

Clamping Technology | Standard Elements | Operating Parts



HEINRICH KIPP WERK

100%
VISION
SINCE 1919



NEW PRODUCTS

100% INNOVATION

I / 2023

TRUST IN KIPP

Manufacturing expertise with family tradition



For more than 100 years HEINRICH KIPP WERK has been a quality partner to industry. We offer a comprehensive product spectrum with more than 60,000 elements in the core sectors clamping technology, standard elements and operating parts.

We produce in our machine shop located in Germany. This guarantees rapid response times and short routes. Customers appreciate our production resources and extensive development experience.

Reliability. Longevity. Sustainability. This is what our owner managed company has stood for from the very beginning.



N. Kipp *Heinrich Kipp*

Nicolas Kipp

Heinrich Kipp





Professional advice

HEINRICH KIPP WERK has highly trained customer service staff and expert technical advisers with extensive experience.



Delivery

The high-performance logistics system guarantees rapid response times and high supply availability. Customers can choose between standard, express or premium delivery.



AEO Certification

As an authorised economic operator, HEINRICH KIPP WERK guarantees consistent security in the international supply chain.



TÜV Certification

The TÜV Saarland conducted a neutral customer survey. KIPP was once again assessed by its customers with the mark "VERY GOOD" (1.7). 99.4% of the customers said that they would order from KIPP again.



Social media

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Subscribe to the newsletter under www.kipp.com

PRODUCT SPECTRUM



OPERATING PARTS | STANDARD ELEMENTS



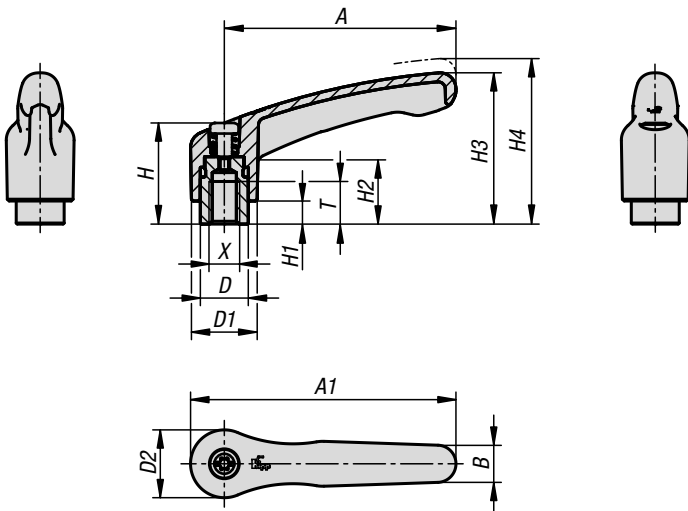
CLAMPING TECHNOLOGY



SPECIAL SOLUTIONS

Clamping levers plastic

with internal thread, steel parts black oxidised



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

The clamping lever is made of a special high-performance plastic and is available in many standard colours.

The advantages of the clamping lever are high rigidity and strength. The light weight make it ideal for mobile applications.

Material:

High performance fibreglass reinforced thermoplastic.
Steel parts grade 5.8.

Version:

Steel parts black oxidised.

Sample order:

K1700.10486 (lever colour signal green)

Note:

△ Add the desired grip colour here.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

Application:

Machine, equipment and plant construction, rehabilitation sector.

Temperature range:

Permanent temperature max. 100 °C.
Brief use with temperatures up to 130 °C.

Advantages:

Seven colour variants.

On request:

Other female threads and special versions.
Length "H1" optionally available in other lengths for an additional charge.

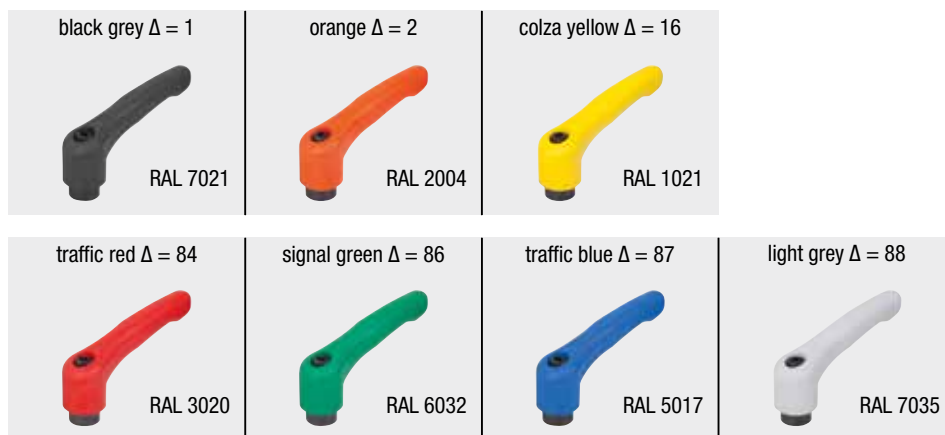
High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

Brief use with temperatures up to 250 °C.

Clamping levers plastic

with internal thread, steel parts black oxidised

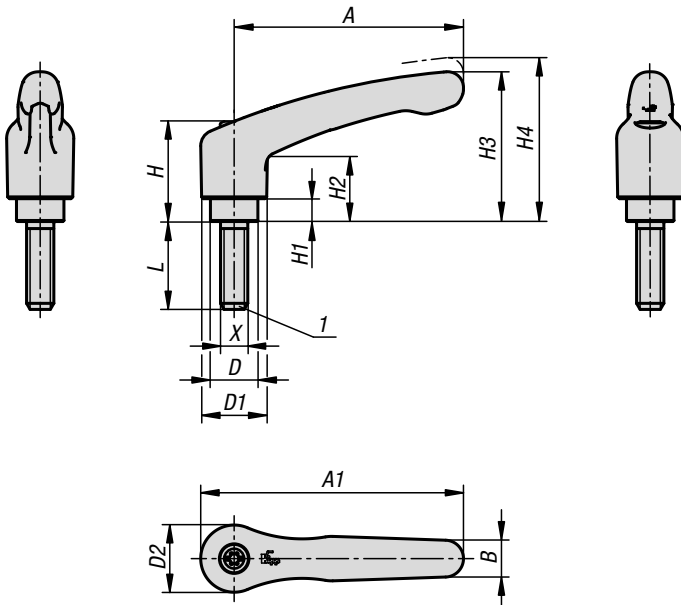


KIPP Clamping levers plastic with internal thread, steel parts black oxidised

Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	T	No. of teeth
K1700.104Δ	M4	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1700.105Δ	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1700.106Δ	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1700.206Δ	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1700.208Δ	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1700.308Δ	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1700.310Δ	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1700.410Δ	M10	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1700.412Δ	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1700.512Δ	M12	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26
K1700.516Δ	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26

Clamping levers plastic

with external thread, steel parts black oxidised



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

The clamping lever is made of a special high-performance plastic and is available in many standard colours.

The advantages of the clamping lever are high rigidity and strength. The light weight make it ideal for mobile applications.

Material:

High performance fibreglass reinforced thermoplastic.
Steel parts grade 5.8.

Version:

Steel parts black oxidised.

Sample order:

K1700.1051X20 (lever black grey; include length L)

Note:

Δ Add the desired grip colour here.
Where $L \geq 60$ mm the thread length is always 60 mm.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

Application:

Machine, equipment and plant construction, rehabilitation sector.

Temperature range:

Permanent temperature max. 100 °C.
Brief use with temperatures up to 130 °C.

Advantages:

Seven colour variants.

On request:

Other screw sizes, screw lengths and special versions.
Length "H1" optionally available in other lengths for an additional charge.

High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

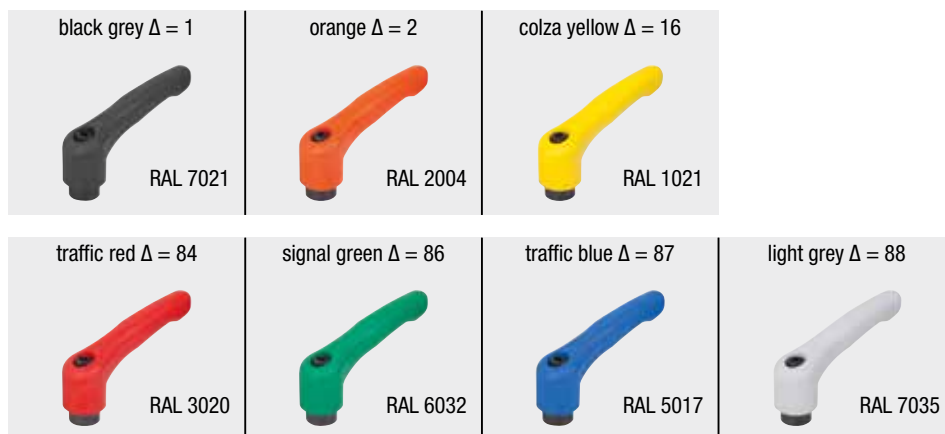
Brief use with temperatures up to 250 °C.

Drawing reference:

1) flat point DIN EN ISO 4753

Clamping levers plastic

with external thread, steel parts black oxidised

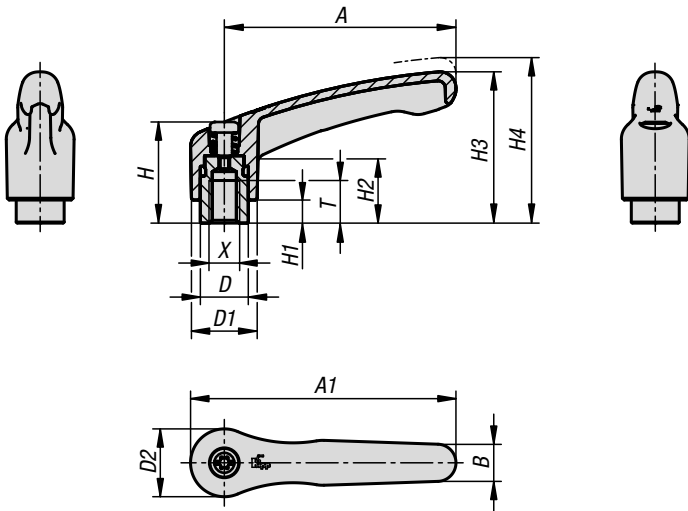


KIPP Clamping levers plastic with external thread, steel parts black oxidised

Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	No. of teeth	L
K1700.105ΔX	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25/30/35/40/45/50
K1700.106ΔX	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25/30/35/40/45/50
K1700.206ΔX	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1700.208ΔX	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1700.210ΔX	M10	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1700.308ΔX	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	15/20/25/30/35/40/45/50/55/60
K1700.310ΔX	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	15/20/25/30/35/40/45/50/55/60
K1700.410ΔX	M10	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	24	20/25/30/35/40/45/50/55/60/70/80/90
K1700.412ΔX	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	24	20/25/30/35/40/45/50/55/60/70/80/90
K1700.512ΔX	M12	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	26	25/30/35/40/45/50/55/60/70/80/90
K1700.516ΔX	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	26	25/30/35/40/45/50/55/60/70/80/90

Clamping levers plastic

with internal thread, steel parts stainless steel



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

The clamping lever is made of a special high-performance plastic and is available in many standard colours.

The advantages of the clamping lever are high rigidity and strength. The light weight make it ideal for mobile applications.

It offers good chemical and corrosion resistance.

Material:

High performance fibreglass reinforced thermoplastic.
Steel parts stainless steel 1.4305.

Version:

Steel parts bright.

Sample order:

K1701.10486 (lever colour signal green)

Note:

Δ Add the desired grip colour here.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

Application:

Machine, equipment and systems engineering, rehab applications, medical technology, food processing industry.

Temperature range:

Permanent temperature max. 100 °C.
Brief use with temperatures up to 130 °C.

Advantages:

Good chemical and corrosion resistance.
Seven colour variants.

On request:

Other female threads and special versions.
Length "H1" optionally available in other lengths for an additional charge.

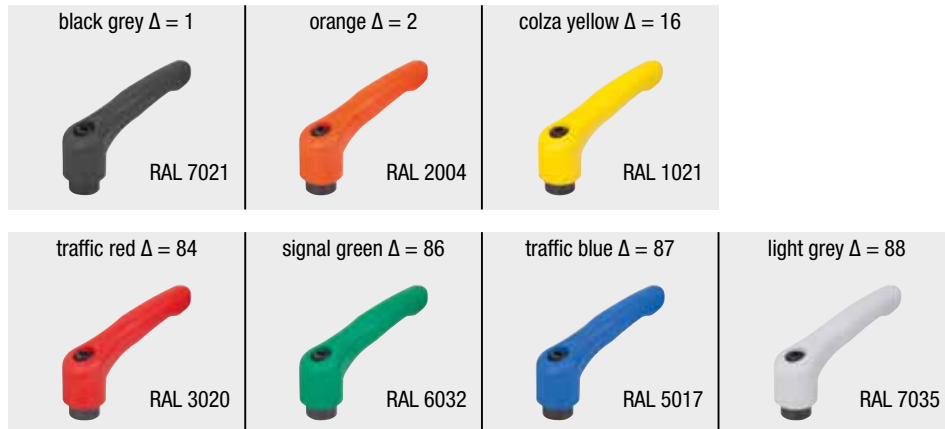
High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

Brief use with temperatures up to 250 °C.

Clamping levers plastic

with internal thread, steel parts stainless steel

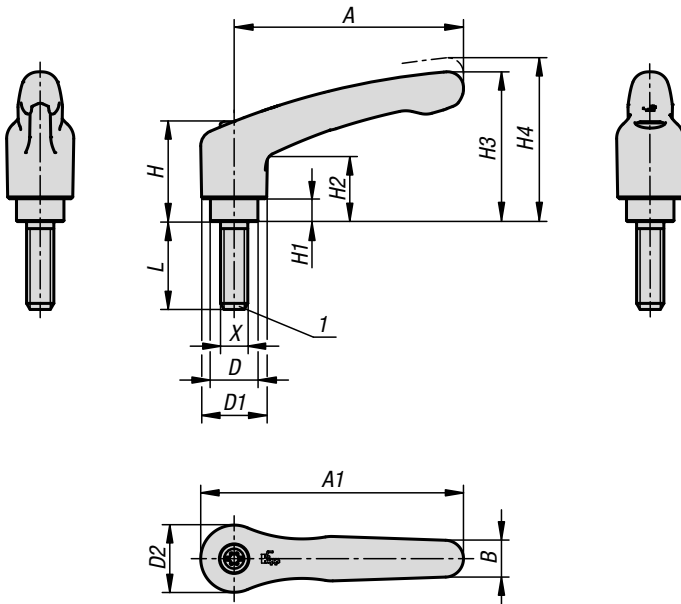


KIPP Clamping levers plastic with internal thread, steel parts stainless steel

Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	T	No. of teeth
K1701.104Δ	M4	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1701.105Δ	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1701.106Δ	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1701.206Δ	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1701.208Δ	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1701.308Δ	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1701.310Δ	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1701.410Δ	M10	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1701.412Δ	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1701.512Δ	M12	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26
K1701.516Δ	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26

Clamping levers plastic

with external thread, steel parts stainless steel



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

The clamping lever is made of a special high-performance plastic and is available in many standard colours.

The advantages of the clamping lever are high rigidity and strength. The light weight make it ideal for mobile applications.

It offers good chemical and corrosion resistance.

Material:

High performance fibreglass reinforced thermoplastic.
Steel parts stainless steel 1.4305.

Version:

Steel parts bright.

Sample order:

K1701.1051X20 (lever black grey; include length L)

Note:

Δ Add the desired grip colour here.
Where $L \geq 60$ mm the thread length is always 60 mm.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

Application:

Machine, equipment and systems engineering, rehab applications, medical technology, food processing industry.

Temperature range:

Permanent temperature max. 100 °C.
Brief use with temperatures up to 130 °C.

Advantages:

Good chemical and corrosion resistance.
Seven colour variants.

On request:

Other screw sizes, screw lengths and special versions.
Length "H1" optionally available in other lengths for an additional charge.

High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

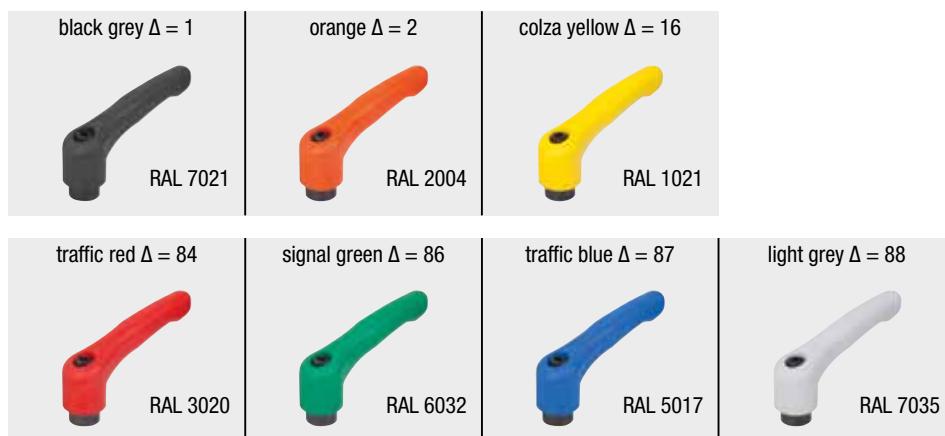
Brief use with temperatures up to 250 °C.

Drawing reference:

1) flat point DIN EN ISO 4753

Clamping levers plastic

with external thread, steel parts stainless steel

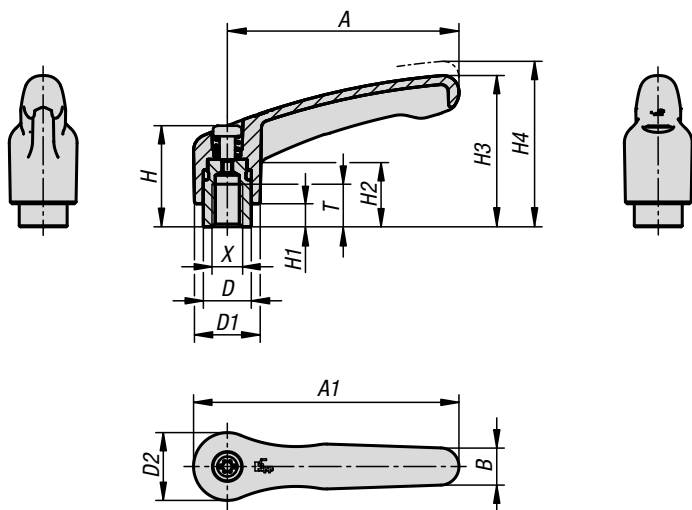


KIPP Clamping levers plastic with external thread, steel parts stainless steel

Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	No. of teeth	L
K1701.105ΔX	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25
K1701.106ΔX	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25/30/40/50
K1701.206ΔX	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/40/50/60
K1701.208ΔX	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/40/50/60
K1701.210ΔX	M10	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	20/25/30/40/50/60
K1701.308ΔX	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	20/25/30/40/50/60
K1701.310ΔX	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	20/25/30/40/50/60
K1701.412ΔX	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	24	25/30/40/50/60
K1701.516ΔX	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	26	30/40/50/60

Clamping levers plastic

with internal thread, steel parts blue passivated



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

The clamping lever is made of a special high-performance plastic and is available in many standard colours.

The advantages of the clamping lever are high rigidity and strength. The light weight make it ideal for mobile applications.

Material:

High performance fibreglass reinforced thermoplastic.
Steel parts grade 5.8.

Version:

Steel parts blue-passivated.

Sample order:

K1702.10486 (lever colour signal green)

Note:

Δ Add the desired grip colour here.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

Application:

Machine, equipment and plant construction, rehabilitation sector.

Temperature range:

Permanent temperature max. 100 °C.

Brief use with temperatures up to 130 °C.

Advantages:

Seven colour variants.

On request:

Other female threads and special versions.

Length "H1" optionally available in other lengths for an additional charge.

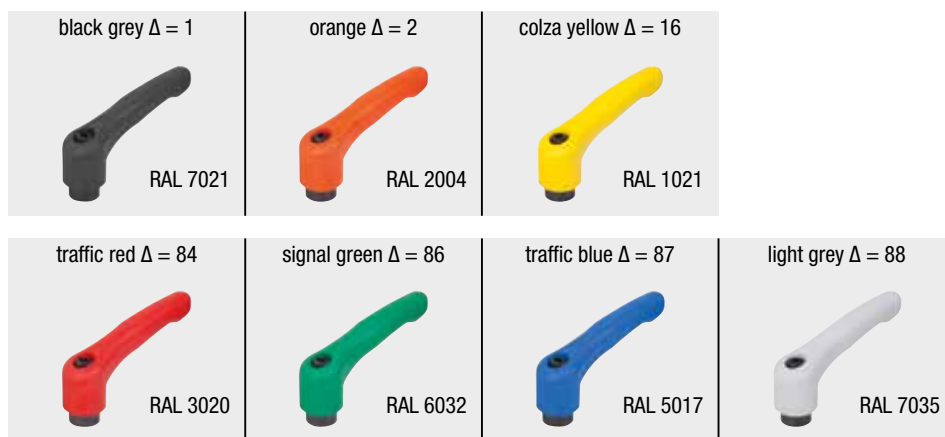
High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

Brief use with temperatures up to 250 °C.

Clamping levers plastic

with internal thread, steel parts blue passivated

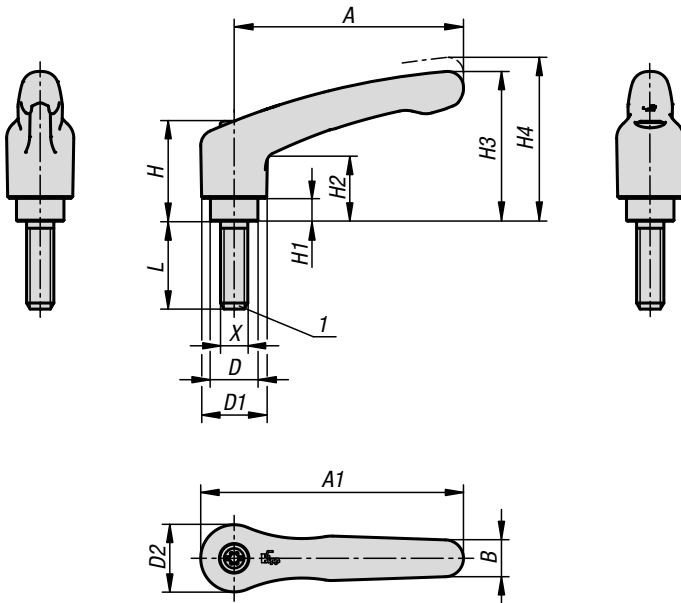


KIPP Clamping levers plastic with internal thread, steel parts blue passivated

Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	T	No. of teeth
K1702.104Δ	M4	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1702.105Δ	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1702.106Δ	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	9	16
K1702.206Δ	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1702.208Δ	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	12	20
K1702.308Δ	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1702.310Δ	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	14	22
K1702.410Δ	M10	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1702.412Δ	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	17	24
K1702.512Δ	M12	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26
K1702.516Δ	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	23	26

Clamping levers plastic

with external thread, steel parts blue passivated



The plastic clamping lever with ergonomic grip design offers a high-quality, modern appearance in combination with very pleasant haptics.

