	1050	620	750
K0663.006001	56°	83°	141°	46°	56°	160	1350	1650	920	1050
K0663.008001	13°	93°	158°	26°	61°	190	2000	2800	940	1350
K0663.010001	6°	97°	176°	19°	59°	250	2500	4500	1500	2800
K0663.012001	11°	88°	164°	24°	60°	280	3000	5500	1400	2800

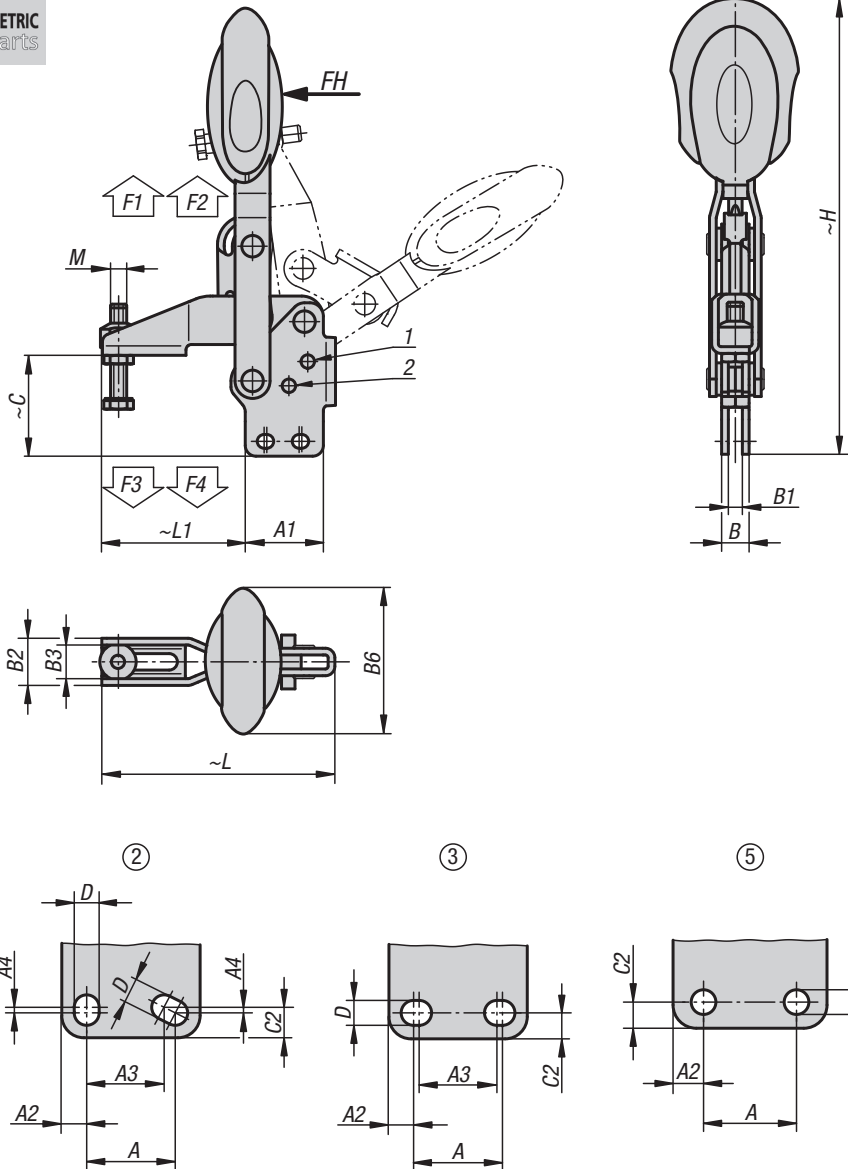
Item No.	hole arrangement	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	L	L1
K0663.005001	2	M5x25	16	25	4,5	14	1	8,1	4,1	13,2	9,2	22,5	29,8	5,5	4,5	119,2	65,6	35
K0663.006001	3	M6x35	14	29	7	12	-	10,2	5,2	17,5	12,5	43,5	37,6	5,5	5,5	169	86,5	53
K0663.008001	3	M8x45	21	39	9	19	-	10,2	5,2	20,6	15,6	41,5	49	6,5	6,8	200,4	107	62
K0663.010001	2	M10x55	32	50	8	27	3,5	14,1	7,1	25,5	18,5	47	62,3	13	9	247,4	153	95
K0663.012001	5	M12x70	32	53	10,5	-	-	14,1	7,1	28	21	47	69,8	9	8,8	265,5	173,5	113,5

Vertical Toggle Clamps with Safety Interlock

with straight foot and adjustable clamping spindle



METRIC
Parts



KIPlock+



Material:

Steel.
Grip polyamide;
TPE unlocking bracket

Type:

Nitro-carburized and black oxidized

Part Number Example:

K0663.006101

Note:

Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:

- K0106
- K0383
- K0388
- K0390
- K0391
- K0392
- K0393

Drawing reference:

- 1) Stop pin Position 1
- 2) Stop pin Position 2

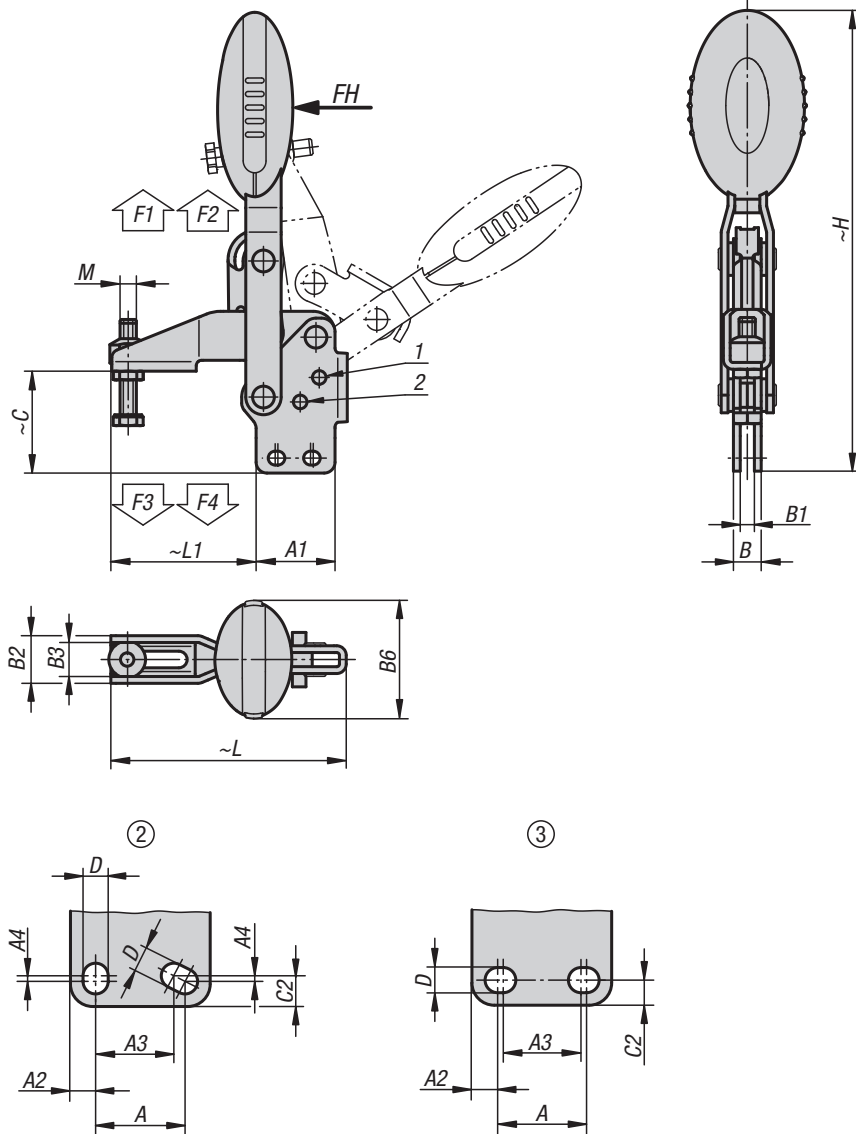
KIP Vertical Toggle Clamps with Safety Interlock with straight foot and adjustable clamping spindle, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0663.006101	56°	83°	141°	46°	56°	160	1350	1650	920	1050
K0663.008101	13°	93°	158°	26°	61°	190	2000	2800	940	1350
K0663.010101	6°	97°	176°	19°	59°	250	2500	4500	1500	2800
K0663.012101	11°	88°	164°	24°	60°	280	3000	5500	1400	2800

Item No.	hole arrangement	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	L	L1
K0663.006101	3	M6x35	14	29	7	12	-	10,2	5,2	17,5	12,5	53,4	37,6	5,5	5,5	175,7	86,5	53
K0663.008101	3	M8x45	21	39	9	19	-	10,2	5,2	20,6	15,6	51,1	49	6,5	6,8	207,6	107	62
K0663.010101	2	M10x55	32	50	8	27	3,5	14,1	7,1	25,5	18,5	56,5	62,3	13	9	254	153	95
K0663.012101	5	M12x70	32	53	10,5	-	-	14,1	7,1	28	21	56,5	69,8	9	8,8	272,1	173,5	113,5

Vertical Toggle Clamps

with straight foot and adjustable clamping spindle, stainless steel



KIPlock



Material:
Stainless steel.
Grip polyamide.

Type:
Natural finish.

Part Number Example:
K0663.105001

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile.

Accessories:
K0106
K0384
K0390
K0392
K0667

Drawing reference:
1) Stop pin Position 1
2) Stop pin Position 2

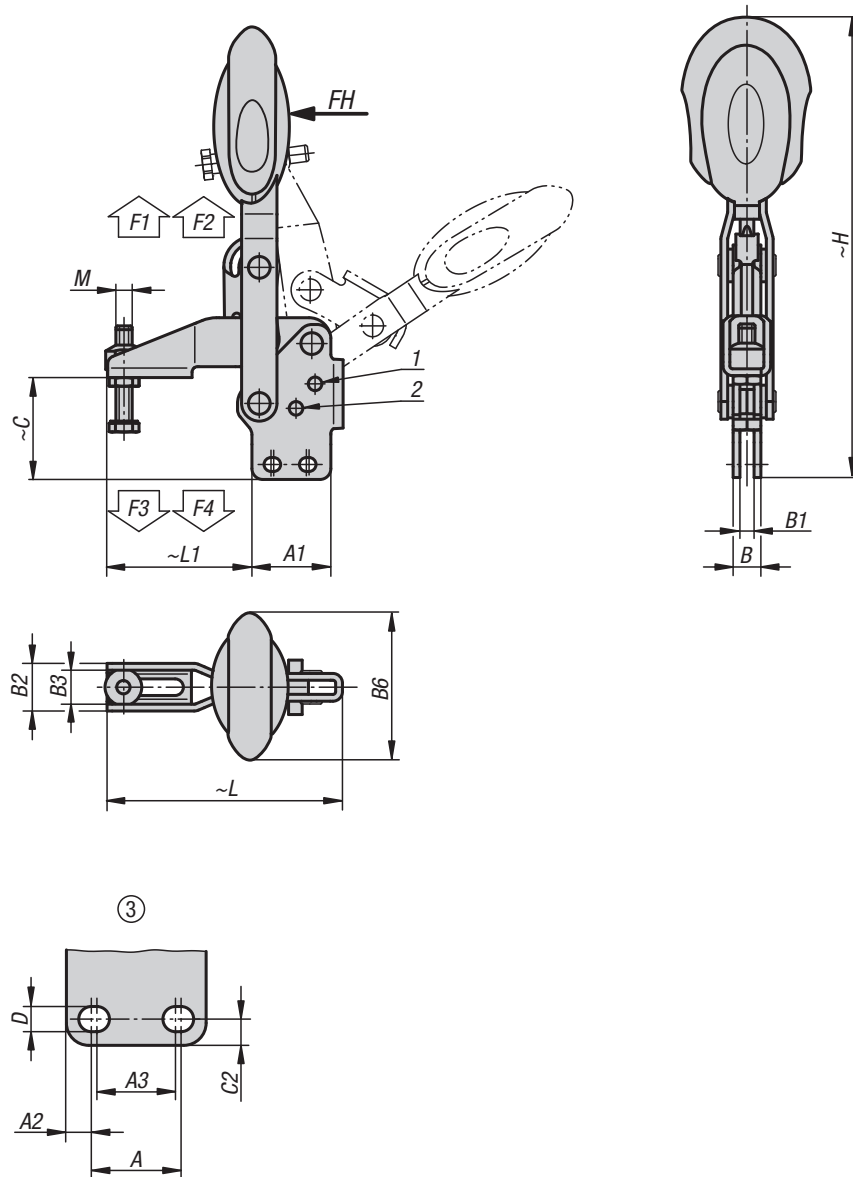
KIPP Vertical Toggle Clamps with straight foot and adjustable clamping spindle, stainless steel, metric

Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0663.105001	100°	-	129°	64°	-	100	750	1050	620	750
K0663.106001	56°	83°	141°	46°	56°	160	1350	1650	920	1050
K0663.108001	13°	93°	158°	26°	61°	190	2000	2800	940	1350

Item No.	hole arrangement	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	D	H	L	L1
K0663.105001	2	M5x25	16	25	4,5	14	1	8,1	4,1	13,2	9,2	22,5	29,8	5,5	4,5	119,2	65,6	35
K0663.106001	3	M6x35	14	29	7	12	-	10,2	5,2	17,5	12,5	43,5	37,6	5,5	5,5	169	86,5	53
K0663.108001	3	M8x45	21	39	9	19	-	10,2	5,2	20,6	15,6	41,5	49	6,5	6,8	200,4	107	62

Vertical Toggle Clamps with Safety Interlock

with straight foot and adjustable clamping spindle, stainless steel



KIPPLock⁺



Material:
Stainless steel.
Grip polyamide.
Unlocking bracket TPE.

Type:
Natural finish.

Part Number Example:
K0663.106101

Note:
Maintenance-free, high-quality swivel bushings. Consistently constant use of force when opening and closing. Optimum stability is achieved through the conical clamping arm with U-profile. Including internal bar lock with automatic safety catch.