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Material:

High performance fibreglass reinforced thermoplastic.
Steel parts grade 5.8.

Version:

Steel parts blue-passivated.

Sample order:

K1702.1051X20 (lever black grey; include length L)

Note:

Δ Add the desired grip colour here.
Where $L \geq 60$ mm the thread length is always 60 mm.

Method of operation:

When not actuated, the handle is engaged in the tooth insert by a gear ring, thus allowing the thread to be fastened or released. When raised, the handle can be re-positioned and then re-engaged in the gear ring by spring force.

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Length "H1" optionally available in other lengths for an additional charge.

High temperature black-grey plastic.

Permanent operating temperature acc. to IEC 216 150 °C - 160 °C max.

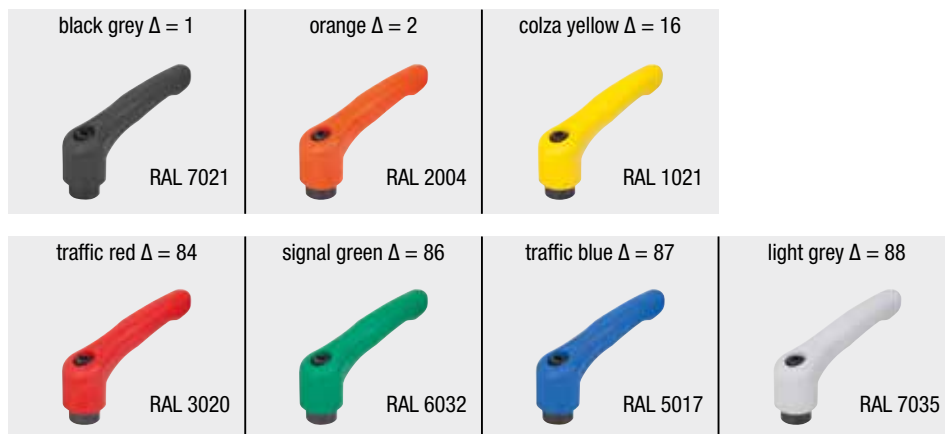
Brief use with temperatures up to 250 °C.

Drawing reference:

1) flat point DIN EN ISO 4753

Clamping levers plastic

with external thread, steel parts blue passivated



KIPP Clamping levers plastic with external thread, steel parts blue passivated

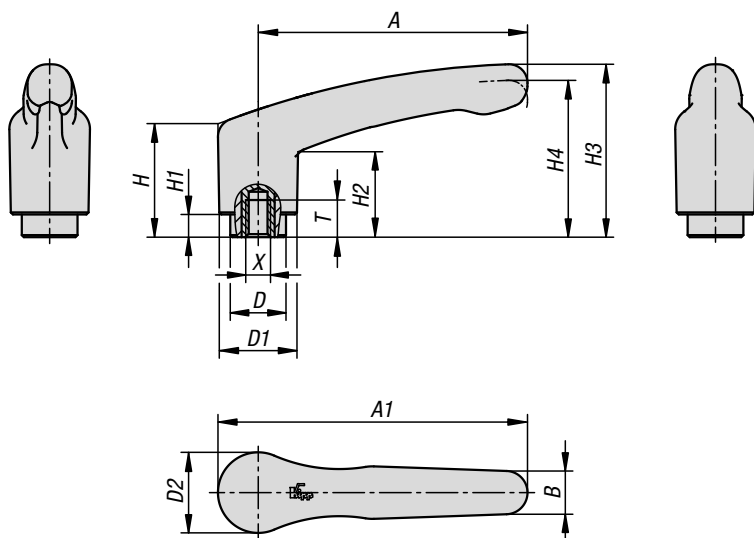
Order No.	X	A	A1	B	D	D1	D2	H	H1	H2	H3	H4	No. of teeth	L
K1702.105ΔX	M5	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25/30/35/40/45/50
K1702.106ΔX	M6	39,9	46,8	7,9	10	13,2	13,8	24,5	4	14,2	30,8	35	16	10/15/20/25/30/35/40/45/50
K1702.206ΔX	M6	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1702.208ΔX	M8	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1702.210ΔX	M10	65,2	74,8	10,5	13,5	18,5	19,1	28,5	6,5	18,6	42,6	47,1	20	15/20/25/30/35/40/45/50/55/60
K1702.308ΔX	M8	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	15/20/25/30/35/40/45/50/55/60
K1702.310ΔX	M10	80,2	91,1	11,5	16	21,2	21,9	37	10	24	54	59,2	22	15/20/25/30/35/40/45/50/55/60
K1702.410ΔX	M10	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	24	20/25/30/35/40/45/50/55/60/70/80/90
K1702.412ΔX	M12	96,8	110,3	14,1	19	26,2	27,1	43,1	10	27,8	62,4	68,1	24	20/25/30/35/40/45/50/55/60/70/80/90
K1702.512ΔX	M12	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	26	25/30/35/40/45/50/55/60/70/80/90
K1702.516ΔX	M16	110,9	126,6	15,1	23	30,5	31,5	49,1	12	30,8	72,9	79,2	26	25/30/35/40/45/50/55/60/70/80/90

Clamping levers, plastic, metal detectable

with female thread



MD



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform. Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021. Steel parts bright stainless steel.

Sample order:

K1743.14206

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

- Metal detectable.
- Detections volume ≥ 0.027 cm³.
- Foodstuff conform material.



KIPP Clamping levers, plastic, metal detectable with female thread

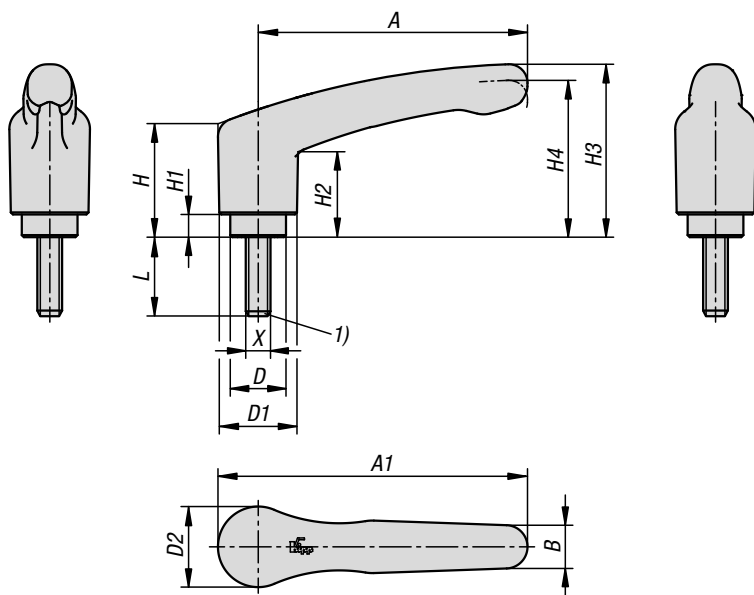
Order No.	Main colour	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K1743.14206	black grey RAL 7021	M6	9	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	12
K1743.14208	black grey RAL 7021	M8	9	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	12

Clamping levers, plastic, metal detectable

with male thread



MD



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform. Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021. Steel parts bright stainless steel.

Sample order:

K1743.14206X20

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

- Metal detectable.
- Detections volume ≥ 0.027 cm³.
- Foodstuff conform material.

Drawing reference:

1) flat point DIN EN ISO 4753



KIPP Clamping levers, plastic, metal detectable with male thread

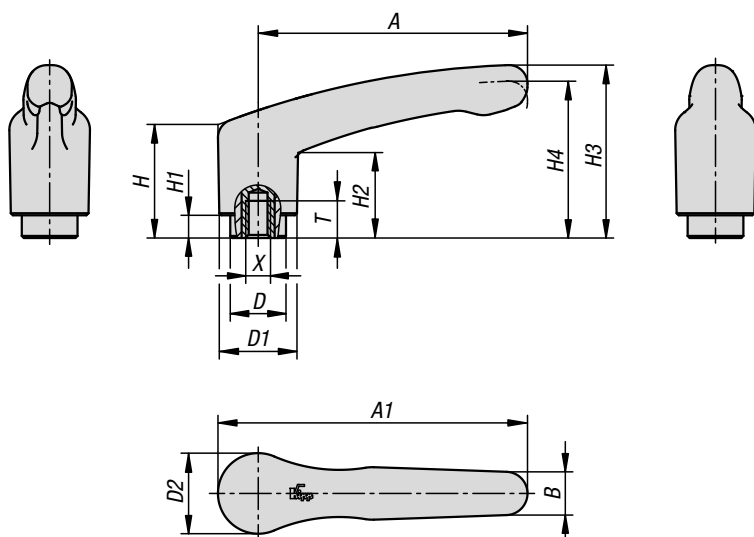
Order No.	Main colour	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	L	No. of teeth
K1743.14206X20	black grey RAL 7021	M6	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	20	12
K1743.14206X25	black grey RAL 7021	M6	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	25	12
K1743.14208X20	black grey RAL 7021	M8	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	20	12
K1743.14208X40	black grey RAL 7021	M8	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	40	12

Clamping levers, plastic, visually detectable

with female thread



VD



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform. Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002. Steel parts bright stainless steel.

Sample order:

K1743.13206

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

- visually detectable.
- Ultra marine RAL 5002.
- Foodstuff conform material.



KIPP Clamping levers, plastic, optically detectable with female thread

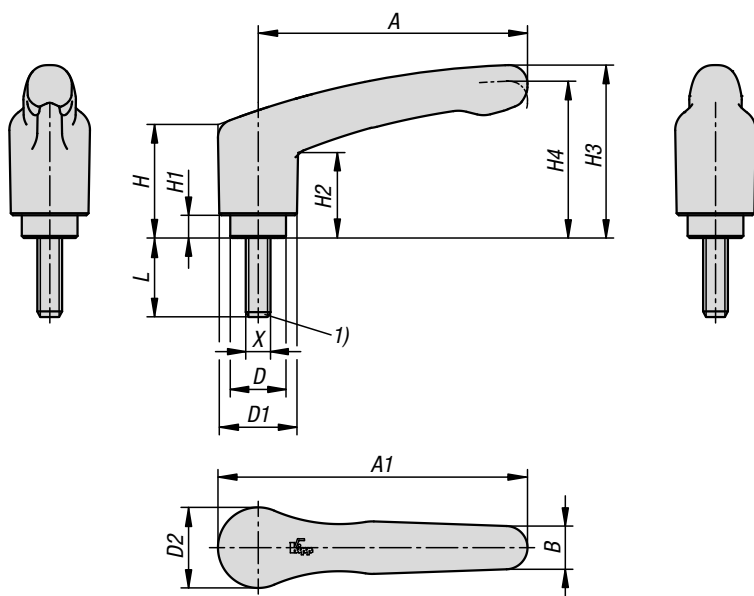
Order No.	Main colour	X	T	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	No. of teeth
K1743.13206	ultramarine RAL 5002	M6	9	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	12
K1743.13208	ultramarine RAL 5002	M8	9	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	12

Clamping levers, plastic, visually detectable

with male thread



VD



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002.
Steel parts bright stainless steel.

Sample order:

K1743.13206X20

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

visually detectable.
Ultra marine RAL 5002.
Foodstuff conform material.

Drawing reference:

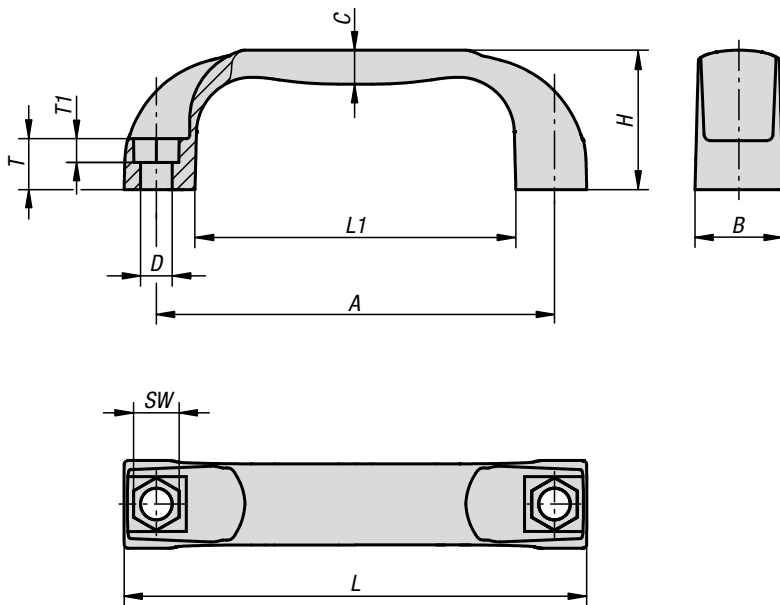
1) flat point DIN EN ISO 4753



KIPP Clamping levers, plastic, optically detectable with male thread

Order No.	Main colour	X	D	D1	D2	H	H1	H2	H3	H4	A	A1	B	L	No. of teeth
K1743.13206X20	ultramarine RAL 5002	M6	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	20	12
K1743.13206X25	ultramarine RAL 5002	M6	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	25	12
K1743.13208X20	ultramarine RAL 5002	M8	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	20	12
K1743.13208X40	ultramarine RAL 5002	M8	13,5	18,8	19,5	27,4	5,5	20,7	41,9	38	65,2	75	10,5	40	12

Pull handles



Material:

Glass-bead reinforced thermoplastic PA (polyamide) or fiberglass reinforced PP (polypropylene).

Version:

Polypropylene black-grey.

Polyamide black-grey RAL 7021, pure orange RAL 2004, colza yellow RAL 1021, signal green RAL 6032, traffic blue RAL 5017, traffic red RAL 3020 and light-grey RAL 7035.

Sample order:

K0190.10940684 (pull handle traffic red)

Note for ordering:

Δ Add the desired colour here. No colour code is required for black grey.

Note:

The fastening hole is designed to accept the head of a cap or hexagon head screw or a hexagon nut.

Assembly:

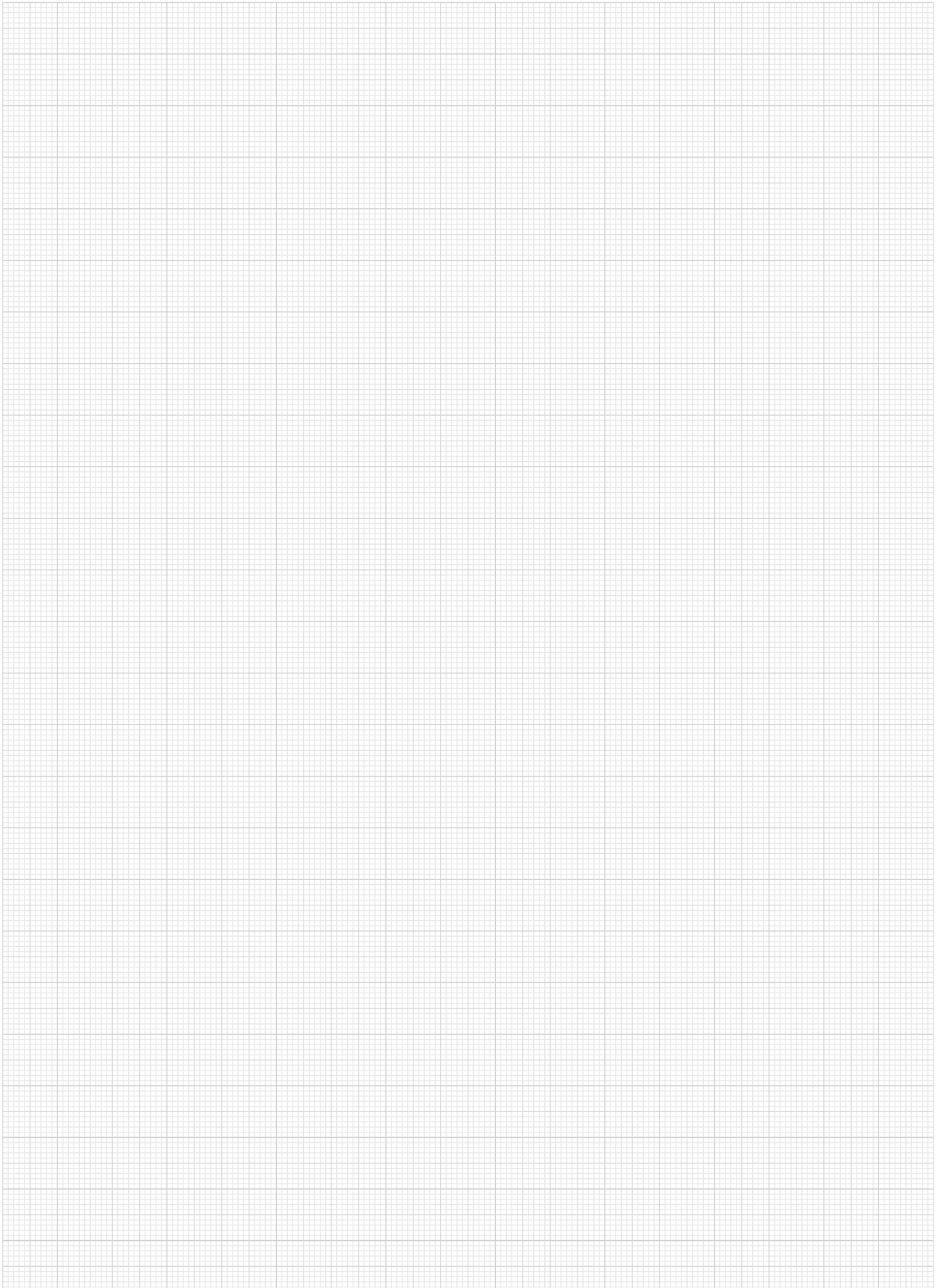
From the front or rear.



KIPP Pull handles

Order No.	Main material	A	B	C	D	H	L	L1	SW	T	T1	Load capacity N
K0190.209406	polypropylene	94	21	8	6,6	36	109	76	10	13	6	500
K0190.211708	polypropylene	117	26	10	9	41	136	94	13	15	8	800
K0190.213208	polypropylene	132	27	11	9	44	154	112	13	16	8	800
K0190.215008	polypropylene	150	27	11	9	44	172	132	13	16	8	800
K0190.217908	polypropylene	179	28	11	9	50	197	156	13	17	8	800

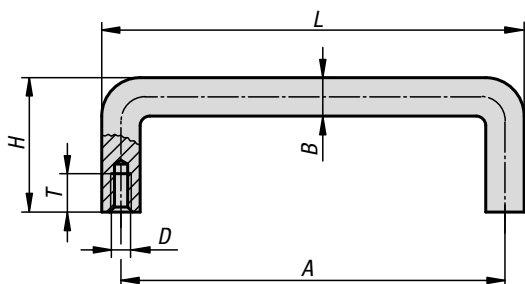
Order No.	Main material	A	B	C	D	H	L	L1	SW	T	T1	Load capacity N
K0190.109406Δ	polyamide	94	21	8	6,6	36	109	76	10	13	6	1000
K0190.111708Δ	polyamide	117	26	10	9	41	136	94	13	15	8	1500
K0190.113208Δ	polyamide	132	27	11	9	44	154	112	13	16	8	1500
K0190.115008Δ	polyamide	150	27	11	9	44	172	132	13	16	8	1500
K0190.117908Δ	polyamide	179	28	11	9	50	197	156	13	17	8	1500



Pull handles, aluminium

round

19"



Material:

Aluminium.

Version:

Natural or black anodised.

Sample order:

K0201.064043

Note for ordering:

Order the fastening material and end washers separately.

Assembly:

From the rear.

Accessories:

End washers K0201.