Accessories:
K0106
K0384
K0390
K0392
K0667

Drawing reference:
1) Stop pin Position 1
2) Stop pin Position 2

KIPP Vertical Toggle Clamps with Safety Interlock with straight foot and adjustable clamping spindle, stainless steel, metric

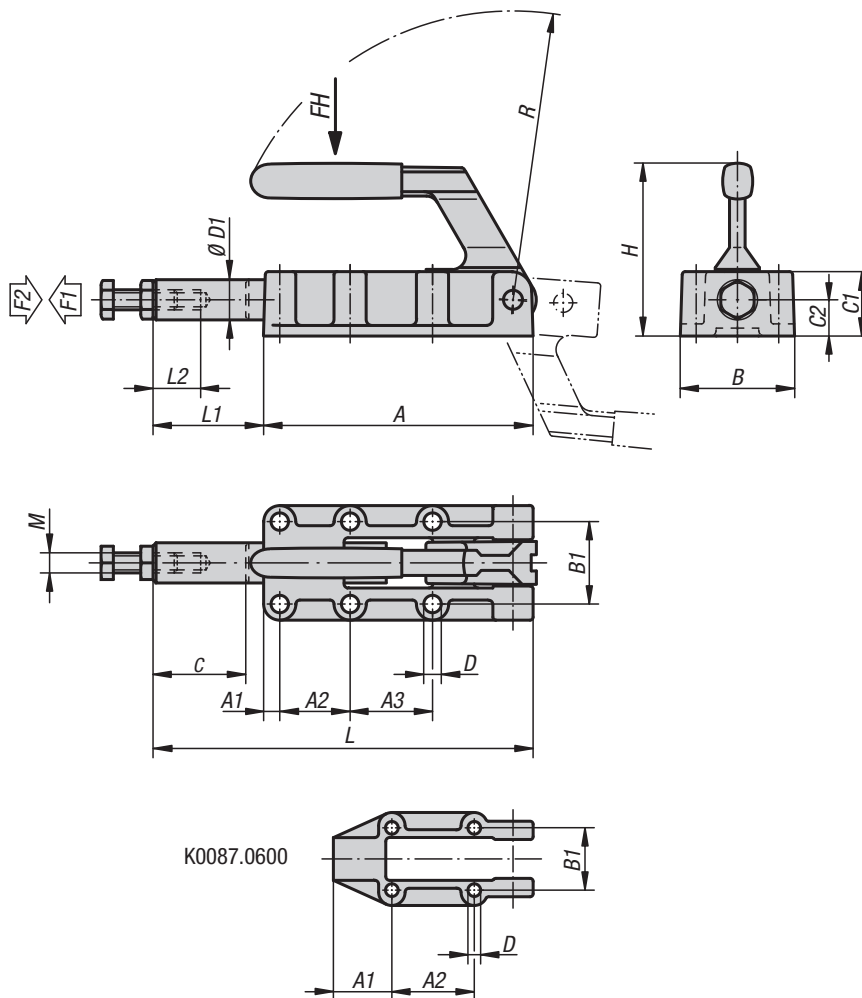
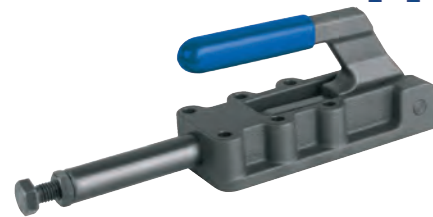
Item No.	Opening angle of holding arm position 1	Opening angle of holding arm position 2	Opening angle of holding arm stop pin removed	Opening angle of handle position 1	Opening angle of handle position 2	Hand force FH N	Retaining force F1 N	Holding force F2 N	Clamping force F3 N	Clamping force F4 N
K0663.106101	56°	83°	141°	46°	56°	160	1350	1650	920	1050
K0663.108101	13°	93°	158°	26°	61°	190	2000	2800	940	1350

Item No.	hole arrangement	M	A	A1	A2	A3	B	B1	B2	B3	B6	C	C2	D	H	L	L1
K0663.106101	3	M6x35	14	29	7	12	10,2	5,2	17,5	12,5	53,4	37,6	5,5	5,5	175,7	86,5	53
K0663.108101	3	M8x45	21	39	9	19	10,2	5,2	20,6	15,6	51,1	49	6,5	6,8	207,6	107	62

Push-Pull Clamps

heavy-duty version with handle

METRIC
Parts



Material:

Steel, body in spheroidal graphite cast iron (GJS)

Type:

Phosphated.
Plastic handle oil-resistant

Part Number Example:

K0087.2500

Note:

The clamps lock in the open and closed handle positions. They can be used for thrust or tension clamping. The clamps have a stroke limitation for advance and retraction.

Accessories:

- K0101
- K0102
- K0103
- K0106

KIPP Push-Pull Clamps heavy-duty version with handle, metric

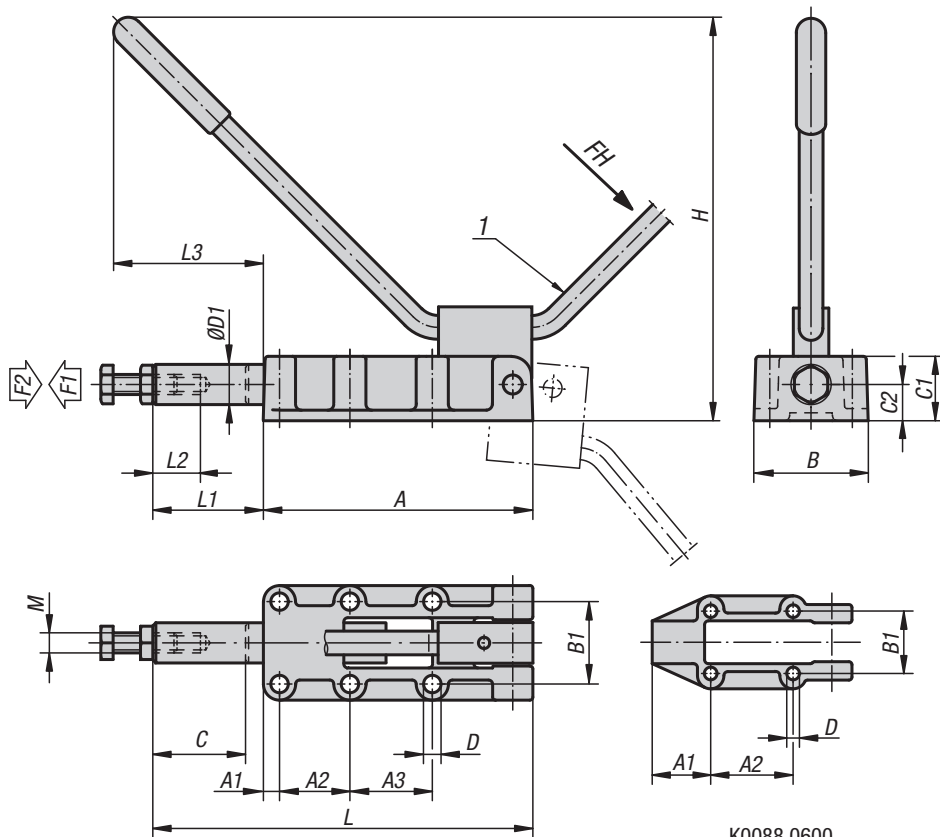
Item No.	Opening angle of handle	Hand force FH N	Holding force F2 N	Clamping force F1 N
K0087.0600	185°	140	6000	3000
K0087.1200	185°	150	12000	5000
K0087.2500	185°	170	25000	5000
K0087.5000	185°	200	50000	7000

Item No.	A	A1	A2	A3	B	B1	C1	C2	D	D1	H	L	L1	L2	M	R	C (travel)
K0087.0600	89	25	36,5	-	46	33,4	23	12	5,5	14	63	127	38	30	M8	95	32
K0087.1200	133	8	35	41	61	41	32	18	8,5	20	88	188	55	40	M10	143	50
K0087.2500	197	11	45	45	82	54	41	22	10,3	25	108	300	103	60	M12	200	75
K0087.5000	254	10	70	70	85	57	50	28	10,3	30	127	390	136	60	M16	245	100

Push-Pull Clamps

heavy-duty version with reversible hand lever

METRIC
Parts



K0088.0600

Material:

Steel, body in spheroidal graphite cast iron (GJS)

Type:

Phosphated, hand lever galvanized and chromated, plastic handle oil-resistant

Part Number Example:

K0088.0600

Note:

The clamps lock in the open and closed handle positions. They can be used for thrust or tension clamping. The clamps have a stroke limitation for advance and retraction.

Accessories:

- K0099
- K0101
- K0102
- K0103
- K0106

Drawing reference:

1) handle can be mounted on right or left

KIPP Push-Pull Clamps heavy-duty version with reversible hand lever, metric

Item No.	A	A1	A2	A3	B	B1	C1	C2	D	D1	H	L	L1	L2	L3	M	C	Hand force (travel)	FH N	Holding force F2 N	Opening angle of handle
K0088.0600	89	25	36,5	-	46	33,4	23	12	5,5	14	127	127	38	30	65	M8	32	140	6000	185°	
K0088.1200	133	8	35	41	61	41	32	18	8,5	20	196	188	55	40	106	M10	50	150	12000	185°	
K0088.2500	197	11	45	45	82	54	41	22	10,3	25	270	300	103	60	125	M12	75	170	25000	185°	
K0088.5000	254	10	70	70	85	57	50	28	10,3	30	360	390	136	60	155	M16	100	200	50000	185°	

Item No.	Conecting rod extended / Clamping force F1 N
K0088.0600	5mm/1100N, 10mm/700N, 15mm/750N, 20mm/800N, 25mm/850N, 30mm/1460N, 31mm/1900N, 32mm/5800N
K0088.1200	5mm/1670N, 10mm/900N, 15mm/730N, 20mm/700N, 25mm/720N, 30mm/850N, 35mm/1000N, 40mm/1100N, 45mm/1500N, 48mm/2200N, 49mm/2900N, 50mm/9300N
K0088.2500	10mm/1000N, 20mm/720N, 30mm/600N, 40mm/700N, 50mm/880N, 60mm/1180N, 70mm/1900N, 72mm/2300N, 74mm/3530N, 75mm/11000N
K0088.5000	10mm/1800N, 20mm/1100N, 30mm/7500N, 40mm/800N, 50mm/820N, 60mm/1000N, 70mm/1000N, 80mm/1300N, 90mm/1900N, 95mm/2500N, 97mm/3100N, 99mm/4500N, 100mm/12100N

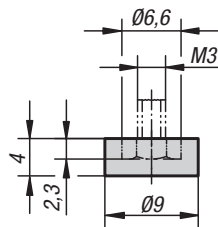
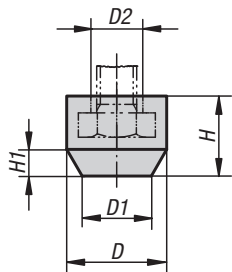
Protective caps



METRIC
Parts

K0106.01 - K0106.05
K0106.07

K0106.06



Material:

K0106.01 to K0106.05 and K0106.07:
oil-resistant rubber;
K0106.06: polyamide

Type:

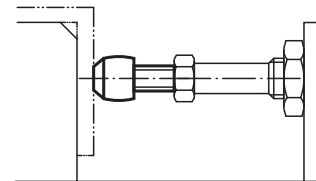
Rubber: black; polyamide: white

Part Number Example:

K0106.03

KIPP Protective caps, metric

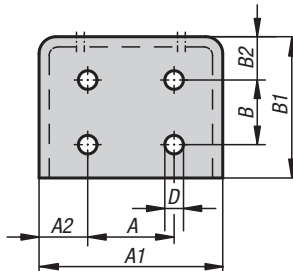
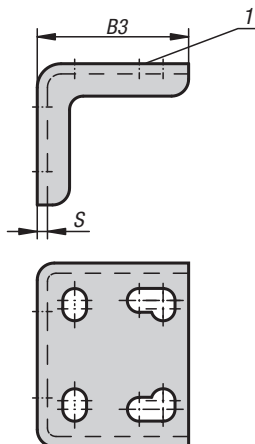
Item No.	D	D1	D2	H	H1	for screws
K0106.06	-	-	-	-	-	M3
K0106.01	11	7	5,5	8,5	4	M4
K0106.02	12,5	8	6,8	10	4	M5
K0106.03	15	10	8,5	12	4	M6
K0106.04	19	13	11,3	15	6	M8
K0106.07	23	15	14,5	18	7	M10
K0106.05	26	19	16,5	20	7	M12



K0098

Angle Brackets

METRIC
Parts



Material:

Steel.

Type:

Galvanized and chromated

Part Number Example:

K0098.02

Note:

The Angle Brackets make possible head end mounting for Quick-Acting Clamps.

Drawing reference:

1) mount clamp on this face

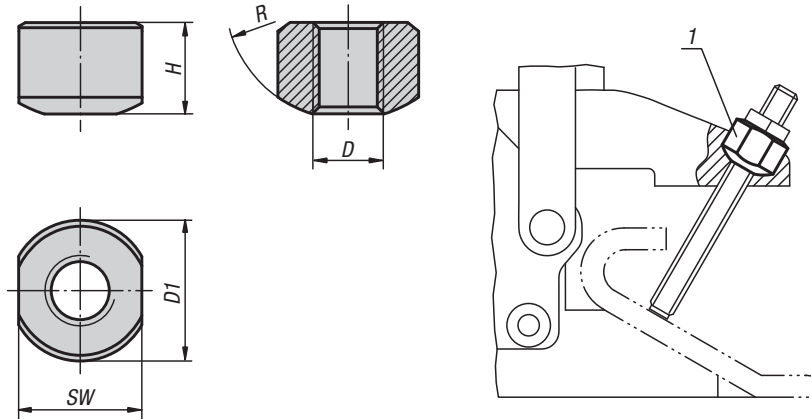
KIPP Angle Brackets, metric

Item No.	A	A1	A2	B	B1	B2	B3	D	S
K0098.02	18	43	12,5	15	36,5	13,5	29,5	5	2
K0098.04	25,4	54	14,2	19	41,5	12,7	44,5	5,5	3
K0098.06	44	76	16	32	62	21	66	8,6	4

Spherical Seating Nuts



METRIC
Parts



Material:
Steel.

Type:
Black oxide finish.