KIPP Pull handles, aluminium, round

Order No. black	Order No. natural	A	B	D	H	L	T	Load capacity N	Order No. end washer
K0201.032041	K0201.032043	32	8	M4	32	40	10	500	K0201.4/K0201.5
K0201.055041	K0201.055043	55	8	M4	32	63	10	500	K0201.4/K0201.5
K0201.064041	K0201.064043	64	8	M4	32	72	10	500	K0201.4/K0201.5
K0201.076041	K0201.076043	76	8	M4	32	84	10	500	K0201.4/K0201.5
K0201.088041	K0201.088043	88	8	M4	32	96	10	500	K0201.4/K0201.5
K0201.096041	K0201.096043	96	8	M4	32	104	10	500	K0201.4/K0201.5
K0201.098041	K0201.098043	98	8	M4	32	106	10	500	K0201.4/K0201.5
K0201.100041	K0201.100043	100	8	M4	32	108	10	500	K0201.4/K0201.5
K0201.102041	K0201.102043	102	8	M4	32	110	10	500	K0201.4/K0201.5
K0201.120041	K0201.120043	120	8	M4	32	128	10	500	K0201.4/K0201.5
K0201.136041	K0201.136043	136	8	M4	32	144	10	500	K0201.4/K0201.5

Pull handles, aluminium

round

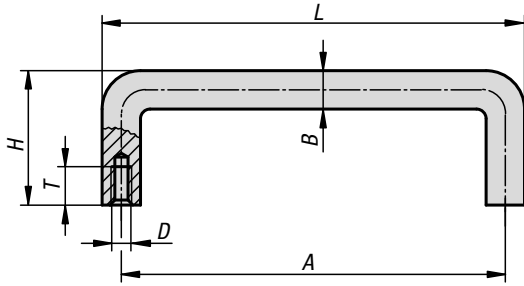
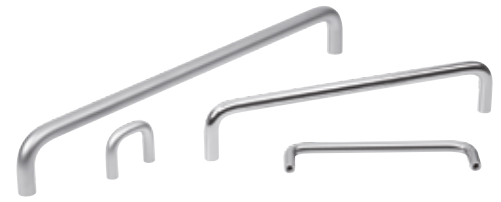


19"

Order No. black	Order No. natural	A	B	D	H	L	T	Load capacity N	Order No. end washer
K0201.055051	K0201.055053	55	10	M5	40	65	10	500	K0201.1/K0201.3
K0201.064051	K0201.064053	64	10	M5	40	74	10	500	K0201.1/K0201.3
K0201.076051	K0201.076053	76	10	M5	40	86	10	500	K0201.1/K0201.3
K0201.088051	K0201.088053	88	10	M5	40	98	10	500	K0201.1/K0201.3
K0201.096051	K0201.096053	96	10	M5	40	106	10	500	K0201.1/K0201.3
K0201.098051	K0201.098053	98	10	M5	40	108	10	500	K0201.1/K0201.3
K0201.100051	K0201.100053	100	10	M5	40	110	10	500	K0201.1/K0201.3
K0201.102051	K0201.102053	102	10	M5	40	112	10	500	K0201.1/K0201.3
K0201.120051	K0201.120053	120	10	M5	40	130	10	500	K0201.1/K0201.3
K0201.136051	K0201.136053	136	10	M5	40	146	10	500	K0201.1/K0201.3
K0201.140051	K0201.140053	140	10	M5	40	150	10	500	K0201.1/K0201.3
K0201.160051	K0201.160053	160	10	M5	40	170	10	500	K0201.1/K0201.3
K0201.180051	K0201.180053	180	10	M5	40	190	10	500	K0201.1/K0201.3
K0201.200051	K0201.200053	200	10	M5	40	210	10	500	K0201.1/K0201.3
K0201.235051	K0201.235053	235	10	M5	40	245	10	500	K0201.1/K0201.3
K0201.250051	K0201.250053	250	10	M5	40	260	10	500	K0201.1/K0201.3
K0201.300051	K0201.300053	300	10	M5	40	310	10	500	K0201.1/K0201.3
K0201.350051	K0201.350053	350	10	M5	40	360	10	500	K0201.1/K0201.3
K0201.120061	K0201.120063	120	12	M6	42	132	12	500	K0201.6/K0201.7
K0201.136061	K0201.136063	136	12	M6	42	148	12	500	K0201.6/K0201.7
K0201.140061	K0201.140063	140	12	M6	42	152	12	500	K0201.6/K0201.7
K0201.160061	K0201.160063	160	12	M6	42	172	12	500	K0201.6/K0201.7
K0201.180061	K0201.180063	180	12	M6	42	192	12	500	K0201.6/K0201.7
K0201.200061	K0201.200063	200	12	M6	42	212	12	500	K0201.6/K0201.7
K0201.235061	K0201.235063	235	12	M6	42	247	12	500	K0201.6/K0201.7
K0201.250061	K0201.250063	250	12	M6	42	262	12	500	K0201.6/K0201.7
K0201.300061	K0201.300063	300	12	M6	42	312	12	500	K0201.6/K0201.7
K0201.350061	K0201.350063	350	12	M6	42	362	12	500	K0201.6/K0201.7
K0201.140081	K0201.140083	140	16	M8	58	156	12	500	-
K0201.160081	K0201.160083	160	16	M8	58	176	12	500	-
K0201.180081	K0201.180083	180	16	M8	58	196	12	500	-
K0201.200081	K0201.200083	200	16	M8	58	216	12	500	-
K0201.235081	K0201.235083	235	16	M8	58	251	12	500	-
K0201.250081	K0201.250083	250	16	M8	58	266	12	500	-
K0201.300081	K0201.300083	300	16	M8	58	316	12	500	-
K0201.350081	K0201.350083	350	16	M8	58	366	12	500	-
K0201.200101	K0201.200103	200	20	M10	70	220	19	500	-
K0201.235101	K0201.235103	235	20	M10	70	255	19	500	-
K0201.250101	K0201.250103	250	20	M10	70	270	19	500	-
K0201.300101	K0201.300103	300	20	M10	70	320	19	500	-
K0201.350101	K0201.350103	350	20	M10	70	370	19	500	-

Pull handles stainless steel

round



Material:

Stainless steel 1.4404.

Version:

Polished or blasted.

Sample order:

K1793.076031

Note for ordering:

Order the fastening material and end washers separately.

Accessories:

End washers K1823.

Washers K0868.

Washers K1150.

Hex head bolts K0871.

Screws K1796.

Cap screws K0869.



KIPP Stainless steel pull handles, round

Order No. smooth polished	Order No. matt blasted	A	B	D	H	L	T	Load capacity N
K1793.032031	K1793.032033	32	5	M3	24	37	6	500
K1793.042031	K1793.042033	42	5	M3	24	47	6	500
K1793.055031	K1793.055033	55	5	M3	24	60	6	500
K1793.064031	K1793.064033	64	5	M3	24	69	6	500
K1793.076031	K1793.076033	76	5	M3	24	81	6	500
K1793.088031	K1793.088033	88	5	M3	24	93	6	500
K1793.032041	K1793.032043	32	8	M4	32	40	8	500
K1793.042041	K1793.042043	42	8	M4	32	50	8	500
K1793.055041	K1793.055043	55	8	M4	32	63	8	500
K1793.064041	K1793.064043	64	8	M4	32	72	8	500
K1793.076041	K1793.076043	76	8	M4	32	84	8	500
K1793.088041	K1793.088043	88	8	M4	32	96	8	500
K1793.096041	K1793.096043	96	8	M4	32	104	8	500
K1793.098041	K1793.098043	98	8	M4	32	106	8	500
K1793.100041	K1793.100043	100	8	M4	32	108	8	500
K1793.102041	K1793.102043	102	8	M4	32	110	8	500
K1793.120041	K1793.120043	120	8	M4	32	128	8	500
K1793.136041	K1793.136043	136	8	M4	32	144	8	500

Pull handles stainless steel

round



Order No. smooth polished	Order No. matt blasted	A	B	D	H	L	T	Load capacity N
K1793.055051	K1793.055053	55	10	M5	40	65	10	1000
K1793.064051	K1793.064053	64	10	M5	40	74	10	1000
K1793.076051	K1793.076053	76	10	M5	40	86	10	1000
K1793.088051	K1793.088053	88	10	M5	40	98	10	1000
K1793.096051	K1793.096053	96	10	M5	40	106	10	1000
K1793.098051	K1793.098053	98	10	M5	40	108	10	1000
K1793.100051	K1793.100053	100	10	M5	40	110	10	1000
K1793.102051	K1793.102053	102	10	M5	40	112	10	1000
K1793.120051	K1793.120053	120	10	M5	40	130	10	1000
K1793.136051	K1793.136053	136	10	M5	40	146	10	1000
K1793.140051	K1793.140053	140	10	M5	40	150	10	1000
K1793.160051	K1793.160053	160	10	M5	40	170	10	1000
K1793.180051	K1793.180053	180	10	M5	40	190	10	1000
K1793.200051	K1793.200053	200	10	M5	40	210	10	1000
K1793.235051	K1793.235053	235	10	M5	40	245	10	1000
K1793.250051	K1793.250053	250	10	M5	40	260	10	1000
K1793.300051	K1793.300053	300	10	M5	40	310	10	1000
K1793.350051	K1793.350053	350	10	M5	40	360	10	1000
K1793.120061	K1793.120063	120	12	M6	42	132	12	1000
K1793.136061	K1793.136063	136	12	M6	42	148	12	1000
K1793.140061	K1793.140063	140	12	M6	42	152	12	1000
K1793.160061	K1793.160063	160	12	M6	42	172	12	1000
K1793.180061	K1793.180063	180	12	M6	42	192	12	1000
K1793.200061	K1793.200063	200	12	M6	42	212	12	1000
K1793.235061	K1793.235063	235	12	M6	42	247	12	1000
K1793.250061	K1793.250063	250	12	M6	42	262	12	1000
K1793.300061	K1793.300063	300	12	M6	42	312	12	1000
K1793.350061	K1793.350063	350	12	M6	42	362	12	1000
K1793.140081	K1793.140083	140	16	M8	58	156	12	1000
K1793.160081	K1793.160083	160	16	M8	58	176	12	1000
K1793.180081	K1793.180083	180	16	M8	58	196	12	1000
K1793.200081	K1793.200083	200	16	M8	58	216	12	1000
K1793.235081	K1793.235083	235	16	M8	58	251	12	1000
K1793.250081	K1793.250083	250	16	M8	58	266	12	1000
K1793.300081	K1793.300083	300	16	M8	58	316	12	1000
K1793.350081	K1793.350083	350	16	M8	58	366	12	1000

End washers, aluminium

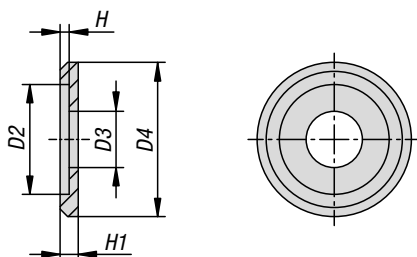


The end washers are designed for round pull handles. The washer enlarges the screw-on surface, thus minimising the risk of breaking through with thin-walled sheets.

Material:
Aluminium.

Version:
Natural or black anodised.

Sample order:
K0201.3



KIPP End washers, aluminium

Order No.	Main colour	D2	D3	D4	H	H1	for screws
K0201.5	natural	8,1	4,2	12,5	1	2	M4
K0201.3	natural	10,1	5,2	15	1	2	M5
K0201.7	natural	12,1	6,2	17	1	2	M6
K0201.4	black	8,1	4,2	12,5	1	2	M4
K0201.1	black	10,1	5,2	15	1	2	M5
K0201.6	black	12,1	6,2	17	1	2	M6

End washer stainless steel



The end washers are designed for round pull handles. The washer enlarges the screw-on surface, thus minimising the risk of breaking through with thin-walled sheets.

Material:

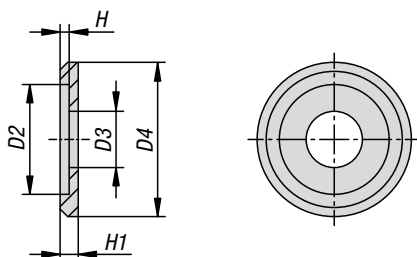
1.4404 or 1.4305 stainless steel.

Version:

1.4404 polished or abrasive blasted.
1.4305 bright.

Sample order:

K1823.0621



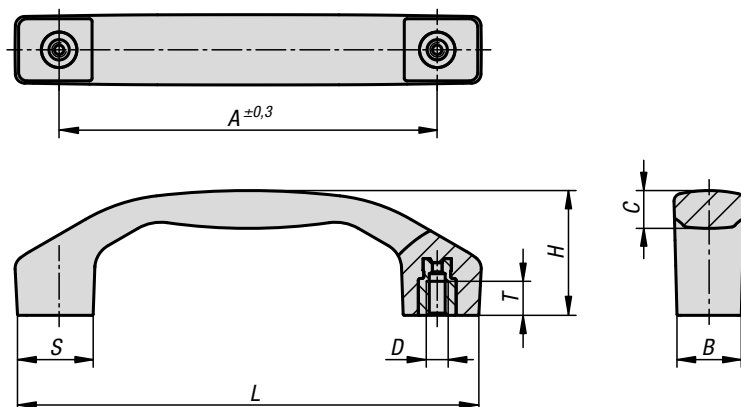
KIPP End washer stainless steel

Order No. 1.4404 smooth polished	Order No. 1.4404 matt blasted	Order No. 1.4305 bright	D2	D3	D4	H	H1	for screws
K1823.0321	K1823.0322	K1823.0310	5,1	3,2	8	1	2	M3
K1823.0421	K1823.0422	K1823.0410	8,1	4,2	12,5	1	2	M4
K1823.0521	K1823.0522	K1823.0510	10,1	5,2	15	1	2	M5
K1823.0621	K1823.0622	K1823.0610	12,1	6,2	17	1	2	M6

Pulls handles, plastic, detectable



MD



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021.
Steel parts bright stainless steel.

Sample order:

K1060.142100052

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface. Screw-on dimension „A“ applies after grip assembly. In the unassembled state it may deviate through flexural stress by deforming.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Assembly:

From the rear.

Advantages:

- Metal detectable.
- Detections volume ≥ 0.027 cm³.
- Foodstuff conform material.

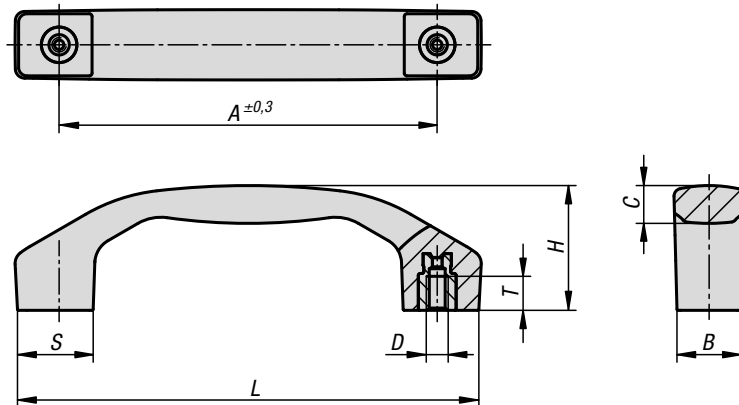
KIPP Pulls handles, plastic, detectable

Order No.	Form	A	B	C	D	H	L	S	T	Load capacity N
K1060.142100052	B	100	17	9,5	M5	33	122	20	9	1000
K1060.142120062	B	120	21	11,4	M6	39	146	24	12	1000
K1060.142140082	B	140	24	14,2	M8	45	170	28	12	1000

Pulls handles, plastic, optically detectable



VD



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002.
Steel parts bright stainless steel.

Sample order:

K1060.132120062

Note:

Screw-on dimension „A“ applies after grip assembly. In the unassembled state it may deviate through flexural stress by deforming.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Assembly:

From the rear.

Advantages:

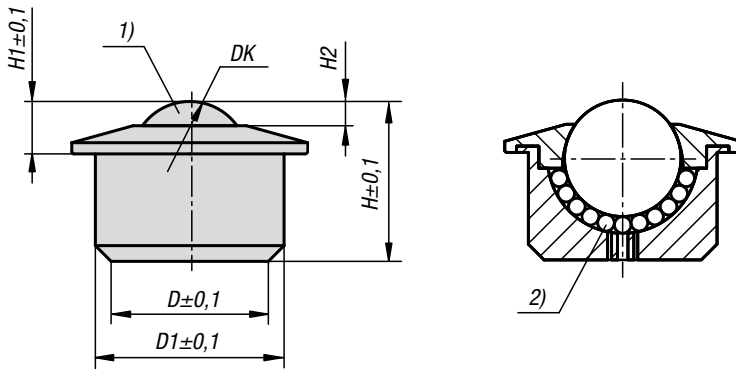
- visually detectable.
- Ultra marine RAL 5002.
- Foodstuff conform material.

KIPP Pulls handles, plastic, optically detectable

Order No.	Form	A	B	C	D	H	L	S	T	Load capacity N
K1060.132100052	B	100	17	9,5	M5	33	122	20	9	1000
K1060.132120062	B	120	21	11,4	M6	39	146	24	12	1000
K1060.132140082	B	140	24	14,2	M8	45	170	28	12	1000

Ball transfer units

with plastic housing



Material:

Housing and cap POM.
Bearing ball stainless steel.
Load ball stainless steel or plastic.

Version:

Stainless steel, hardened.

Sample order:

K1827.220

Note:

The ball transfer units are made of a certified blue plastic which is suitable for use in the foodstuff sector. The ball transfer units are equipped with a gap-free and sealed cap, which prevents the formation of soiled edges.

The dirt holes underneath the housing enable particularly easy cleaning of the ball transfer units.

Conveying speed up to 1.5 m/s.

Foodstuff conform: Food Grade, EU Regulation 1935/2004, EU Regulation 10/2011.

Temperature range:

-30 °C to +50 °C (up to +30°C with plastic load balls)

Drawing reference:

- 1) Load ball
- 2) Bearing balls

Form A: cap and housing POM, bearing balls stainless steel, load ball POM

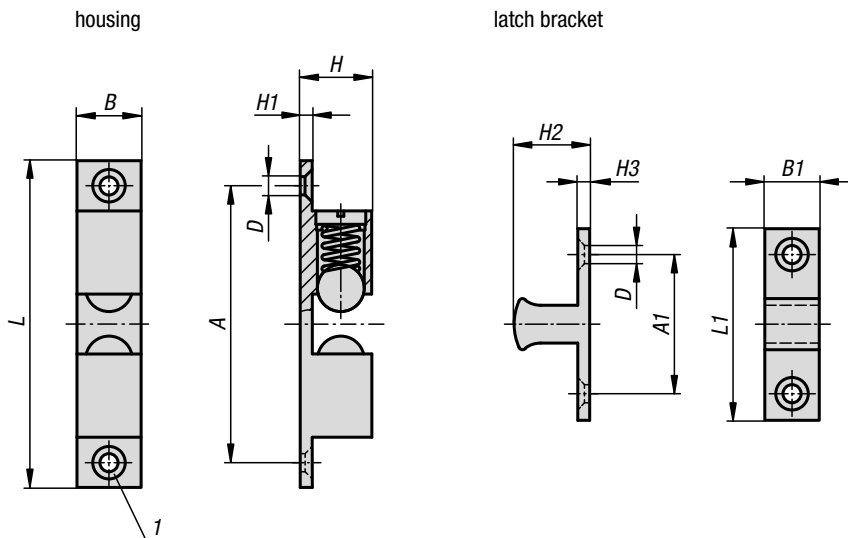
Form B: cap and housing POM, bearing balls stainless steel, load ball stainless steel

KIPP Ball transfer units with plastic housing

Order No.	Form	Form-Type	D	D1	DK	H	H1	H2	Load rating C (N)	Kind of fastening
K1827.150	A	ball POM	24	31	15,875	20,5	9,5	4,5	200	press-in
K1827.220	A	ball POM	36	45	22,225	30,5	10	4,5	250	press-in
K1827.300	A	ball POM	45	55	30	37	14	5,5	350	press-in
K1827.440	A	ball POM	62	75	44,5	53,5	19	9	500	press-in

Order No.	Form	Form-Type	D	D1	DK	H	H1	H2	Load rating C (N)	Kind of fastening
K1827.151	B	ball stainless steel	24	31	15,875	20,5	9,5	4,5	200	press-in
K1827.221	B	ball stainless steel	36	45	22,225	30,5	10	4,5	250	press-in
K1827.301	B	ball stainless steel	45	55	30	37	14	5,5	350	press-in
K1827.441	B	ball stainless steel	62	62	44,5	53,5	19	9	500	press-in

Double ball catches



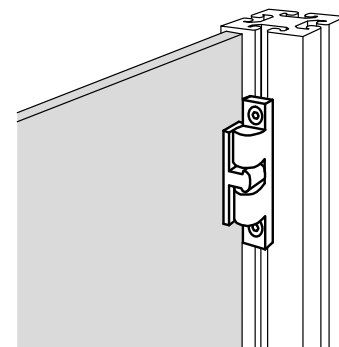
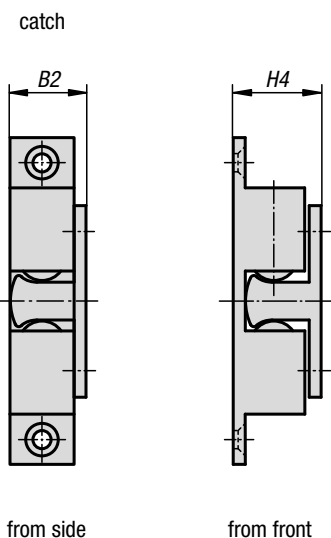
Material:
Housing and latch brass, die-cast zinc or stainless steel 1.4401.
Balls and springs stainless steel.

Version:
Brass and die-cast zinc chromed.
Stainless steel abrasive blasted.
Balls and springs bright stainless steel.

Sample order:
K0583.50

Note:
Quick catch for various applications such as holding doors, hatches, screens etc. closed. The double ball catch consists of a housing and a latch bracket that engages between the two balls. The latch bracket can engage from the front or the side. The engagement pressure is adjustable.

Drawing reference:
1) counterbore DIN 74-A



KIPP Double ball catches

Order No.	Main material	Surface finish body	A	A1	B	B1	B2	D	H	H1	H2	H3	H4	L	L1	Clamping force ca. N	Spring strength
K0583.50	brass	chromed	39,8	19,8	8,8	7,6	10,8	3,8	10,6	2	11,2	2	13,2	49	28,8	35±5	standard
K0583.60	brass	chromed	50	23,5	11	9	13,5	4,8	13,2	2,4	13,5	2,2	15,5	60	35	30±7	standard
K0583.70	brass	chromed	58	30	13	12	15,2	4,8	15	2,4	15,7	2,2	18,1	68,4	40,2	25±5	standard
K0583.322	stainless steel	blasted	25	11	8	8	10	3,2	9	2	8,5	2	11,5	32	18	8	standard
K0583.432	stainless steel	blasted	35	16	8	7,5	10,5	3,2	10	2,5	11	2,5	13,5	43	25	13	standard
K0583.502	stainless steel	blasted	40	20	10	9	12,9	4,2	12,2	2,9	13,2	2,9	15,9	50	30	18	standard
K0583.702	stainless steel	blasted	60	30	13	10,5	17	4,2	17	4	19	4	23	70	42	38	standard
K0583.430	zinc	chromed	35	16	8	7,5	10,5	3,2	10	2,5	11	2,5	13,5	43	25	13	standard
K0583.500	zinc	chromed	40	20	10	9	12,9	4,2	12,2	2,9	13,2	2,9	15,9	50	30	18	standard
K0583.700	zinc	chromed	60	30	13	10,5	17	4,2	17	4	19	4	23	70	42	38	standard

Tube clamps T-angle, aluminum

with ball joint



Tube clamp T-angles are used for the axis-intersection connection of elements. They can be screwed onto machines or frames.

The tube clamps have a 360° rotatable connection plate on the ball joint.

Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted.

The swivel range of the connection plate is 60°.

Material:

Cast aluminium.

ISO 4762 screws and DIN 985 nuts, steel.

Version:

Vibratory ground.

Screws and nuts electro zinc-plated.

Sample order:

K0475.5181

Note:

Can be combined with other tube clamps size 18 mm.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

M6: 10 Nm.