Part Number Example:
K0664.04

Drawing reference:
1) Weldable

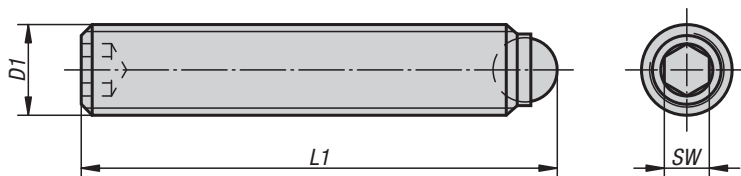
KIPP Spherical Seating Nuts, metric

Item No.	Base material	D	H	D1	SW	R
K0664.04	Steel	M4	5,2	8	7	7
K0664.05	Steel	M5	6,7	10	9	9
K0664.06	Steel	M6	9,5	13,5	12,2	10
K0664.08	Steel	M8	12,8	18	15,3	12
K0664.10	Steel	M10	12,1	20	18,2	14
K0664.12	Steel	M12	14,8	23	20	16

Ball-end Thrust Screws

without head, with full ball

METRIC
Parts



Material:

Screw tempered steel, quality class 10.9.
Ball in ball-bearing steel.

Type:

Screw black.
Ball hardened and natural finish.

Part Number Example:

K0383.10650

KIPP Ball-end Thrust Screws without head, with full ball, metric

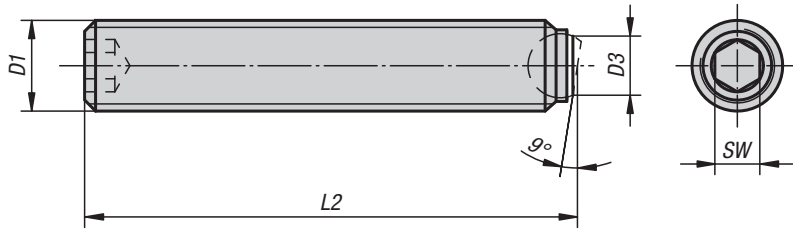
Item No.	D1	L1	Ball-Ø	SW	Load rating max. kN (static load only)
K0383.10650	M6	50,8	4	3	9
K0383.10660	M6	60,8	4	3	9
K0383.10850	M8	51,2	5,5	4	15
K0383.10860	M8	61,2	5,5	4	15
K0383.10880	M8	81,2	5,5	4	15

Ball-end Thrust Screws

without head, with flattened ball



METRIC
Parts



Material:

Screw tempered steel, quality class 10.9.
Ball in ball-bearing steel.

Type:

Screw black.
Ball hardened and natural finish.

Part Number Example:

K0383.20650

KIPP Ball-end Thrust Screws without head, with flattened ball, metric

Item No.	D1	L2	D3	Ball-Ø	SW	Load rating max. kN (static load only)
K0383.20650	M6	50,1	3	4	3	9
K0383.20660	M6	60,1	3	4	3	9
K0383.20850	M8	50,3	4,1	5,5	4	15
K0383.20860	M8	60,3	4,1	5,5	4	15
K0383.20880	M8	80,3	4,1	5,5	4	15

Thrust Screws

METRIC
Parts**Material:**

Screw quality class 10.9.
Bolt brass or POM.

Type:

Screw black oxide finish.

Part Number Example:

K0389.04X305
(include length L)

Note:

The brass pin is pressed into the thrust screw.
Thrust Screws are particularly suitable for clamping
or exerting pressure on threaded spindles, axles,
shafts and treated surfaces without marring.

KIPP Thrust Screws, metric

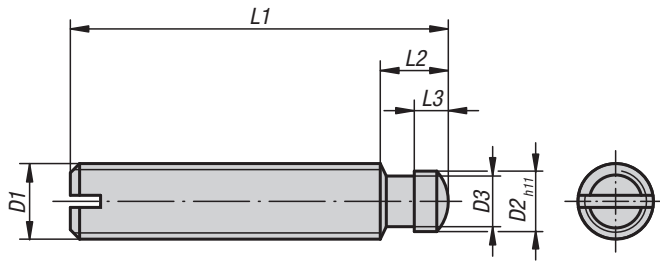
Item No. bolt brass	D	D1	SW	L
K0389.04X	M4	2,5	2	30,5/40,5
K0389.05X	M5	3	2,5	30,5/40,5
K0389.06X	M6	4	3	41,5/51,5/61,5
K0389.08X	M8	5,5	4	52/62/82
K0389.10X	M10	7	5	52/62/82
K0389.12X	M12	8,5	6	52,5/62,5/82,5

Item No. bolt POM	D	D1	SW	L
K0389.104X	M4	2	2	31/41
K0389.105X	M5	3	2,5	31/41
K0389.106X	M6	3,5	3	41,3/51,3/61,3
K0389.108X	M8	5	4	51,6/61,6/81,6
K0389.110X	M10	6,5	5	51,9/61,9/81,9
K0389.112X	M12	8	6	52,1/62,1/82,1

Grub Screws

with thrust point to DIN 6332

METRIC
Parts



Material:

Steel or stainless steel

Type:

Steel: thrust point case-hardened, black.
Stainless steel: natural finish.

Part Number Example:

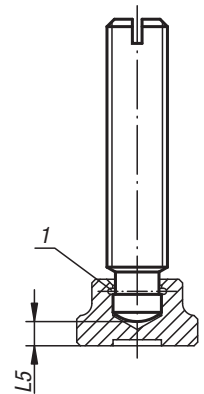
K0390.12X60
(include length L1)

Note:

The thrust journal of the Grub Screws to DIN 6332 is designed for direct clamping as well as for use in conjunction with a Thrust Pad K0392.

Drawing reference:

1) snap ring



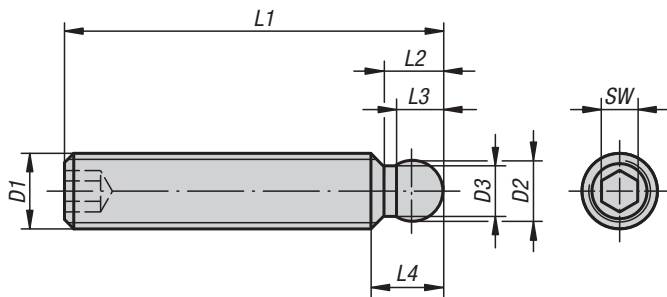
KIPP Grub Screws with thrust point to DIN 6332, metric

Item No. Steel	Item No. Stainless steel	D1	L1	D2	D3	L2	L3	L5
K0390.06X	K0390.061X	M6	30/35/40/50	4,5	4	6	2,5	2,2
K0390.08X	K0390.081X	M8	35/40/45/50/60	6	5,4	7,5	3	3
K0390.10X	K0390.101X	M10	50/55/60/65/80	8	7,2	9	4,5	3,6
K0390.12X	K0390.121X	M12	60/65/70/80/100	8	7,2	10	4,5	4,5

Grub Screws

with ball thrust point

METRIC
Parts



Material:

Quality class 5.8.

Type:

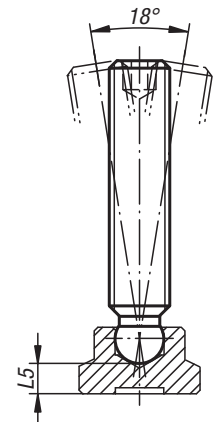
Black oxide finish.

Part Number Example:

K0391.06X50
(include length L1)

Note:

The Grub Screws are used in conjunction with a Thrust Pad K0393.



KIPP Grub Screws with ball thrust point, metric

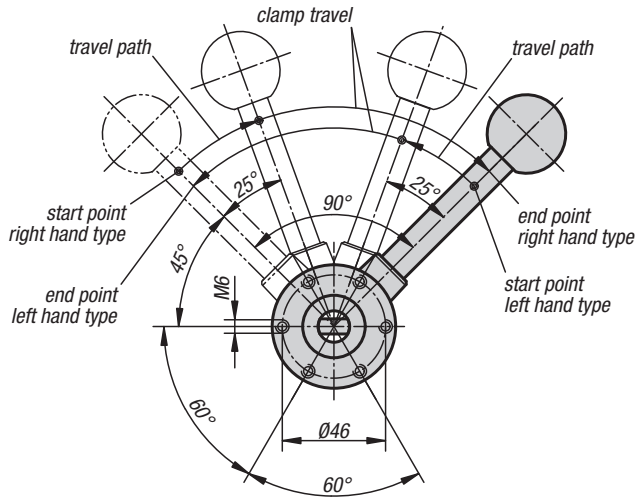
Item No.	D1	L1	D2	D3	L2	L3	L4	L5	SW
K0391.06X	M6	30/35/40/50	4,5	3,5	4,3	3,7	5,5	3,8	3
K0391.08X	M8	35/40/45/50/60	6	4,8	5,8	4,8	7,4	4,4	4
K0391.10X	M10	50/55/60/65/80	8	6,5	7,2	6,3	9	5	5
K0391.12X	M12	60/65/70/80	8	6,5	7,2	6,3	9,8	6,9	6

"Actima" Clamping Device



METRIC
Parts

View from below



Material:

Steel;
housing thermoplastic;
ball knob Duroplast PF 31;
accessories steel.

Type:

Black oxide finish;
housing black;
ball knob red;
accessories black oxide finish.

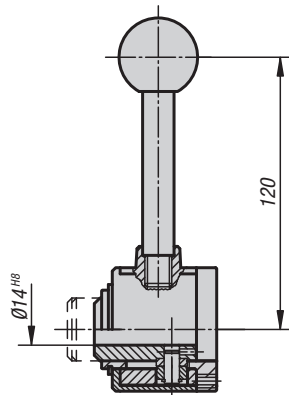
Part Number Example:

K0020.10

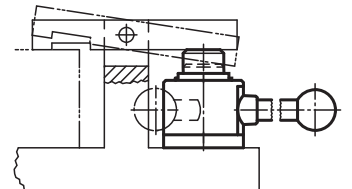
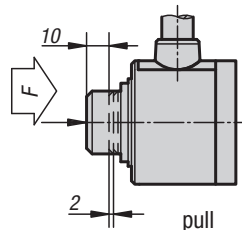
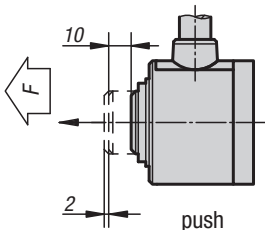
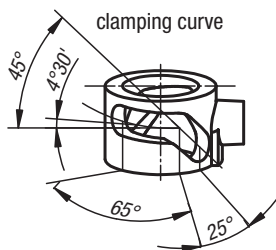
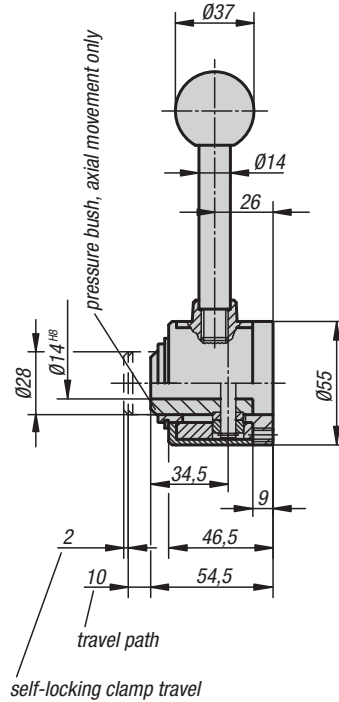
Note:

The travel path is 10 mm. Self-locking occurs in any position within only 2 mm of clamp travel. Thus workpieces with tolerances of up to 1.5 mm can be safely clamped. The "Actima" Clamping Device can be fitted in any horizontal or vertical position. Standard parts allow further applications. They are available as optional accessories. All parts of the cam system subject to heavy loads are case-hardened (pressure sleeve and accessories only if specified). The maximum permissible clamping force is approximately 4905 N.

drilled through



with transverse axis in bore



"Actima" Clamping Device



KIPP "Actima" Clamping Device with transverse axis in the hole, metric

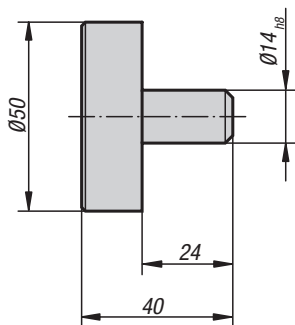
Item No.	Version
K0020.10	right-hand / thrust
K0020.15	right-hand / pull
K0020.20	left-hand / thrust
K0020.25	left-hand / pull

KIPP "Actima" Clamping Device with through hole, metric

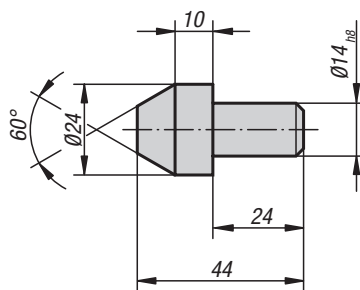
Item No.	Version
K0020.30	right-hand / thrust
K0020.35	right-hand / pull
K0020.40	left-hand / thrust
K0020.45	left-hand / pull

KIPP "Actima" Accessories, metric

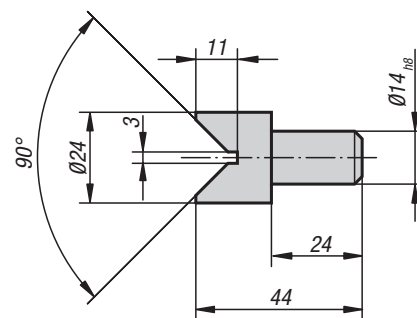
Item No.	Designation abbreviation
K0020.02	Plate
K0020.03	Cone
K0020.04	Prism



Plate



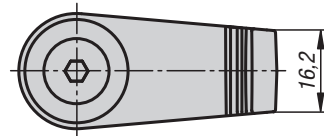
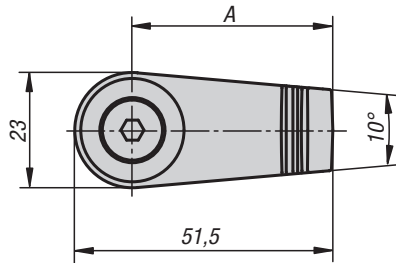
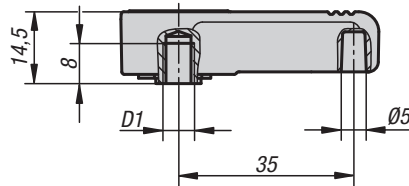
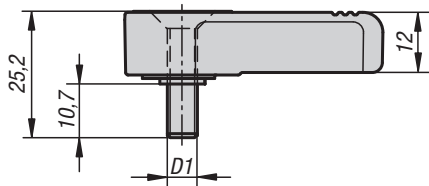
Cone



Prism

Stop latch

METRIC
Parts



Material:

Housing die-cast zinc, powder-coated.
Pin steel 1.0718.
Washer plastic.
Circlip spring steel.
Countersunk screw steel quality class 8.8.