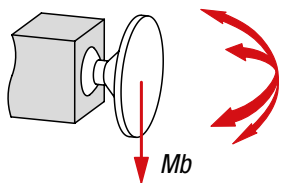
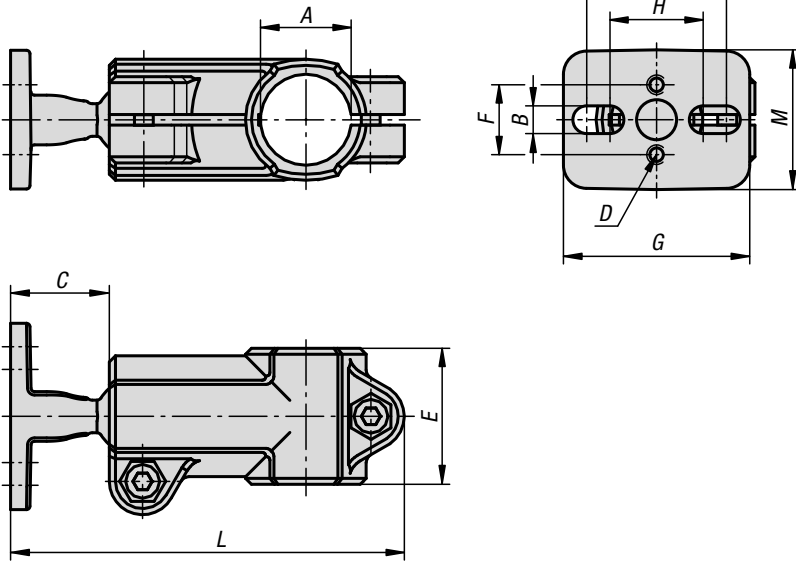
M8: 25 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish.

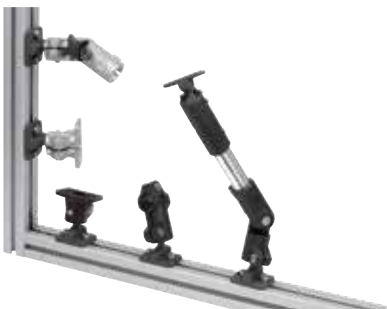
The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:

- Round and square tubes K0493



Flexural torque (Nm)



KIPP Tube clamps T-angle, aluminium with ball joint

Order No.	A	B	C	D	E	F	G	H	K	L	M	Mb (Nm)
K0475.5181	18,1	5,5	21	M5X10	32	15	40	20	30	87	30	9

Tube clamps T-angle, plastic

with ball joint



Tube clamp T-angles are used for the axis-intersection connection of elements. They can be screwed onto machines or frames.

The tube clamps have a 360° rotatable connection plate on the ball joint.

Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted.

The swivel range of the connection plate is 60°.

Material:

Thermoplastic.

DIN 7984 screws and DIN 985 nuts steel.

Version:

Black.

Screws and nuts electro zinc-plated.

Sample order:

K0475.181

Note:

Combinable with other 18 mm tube clamps. Use reducer sleeves if smaller tubes are to be clamped or a conversion from round to square tubes (or vice versa) is required.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

M6: 8 Nm.

M8: 25 Nm.

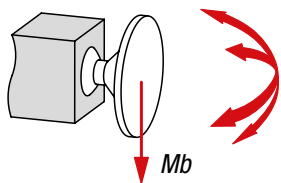
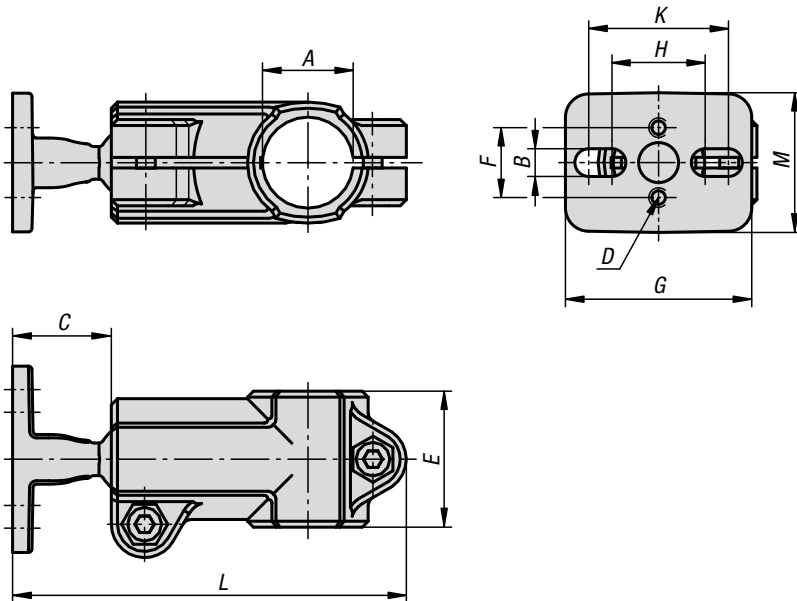
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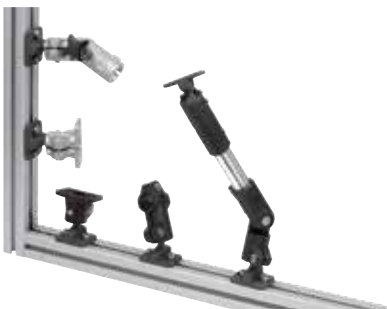
Accessories:

- Reducer sleeves K0492

- Round and square tubes K0493



Flexural torque (Nm)



KIPP Tube clamps T-angle, plastic with ball joint

Order No.	A	B	C	D	E	F	G	H	K	L	M	Mb (Nm)
K0475.181	18,1	5,5	21	M5X10	30	15	40	20	30	85	30	8

Tube clamps base, aluminum

with ball joint



Tube clamp bases are used for angular joints. They can be screwed onto machines or frames. The tube clamps have a 360° rotatable connection plate on the ball joint. Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted. The swivel range of the connection plate is 60°.

Material:
Cast aluminium.
ISO 4762 screws and DIN 985 nuts, steel.

Version:
Vibratory ground.
Screws and nuts electro zinc-plated.

Sample order:
K0477.5181

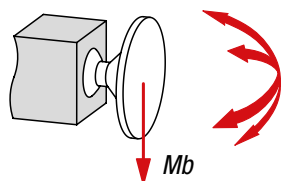
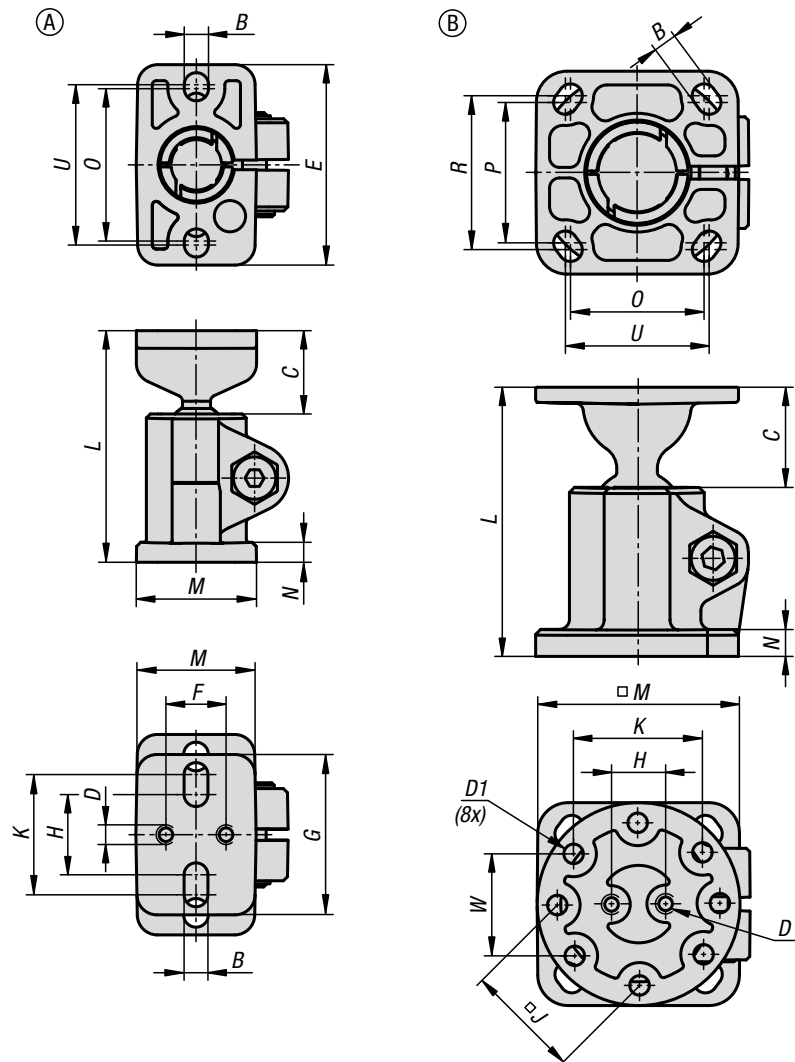
Note:
Can be combined with other tube clamps size 18 mm and 30 mm.

A special coating on the surface of the ball joint ensures high-strength clamping.

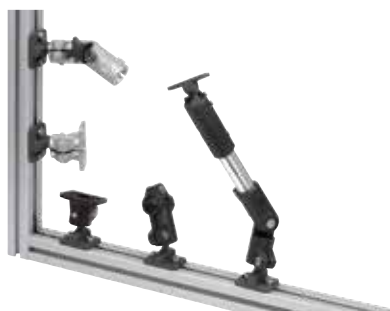
Max. torque when tightening the locking screw:
M6: 10 Nm.
M8: 25 Nm.
M10: 50 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish. The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:
- Round and square tubes K0493



Flexural torque (Nm)



KIPP Tube clamps base, aluminium with ball joint

Order No.	Form	B	C	D	D1	E	F	G	H	K	L	M	N	O	U	J	P	R	W	Mb (Nm)
K0477.5181	A	5,5	21	M5X10	-	50	15	40	20	30	58	30	5	38	40	-	-	-	-	9
K0477.5301	B	7	30	M6	5,8	-	-	-	16	38,1	80	60	8	39,5	42,5	34	41,5	45,5	30,2	40

Tube clamps base, plastic

with ball joint



Tube clamp bases are used for angular joints. They can be screwed onto machines or frames. The tube clamps have a 360° rotatable connection plate on the ball joint. Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted. The swivel range of the connection plate is 60°.

Material:
Thermoplastic.
DIN 7984 screws and DIN 985 nuts steel.

Version:
Black.
Screws and nuts electro zinc-plated.

Sample order:
K0477.181

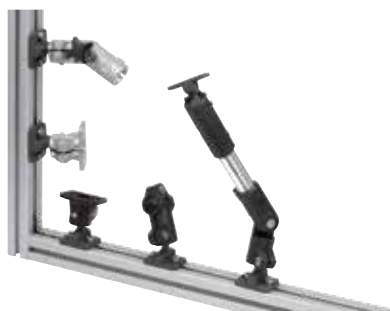
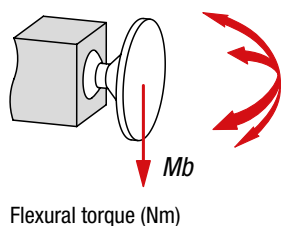
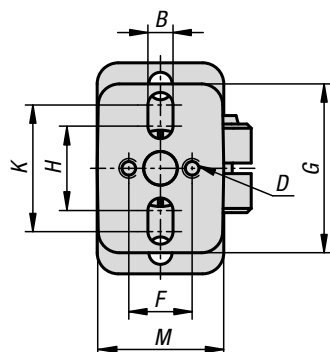
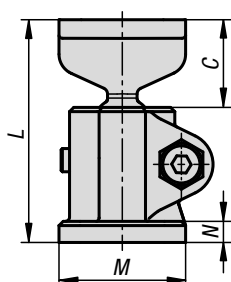
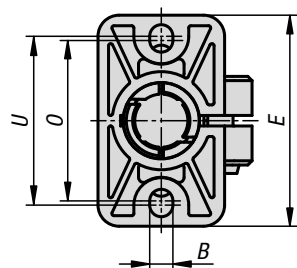
Note:
Combinable with other 18 mm tube clamps. Use reducer sleeves if smaller tubes are to be clamped or a conversion from round to square tubes (or vice versa) is required.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:
M6: 8 Nm.
M8: 25 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish. The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:
- Reducer sleeves K0492
- Round and square tubes K0493

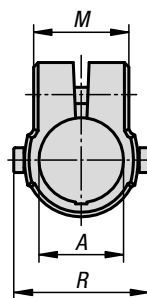
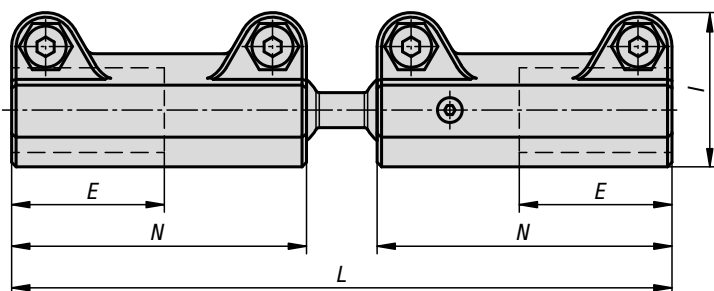


KIPP Tube clamps base, plastic with ball joint

Order No.	B	C	D	E	F	G	H	K	L	M	N	O	U	Mb (Nm)
K0477.181	5,5	21	M5X10	50	15	40	20	30	53	30	5	38	40	5

Tube clamps straight, aluminium

with double ball joint



Straight tube clamps are used for axial joints. They can be screwed onto machines or frames. Two straight tube clamps are joined together over a 60° free-swivelling double ball joint. This enables a very flexibly adjustable tube construction and provides an alternative to conventional welded constructions.

Material:

Cast aluminium.
ISO 4762 screws and DIN 985 nuts, steel.

Version:

Vibratory ground.
Screws and nuts electro zinc-plated.

Sample order:

K0483.530302

Note:

Can be combined with other tube clamps size 30 mm.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

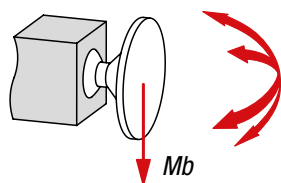
- M6: 10 Nm.
- M8: 25 Nm.
- M10: 50 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish.

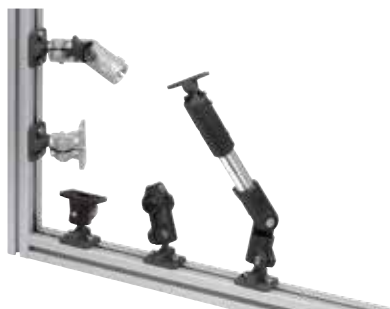
The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:

- Round and square tubes K0493



Flexural torque (Nm)

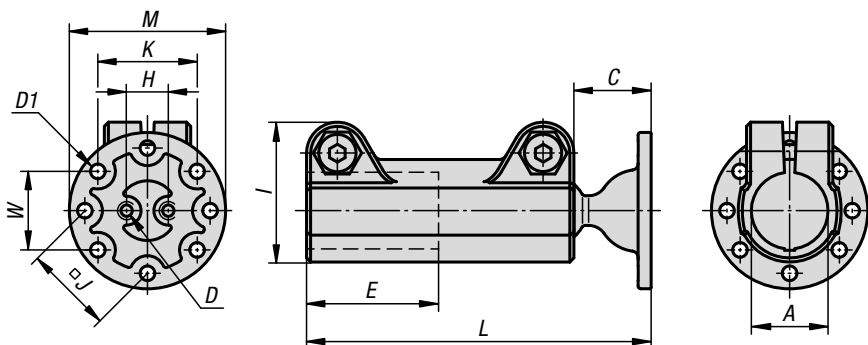


KIPP Tube clamps straight, aluminium with double ball joint

Order No.	A	E	I	L	M	N	R	Mb (Nm)
K0483.530302	30,1	40	53	184	33	80	47	40

Tube clamps straight, aluminum

with ball joint



Straight tube clamps are used for axial joints. They can be screwed onto machines or frames.

The tube clamps have a 360° rotatable connection plate on the ball joint.

Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted.

The swivel range of the connection plate is 60°.

Material:

Cast aluminium.

ISO 4762 screws and DIN 985 nuts, steel.

Version:

Vibratory ground.

Screws and nuts electro zinc-plated.

Sample order:

K0483.5301

Note:

Can be combined with other tube clamps size 30 mm.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

M6: 10 Nm.

M8: 25 Nm.

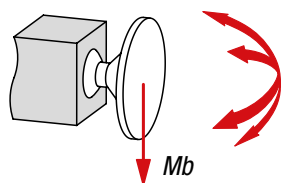
M10: 50 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish.

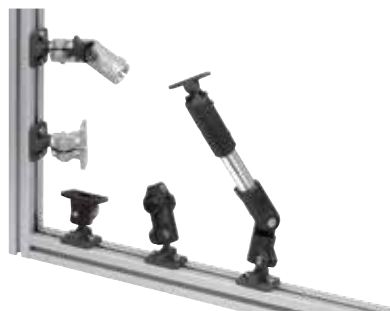
The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:

- Round and square tubes K0493



Flexural torque (Nm)

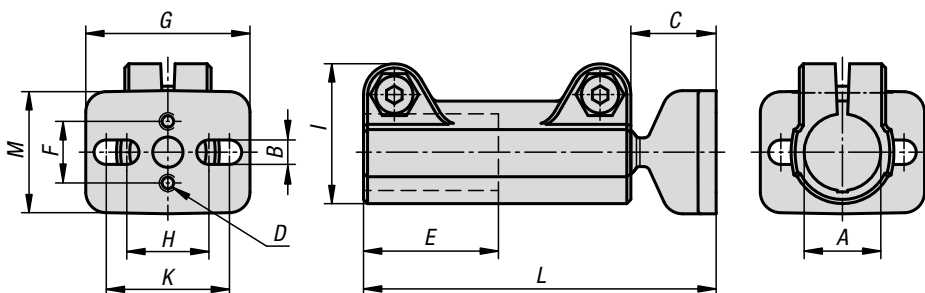


KIPP Tube clamps straight, aluminium with ball joint

Order No.	A	C	D	D1	E	H	I	J	K	L	M	W	Mb (Nm)
K0483.5301	30,1	30	M6	5,8	40	16	53	34	38,1	110	60	30,2	40

Tube clamps straight, plastic

with ball joint



Straight tube clamps are used for axial joints. They can be screwed onto machines or frames. The tube clamps have a 360° rotatable connection plate on the ball joint.

Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted.

The swivel range of the connection plate is 60°.

Material:

Thermoplastic.
DIN 7984 screws and DIN 985 nuts steel.

Version:

Black.
Screws and nuts electro zinc-plated.

Sample order:

K0483.181

Note:

Combinable with other 18 mm tube clamps. Use reducer sleeves if smaller tubes are to be clamped or a conversion from round to square tubes (or vice versa) is required.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

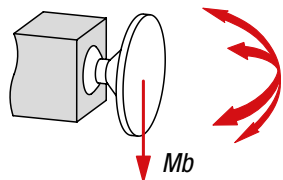
M6: 8 Nm.
M8: 25 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish.

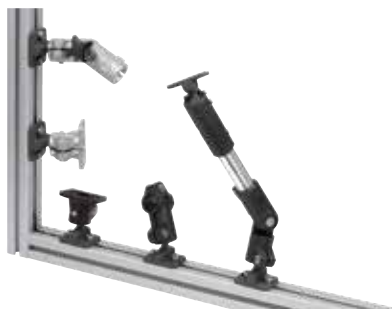
The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:

- Reducer sleeves K0492
- Round and square tubes K0493



Flexural torque (Nm)

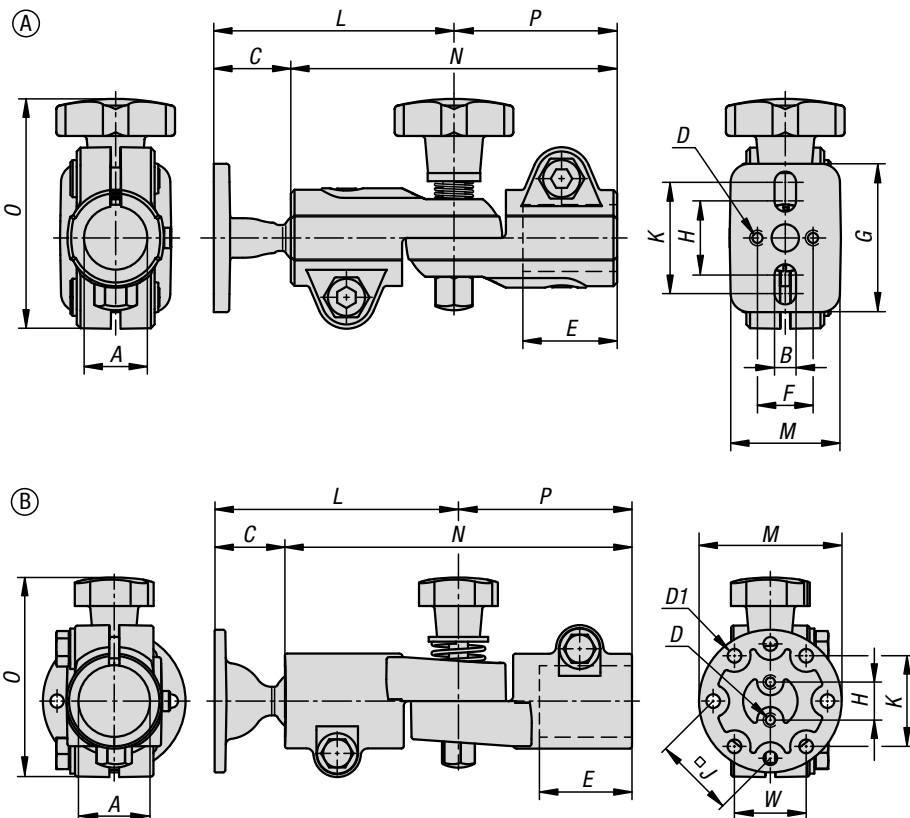


KIPP Tube clamps straight, plastic with ball joint

Order No.	A	B	C	D	E	F	G	H	I	K	L	M	Mb (Nm)
K0483.181	18,1	5,5	21	M5X10	32,5	15	40	20	34	30	86	30	5

Tube clamps swivel, aluminium

with ball joint



Swivel tube clamps have interlocking teeth and can be swivelled through 180° in 15° increments. The tube clamps have a 360° rotatable connection plate on the ball joint and so offer even more adjustment freedom.

Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted.

The swivel range of the connection plate is 60°.

Material:

Cast aluminium.
ISO 4762 screws and DIN 985 nuts, steel.

Version:

Vibratory ground.
Screws and nuts electro zinc-plated.

Sample order:

K0489.5181

Note:

Can be combined with other tube clamps size 18 mm and 30 mm.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:

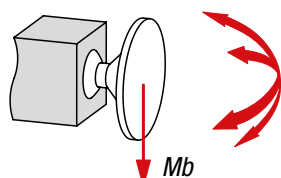
- M6: 10 Nm.
- M8: 25 Nm.
- M10: 50 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish.