Type:

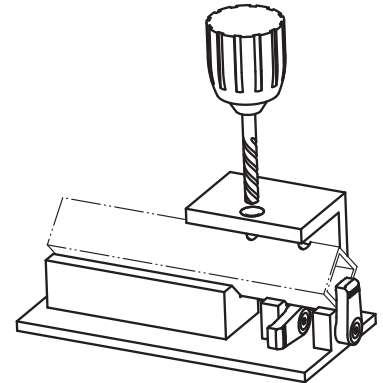
Housing black or red.
Pin blue chromate.
Circlip, countersunk screw, black.

Part Number Example:

K0271.140061

Note:

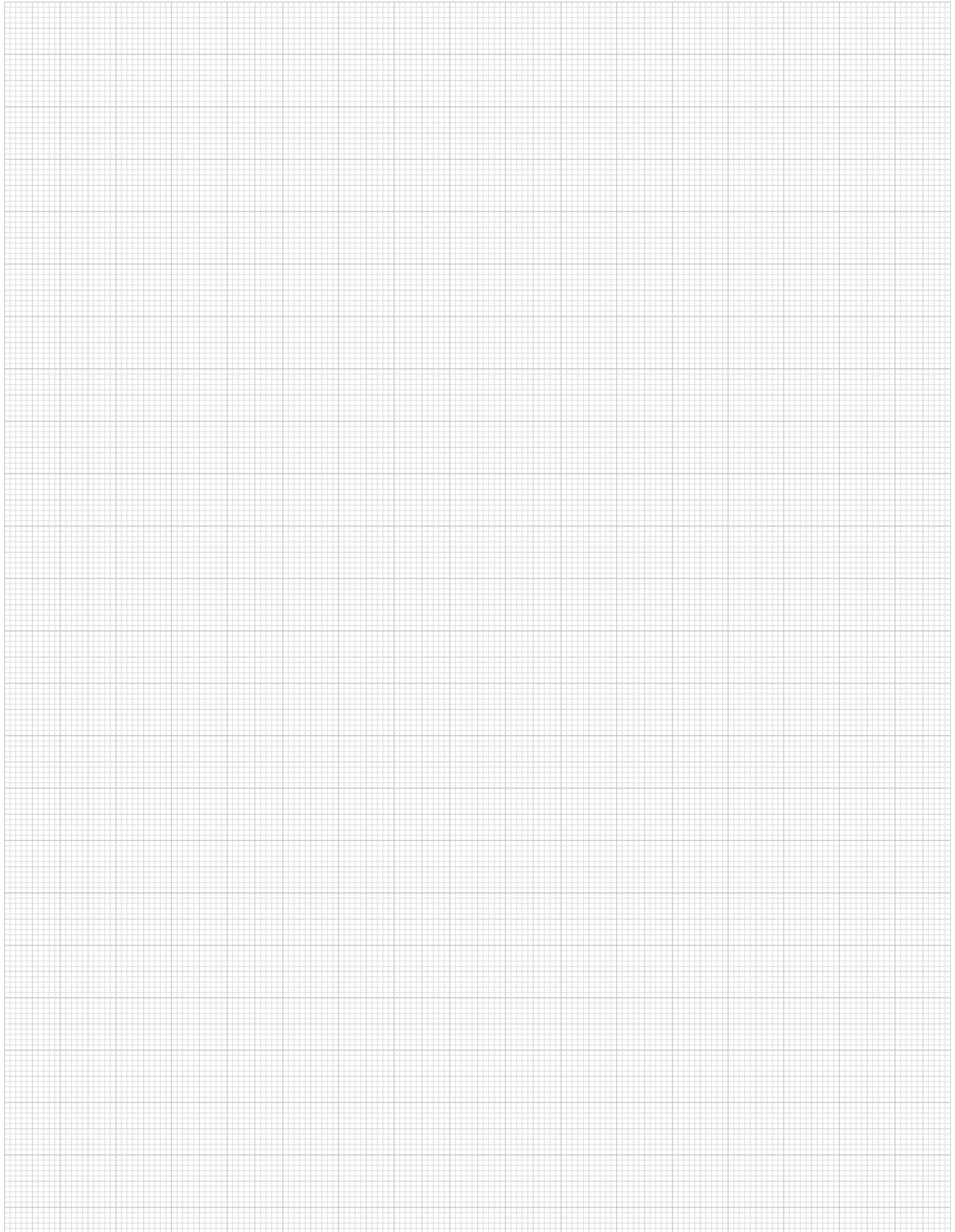
Engagement every 90°.
Please order profile adapter plate separately.
Can be used with external and internal threads.



KIPP Stop latch, metric

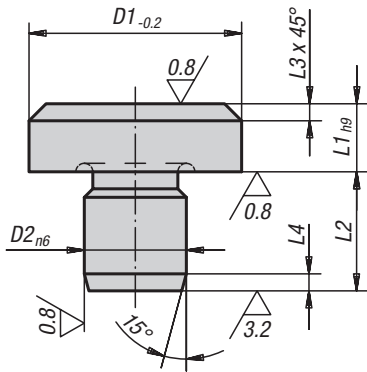
Item No.	Base color	Version	A	D1
K0271.140062	Red	internal thread	40	M6
K0271.140061	black	internal thread	40	M6
K0271.140062X10	Red	external thread	40	M6
K0271.140061X10	black	external thread	40	M6

Notes:



Thrust Bolts

METRIC
Parts

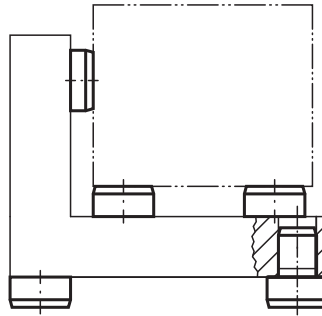


Material:
Tool steel.

Type:
Hardened and ground,
support surface without centering

Part Number Example:
K0292.041

Note:
If more than one thrust bolt is used, the support height can be reground. Thrust bolts can also be used as feet for jigs and fixtures.



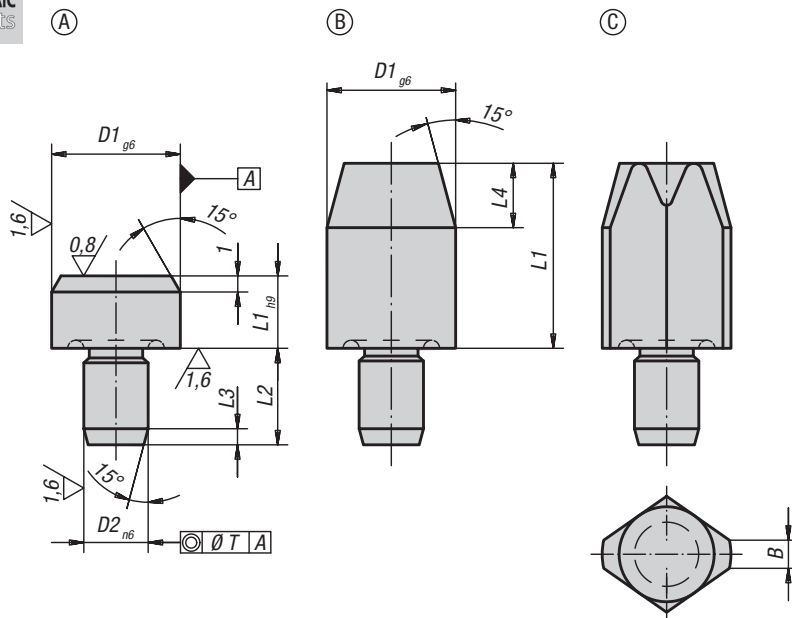
KIPP Thrust Bolts, metric

Item No.	D1	L1	D2	L2	L3	L4
K0292.041	6	2,5	4	6,5	0,7	1,2
K0292.042	6	4,5	4	8,5	0,7	1,2
K0292.04	6	5	4	6	0,7	1,2
K0292.061	10	4,5	6	8,5	0,9	1,5
K0292.06	10	8	6	8,5	0,9	1,5
K0292.08	16	5	8	10	2	2
K0292.081	16	13	8	10	2	2
K0292.10	20	6	10	12	2	2
K0292.101	20	12	10	12	2	2
K0292.12	25	8	12	14	2	2
K0292.122	25	20	12	14	2	2
K0292.123	25	30	12	14	2	2
K0292.16	30	25	16	20	2,5	2,5
K0292.164	30	40	16	20	2,5	2,5
K0292.165	30	50	16	20	2,5	2,5
K0292.166	30	65	16	20	2,5	2,5
K0292.20	30	80	20	20	2,5	2,5
K0292.201	30	100	20	20	2,5	2,5
K0292.202	40	13	20	20	3,2	3,2
K0292.203	40	32	20	20	3,2	3,2

Straight and Thrust Bolts

DIN 6321 (Edition 1973)

METRIC
Parts



Material:
Tool steel.

Type:
Hardened and ground

Part Number Example:
K0293.212

Note:
Thrust Bolts Style A are supports for workpieces and fixtures.
Straight Bolts Style B are for positioning workpieces and fixture components in reamed holes.
The flattened Style C can be used to bridge tolerances in hole spacing or to secure the part to be positioned in one direction only.
Styles A and B can also be used as hardened stops and as fixture feet.
For similar bolts see K0352, K0353, K0354 and K0355.

Drawing reference:
Style A: Rest pad
Style B: Cylindrical locating pin
Style C: Flattened locating pin

Other dimensions see Style A.

KIPP Thrust Bolts, Style A, metric

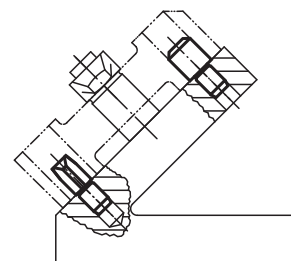
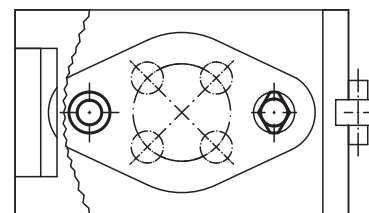
Item No. without centrebore	D1	L1	D2	L2	L3	T
K0293.106	6	5	4	6	1,2	0,02
K0293.110	10	6	6	9	1,6	0,02
K0293.116	16	8	8	12	2	0,04
K0293.125	25	10	12	18	2,5	0,04

KIPP Cylindrical Straight Bolts, Style B, metric

Item No. short	Item No. long	D1	L1	D2	L2	L3	L4	T
K0293.206	K0293.306	6	7/12	4	6	1,2	4	0,02
K0293.208	K0293.308	8	10/16	6	9	1,6	6	0,02
K0293.210	K0293.310	10	10/18	6	9	1,6	6	0,02
K0293.212	K0293.312	12	10/18	6	9	1,6	6	0,02
K0293.216	K0293.316	16	13/22	8	12	2	8	0,04
K0293.220	K0293.320	20	15/25	12	18	2	9	0,04
K0293.225	K0293.325	25	15/25	12	18	2,5	9	0,04

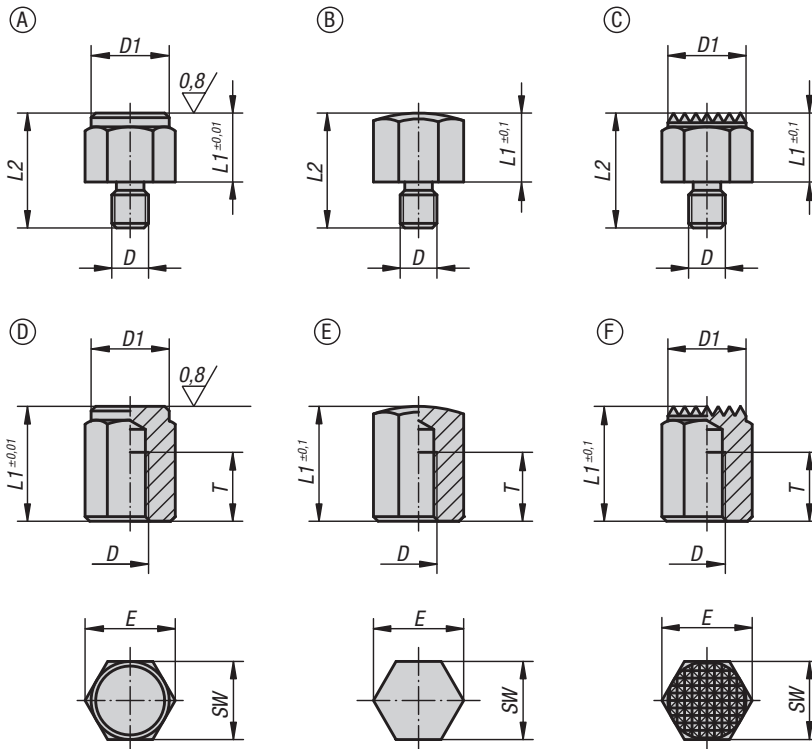
KIPP Flattened Straight Bolts, Style C, metric

Item No. short	Item No. long	D1	L1	D2	L2	L3	L4	B	T
K0293.406	K0293.506	6	7/12	4	6	1,2	4	1	0,02
K0293.408	K0293.508	8	10/16	6	9	1,6	6	1,6	0,02
K0293.410	K0293.510	10	10/18	6	9	1,6	6	2,5	0,02
K0293.412	K0293.512	12	10/18	6	9	1,6	6	2,5	0,02
K0293.416	K0293.516	16	13/22	8	12	2	8	3,5	0,04
K0293.420	K0293.520	20	15/25	12	18	2	9	5	0,04
K0293.425	K0293.525	25	15/25	12	18	2,5	9	5	0,04



Positioning Feet

METRIC
Parts



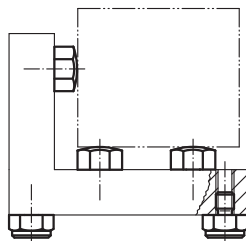
Material:
Free-cutting steel.

Type:
Case-hardened with black oxide finish.