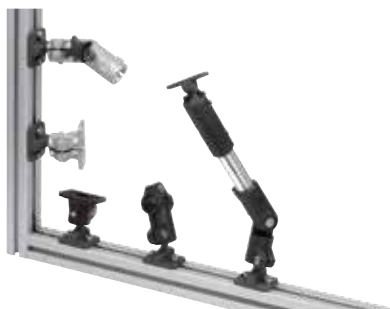
The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:

- Round and square tubes K0493



Flexural torque (Nm)

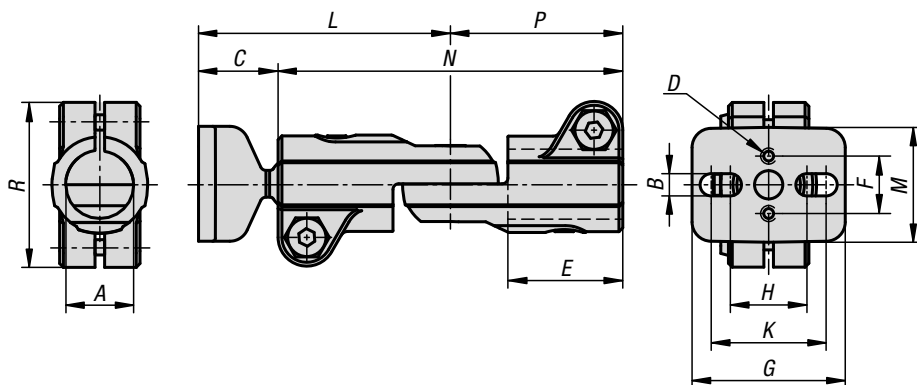


KIPP Tube clamps swivel, aluminium with ball joint

Order No.	Form	A	B	C	D	D1	E	F	G	H	J	K	L	M	N	O	P	W	Mb (Nm)
K0489.5181	A	18,1	5,5	21	M5X10	-	25	15	40	20	-	30	65	30	88	62	44	-	9
K0489.5301	B	30,1	-	30	M6	5,8	45	-	-	16	34	38,1	103	60	146	84	73	30,2	40

Tube clamps swivel, plastic

with ball joint



Swivel tube clamps have interlocking teeth and can be swivelled through 180° in 15° increments. The tube clamps have a 360° rotatable connection plate on the ball joint and so offer even more adjustment freedom. Components such as sensors, reflectors and other elements can be fastened to these and individually adjusted. Suitable for components that need to be precisely aligned and often readjusted. The swivel range of the connection plate is 60°.

Material:
Thermoplastic.
DIN 7984 screws and DIN 985 nuts steel.

Version:
Black.
Screws and nuts electro zinc-plated.

Sample order:
K0489.181

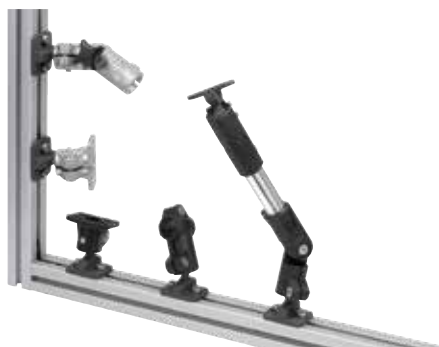
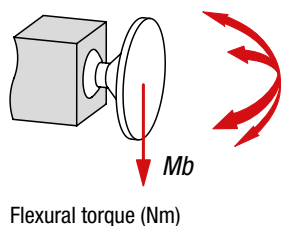
Note:
Combinable with other 18 mm tube clamps. Use reducer sleeves if smaller tubes are to be clamped or a conversion from round to square tubes (or vice versa) is required.

A special coating on the surface of the ball joint ensures high-strength clamping.

Max. torque when tightening the locking screw:
M6: 8 Nm.
M8: 25 Nm.

The stated forces and torques are non-binding guidelines that may not be achievable due to diverse application conditions e.g. temperature or surface finish. The details constitute neither a guarantee of the quality nor a warranted characteristic of the products.

Accessories:
- Reducer sleeves K0492
- Round and square tubes K0493



KIPP Tube clamps swivel, plastic with ball joint

Order No.	A	B	C	D	E	F	G	H	K	L	M	N	P	R	Mb (Nm)
K0489.181	18,1	5,5	21	M5X10	30	15	40	20	30	66	30	90	45	43	8

Hinges steel or stainless steel

weldable



Material:
Steel or stainless steel.

Version:
Profile steel bright.
Stainless steel 1.4301.

Sample order:
K1805.00300300403

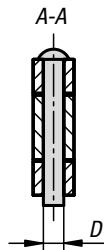
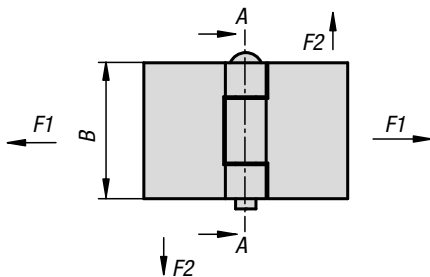
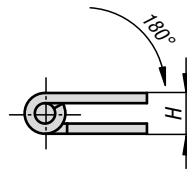
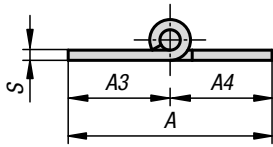
Note:
The loading values given for the hinges are non-binding reference values without consideration of safety factors and exclude any liability. The values given are for information purposes only and do not constitute a legally binding assurance of properties.

The load values have been determined under laboratory conditions. Each user must determine individually whether the hinge is suitable for the respective application.

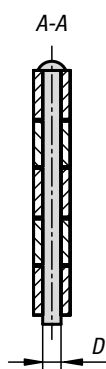
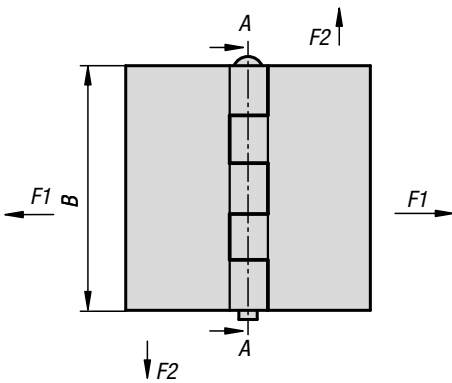
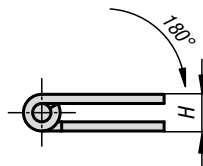
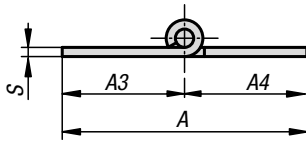
Different materials attached to the hinge and the type of attachment used, meteorological conditions and wear can effect the calculated values.

Assembly:
Through welding or customised holes.

B=30/40/60



B=80/100



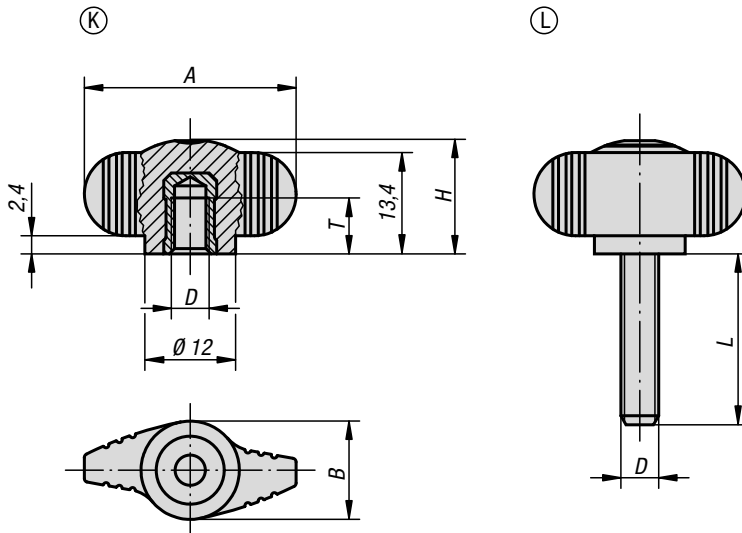
KIPP Hinges, steel or stainless steel, weldable

Order No. steel	Order No. stainless steel	A	B	D	A3	A4	H	S	F1 N	F2 N
K1805.00300300303	K1805.10300300303	60	30	6	30	30	12	3	800/700	1200/1000
K1805.00300300403	K1805.10300300403	60	40	6	30	30	12	3	800/700	1200/1000
K1805.00300300603	K1805.10300300603	60	60	6	30	30	12	3	1200/1000	1800/1500
K1805.00400400303	K1805.10400400303	80	30	6	40	40	12	3	800/700	800/600
K1805.00400400403	K1805.10400400403	80	40	6	40	40	12	3	800/700	1000/800
K1805.00400400803	K1805.10400400803	80	80	6	40	40	12	3	1200/1000	1800/1500
K1805.00500501003	K1805.10500501003	100	100	6	50	50	12	3	1200/1000	1800/1500

Wing grips „Miniwing“, plastic, metal detectable



MD



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021.
Steel parts bright stainless steel.

Sample order:

K0274.140005

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

Metal detectable.
Detections volume ≥ 0.027 cm³.
Foodstuff conform material.

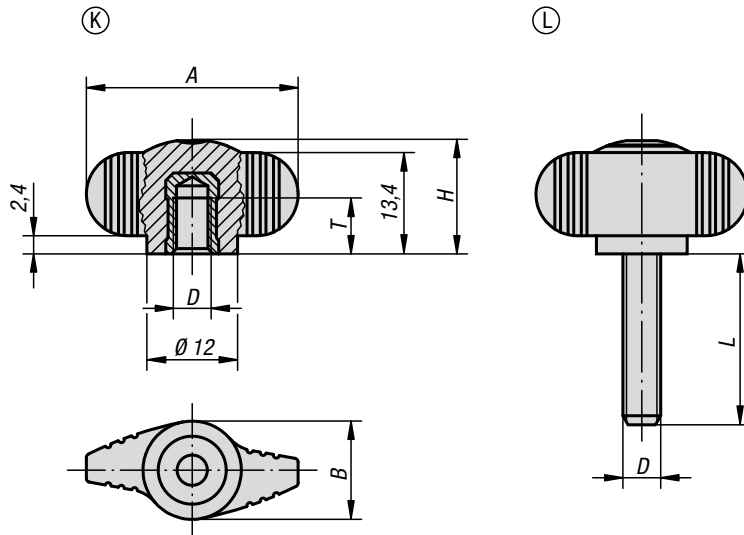
KIPP Wing grips „Miniwing“, plastic, metal detectable

Order No.	Form	A	B	D	H	L	T
K0274.140005	K	28	13	M5	15	-	7,5
K0274.140006	K	28	13	M6	15	-	9
K0274.140005X20	L	28	13	M5	15	20	-
K0274.140006X20	L	28	13	M6	15	20	-

Wing grips „Miniwing“, plastic, optically detectable



VD



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002.
Steel parts bright stainless steel.

Sample order:

K0274.130005

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

visually detectable.
Ultra marine RAL 5002.
Foodstuff conform material.

KIPP Wing grips „Miniwing“, plastic, optically detectable

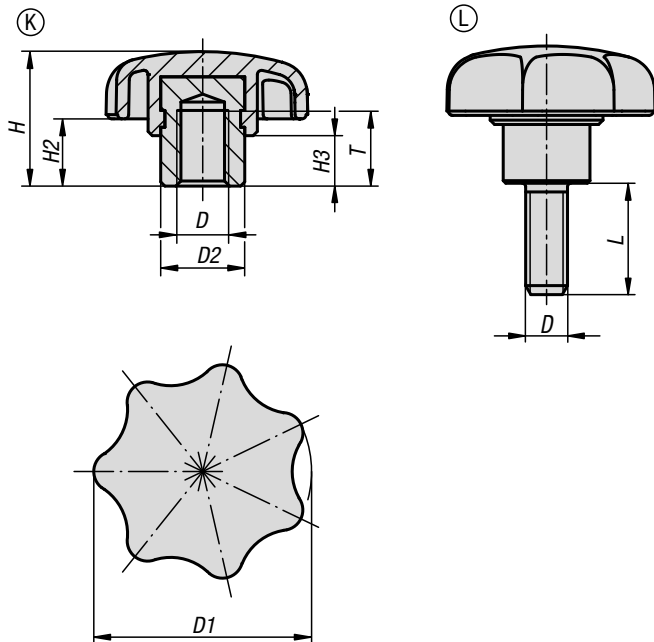
Order No.	Form	A	B	D	H	L	T
K0274.130005	K	28	13	M5	15	-	7,5
K0274.130006	K	28	13	M6	15	-	9
K0274.130005X20	L	28	13	M5	15	20	-
K0274.130006X20	L	28	13	M6	15	20	-

Star grips, plastic, metal detectable

with protruding steel bush



MD



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021.
Steel parts bright stainless steel.

Sample order:

K0153.14506X20

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

Metal detectable.
Detections volume ≥ 0.027 cm³.
Foodstuff conform material.

Drawing reference:

Form K: tapped bush
Form L: external thread

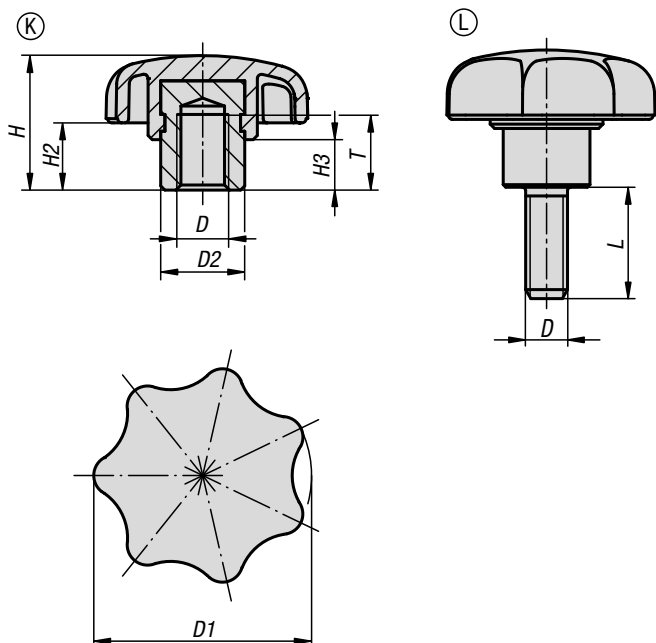
KIPP Star grips, plastic, metal detectable with protruding steel bush

Order No.	Form	D	D1	D2	H	H2	H3	L	T
K0153.14306	K	M6	32	13,5	21	11	9,5	-	12
K0153.14308	K	M8	40	13,5	25	13	10	-	12
K0153.14310	K	M10	50	19	32	17	12	-	17
K0153.14506X20	L	M6	32	13,5	21	11	9,5	20	-
K0153.14508X20	L	M8	40	13,5	25	13	10	20	-
K0153.14508X30	L	M8	40	13,5	25	13	10	30	-
K0153.14510X30	L	M10	50	19	50	32	12	30	-
K0153.14510X40	L	M10	50	19	50	32	12	40	-

Star grips, plastic, visually detectable

with protruding steel bush

VD



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002.
Steel parts bright stainless steel.

Sample order:

K0153.13506X20

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

visually detectable.
Ultra marine RAL 5002.
Foodstuff conform material.

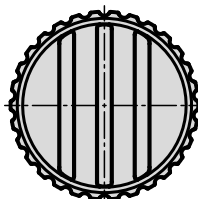
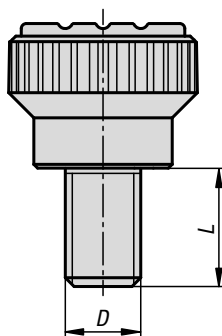
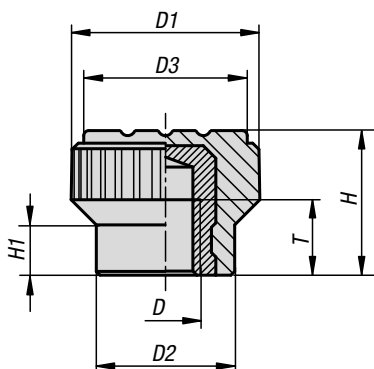
Drawing reference:

Form K: tapped bush
Form L: external thread

KIPP Star grips, plastic, optically detectable with protruding steel bush

Order No.	Form	D	D1	D2	H	H2	H3	L	T
K0153.13306	K	M6	32	13,5	21	11	9,5	-	12
K0153.13308	K	M8	40	13,5	25	13	10	-	12
K0153.13310	K	M10	50	19	32	17	12	-	17
K0153.13506X20	L	M6	32	13,5	21	11	9,5	20	-
K0153.13508X20	L	M8	40	13,5	25	13	10	20	-
K0153.13508X30	L	M8	40	13,5	25	13	10	30	-
K0153.13510X30	L	M10	50	19	50	32	12	30	-
K0153.13510X40	L	M10	50	19	50	32	12	40	-

Knurled knobs, plastic, metal detectable



The metal detectable operating parts are made from a EU10/2011 and FDA conform plastic granulate. Due to special additives to the plastic granulate, it is possible for metal detectors (induction technology) to detect plastic particles from a size of 0.027 cm³ (3x3x3 mm). This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of metal detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), metal detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic black-grey RAL 7021.
Steel parts bright stainless steel.

Sample order:

K0110.140005

Note:

The metal detectable additive can lead to partial colour variations in the plastic surface.

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

Metal detectable.
Detections volume ≥ 0.027 cm³.
Foodstuff conform material.

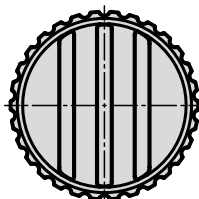
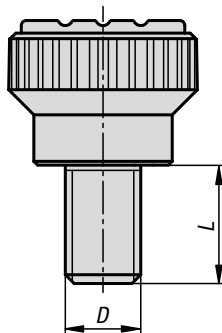
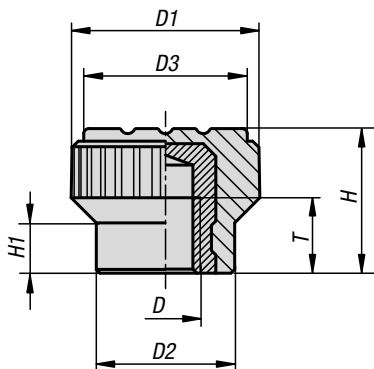
KIPP Knurled knobs with internal thread

Order No.	D	D1	D2	D3	H	H1	T
K0110.140005	M5	15	11	13	11,5	4,3	6

KIPP Knurled knobs with external thread

Order No.	D	D1	D2	D3	H	H1	L
K0110.140005X10	M5	15	11	13	11,5	4,3	10
K0110.140006X20	M6	15	11	13	11,5	4,3	20

Knurled knobs, plastic, optically detectable



The visually detectable operating parts are made from a EU10/2011 and FDA conform blue coloured plastic granulate.

The colour ensures an optically discernible contrast between the operating parts and other media and materials. This means that in sensitive production sectors, e.g. foodstuff processing, plastic fragments of visually detectable operating parts can be identified and the risk of production downtimes or complaints are significantly reduced.

Material:

Thermoplastic (fibreglass reinforced polyamide), visually detectable, EU10/2011 and FDA conform.
Steel parts stainless steel 1.4404.

Version:

Thermoplastic ultra marine RAL 5002.
Steel parts bright stainless steel.

Sample order:

K0110.130005

Application:

- Foodstuff industry
- Pharmaceutical industry
- Packaging industry

Temperature range:

-20°C to +100°C.

Advantages:

- visually detectable.
- Ultra marine RAL 5002.
- Foodstuff conform material.

KIPP Knurled knobs with internal thread

Order No.	D	D1	D2	D3	H	H1	T
K0110.130005	M5	15	11	13	11,5	4,3	6

KIPP Knurled knobs with external thread

Order No.	D	D1	D2	D3	H	H1	L
K0110.130005X10	M5	15	11	13	11,5	4,3	10
K0110.130006X20	M6	15	11	13	11,5	4,3	20

Plastic cylindrical grips,

revolving



Material:

Grip thermoplastic.

Centre pin steel grade 5.8 or stainless steel 1.4404.

Version:

Grip, black.

Steel parts, black oxidised.

Stainless steel bright.

Sample order:

K1468.104

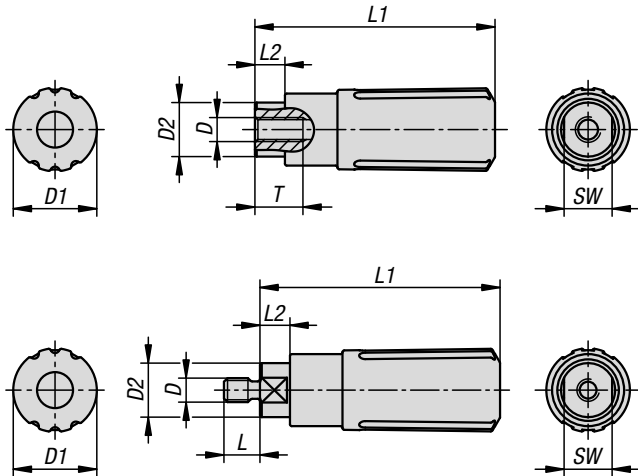
Advantages:

Optimised haptics and good grip

Grips for handwheels and cranks

Various thread sizes

NOVO grip KIPP design



KIPP Cylindrical grips, plastic revolving, internal thread

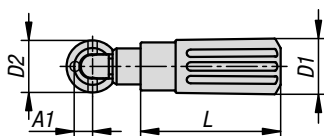
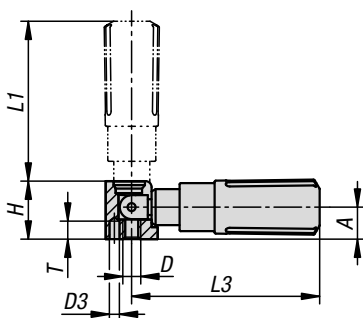
Order No. steel	Order No. stainless steel	Size	D	D1	D2	L1	L2	T	SW
K1468.1104	K1468.3104	1	M4	14	9	40	5	8	8
K1468.1205	K1468.3205	2	M5	16	11	49,1	5,1	10	10
K1468.1306	K1468.3306	3	M6	20	14	61,4	6,4	12	12
K1468.1408	K1468.3408	4	M8	25	18	82,5	12,5	16	15

KIPP Cylindrical grips, plastic revolving, external thread

Order No. steel	Order No. stainless steel	Size	D	D1	D2	L	L1	L2	SW
K1468.104	K1468.2104	1	M4	14	9	6	40	5	8
K1468.205	K1468.2205	2	M5	16	11	7,5	49,1	5,1	10
K1468.306	K1468.2306	3	M6	20	14	9	61,4	6,4	12
K1468.408	K1468.2408	4	M8	25	18	12	82,5	12,5	15

Plastic cylindrical grips,

fold-away



Cylindrical grips are supplied assembled and can be screwed onto handwheels, crank handles, etc. The grooves and conical shape ensure that the cylindrical grips have optimised haptics and good grip.