Part Number Example:
K0298.215

Note:
Positioning Feet are used as supports, stops and thrust pads for fixtures and general machine and appliance construction.

Drawing reference:
Style A: External thread and smooth face
Style B: External thread and spherical face
Style C: External thread and serrated face
Style D: Internal thread and smooth face
Style E: Internal thread and spherical face
Style F: Internal thread and serrated face



KIPP Positioning Feet with external thread, metric

Item No. Style A	Item No. Style B	Item No. Style C	D	L1	D1	L2	E	SW	Tightening torque max. Nm
K0298.1101	K0298.2101	K0298.3101	M8	10	17/-17	20	19,4	17	18
K0298.110	K0298.210	K0298.310	M12	10	22/-22	24	25,2	22	60
K0298.115	K0298.215	K0298.315	M12	15	22/-22	29	25,2	22	60
K0298.1151	K0298.2151	K0298.3151	M16	15	30/-30	34	33	30	140
K0298.1201	K0298.2201	K0298.3201	M16	20	30/-30	39	33	30	140

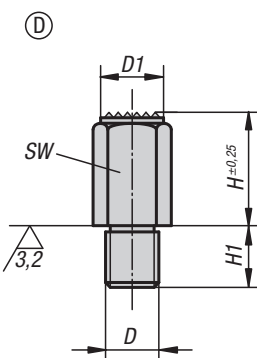
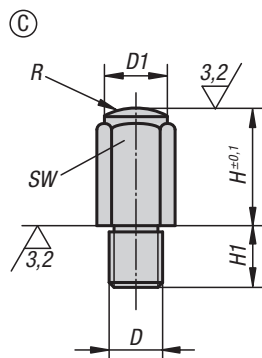
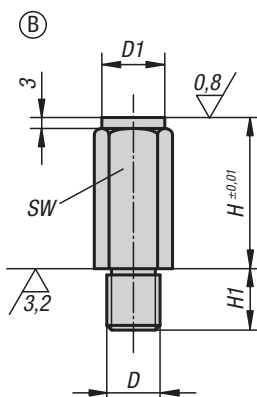
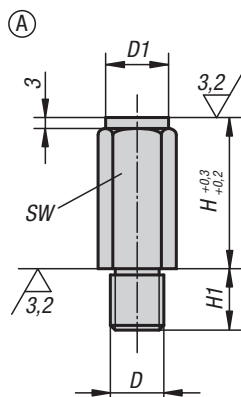
KIPP Positioning Feet with internal thread, metric

Item No. Style D	Item No. Style E	Item No. Style F	D	L1	D1	T	E	SW
K0298.415	K0298.515	K0298.615	M8	15	17/-17	6	19,4	17
K0298.4251	K0298.5251	K0298.6251	M8	25	17/-17	16	19,4	17
K0298.420	K0298.520	K0298.620	M12	20	22/-22	10	25,2	22
K0298.425	K0298.525	K0298.625	M12	25	22/-22	15	25,2	22
K0298.430	K0298.530	K0298.630	M12	30	22/-22	20	25,2	22
K0298.440	K0298.540	K0298.640	M12	40	22/-22	25	25,2	22
K0298.450	K0298.550	K0298.650	M12	50	22/-22	25	25,2	22
K0298.4301	K0298.5301	K0298.6301	M16	30	30/-30	20	33	30
K0298.4501	K0298.5501	K0298.6501	M16	50	30/-30	25	33	30

Positioning Feet



METRIC
Parts



Material:
Body in tempered steel.

Type:
Body heat-treated with black oxide finish.
Support surfaces case-hardened.

Part Number Example:
K0299.106010

Note:
The positioning feet act as supports for rough and machined parts and as stops. They can also be integrated into standard clamping or support elements.

Drawing reference:
Style A: Flat face hardened
Style B: Flat face hardened and ground
Style C: Spherical face hardened
Style D: Serrated face tempered

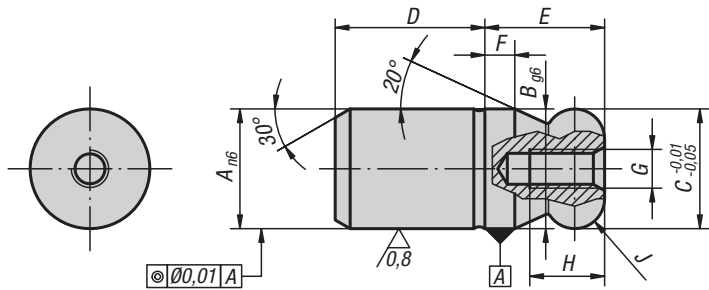
KIPP Positioning Feet, metric

Item No. Style A	Item No. Style B	Item No. Style C	Item No. Style D	D	D1	H	H1	R	SW
K0299.106010	K0299.206010	K0299.306010	K0299.406010	M6	10	10	11	-/-15/-	10
K0299.106020	K0299.206020	K0299.306020	K0299.406020	M6	10	20	11	-/-15/-	10
K0299.108010	K0299.208010	K0299.308010	-	M8	13	10	13	-/-20	13
K0299.108015	K0299.208015	K0299.308015	K0299.408015	M8	13	15	13	-/-20/-	13
K0299.108030	K0299.208030	K0299.308030	K0299.408030	M8	13	30	13	-/-20/-	13
K0299.110010	K0299.210010	K0299.310010	-	M10	17	10	16	-/-30	17
K0299.110020	K0299.210020	K0299.310020	K0299.410020	M10	17	20	16	-/-30/-	17
K0299.110040	K0299.210040	K0299.310040	K0299.410040	M10	17	40	16	-/-30/-	17
K0299.112010	K0299.212010	K0299.312010	-	M12	19	10	20	-/-40	19
K0299.112025	K0299.212025	K0299.312025	K0299.412025	M12	19	25	20	-/-35/-	19
K0299.112050	K0299.212050	K0299.312050	K0299.412050	M12	19	50	20	-/-35/-	19
K0299.116015	K0299.216015	K0299.316015	-	M16	27	15	24	-/-50	27
K0299.116030	K0299.216030	K0299.316030	K0299.416030	M16	27	30	24	-/-50/-	27
K0299.116060	K0299.216060	K0299.316060	K0299.416060	M16	27	60	24	-/-50/-	27
K0299.120040	K0299.220040	K0299.320040	K0299.420040	M20	32	40	29	-/-60/-	32
K0299.120080	K0299.220080	K0299.320080	K0299.420080	M20	32	80	29	-/-60/-	32

Locating Components

with ball end, Style A

METRIC
Parts



Material:

Tool steel or stainless steel 1.4305.

Type:

Steel hardened and ground.
Stainless steel ground and kolsterized.

Part Number Example:

K0350.12

Note:

Ball end locating pins are specially designed to ease the locating process. The tendency to jam, caused by the locating hole not being at right angles to the pin or by the pushing force not being parallel to the pin axis, is minimized by the ball end form. (See the illustration for K0351 Style B)

KIPP Locating Components with ball end, Style A, metric

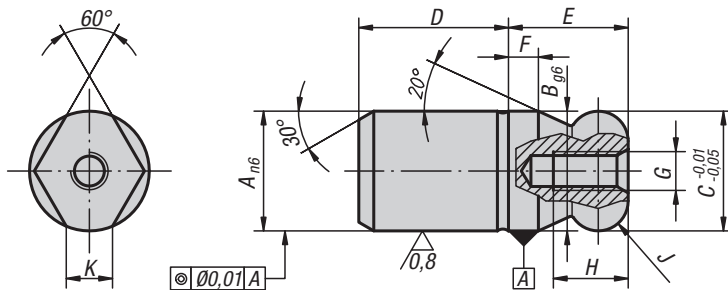
Item No. Tool steel	Item No. Stainless steel	A	B	C	D	E	F	G	H	J
K0350.08	K0350.508	8	8	8	10	8	2	M3	6	R 2
K0350.10	K0350.510	10	10	10	13	10	2,5	M3	6	R 2,5
K0350.12	K0350.512	12	12	12	15	12	3	M4	8	R 3
K0350.16	K0350.516	16	16	16	20	16	4	M5	10	R 4
K0350.20	K0350.520	20	20	20	25	20	5	M5	10	R 5
K0350.25	-	25	25	25	25	25	6	M5	10	R 6
K0350.30	-	30	30	30	30	30	8	M6	12	R 8
K0350.40	-	40	40	40	40	40	10	M6	12	R 10
K0350.50	-	50	50	50	50	50	12	M6	12	R 12

Locating Components

with flattened ball end, Style C



METRIC
Parts



Material:

Tool steel or stainless steel 1.4305

Type:

Steel hardened and ground.
Stainless steel ground and kolsterized.

Part Number Example:

K0350.162

Note:

Ball end locating pins are specially designed to ease the locating process. The tendency to jam, caused by the locating hole not being at right angles to the pin or by the pushing force not being parallel to the pin axis, is minimized by the ball end form. (See the illustration for K0351 Style B)

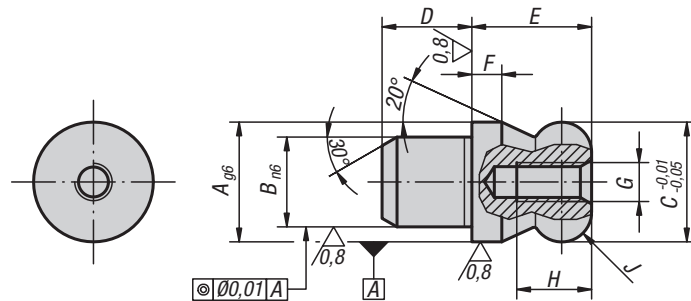
KIPP Locating Components with flattened ball end, Style C, metric

Item No. Tool steel	Item No. Stainless steel	A	B	C	D	E	F	G	H	J	K
K0350.082	K0350.5082	8	8	8	10	8	2	M3	6	R 2	1,9
K0350.102	K0350.5102	10	10	10	13	10	2,5	M3	6	R 2,5	2,5
K0350.122	K0350.5122	12	12	12	15	12	3	M4	8	R 3	2,5
K0350.162	K0350.5162	16	16	16	20	16	4	M5	10	R 4	4,3
K0350.202	K0350.5202	20	20	20	25	20	5	M5	10	R 5	5
K0350.252	-	25	25	25	25	25	6	M5	10	R 6	5,6
K0350.302	-	30	30	30	30	30	8	M6	12	R 8	8,8
K0350.402	-	40	40	40	40	40	10	M6	12	R 10	12,8
K0350.502	-	50	50	50	50	50	12	M6	12	R 12	16,7

Locating Components

with ball end, Style B

METRIC
Parts



Material:

Tool steel or stainless steel 1.4305.

Type:

Steel hardened and ground.
Stainless steel ground and kolsterized.

Part Number Example:

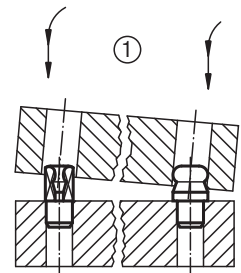
K0351.20

Note:

Ball end locating pins are specially designed to ease the locating process. The tendency to jam, caused by the locating hole not being at right angles to the pin or by the pushing force not being parallel to the pin axis, is minimized by the ball end form (see illustration 1).

Drawing reference:

mounting
illustration



KIPP Locating Components with ball end, Style B, metric

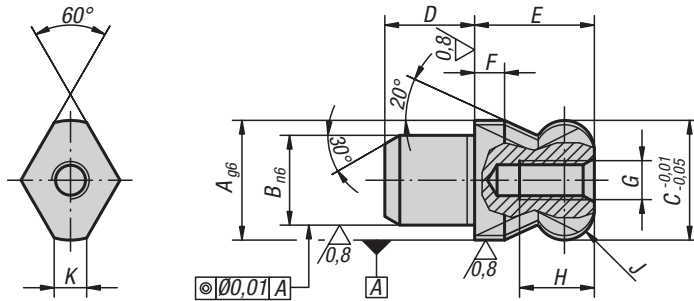
Item No. Tool steel	Item No. Stainless steel	A	B	C	D	E	F	G	H	J
K0351.10	K0351.510	10	7	10	7	10	2,5	M3	6	R 2,5
K0351.12	K0351.512	12	8	12	8	12	3	M4	8	R 3
K0351.16	K0351.516	16	12	16	12	16	4	M5	10	R 4
K0351.20	K0351.520	20	14	20	14	20	5	M5	10	R 5
K0351.22	-	22	16	22	16	22	5,5	M5	10	R 5,5
K0351.25	-	25	18	25	18	25	6	M5	10	R 6

Locating Components

with flattened ball end, Style D



METRIC
Parts



Material:

Tool steel or stainless steel 1.4305.

Type:

Steel hardened and ground.
Stainless steel ground and kolsterized.

Part Number Example:

K0351.162

Note:

Ball end locating pins are specially designed to ease the locating process. The tendency to jam, caused by the locating hole not being at right angles to the pin or by the pushing force not being parallel to the pin axis, is minimized by the ball end form. (See the illustration for K0351 Style B)

KIPP Locating Components with flattened ball end, Style D, metric

Item No. Tool steel	Item No. Stainless steel	A	B	C	D	E	F	G	H	J	K
K0351.102	K0351.5102	10	7	10	7	10	2,5	M3	6	R 2,5	2,5
K0351.122	K0351.5122	12	8	12	8	12	3	M4	8	R 3	2,5
K0351.162	K0351.5162	16	12	16	12	16	4	M5	10	R 4	4,3
K0351.202	K0351.5202	20	14	20	14	20	5	M5	10	R 5	5
K0351.222	-	22	16	22	16	22	5,5	M5	10	R 5,5	5
K0351.252	-	25	18	25	18	25	6	M5	10	R 6	5,6

Cylindrical Positioning Pins

METRIC
Parts



Material:

Tool steel.

Type:

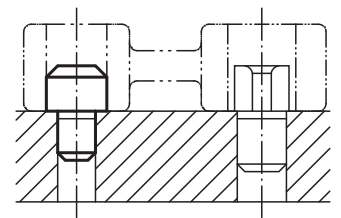
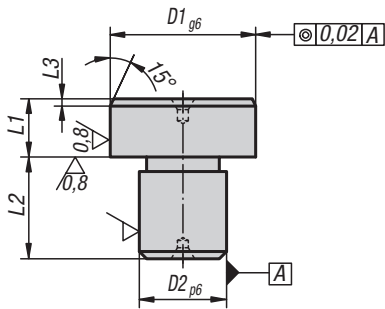
Hardened and ground.