The fold-down grip prevents protruding edges, which also minimises the risk of injury.

Material:

Grip thermoplastic.
Centre pin steel grade 5.8 or stainless steel 1.4404.
Dowel spring steel or stainless steel 1.4310.
Spring spring steel or stainless steel 1.4568.

Version:

Grip, black.
Steel parts, black oxidised.
Stainless steel bright.

Sample order:

K1469.104

Note:

The hole D3 is used for positioning.

Advantages:

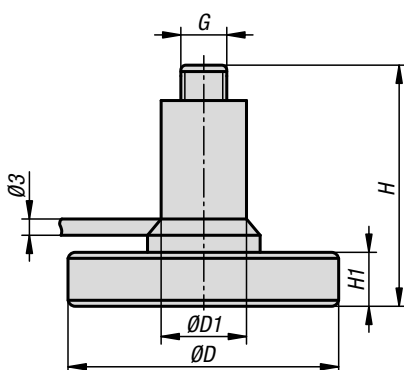
Optimised haptics and good grip
Protruding edges prevented
Grips for handwheels and cranks
Various thread sizes
NOVO grip KIPP design

KIPP Cylindrical grips, plastic fold-down

Order No. steel	Order No. stainless steel	Size	A	A1	D	D1	D2	D3	H	L	L1	L3	T
K1469.104	K1469.1104	1	8	4,3	M4	14	13	2,5	14,5	35	40	47	4,5
K1469.205	K1469.1205	2	10	5,3	M5	16	16	3,5	18	44	49	58	4,5
K1469.306	K1469.1306	3	12,5	6,5	M6	20	20	4,5	22,5	55	59,5	71,5	6
K1469.408	K1469.1408	4	16	9	M8	25	26	5,5	29	70	83	98	6,5

Magnetic base

for WLAN antenna



The magnetic base can be installed between the Gateway and the antenna. Hence, the WLAN range and cover is increased and the reception improved.

Sample order:

K1845.01

Note:

Antenna base for WLAN rod antennas.
 RP-SMA socket/plug.
 Applicable for 2.4 GHz and 5 GHz WLAN products.
 Strong magnet metal base.
 Cable length 1.5 m.

Advantages:

- WLAN antenna base, magnetic
- RP-SMA port
- 1.5 m low-loss cable



KIPP Magnetic base for WLAN antenna

Order No.	Length connection cable	Connection	D	D1	G	H	H1
K1845.01	1,5	RP-SMA socket/plug	48	15	1/4-28	43,5	9,5

Extension cable

for WLAN antenna



Coaxial WLAN antenna extension cable. The cable can be installed between the Gateway and the magnetic base.

Version:

- SMA plug reverse on SMA socket reverse.
- 5 m long cable.

Sample order:

K1846.05000

Advantages:

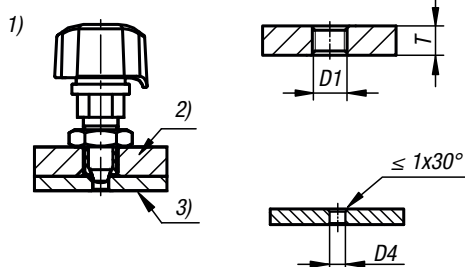
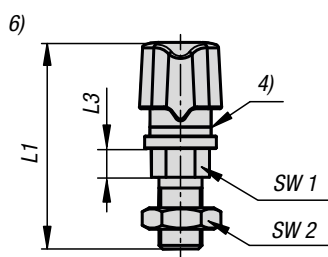
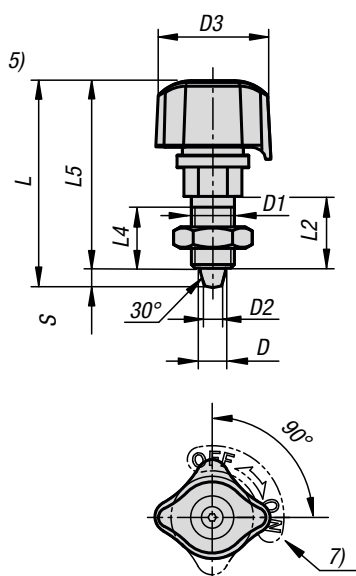
- RP-SMA socket to RP-SM plug
- Signal loss 0.3 dB/m
- Gold-plated contact
- CFD200 coaxial cable

KIPP Extension cable for WLAN antenna

Order No.	P	Connection	G
K1846.05000	5000	RP-SMA socket/plug	1/4-28

Indexing plungers with twist knob

and tapered indexing pin



Drawing reference:

- 1) Installation without bushing K1835
- 2) Mounting plate
- 3) Base plate
- 4) Locked mark
- 5) ON position
- 6) OFF position
- 7) Label

Material:

Housing and pin steel.
Locked mark and label aluminum.
Twist knob thermoplastic PA (polyamide)

Version:

Housing and pin nickel plated.
Locked mark anodised, red.
Twist knob fiberglass reinforced, black.

Sample order:

K1833.0007

Note:

Indexing plungers are used where any change in locking position due to lateral forces should be prevented.
If the locked mark is visible, the pin is either completely retracted or only partly in the indexed position.

Method of operation:

Style A:

Check that the twist knob is in the „OFF“ position and that the pin is retracted.
Slide the plate with the bushing under the indexing plunger.
To clamp, turn the twist knob to the „ON“ position. When fully clamped, an audible click will be heard.
Caution: Do not loosen the clamping of the indexing plunger when the pin is under an axial load. Due to the conical shape, the pin may not retract.

Style B:

With the twist knob in the „OFF“ position, slide the plate with the bushing towards the indexing plunger until the spring locks the pin into the bushing. The twist knob will move automatically to the „MID“ position.
For complete clamping, turn the twist knob from the „MID“ position to the „ON“ position until a click signal is heard.

Supplied with:

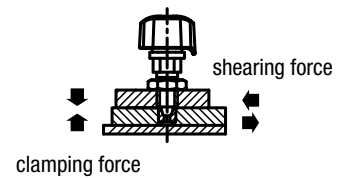
A locknut and a 0.2 mm thick label are supplied.

Accessories:

Drill bushings K1835.

Indexing plungers with twist knob

and tapered indexing pin



Adhesive label
Form A



Adhesive label
Form B

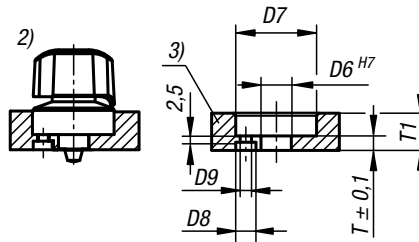
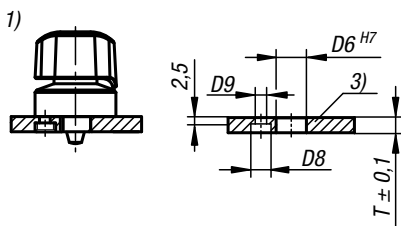
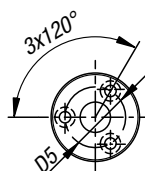
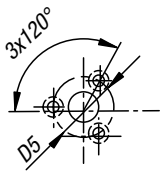
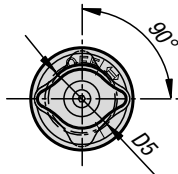
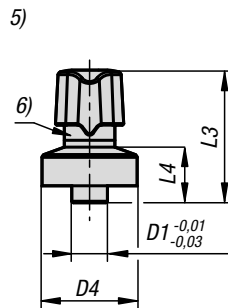
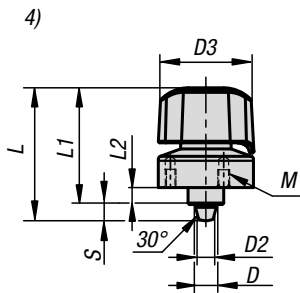
KIPP Indexing plungers steel, with twist knob and tapered indexing pin

Order No.	Form	Form-Type	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	T
K1833.0005	A	without centre position	5	M10x1	3,3	26	3,7-4,6	48,2	48	17	7	15	44	8-10
K1833.0007	A	without centre position	7	M12x1,5	4,9	32	5,3-6,6	57	58	20	8	17	52	9-11
K1833.0107	B	with centre position	7	M12x1,5	4,9	32	5,3-6,6	57	58	20	8	17	52	9-11

Order No.	Form	Travel S	SW1	SW2	Clamping force N	F= Spring strength (N)	Temperature resistance	Shearing force kN
K1833.0005	A	4,2	13	17	140	-	80 °C	0,9
K1833.0007	A	5	14	19	170	-	80 °C	1,3
K1833.0107	B	5	14	19	170	9	80 °C	1,3

Indexing plungers with twist knob

and tapered indexing pin



Drawing reference:

- 1) Mounting option 1
- 2) Mounting option 2
- 3) Plate
- 4) ON position
- 5) OFF position
- 6) Locked mark

Material:

Housing and pin steel.
Locked mark.
Twist knob thermoplastic PA (polyamide)

Version:

Housing and pin nickel plated.
Locked mark anodised, red.
Twist knob fiberglass reinforced, black.

Sample order:

K1834.0007

Note:

Indexing plungers are used where any change in locking position due to lateral forces should be prevented.
If the locked mark is visible, the pin is either completely retracted or only partly in the indexed position.

Mounting option 1 for plate thickness 6 mm.

Mounting option 2 by Form A for plate thickness > 6 up to 14 mm and by Form B for plate thickness > 6 up to 15 mm.

Method of operation:

Style A:

Check that the twist knob is in the „OFF“ position and that the pin is retracted.

Slide the plate with the bushing under the indexing plunger.

To clamp, turn the twist knob to the „ON“ position.

When fully clamped, an audible click will be heard.

Caution: Do not loosen the clamping of the indexing plunger when the pin is under an axial load. Due to the conical shape, the pin may not retract.

Style B:

With the twist knob in the „OFF“ position, slide the plate with the bushing towards the indexing plunger until the spring locks the pin into the bushing.

The twist knob will move automatically to the „MID“ position.

For complete clamping, turn the twist knob from the „MID“ position to the „ON“ position until a click signal is heard.

Supplied with:

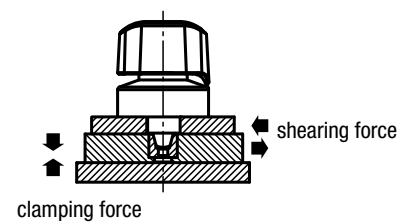
Fastening screws are supplied.

Accessories:

Drill bushings K1835.

Indexing plungers with twist knob

and tapered indexing pin

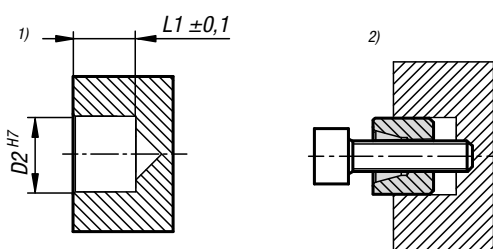
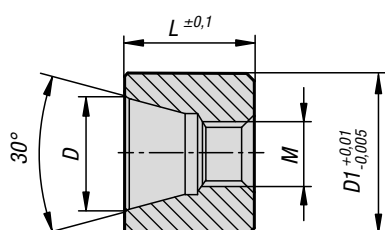


KIPP Indexing plungers steel, with twist knob and tapered indexing pin

Order No.	Form	Form-Type	D	D1	D2	D3	D4	D5	D6	D7	D8	D9	T	T1	L	L1	L2	L3	L4
K1834.0005	A	without centre position	5	10	3,3	26	26	20	10	27	6,5	3,4	6	6-14	38,9	29	5,7	33	11
K1834.0007	A	without centre position	7	12	4,9	32	32	24	12	33	8	4,5	6	6-15	44,7	34	5,7	39	13
K1834.0107	B	with centre position	7	12	4,9	32	32	24	12	33	8	4,5	6	6-15	44,7	34	5,7	39	13

Order No.	Form	Travel S	Clamping force N	F= Spring strength (N)	Temperature resistance	Shearing force kN	M
K1834.0005	A	4,2	140	-	80 °C	0,9	M3x5
K1834.0007	A	5	170	-	80 °C	1,3	M4x6
K1834.0107	B	5	170	9	80 °C	1,3	M4x6

Bushing steel, tapered



Material:
Steel.

Version:
Electro zinc-plated.

Sample order:
K1835.007

Note:
Bushing for indexing plungers K1833 and K1834.

To remove, screw a bolt into the thread.

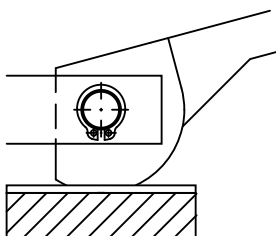
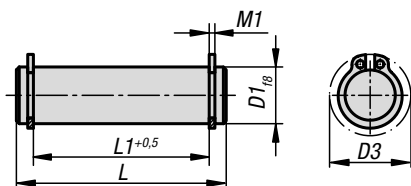
Accessories:
Indexing plungers K1833 and K1834.

Drawing reference:
1) Installation dimensions
2) Dismantling

KIPP Bushing steel, tapered

Order No.	L	D	D1	D2	M	L1
K1835.005	6	5	8	8	M3	6,2
K1835.007	8	7	10	10	M4	8,2

Hinge pins steel or stainless steel



Material:

Steel or stainless steel.

Version:

Steel version:

tempered to 1000 - 1200 N/mm², black oxidised.

Stainless steel version:

tempered to 900 - 1050 N/mm², bright.

Sample order:

K0007.08

Note for ordering:

2 matching DIN 471 circlips are supplied.

Note:

For use with:

Cam levers K0008 and K0009.

Eye bolts K0396 and K1418.

Clevis K0397.

Advantages:

Ground OD.

High dimensional accuracy.

Suitable for use as spare part.

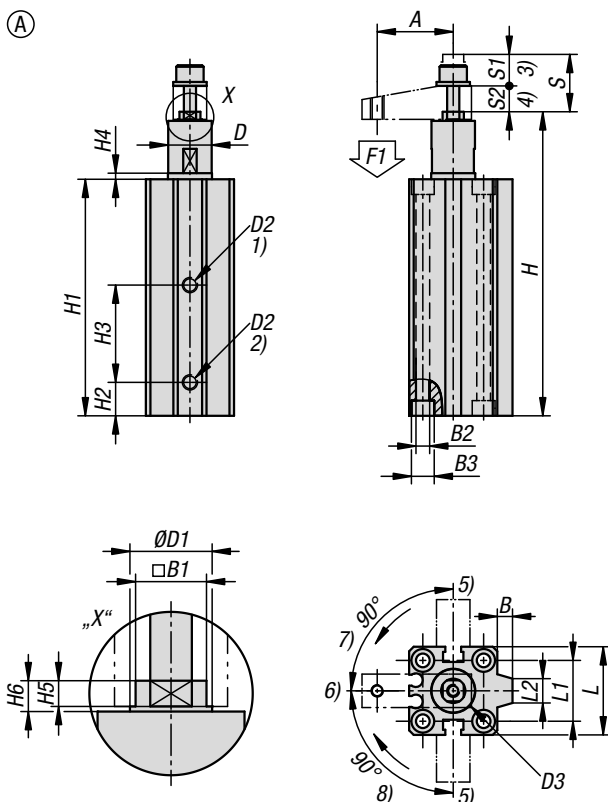
Matching circlips included.

KIPP Hinge pins steel or stainless steel

Order No. steel	Order No. stainless steel	D1	L	L1	M1	D3
K0007.05	K0007.105	5	18	13	0,7	10,7
K0007.06	K0007.106	6	22	17	0,8	12,2
K0007.081	K0007.108	8	20	16	0,9	15,2
K0007.082	K0007.1081	8	27	21	0,9	15,2
K0007.08	K0007.1082	8	30	25	0,9	15,2
K0007.101	K0007.110	10	25	20	1,1	17,6
K0007.102	K0007.1101	10	35	29	1,1	17,6
K0007.10	K0007.1102	10	37	32	1,1	17,6
K0007.121	K0007.112	12	31	25	1,1	19,6
K0007.122	K0007.1121	12	37	31	1,1	19,6
K0007.12	K0007.1122	12	46	40	1,1	19,6
K0007.14	K0007.114	14	44	37	1,1	22
K0007.16	K0007.116	16	48	41	1,1	24,4
K0007.18	K0007.118	18	58	51	1,3	26,8

Swing clamp pneumatic

block body



Material:

Body aluminium.

Piston steel.

Version:

Body silver anodised.

Piston hard chrome-plated

Sample order:

K1812.11220

Note:

Pneumatic swing clamps find use where low clamping forces suffice and where the clamping point has to be cleared to enable placing or removing the workpiece.

Due to the double-acting function of the clamp, pressure is used to move the piston downwards and upwards.

The total travel of the swing clamp consists of the swing travel and the clamping travel. At the start of the clamping process, the clamping arm performs a 90° swing movement. When this movement is completed, the linear down clamping travel is carried out. The workpiece must only be clamped using the clamping travel.

The magnetic piston is prepared for electronic end-position feedback. The swing clamp must not be constrained in its swinging action. F1 = at 6 bar max. permitted operating pressure.

The swing clamp must only be operated using lubricated air.

The clamping arm is not supplied.

On request:

Proximity switch.

Accessories:

K1813 Clamping arm for swing clamp.

Drawing reference:

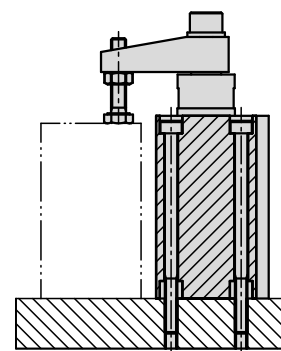
- 1) Clamping
- 2) Releasing
- 3) Swing travel
- 4) Clamping travel
- 5) Relaxed
- 6) Tensioned
- 7) Left swinging
- 8) Right swinging

Swing clamp pneumatic

block body



Installation example:



KIPP Swing clamp pneumatic block body

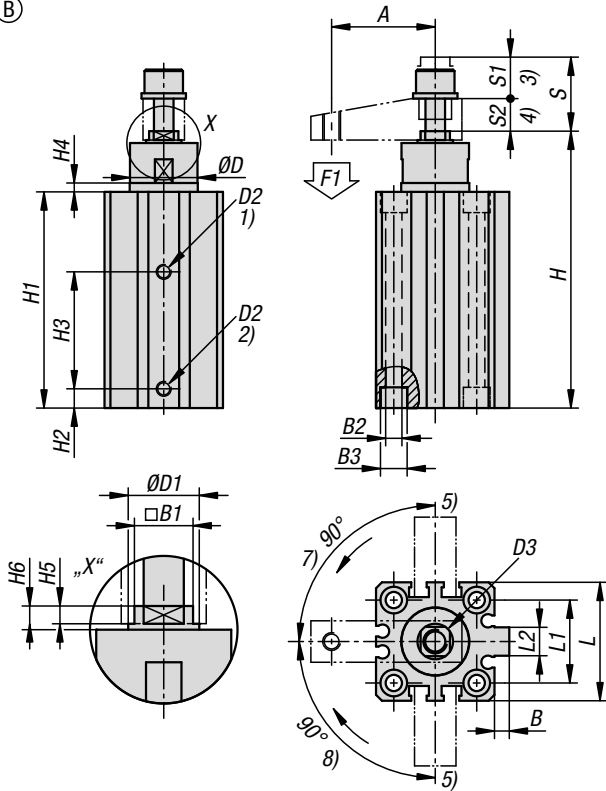
Order No.	Size	Form	Version 2	A	B	B1 max.	B1 min.	B2	B3	D max.	D min.	D1	D2	D3
K1812.11210	12	A	swivel to the right	20	5	4,9	4,8	4,5	7,5	11,5	11,42	6	M5	M03x0,5
K1812.11220	12	A	swivel to the right	20	5	4,9	4,8	4,5	7,5	11,5	11,42	6	M5	M03x0,5
K1812.11610	16	A	swivel to the right	25	5	6,9	6,8	4,5	7,5	14,5	14,42	8	M5	M05x0,8
K1812.11620	16	A	swivel to the right	25	5	6,9	6,8	4,5	7,5	14,5	14,42	8	M5	M05x0,8
K1812.21210	12	A	swivel to the left	20	5	4,9	4,8	4,5	7,5	11,5	11,42	6	M5	M03x0,5
K1812.21220	12	A	swivel to the left	20	5	4,9	4,8	4,5	7,5	11,5	11,42	6	M5	M03x0,5
K1812.21610	16	A	swivel to the left	25	5	6,9	6,8	4,5	7,5	14,5	14,42	8	M5	M05x0,8
K1812.21620	16	A	swivel to the left	25	5	6,9	6,8	4,5	7,5	14,5	14,42	8	M5	M05x0,8

Order No.	H	H1	H2	H3	H4	H5	H6	L	L1	L2	S1	S2	Travel S	F1 N
K1812.11210	100	77,8	12	51	2	2,5	3	25	15,5	8	7,5	10	17,5	59
K1812.11220	130	97,8	12	70	2	2,5	3	25	15,5	8	7,5	20	27,5	59
K1812.11610	100	77,8	12	51	2	2,5	3	29	20	8	7,5	10	17,5	106
K1812.11620	130	97,8	12	70	2	2,5	3	29	20	8	7,5	20	27,5	106
K1812.21210	100	77,8	12	51	2	2,5	3	25	15,5	8	7,5	10	17,5	59
K1812.21220	130	97,8	12	70	2	2,5	3	25	15,5	8	7,5	20	27,5	59
K1812.21610	100	77,8	11	32	2	2,5	3	29	20	8	7,5	10	17,5	106
K1812.21620	130	97,8	11	42	2	2,5	3	29	20	8	7,5	20	27,5	106

Swing clamp pneumatic

block body

Ⓑ



Drawing reference:

- 1) Clamping
- 2) Releasing
- 3) Swing travel
- 4) Clamping travel
- 5) Relaxed
- 6) Tensioned
- 7) Left swinging
- 8) Right swinging