Part Number Example:

K0352.08

Note:

Face surfaces with center hole.



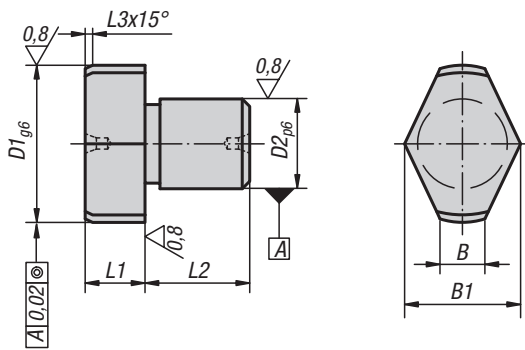
KIPP Cylindrical Positioning Pins, ground, metric

Item No.	D1	D2	L1	L2	L3
K0352.05	8	5	8	8	2
K0352.07	10	7	8	8	2
K0352.08	12	8	8	10	2
K0352.081	14	8	8	10	3
K0352.09	16	9	8	12	3
K0352.12	18	12	8	12	3
K0352.121	20	12	8	14	3
K0352.14	22	14	8	14	3
K0352.16	25	16	8	16	3

Free-Milled Positioning Pins



METRIC
Parts

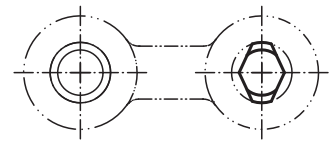


Material:
Tool steel.

Type:
Hardened and ground.

Part Number Example:
K0354.08

Note:
Face surfaces with center hole.



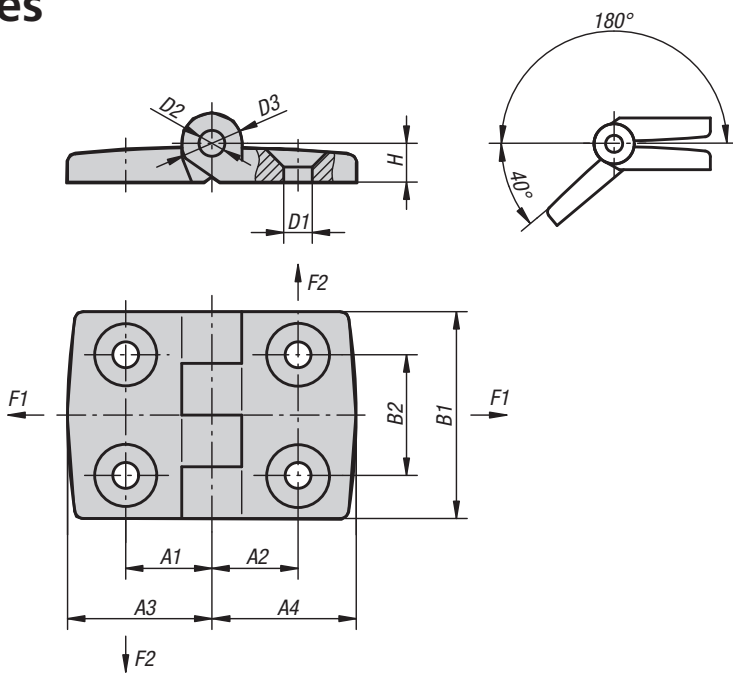
KIPP Free-Milled Positioning Pins, ground, metric

Item No.	D1	D2	L1	L2	L3	B	B1
K0354.05	8	5	8	8	2	2	6,6
K0354.07	10	7	8	8	2	3,0	8,6
K0354.08	12	8	8	10	2	3,0	9,8
K0354.081	14	8	8	10	3	3,5	11,2
K0354.09	16	9	8	12	3	4	13,2
K0354.12	18	12	8	12	3	4,5	14,7
K0354.121	20	12	8	14	3	5	16,6
K0354.14	22	14	8	14	3	5,6	18
K0354.16	25	16	8	16	3	6	19,8

Hinges

plastic

METRIC
Parts



Material:

Fiberglass reinforced thermoplastic.
Hinge pin stainless steel.

Type:

Hinge black.
Pin natural finish.

Part Number Example:

K0435.251528

Note:

Unequal leaf hinges can be mounted left or right.
All hinges can be supplied on request with guide tabs for the slots of aluminum profiles (slots 6, 8 and 10).
They facilitate mounting, secure the hinge against twisting and make it stronger.

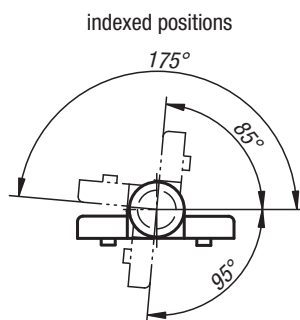
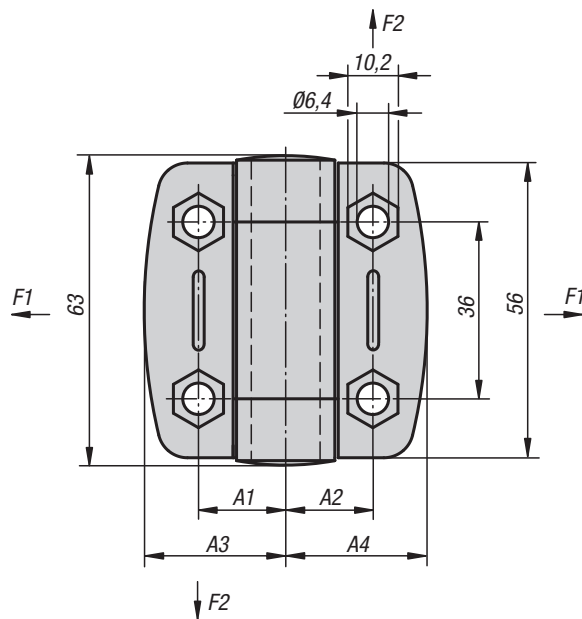
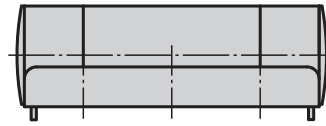
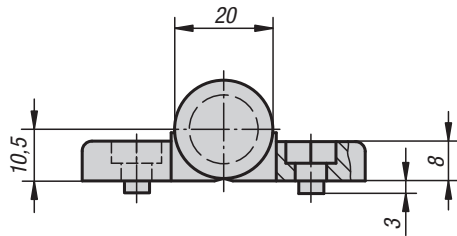
KIPP Hinges plastic, metric

Item No.	A1	A2	A3	A4	B1	B2	D1	D2	D3	H	F1 max. kN	F2 max. kN
K0435.201212	11,5	11,5	19,5	19,5	30	14	4,2	3	8	5,5	0,4	0,2
K0435.251515	15	15	26	26	48	28	6,6	6	14	9	0,625	0,425
K0435.251518	15	17,5	26	29,5	48	28	6,6	6	14	9	0,7	0,5
K0435.251520	15	20	26	35,5	48	28	6,6	6	14	9	0,7	0,4
K0435.251523	15	22,5	26	38,5	48	28	6,6	6	14	9	0,8	0,35
K0435.251525	15	25	26	43,5	48	28	6,6	6	14	9	0,8	0,325
K0435.251528	15	27,5	26	48,5	48	28	6,6	6	14	9	0,8	0,32
K0435.251533	15	32,5	26	57,5	48	28	6,6	6	14	9	0,8	0,24
K0435.301818	17,5	17,5	29,5	29,5	48	28	6,6	6	14	9	0,7	0,4
K0435.301820	17,5	20	29,5	35,5	48	28	6,6	6	14	9	0,7	0,4
K0435.301823	17,5	22,5	29,5	38,5	48	28	6,6	6	14	9	0,75	0,45
K0435.301825	17,5	25	29,5	43,5	48	28	6,6	6	14	9	0,75	0,45
K0435.301828	17,5	27,5	29,5	48,5	48	28	6,6	6	14	9	0,9	0,425
K0435.301833	17,5	32,5	29,5	57,5	48	28	6,6	6	14	9	0,85	0,2
K0435.352020	20	20	35,5	35,5	48	28	6,6	6	14	9	0,7	0,4
K0435.352023	20	22,5	35,5	38,5	48	28	6,6	6	14	9	0,75	0,45
K0435.352025	20	25	35,5	43,5	48	28	6,6	6	14	9	0,75	0,45
K0435.352028	20	27,5	35,5	48,5	48	28	6,6	6	14	9	0,8	0,425
K0435.352033	20	32,5	35,5	57,5	48	28	6,6	6	14	9	0,8	0,175
K0435.402323	22,5	22,5	38,5	38,5	48	28	6,6	6	14	9	0,75	0,45
K0435.402325	22,5	25	38,5	43,5	48	28	6,6	6	14	9	0,75	0,45
K0435.402328	22,5	27,5	38,5	48,5	48	28	6,6	6	14	9	0,8	0,425
K0435.402333	22,5	32,5	38,5	57,5	48	28	6,6	6	14	9	0,85	0,175
K0435.452525	25	25	43,5	43,5	48	28	6,6	6	14	9	0,75	0,45
K0435.452528	25	27,5	43,5	48,5	48	28	6,6	6	14	9	0,8	0,425
K0435.452533	25	32,5	43,5	57,5	48	28	6,6	6	14	9	0,85	0,2
K0435.502828	27,5	27,5	48,5	48,5	48	28	6,6	6	14	9	0,8	0,425
K0435.502833	27,5	32,5	48,5	57,5	48	28	6,6	6	14	9	0,85	0,2
K0435.603333	32,5	32,5	57,5	57,5	48	28	6,6	6	14	9	0,85	0,175

Hinges

plastic, detent

METRIC
Parts



Material:

Hinge and caps fiberglass reinforced PA thermoplastic.

Hinge pin stainless steel.

Type:

Hinge and caps black.

Pin natural finish.

Part Number Example:

K0439.56181800

Note:

These hinges have a detent mechanism. This mechanism holds a door or lid open at three different angles or tightly closed. The hinges are available with or without guide tabs for aluminum profile slots.

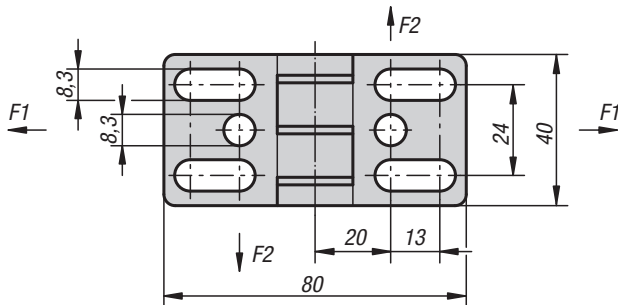
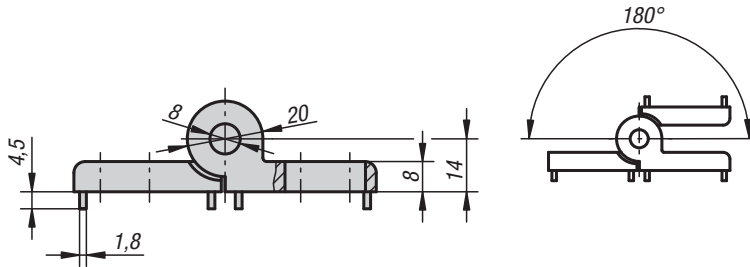
KIPP Hinges plastic, detent, metric

Item No.	A1	A2	A3	A4	Guide tabs for slot	F1 max. kN	F2 max. kN
K0439.56181800	17,75	17,75	27	27	-	0,4	0,35
K0439.56181806	17,75	17,75	27	27	6	0,4	0,35
K0439.56181808	17,75	17,75	27	27	8	0,4	0,35
K0439.56232300	22,75	22,75	36,75	36,75	-	0,6	0,425
K0439.56232308	22,75	22,75	36,75	36,75	8	0,6	0,425
K0439.56232310	22,75	22,75	36,75	36,75	10	0,6	0,425

Hinges

die-cast zinc, with elongated holes

METRIC
Parts



Material:

Die-cast zinc.
Hinge pin stainless steel.
Washer thermoplastic.

Type:

Hinge black powder-coated.
Pin natural finish.
Washer black.

Part Number Example:

K0441.402020

Note:

Elongated holes allow easy horizontal adjustment.

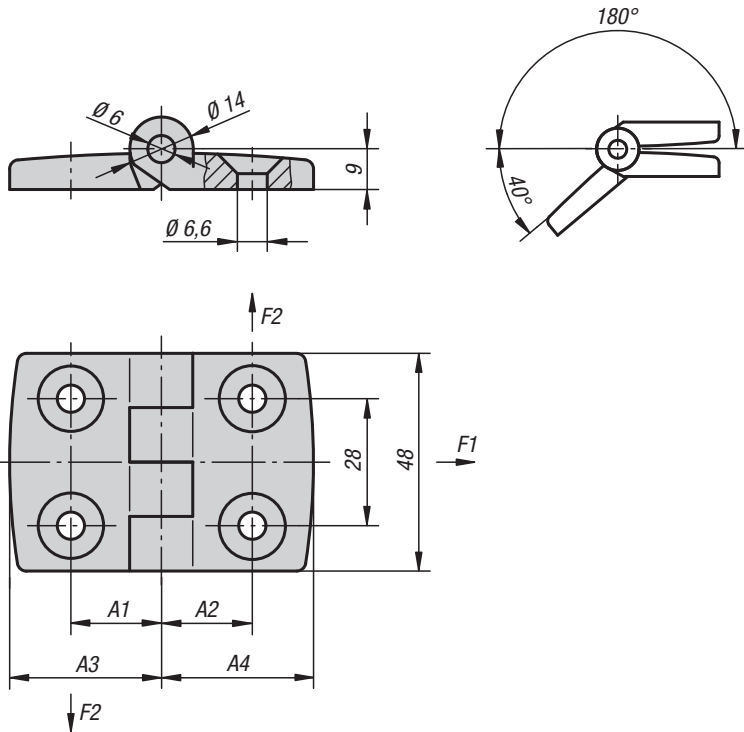
KIPP Hinges die-cast zinc, with elongated holes, metric

Item No.	Guide tabs for slot	F1 max. kN	F2 max. kN
K0441.402020	-	1,2	0,5
K0441.40202008	8	1,2	0,5
K0441.40202010	10	1,2	0,5

Hinges

aluminum

METRIC
Parts



Material:

Die-cast aluminum.
Hinge pin stainless steel.

Type:

Hinge matte nickel-plated.
Pin natural finish.

Part Number Example:

K0580.251515

Note:

Hinges for panel elements and aluminum profiles.
Non-liftoff.

On request:

Hinges with guide tabs for aluminum profiles
(slots 5, 6, 8, 10, 12 and 14).
Unequal leaf combinations.

KIPP Hinges aluminum, metric

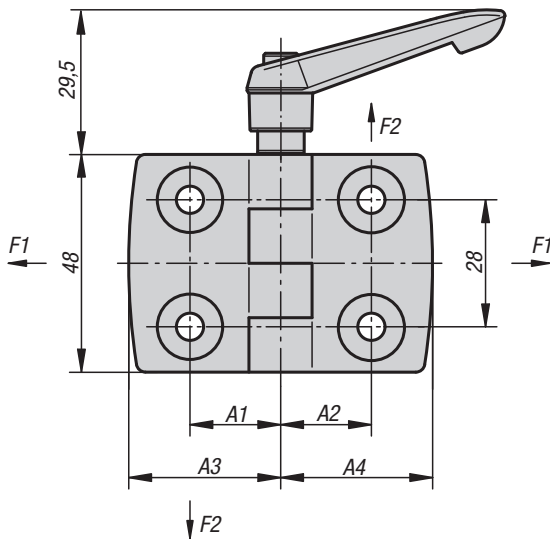
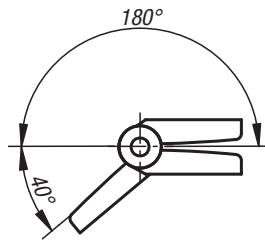
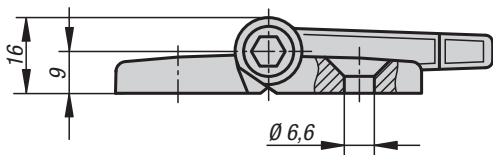
Item No.	A1	A2	A3	A4	F1 max. kN	F2 max. kN
K0580.251515	15	15	26	26	0,275	0,215
K0580.301818	17,5	17,5	29,5	29,5	0,325	0,225
K0580.352020	20	20	36	36	0,325	0,225
K0580.402323	22,5	22,5	38,5	38,5	0,4	0,25
K0580.452525	25	25	43,5	43,5	0,4	0,25
K0580.502828	27,5	27,5	48,5	48,5	0,4	0,25
K0580.603333	32,5	32,5	57,5	57,5	0,4	0,1

Hinges

plastic, with locking lever

New Item

METRIC
Parts



Material:

Hinge and lever fiberglass reinforced thermoplastic.
Hinge pin steel.
Mechanism steel.

Type:

Hinge black.
Pin galvanized.
Locking lever black.
Mechanism black galvanized.

Part Number Example:

K0436.251515

Note:

The indexable lever allows the hinge to be locked in any position.

On request:

Hinges with guide tabs (slot 6, 8 and 10) for aluminum profiles.
Unequal leaf combinations.



KIPP Hinges plastic, with locking lever

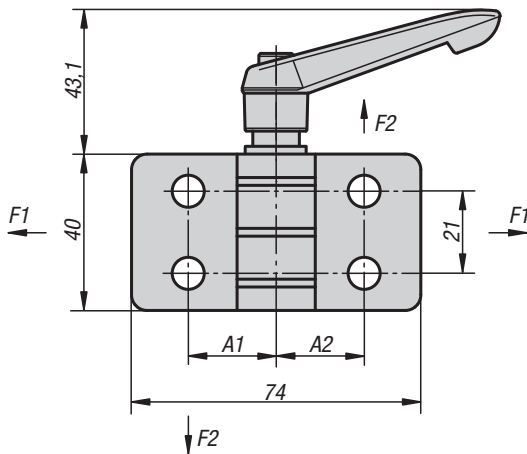
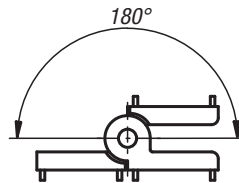
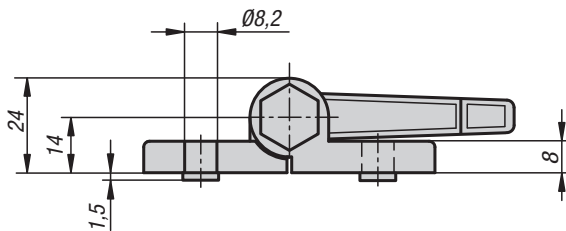
Item No.	A1	A2	A3	A4	F1 max. kN	F2 max. kN
K0436.251515	15	15	26	26	0,5	0,38
K0436.301818	17,5	17,5	29,5	29,5	0,7	0,4
K0436.352020	20	20	36	36	0,7	0,4
K0436.402323	22,5	22,5	38,5	38,5	0,75	0,45
K0436.452525	25	25	43,5	43,5	0,75	0,45
K0436.502828	27,5	27,5	48,5	48,5	0,8	0,425
K0436.603333	32,5	32,5	57,5	57,5	0,85	0,175

Hinges

die-cast zinc, with locking lever

New Item

METRIC
Parts



Material:

Hinge die-cast zinc.
Hinge pin steel.
Lever fiberglass reinforced thermoplastic.
Mechanism steel.

Type:

Hinge black powder-coated.
Pin galvanized.
Lever black.
Mechanism black galvanized.

Part Number Example:

K0442.40232300

Note:

The indexable lever allows the hinge to be locked in any position.
Available with or without guide tabs for aluminum profile slots.



KIPP Hinges die-cast zinc, with locking lever

Item No.	A1	A2	Guide tabs for slot	F1 max. kN	F2 max. kN
K0442.40232300	22,5	22,5	-	1,5	0,65
K0442.40232308	22,5	22,5	8	1,5	0,65
K0442.40232310	22,5	22,5	10	1,5	0,65
K0442.40232500	22,5	25	-	1,5	0,65
K0442.40232508	22,5	25	8	1,5	0,65
K0442.40232510	22,5	25	10	1,5	0,65
K0442.45252500	25	25	-	1,5	0,65
K0442.45252508	25	25	8	1,5	0,65
K0442.45252510	25	25	10	1,5	0,65

High quality plastic tube connectors with steel core for joining square tubing

Creative use of these square tube connectors together with the specially developed aluminum profiles leads to unlimited construction possibilities. The system can be combined with many different materials e.g. laminated chipboard, glass or plastic plates. No screws required, the connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly. If removal should be prevented the connectors can be secured by gluing, screws or rivets.

Loading of square tube connectors

25x25x1.5 and 30x30x2 square tube connectors with steel core have a compressive strength of max. 400 kg per horizontal leg under the following conditions:

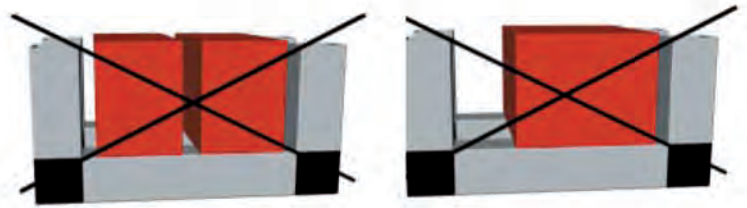
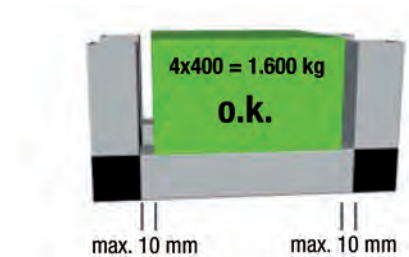
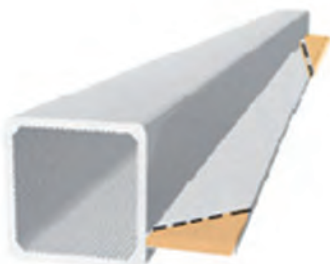
- the spacing between the exterior wall of the vertical tube and the outer edge of the load must not exceed 10 mm.
- the underside of the load is rigid enough that the applied force occurs only at the load corners (see diagram).
- the load is static i.e. no dynamic stress due to moving loads.

Note:

Using items such as adjustable glides, screw plugs and swivel feet with the tube connectors can decrease the load values for the entire unit.

Miter cuts

Miter cuts are required when square tubes with web come in contact with a plug-in connector. On request, we can supply our square tubes with web with miter cut.



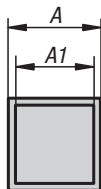
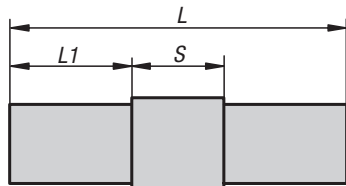
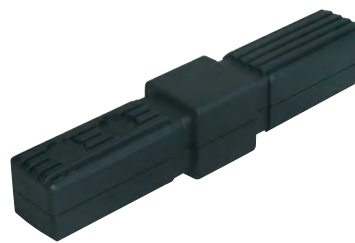
K0615

Square tube connectors

straight

New Item

METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0615.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, straight

Item No.	A	A1	L	L1	S	Suitable for square tubes
K0615.1251512	25	22	133	54	25	25 x 25 x 1,5

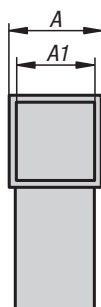
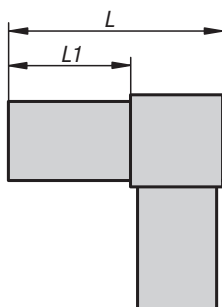
K0616

Square tube connectors

two-way

New Item

METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0616.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, two-way

Item No.	A	A1	L	L1	Suitable for square tubes
K0616.1251512	25	22	77	52	25 x 25 x 1,5

K0617

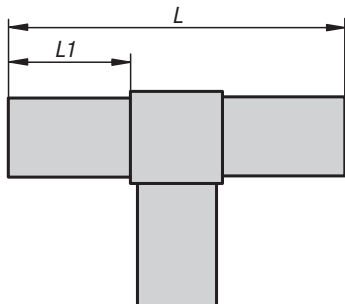
Square tube connectors

three-way, flat

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0617.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, three-way, flat

Item No.	A	A1	L	L1	Suitable for square tubes
K0617.1251512	25	22	127	51	25 x 25 x 1,5

K0618

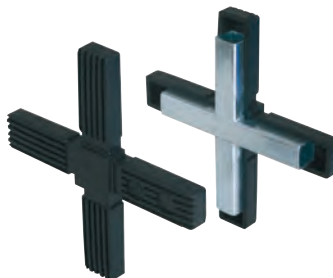
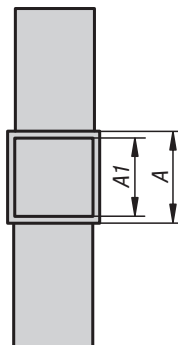
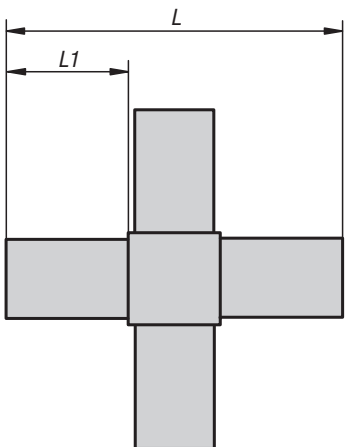
Square tube connectors

four-way, flat

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0618.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, four-way, flat

Item No.	A	A1	L	L1	Suitable for square tubes
K0618.1251512	25	22	127	51	25 x 25 x 1,5

K0619

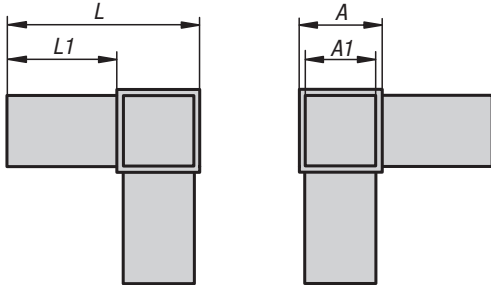
Square tube connectors

three-way

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0619.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connector, three-way

Item No.	A	A1	L	L1	Suitable for square tubes
K0619.1251512	25	22	77	52	25 x 25 x 1,5

K0620

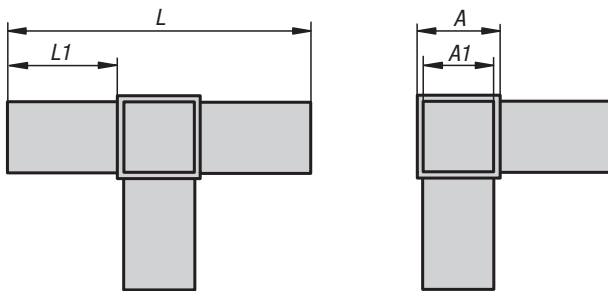
Square tube connectors

four-way

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0620.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, four-way

Item No.	A	A1	L	L1	Suitable for square tubes
K0620.1251512	25	22	129	52	25 x 25 x 1,5

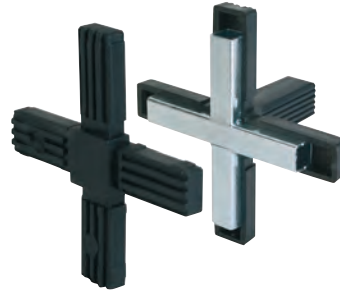
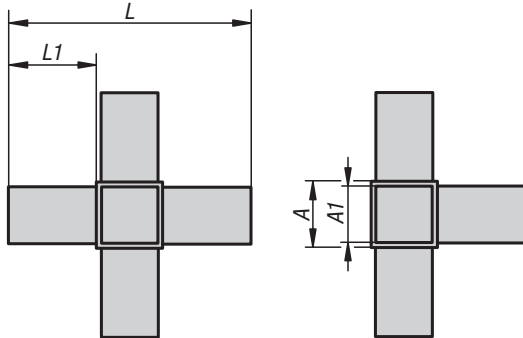
K0621

Square tube connectors

five-way

METRIC
Parts

New Item



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0621.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, five-way

Item No.	A	A1	L	L1	Suitable for square tubes
K0621.1251512	25	22	133	54	25 x 25 x 1,5