KIPP Swing clamp pneumatic block body

Order No.	Size	Form	Version 2	A	B	B1 max.	B1 min.	B2	B3	D max.	D min.	D1	D2	D3
K1812.12010	20	B	swivel to the right	35	4	9,9	9,8	5,5	8,3	18,4	18,32	12	M5	M08x1,25
K1812.12020	20	B	swivel to the right	35	4	9,9	9,8	5,5	8,3	18,4	18,32	12	M5	M08x1,25
K1812.12510	25	B	swivel to the right	35	5	9,9	9,8	5,5	9	23	22,92	12	M5	M08x1,25
K1812.12520	25	B	swivel to the right	35	5	9,9	9,8	5,5	9	23	22,92	12	M5	M08x1,25
K1812.13210	32	B	swivel to the right	45	4,5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.13220	32	B	swivel to the right	45	4,5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.14010	40	B	swivel to the right	45	5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.14020	40	B	swivel to the right	45	5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.15020	50	B	swivel to the right	65	7	16,9	16,8	6,6	11	37	36,92	20	G1/4	M12x1,75
K1812.15050	50	B	swivel to the right	65	7	16,9	16,8	6,6	11	37	36,92	20	G1/4	M12x1,75
K1812.22010	20	B	swivel to the left	35	4	9,9	9,8	5,5	8,3	18,4	18,32	12	M5	M08x1,25
K1812.22020	20	B	swivel to the left	35	4	9,9	9,8	5,5	8,3	18,4	18,32	12	M5	M08x1,25
K1812.22510	25	B	swivel to the left	35	5	9,9	9,8	5,5	9	23	22,92	12	M5	M08x1,25
K1812.22520	25	B	swivel to the left	35	5	9,9	9,8	5,5	9	23	22,92	12	M5	M08x1,25
K1812.23210	32	B	swivel to the left	45	4,5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.23220	32	B	swivel to the left	45	4,5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.24010	40	B	swivel to the left	45	5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.24020	40	B	swivel to the left	45	5	13,9	13,8	5,5	9	30	29,92	16	G1/8	M10x1,5
K1812.25020	50	B	swivel to the left	65	7	16,9	16,8	6,6	11	37	36,92	20	G1/4	M12x1,75
K1812.25050	50	B	swivel to the left	65	7	16,9	16,8	6,6	11	37	36,92	20	G1/4	M12x1,75

Swing clamp pneumatic

block body



KIPP Swing clamp pneumatic block body

Order No.	H	H1	H2	H3	H4	H5	H6	L	L1	L2	S1	S2	Travel S	F1 N
K1812.12010	93,5	73	18	39,5	3	3	4	36	25,5	8	9,5	10	19,5	141
K1812.12020	113,5	83	18	49,5	3	3	4	36	25,5	8	9,5	20	29,5	141
K1812.12510	93,5	73	18	27	3	3	4	40	28	9,6	9,5	10	19,5	264
K1812.12520	113,5	83	18	37	3	3	4	40	28	9,6	9,5	20	29,5	264
K1812.13210	113,5	80	20	25	3	5,5	6,5	45	34	16,5	15	10	25	422
K1812.13220	133,5	90	20	35	3	5,5	6,5	45	34	16,5	15	20	35	422
K1812.14010	114,5	80	20	25	3	5,5	6,5	52	40	18	15	10	25	739
K1812.14020	134,5	90	20	35	3	5,5	6,5	52	40	18	15	20	35	739
K1812.15020	152	101,5	25	37	3,5	5,5	7,5	64	50	20	19	20	39	1155
K1812.15050	212	131,5	25	67	3,5	5,5	7,5	64	50	20	19	50	69	1155
K1812.22010	93,5	73	18	39,5	3	3	4	36	25,5	8	9,5	10	19,5	141
K1812.22020	113,5	83	18	49,5	3	3	4	36	25,5	8	9,5	20	29,5	141
K1812.22510	93,5	73	18	27	3	3	4	40	28	9,6	9,5	10	19,5	264
K1812.22520	113,5	83	18	37	3	3	4	40	28	9,6	9,5	20	29,5	264
K1812.23210	113,5	80	20	25	3	5,5	6,5	45	34	16,5	15	10	25	422
K1812.23220	133,5	90	20	35	3	5,5	6,5	45	34	16,5	15	20	35	422
K1812.24010	114,5	80	20	25	3	5,5	6,5	52	40	18	15	10	25	739
K1812.24020	134,5	90	20	35	3	5,5	6,5	52	40	18	15	20	35	739
K1812.25020	152	101,5	25	37	3,5	5,5	7,5	64	50	20	19	20	39	1155
K1812.25050	212	131,5	25	67	3,5	5,5	7,5	64	50	20	19	50	69	1155

Swing clamp

pneumatic screw-on



Material:

Body aluminium.
Piston steel.

Version:

Body black anodised.
Piston hard chrome-plated

Sample order:

K1814.116

Note:

Screw-in pneumatic swing clamps find use where low clamping forces suffice and where the clamping point has to be cleared to enable placing or removing the workpiece.

The design enables space saving installation. The screw-in bolt can be used to adjust the height of the swing clamp. The clamp is suitable for a sunken mounting in a fixture.

Due to the double-acting function of the clamp, pressure is used to move the piston downwards and upwards.

The total travel of the swing clamp consists of the swing travel and the clamping travel. At the start of the clamping process, the clamping arm performs a 90° swing movement. When this movement is completed, the linear down clamping travel is carried out. The workpiece must only be clamped using the clamping travel.

The swing clamp must not be constrained in its swinging action. F1 = at 6 bar max. permitted operating pressure.

The screw-in swing clamp can be fastened using a DIN 70852 slotted round nut or a threaded flange (K1820).

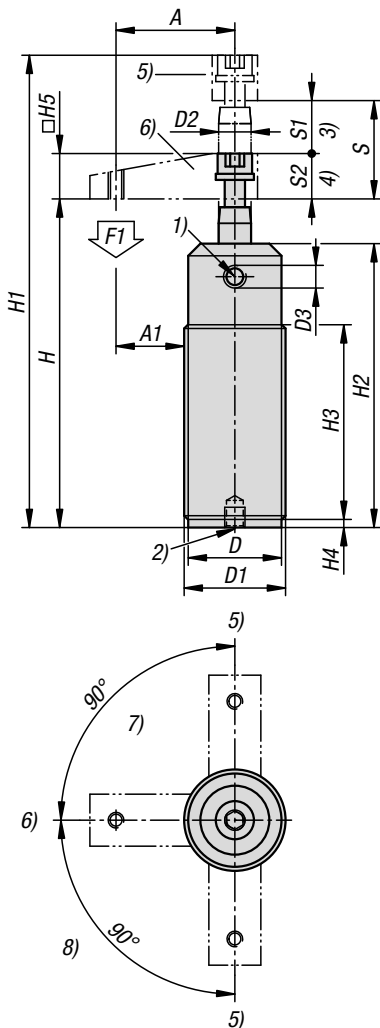
The swing clamp must only be operated using lubricated air.

Including screw and lock washer for fastening the clamping arms which are available as accessories.

Clamping arm, slotted round nut and threaded flange are not supplied.

Accessories:

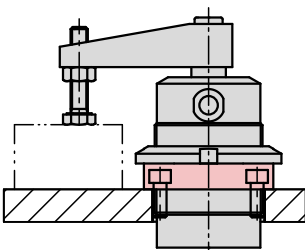
K1816 Clamping arm for swing clamp.
DIN 70852 slotted round nut.
Threaded flange K1820.



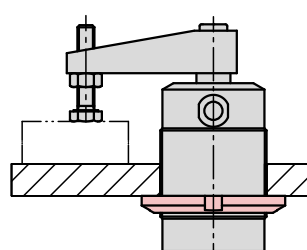
Drawing reference:

- 1) Clamping
- 2) Releasing
- 3) Swing travel
- 4) Clamping travel
- 5) Relaxed
- 6) Tensioned
- 7) Left swinging
- 8) Right swinging

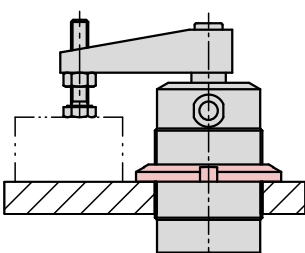
Installation examples:



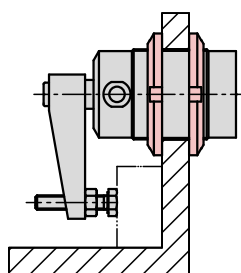
With threaded flange and slotted round nut.



With a slotted round nut from below.



With a slotted round nut from above.



With two slotted round nuts.

Swing clamp

pneumatic screw-on



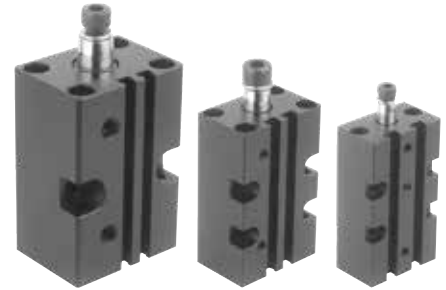
KIPP Swing clamp pneumatic screw-on

Order No.	Size	Version 2	Form-Type	A	A1	D	D1	D2	D3	D4
K1814.112	12	screw-on	swivel to the right	35	22,5	22,5	M25X1,5	8	M5	M5
K1814.116	16	screw-on	swivel to the right	41	26	27,5	M30x1,5	8	M5	M5
K1814.120	20	screw-on	swivel to the right	48	30,5	32,5	M35x1,5	12	M5	M8
K1814.125	25	screw-on	swivel to the right	50	30	38	M40x1,5	14	M5	M8
K1814.132	32	screw-on	swivel to the right	60	35	48	M50x1,5	16	G1/8	M8
K1814.140	40	screw-on	swivel to the right	70	42,5	53	M55X1,5	16	G1/8	M8
K1814.150	50	screw-on	swivel to the right	80	47,5	62	M65X1,5	20	G1/8	M10
K1814.163	63	screw-on	swivel to the right	90	50	77	M80X1,5	20	G1/8	M10
K1814.212	12	screw-on	swivel to the left	35	22,5	22,5	M25X1,5	8	M5	M5
K1814.216	16	screw-on	swivel to the left	41	26	27,5	M30x1,5	8	M5	M5
K1814.220	20	screw-on	swivel to the left	48	30,5	32,5	M35x1,5	12	M5	M8
K1814.225	25	screw-on	swivel to the left	50	30	38	M40x1,5	14	M5	M8
K1814.232	32	screw-on	swivel to the left	60	35	48	M50x1,5	16	G1/8	M8
K1814.240	40	screw-on	swivel to the left	70	42,5	53	M55X1,5	16	G1/8	M8
K1814.250	50	screw-on	swivel to the left	80	47,5	62	M65X1,5	20	G1/8	M10
K1814.263	63	screw-on	swivel to the left	90	50	77	M80X1,5	20	G1/8	M10

Order No.	H	H1	H2	H3	H4	H5	S1	S2	Travel S	F1 N
K1814.112	74,9	104,5	70	48	2	12	9	8,6	17,6	40
K1814.116	75	108,5	70	48	2	16	9	8,5	17,5	90
K1814.120	90,5	136,5	85,1	63,1	2	19	12	15	27	120
K1814.125	73	118	70	35	12	16	13	13	26	210
K1814.132	83	132	79	40	15	19	14	14	28	370
K1814.140	87	136	83	45	15	19	14	16	30	650
K1814.150	92	148	87	50	15	25,4	16	16	32	1020
K1814.163	98	153	92	56	15	25,4	16	14	30	1720
K1814.212	74,9	104,5	70	48	2	12	9	8,6	17,6	40
K1814.216	75	108,5	70	48	2	16	9	8,5	17,5	90
K1814.220	90,5	136,5	85,1	63,1	2	19	12	15	27	120
K1814.225	73	118	70	35	12	16	13	13	26	210
K1814.232	83	132	79	40	15	19	14	14	28	370
K1814.240	87	136	83	45	15	19	14	16	30	650
K1814.250	92	148	87	50	15	25,4	16	16	32	1020
K1814.263	98	153	92	56	15	25,4	16	14	30	1720

Swing clamps

pneumatic



Material:

Body aluminium.
Double-acting piston rod stainless steel.

Version:

Body black anodised.

Sample order:

K1815.1161

Note:

Swing clamps are used where low clamping forces suffice or where the clamping point must be free when mounting and removing the workpiece. The block form of the housing offers universal fastening possibilities. The magnetic piston is primed for electrical end position feedback.

Including screw and lock washer for fastening the clamping arms (accessories).

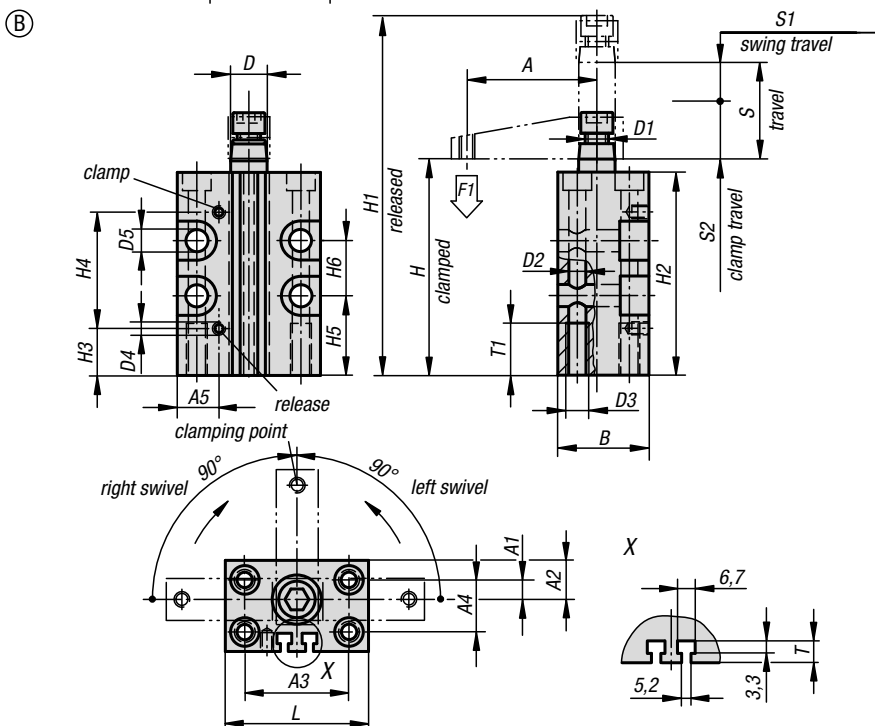
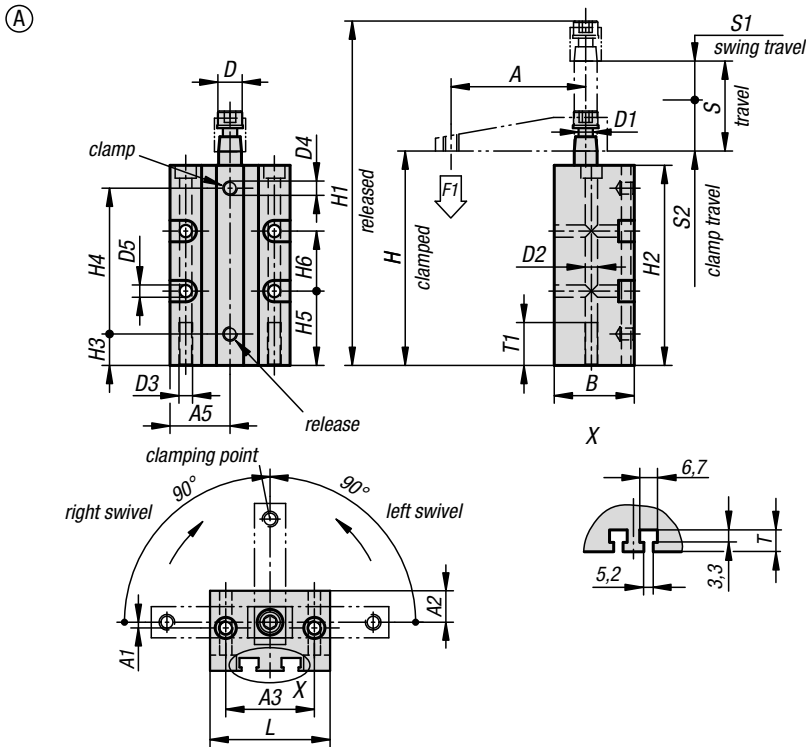
The swing action of the clamp should not be blocked. F1 = at 6 bar (max. operating pressure).

On request:

Proximity switch.

Accessories:

- Clamping arm K1816
- Adapter K1817

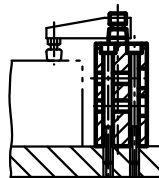


Swing clamps

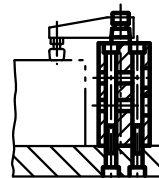
pneumatic



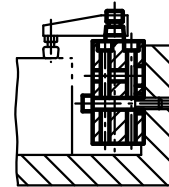
Examples:



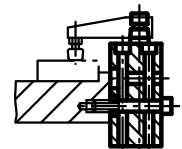
with screws from above



with screws from below



lateral to the rear



lateral to the front

KIPP Pneumatic swing clamps

Order No.	Version 2	Form	Size	A	A1	A2	A3	A5	B	D	D1	D2	D3	D4	D5
K1815.1121	swivel to the right	A	12	35	0	10	31	20	24	8	M5	4,3	M5	M5	4,3
K1815.1161	swivel to the right	A	16	41	-2	11	31	21	28	8	M5	4,3	M5	M5	4,3
K1815.2121	swivel to the left	A	12	35	0	10	31	20	24	8	M5	4,3	M5	M5	4,3
K1815.2161	swivel to the left	A	16	41	-2	11	31	21	28	8	M5	4,3	M5	M5	4,3

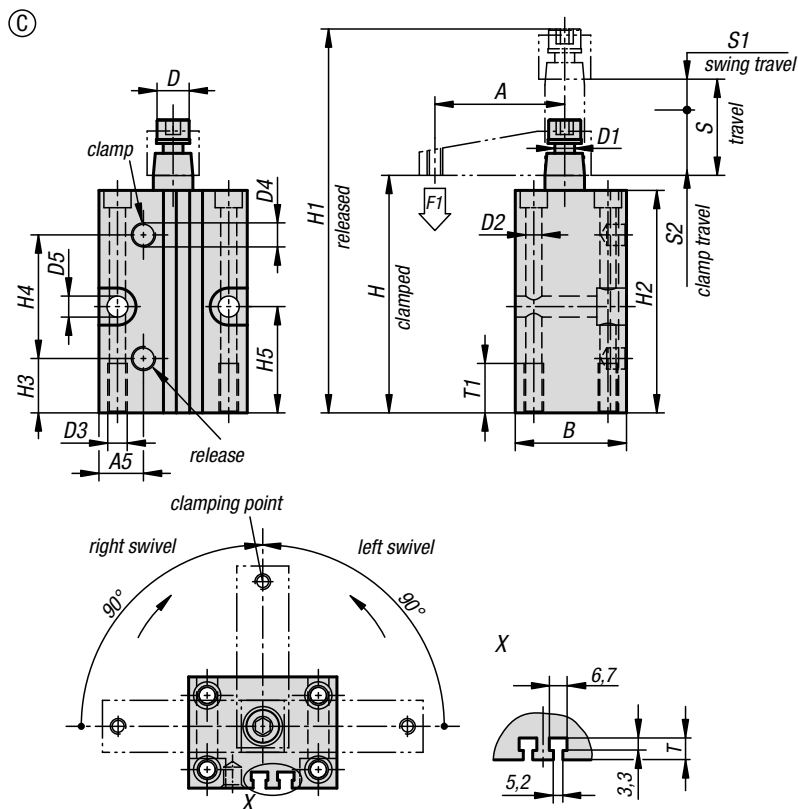
Order No.	H	H1	H2	H3	H4	H5	H6	Travel S	L	S1	S2	T	T1	F1 N
K1815.1121	76	105	70	11	51	26	21	16	40	7	9	5	15	30
K1815.1161	76	105	70	11	51	26	21	16	42	7	9	4,5	15	60
K1815.2121	76	105	70	11	51	26	21	16	40	7	9	5	15	30
K1815.2161	76	105	70	11	51	26	21	16	42	7	9	4,5	15	60

Order No.	Version 2	Form	Size	A	A1	A2	A3	A5	B	D	D1	D2	D3	D4	D5
K1815.1201	swivel to the right	B	20	48	8	13	36	11,5	30	12	M8	5,5	M6	M5	5,5
K1815.2201	swivel to the left	B	20	48	8	13	36	11,5	30	12	M8	5,5	M6	M5	5,5

Order No.	H	H1	H2	H3	H4	H5	H6	Travel S	L	S1	S2	T	T1	F1 N
K1815.1201	80	125	74	17	44,5	24	22	27	46	12	15	4,5	20	80
K1815.2201	80	125	74	17	44,5	24	22	27	46	12	15	4,5	20	80