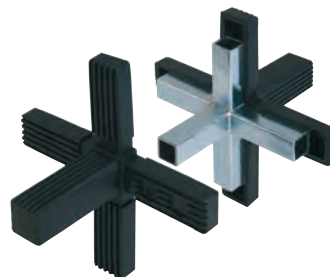
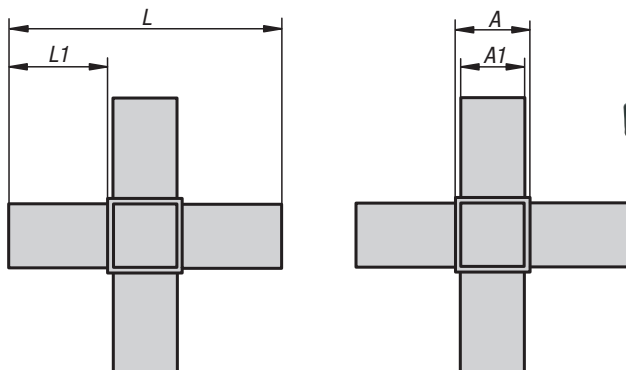
K0622

Square tube connectors

six-way

METRIC
Parts

New Item



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0622.1251512

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, six-way

Item No.	A	A1	L	L1	Suitable for square tubes
K0622.1251512	25	22	129	52	25 x 25 x 1,5

K0623

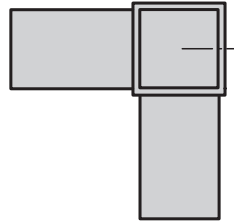
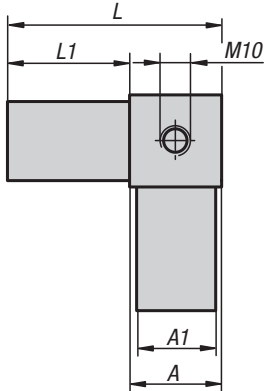
Square tube connectors

three-way with tapped hole

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0623.125151210

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly. For installing swivel feet, casters etc.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, three-way with tapped hole

Item No.	A	A1	L	L1	Suitable for square tubes
K0623.125151210	25	22	77	52	25 x 25 x 1,5

K0624

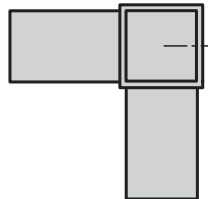
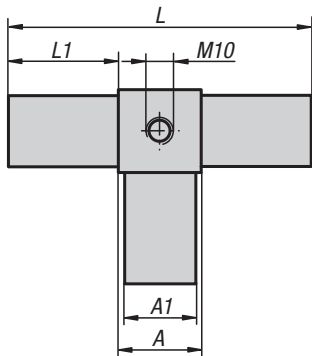
Square tube connectors

four-way with tapped hole

New Item



METRIC
Parts



Material, version:
Polyamide PA, black.
Core galvanized steel.

Part Number Example:
K0624.125151210

Note:
No screws required. The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly. For installing swivel feet, casters etc.

Accessories:
- Square tubes K0627
- Finned square tubes K0628

KIPP Square tube connectors, four-way with tapped hole

Item No.	A	A1	L	L1	Suitable for square tubes
K0624.125151210	25	22	129	52	25 x 25 x 1,5

Square tube connectors

two-way swivel

New Item



Material, version:

Polyamide PA, black.
DIN 6912 screws and DIN 934 nuts galvanized steel.

Part Number Example:

K0625.1251511

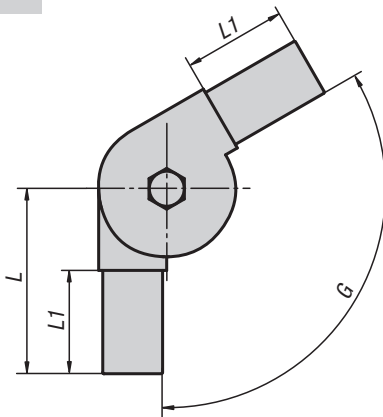
Note:

The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly. The swivel angle can be infinitely adjusted.

Accessories:

- Square tubes K0627
- Finned square tubes K0628

METRIC
Parts



KIPP Square tube connectors, two-way swivel

Item No.	A	A1	L	L1	G	Suitable for square tubes
K0625.1251511	25	22	68	38	0° - 190°	25 x 25 x 1,5
K0625.1251512	25	22	59	38	45° - 195°	25 x 25 x 1,5

Square tube connectors

three-way swivel

New Item



Material, version:

Polyamide PA, black.
DIN 6912 screws and DIN 934 nuts galvanized steel.

Part Number Example:

K0626.1251511

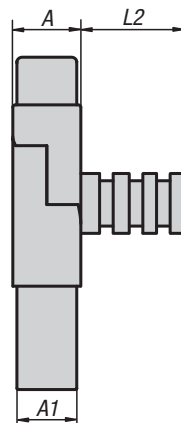
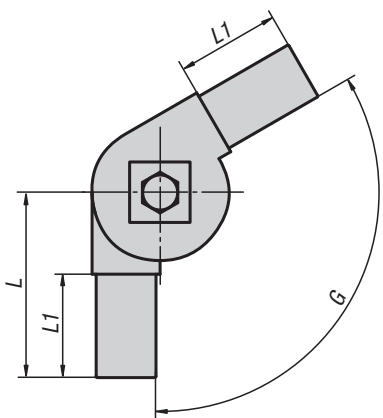
Note:

The tube connectors are simply pushed into the appropriate square tubing. They can be dismantled and reused repeatedly. The swivel angle can be infinitely adjusted. The third leg can be revolved around its own axis.

Accessories:

- Square tubes K0627
- Finned square tubes K0628

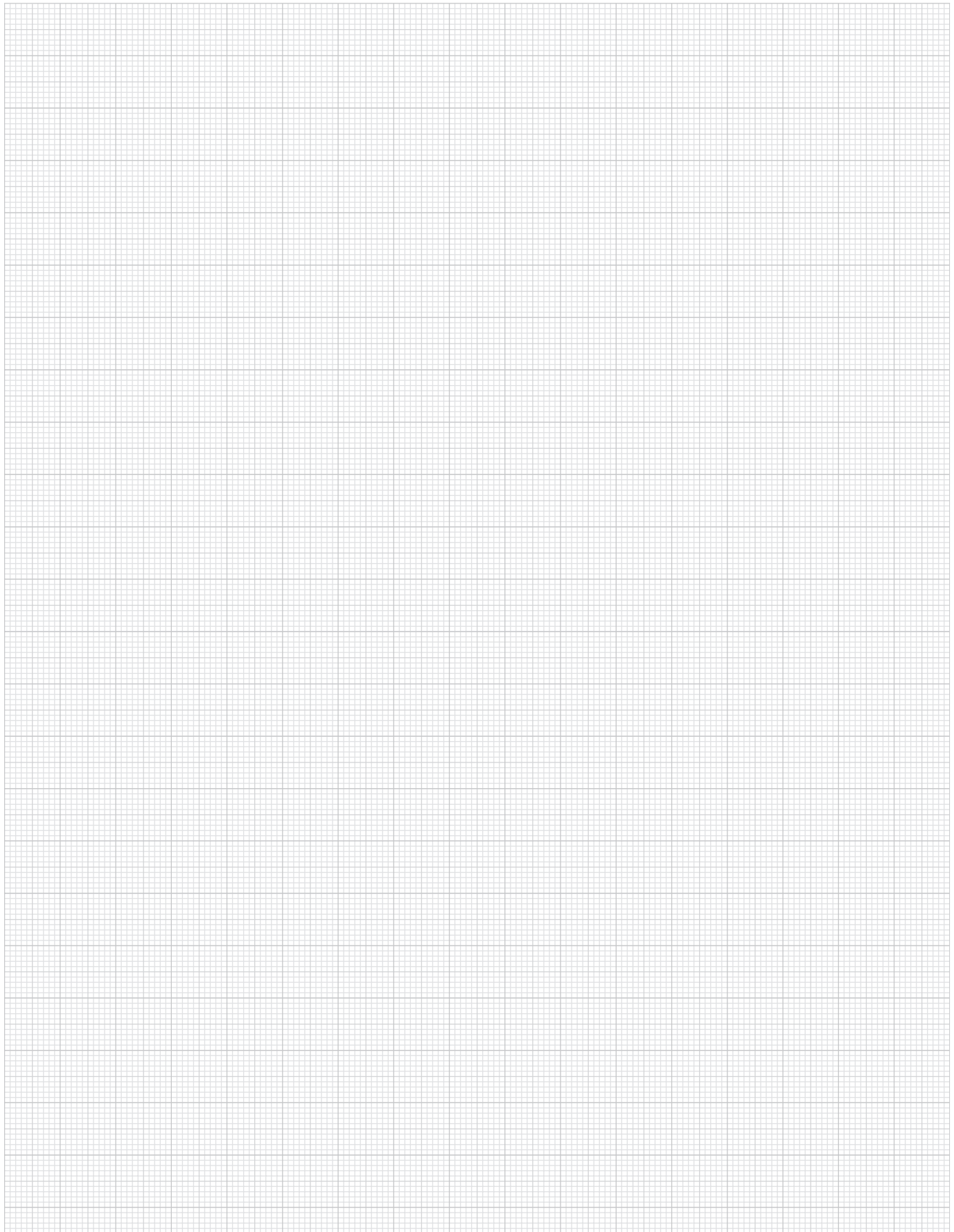
METRIC
Parts



KIPP Square tube connectors, three-way swivel

Item No.	A	A1	L	L1	L2	G	Suitable for square tubes
K0626.1251511	25	22	68	38	42	0° - 190°	25 x 25 x 1,5
K0626.1251512	25	22	59	38	42	45° - 195°	25 x 25 x 1,5

Notes:



Reference Table - Conversion of Measurements



Pressure		
From	To	Conversion
psi	Kilopond/cm ² (kp/cm ²)	psi x 0.07031 = kp/cm ²
Kilopond/cm ² (kp/cm ²)	psi	kp/cm ² x 14.22 = psi
psi	Bar	psi x 0.07 = Bar
Bar	psi	Bar x 14.29 = psi

Linear Measure		
From	To	Conversion
Inch (in)	Millimeter (mm)	in x 25.4 = mm
Millimeter (mm)	Inch (in)	mm x 0.03937 = in
Inch	Millimeter (mm)	Inch x 25.4 = mm
Millimeter (mm)	Inch	mm x 0.03937 = Inch
Foot	Meter (m)	Foot x 0.3048 = m
Meter (m)	Foot	m x 3.281 = Foot
Yard	Meter (m)	Yard x 0.9144 = m
Meter (m)	Yard	m x 1.0936 = Yard
Miles (mils)	Kilometer (km)	mils x 1.609 = km
Kilometer (km)	Miles (mils)	km x 0.622 = mils

Forces		
From	To	Conversion
Pounds (lbs)	Newton (N)	lbs x 4.45 = N
Newton (N)	Pounds (lbs)	N x 0.225 = lbs
PS (horsepower)	Kilowatt (kW)	PS x 0.735 = kW
Kilowatt (kW)	PS (horsepower)	kW x 1.36 = PS

Weights		
From	To	Conversion
Pounds (lbs)	Kilopond/cm ² (kp/cm ²)	lbs x 0.45 = kp/cm ²
Kilopond/cm ² (kp/cm ²)	Pounds (lbs)	kp/cm ² x 2.2 = lbs
Ounces (oz)	Gramm (g)	oz x 28 = g
Gramm (g)	Ounces (oz)	g x 0.035 = oz
Pounds (lbs)	Kilogramm (kg)	lbs x 0.4536 = kg
Kilogramm (kg)	Pounds (lbs)	kg x 2.205 = lbs

Torque		
From	To	Conversion
Foot-pounds (ft-lbs)	Newton-Meter (Nm)	ft/lbs x 1.35 = Nm
Newton-Meter (Nm)	Foot-pounds (ft-lbs)	Nm x 0.74 = ft/lbs
Newton-Meter (Nm)	Kilopond/cm (kp/cm)	Nm x 0.102 = kp/cm

General Information about:

KIPP Clamping Tools

KIPP Operating Parts

Novo-Grip

Sympa Touch

KIPP Machine and Jig Devices



Materials:

POM = Polyoxymethylene - Delrin®

Deviating from the standard design, other materials and quality classes are available on request.

Surface finishes:

Other surface finishes are available at additional cost, e.g. matte-finished or high-polish chromium-plated steel parts.

Other colors are also available on request for plastic coatings or molded plastic parts.

Threads:

Threads are manufactured to ISO DIN 13 medium tolerance class, i.e. 6H for nut threads and 6g for bolt threads. External threads up to 60 mm are generally supplied fully threaded. Screw lengths of 70 mm and more are supplied with 60 mm long threads.

Threads of aluminum grips:

Especially threads of aluminum grips cannot be true to gauge size due to final surface finish refinement and the removal of material during related pretreatment.

The majority of these threads are moulded in order to strengthen the material. As a result, the tearing resistance of aluminum for a thread with M5x10 is higher than 2000 N.

Special versions:

KIPP Clamp and Tension Levers can also be supplied on request with predrilled inserts, locating holes, locating bolts for pinning and other thread ends to DIN 78 (except for flat point) and to DIN 6332.

As a basic rule, you can rely on us as a competent partner for your daily clamping needs. We are always happy to advise you.

Thread Pitch Chart:

Metric Coarse Thread:

M3 X 0.5
M4 X 0.7
M5 X 0.8
M6 X 1.0
M8 X 1.25
M10 X 1.5
M12 X 1.75
M14 X 2.00
M16 X 2.00
M18 X 2.50
M20 X 2.50
M22 X 2.50
M24 X 3.00

Metric Fine Thread:

M3 X 0.35
M4 X 0.50
M5 X 0.50
M6 X 0.75
M8 X 1.00
M10 X 1.25
M12 X 1.50
M14 X 1.50
M16 X 1.50
M18 X 1.5
M20 X 1.5
M24 X 1.5
M24 X 2.0

Conversion Chart:

10mm = .39"
12mm = .47"
15mm = .59"
20mm = .79"
25mm = .98"
30mm = 1.18"
25mm = 1.38"
40mm = 1.57"
45mm = 1.77"
50mm = 1.97"
55mm = 2.17"
60mm = 2.36"
70mm = 2.76"
80mm = 3.15"
90mm = 3.54"

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