Swing clamps

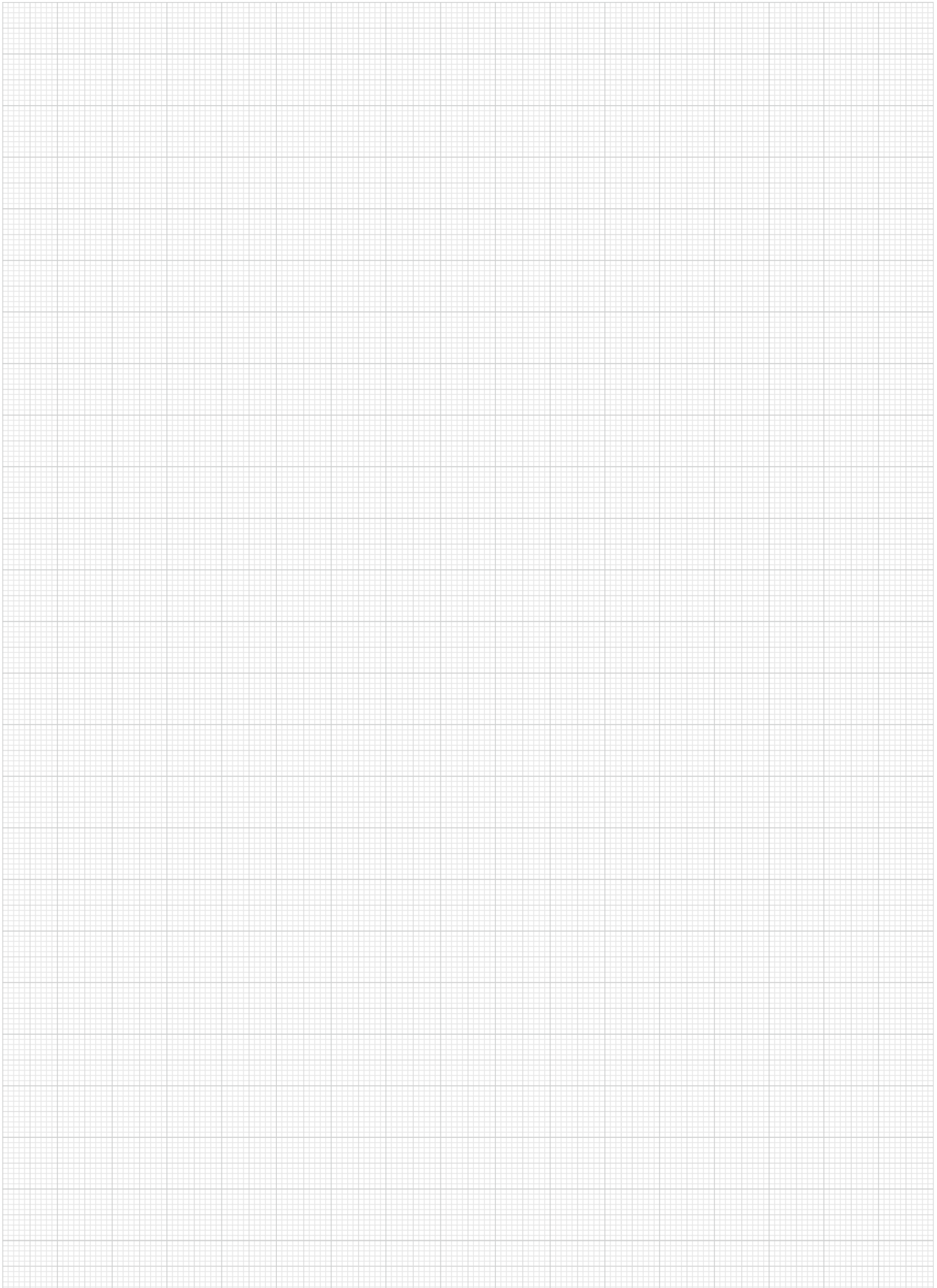
pneumatic



KIPP Pneumatic swing clamps

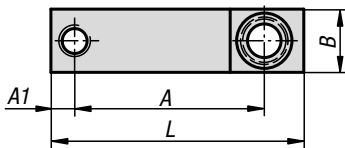
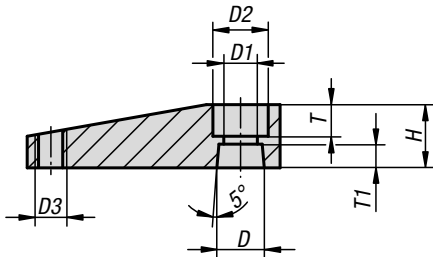
Order No.	Version 2	Form	Size	A	A1	A2	A3	A5	B	D	D1	D2	D3	D4	D5
K1815.1251	swivel to the right	C	25	50	7,5	15	40	17	35	14	M8	6,5	M8	M5	8,5
K1815.1321	swivel to the right	C	32	60	12,5	20	45	18	45	16	M8	6,5	M8	G1/8	8,5
K1815.1401	swivel to the right	C	40	70	15,5	24,5	52	22	55	16	M8	8,5	M10	G1/8	8,5
K1815.1501	swivel to the right	C	50	80	21,5	31	66	25	65	20	M10	8,5	M10	G1/8	10,5
K1815.1631	swivel to the right	C	63	90	27,5	37,5	80	30	80	20	M10	10,5	M12	G1/8	10,5
K1815.2251	swivel to the left	C	25	50	7,5	15	40	17	35	14	M8	6,5	M8	M5	8,5
K1815.2321	swivel to the left	C	32	60	12,5	20	45	18	45	16	M8	6,5	M8	G1/8	8,5
K1815.2401	swivel to the left	C	40	70	15,5	24,5	52	22	55	16	M8	8,5	M10	G1/8	8,5
K1815.2501	swivel to the left	C	50	80	21,5	31	66	25	65	15	M10	8,5	M10	G1/8	10,5
K1815.2631	swivel to the left	C	63	90	27,5	37,5	80	30	80	15	M10	10,5	M12	G1/8	10,5

Order No.	H	H1	H2	H3	H4	H5	Travel S	L	S1	S2	T	T1	F1 N
K1815.1251	83	125	78	17	44,5	32	27	55	15	12	5	20	170
K1815.1321	96	145	90	22	50	43	30	60	16	14	6,5	20	2700
K1815.1401	96	145	90	20	52	40	31	70	16	15	8	25	450
K1815.1501	106	162	100	25	53,5	45	30	85	15	15	6,5	30	700
K1815.1631	106	162	100	28	53,5	36	30	100	15	15	8,5	30	1100
K1815.2251	83	125	78	17	44,5	32	27	55	15	12	5	20	170
K1815.2321	96	145	90	22	50	43	30	60	16	14	6,5	20	270
K1815.2401	96	145	90	20	52	40	31	70	16	15	8	25	450
K1815.2501	106	162	100	25	53,5	45	30	85	15	15	6,5	30	700
K1815.2631	106	162	100	28	53,5	36	30	100	15	15	8,5	30	1100



Clamping arm

for swing clamp



Material:

High-strength aluminium alloy

Version:

Coated with hart-coat®

Sample order:

K1816.12

Note:

Hard wearing surface, repels welding particles.
Suitable for pneumatic swing clamp K1815, in respective sizes.

KIPP Clamping arm for swing clamp

Order No.	Size	A	A1	B	D	D1	D2	D3	H	L	T	T1
K1816.16	16	41	4	12	8	5,5	9	M4	12	51	4	5
K1816.32	32	60	9	20	16	9	14	M8	19	81	7	9
K1816.40	40	70	9	20	16	9	14	M8	19	90	7	9

Adapters

for swing clamp



Material:

High-strength aluminium alloy

Version:

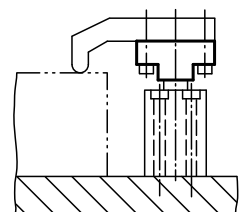
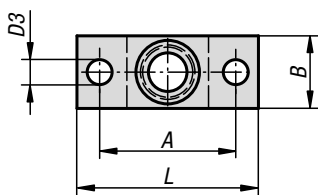
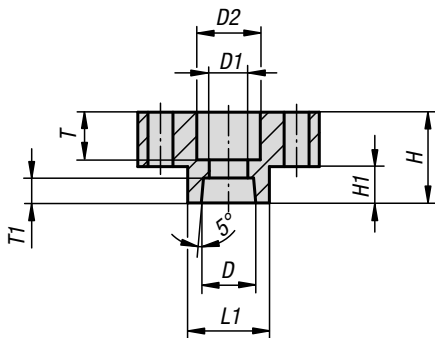
Coated with hart-coat®

Sample order:

K1817.1216

Note:

Hard wearing surface, repels welding particles.
Holds matching clamping arms. Suitable for pneumatic swing clamp K1815 in respective sizes.

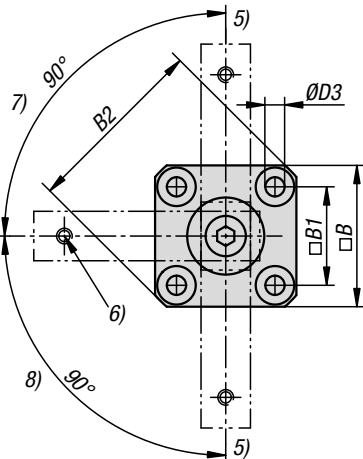
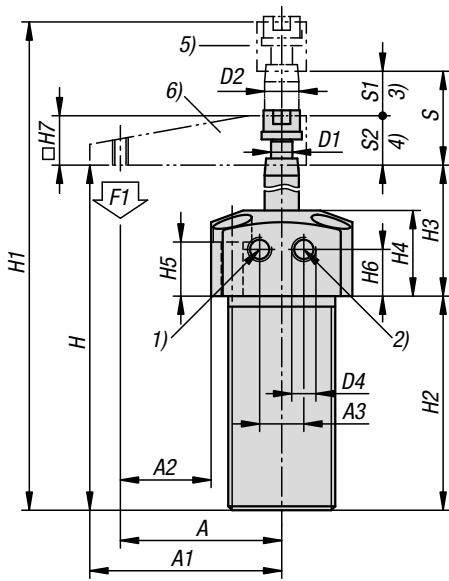


KIPP Adapters for swing clamps

Order No.	Size	A	B	D	D1	D2	D3	H	H1	L	L1	T	T1
K1817.1216	12/16	22	12	8	5,5	10	4,5	14	6	30	13	7	5
K1817.2000	20	30	16	12	8,5	14	5,5	20	8	40	18	10,5	5,5
K1817.2500	25	38	16	14	8,5	14	5,5	20	8	50	25	8	6,5
K1817.3240	32/40	45	19	16	8,5	14	7	25	10	60	30	11	9
K1817.5063	50/63	48	25	20	10,5	17	9	30	12	65	30	14	10

Swing clamp

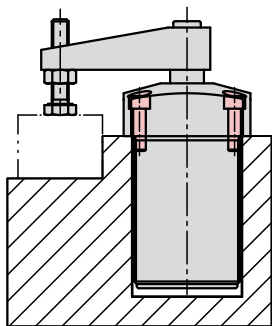
pneumatic screw-on with flange



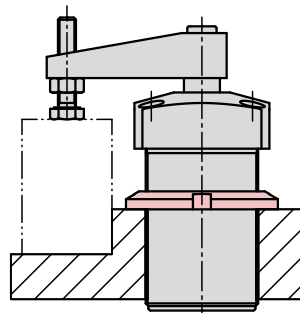
Drawing reference:

- 1) Clamping
- 2) Releasing
- 3) Swing travel
- 4) Clamping travel
- 5) Relaxed
- 6) Tensioned
- 7) Left swinging
- 8) Right swinging

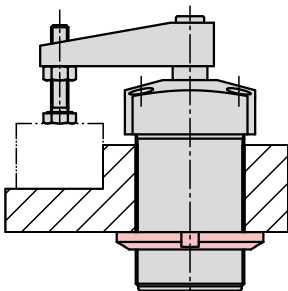
Installation examples:



With cap screws from above.



With a slotted round nut from above.



With a slotted round nut from below.



Material:

Body aluminium.
Piston steel.

Version:

Body silver anodised.
Piston hard chrome-plated

Sample order:

K1818.116

Note:

Screw-in pneumatic swing clamps with flange find use where low clamping forces suffice and where the clamping point has to be cleared to enable placing or removing the workpiece. The design enables space saving installation. The screw-in bolt can be used to adjust the height of the swing clamp. The clamp is suitable for a sunken mounting in a fixture. The compressed air port for the swing clamp is in the flange.

Due to the double-acting function of the clamp, pressure is used to move the piston downwards and upwards.

The total travel of the swing clamp consists of the swing travel and the clamping travel. At the start of the clamping process, the clamping arm performs a 90° swing movement. When this movement is completed, the linear down clamping travel is carried out. The workpiece must only be clamped using the clamping travel.

The swing clamp must not be constrained in its swinging action. F1 = at 6 bar max. permitted operating pressure.

The screw-in swing clamp with flange can be fastened from above or below using a DIN 70852 slotted round nut. Another option is to fasten the swing clamp to the fixture from above using four cap screws.

The swing clamp must only be operated using lubricated air.

The fastening holes in the flange have the same dimensions as those in the threaded flange K1820.

The screw and the lock washer for fastening the clamping, which is available as an accessory, are supplied.

Clamping arm and slotted round nut are not supplied.

Accessories:

K1816 Clamping arm for swing clamp.
DIN 70852 slotted round nut.

Swing clamp

pneumatic screw-on with flange



KIPP Swing clamp pneumatic screw-on with flange

Order No.	Size	Version 2	Form-Type	A	A1	A2	A3	B	B1	B2	D	D1	D2	D3	D4
K1818.112	12	screw-on with flange	swivel to the right	35	39	18,75	10	32,5	23	42,5	M25x1,5	M5	8	4,5	M5
K1818.116	16	screw-on with flange	swivel to the right	41	45	23	12	36	26,5	47	M30x1,5	M5	8	4,5	M5
K1818.120	20	screw-on with flange	swivel to the right	48	54	27,5	14	41	30,5	54	M35x1,5	M8	12	5,5	M5
K1818.125	25	screw-on with flange	swivel to the right	50	56	25	23	50	37	66	M40x1,5	M8	14	5,5	M5
K1818.132	32	screw-on with flange	swivel to the right	60	69	30	23	60	45	80	M50x1,5	M8	16	6,5	G1/8
K1818.140	40	screw-on with flange	swivel to the right	70	79	37,5	26	65	50	87	M55x1,5	M8	16	6,5	G1/8
K1818.150	50	screw-on with flange	swivel to the right	80	90	42,5	32	75	58	100	M65x1,5	M10	20	8,5	G1/8
K1818.163	63	screw-on with flange	swivel to the right	90	100	45,5	35	90	70	118	M80x1,5	M10	20	8,5	G1/8
K1818.212	12	screw-on with flange	swivel to the left	35	39	18,75	10	32,5	23	42,5	M25x1,5	M5	8	4,5	M5
K1818.216	16	screw-on with flange	swivel to the left	41	45	23	12	36	26,5	47	M30x1,5	M5	8	4,5	M5
K1818.220	20	screw-on with flange	swivel to the left	48	54	27,5	14	41	30,5	54	M35x1,5	M8	12	5,5	M5
K1818.225	25	screw-on with flange	swivel to the left	50	56	25	23	50	37	66	M40x1,5	M8	14	5,5	M5
K1818.232	32	screw-on with flange	swivel to the left	60	69	30	23	60	45	80	M50x1,5	M8	16	6,5	G1/8
K1818.240	40	screw-on with flange	swivel to the left	70	79	37,5	26	65	50	87	M55x1,5	M8	16	6,5	G1/8
K1818.250	50	screw-on with flange	swivel to the left	80	90	42,5	32	75	58	100	M65x1,5	M10	20	8,5	G1/8
K1818.263	63	screw-on with flange	swivel to the left	90	100	45,5	35	90	70	118	M80x1,5	M10	20	8,5	G1/8

Order No.	H	H1	H2	H3	H4	H5	H6	H7	Travel S	S1	S2	F1 N
K1818.112	75	104,6	52	25	18	11	7	12	17,6	9	8,6	40
K1818.116	75	104,5	52	25	18	11	7	12	17,5	9	8,5	90
K1818.120	90,5	133,5	65,1	25,4	20	10	10	16	27	12	15	120
K1818.125	92	134	62	30	25	15	11,5	16	26	13	13	210
K1818.132	103	150	73	30	25	13	10,5	19	28	14	14	370
K1818.140	103	152	73	30	25	13	10,5	19	30	14	16	650
K1818.150	110	167	80	30	25	11	10,5	25	32	16	16	1020
K1818.163	110	165	80	30	25	11	10,5	25	30	16	14	1720
K1818.212	75	104,6	52	25	18	11	7	12	17,6	9	8,6	40
K1818.216	75	104,5	52	25	18	11	7	12	17,5	9	8,5	90
K1818.220	90,5	133,5	65,1	25,4	20	10	10	16	27	12	15	120
K1818.225	92	134	62	30	25	15	11,5	16	26	13	13	210
K1818.232	103	150	73	30	25	13	10,5	19	28	14	14	370
K1818.240	103	152	73	30	25	13	10,5	19	30	14	16	650
K1818.250	110	167	80	30	25	11	10,5	25	32	16	16	1020
K1818.263	110	165	80	30	25	11	10,5	25	30	16	14	1720

Link clamp pneumatic

screw-on with flange



Material:

Body aluminium.
Piston steel.

Version:

Body black anodised.
Piston hard chrome-plated

Sample order:

K1819.32

Note:

Screw-in pneumatic link clamps with flange find use where low clamping forces suffice and where the clamping point has to be cleared to enable placing or removing the workpiece.

The design enables space saving installation. The screw-in bolt can be used to adjust the height of the swing clamp. The clamp is suitable for a sunken mounting in a fixture.

Due to the double-acting function of the clamp, pressure is used to move the piston downwards and upwards.

Link clamps can be used to clamp workpieces with low profiles.

The link clamp must not be constrained in its link action. F_1 = at 7 bar max. permitted operating pressure.

In comparison to swing clamps, link clamps of the same size can generate higher clamping forces because of the link mechanism.

The screw-in link clamp with flange can be fastened from above or below using a DIN 70852 slotted round nut. Another option is to fasten the link clamp to the fixture from above using four cap screws.

The position of the clamping arm can be individually adapted.

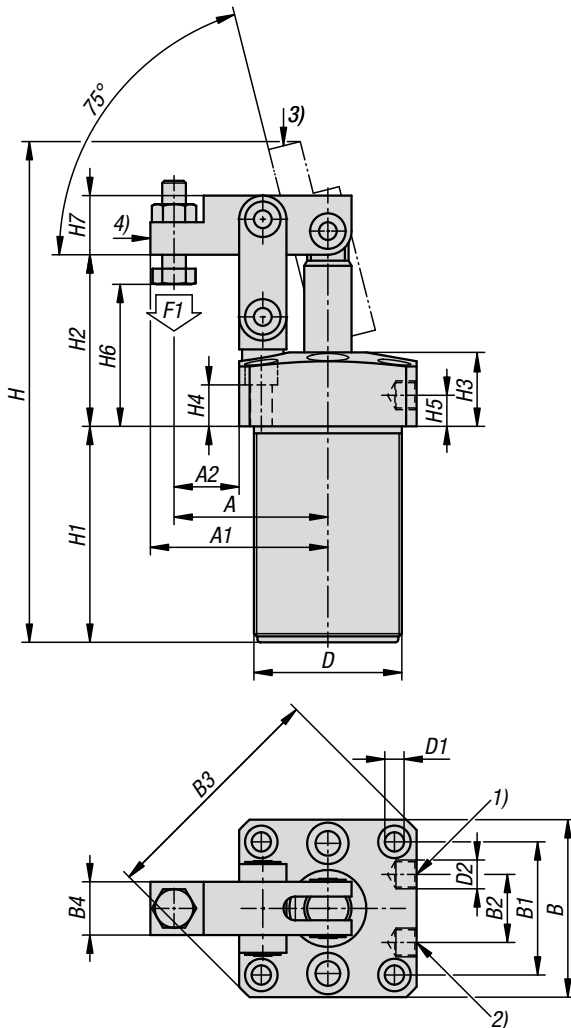
The swing clamp must only be operated using lubricated air.

The fastening holes in the flange have the same dimensions as those in the threaded flange K1820.

Slotted round nuts are not supplied.

Accessories:

DIN 70852 slotted round nut.
Threaded flange K1820.



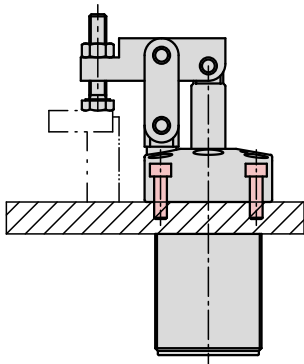
Drawing reference:

- 1) Clamp
- 2) Release
- 3) Relaxed
- 4) Tensioned

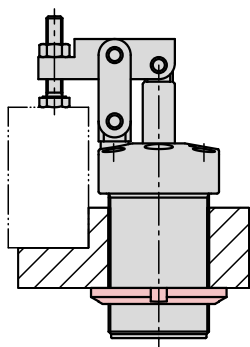
Link clamp pneumatic

screw-on with flange

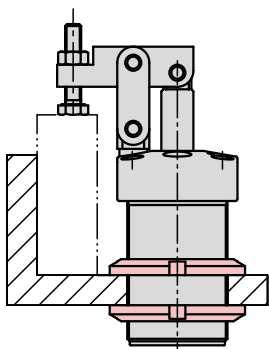
Installation examples:



With cap screws from above through the flange.



The housing is screwed into a tapped hole and secured with a slotted round nut.

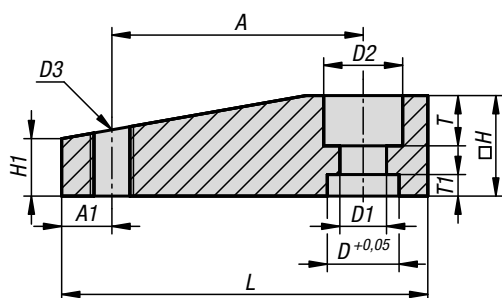


With a slotted round nut from above and a slotted round nut from below.

KIPP Link clamp pneumatic screw-on with flange

Order No.	Size	A	A1	A2	B	B1	B2	B3	B4	D	D1	D2	H	H1	H2	H3	H4	H5	H6	H7	F1 N
K1819.25	25	41	48	16	50	37	23	66	16	M40X1,5	5,5	M5	144	62	51	25	15	12	37-47	17	230
K1819.32	32	52	60	22	60	45	23	80	18	M50X1,5	6,5	G1/8	170	73	57	25	13	10,5	50-56	20	370
K1819.40	40	56	66	23,5	65	50	26	87	20	M55X1,5	6,8	G1/8	17	73	60	25	13	10,5	50-54,5	25	560
K1819.50	50	63,5	77,5	26	75	58	32	100	22	M65X1,5	8,5	G1/8	200	79	65	25	11	10,5	47-57	30	760
K1819.63	63	74	88	29,5	89	70	35	118	22	M80X1,5	8,5	G1/8	211	80	71,5	25	11	9	54-64	30	1350

Clamping arm for swing clamp



Material:
Carbon steel.

Version:
Black anodised.

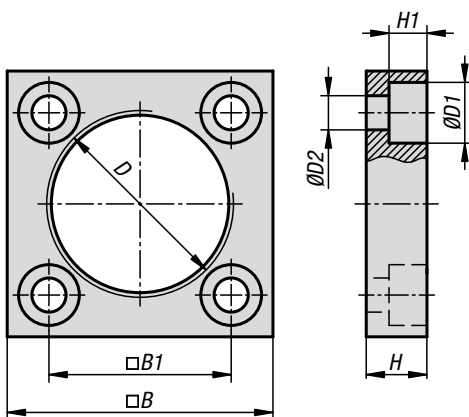
Sample order:
K1813.16

Note:
Suitable for pneumatic swing clamp K1812, in the respective sizes.

KIPP Clamping arm for swing clamp

Order No.	Size	A	A1	D	D1	D2	D3	H	H1	L	T	T1
K1813.12	12	20	4	5	3,5	6	M3x0,5	8	6,5	29	4	2,5
K1813.16	16	25	5	7	5,5	9	M04x0,7	13	6,5	36	5	2,5
K1813.2025	20/25	35	7	10	8,5	14	M06x1	16	8	51	7	3
K1813.3240	32/40	45	10	14	10,5	17	M08x1,25	22	9	67	9	4,5
K1813.50	50	65	10	17	12,5	21	M10x1,5	25	13	88	13	4,5

Threaded flange aluminium



Material:
Aluminium.

Sample order:
K1820.16

Note:
The aluminium threaded flange can be used as a mounting base for swing clamps.

The fastening holes of the threaded flange have the same dimensions as those of the pneumatic screw-in swing clamps with flange (K1818) and the pneumatic screw-in link clamps with flange (K1819).

Can be used to secure to the fixture with a slotted round nut.

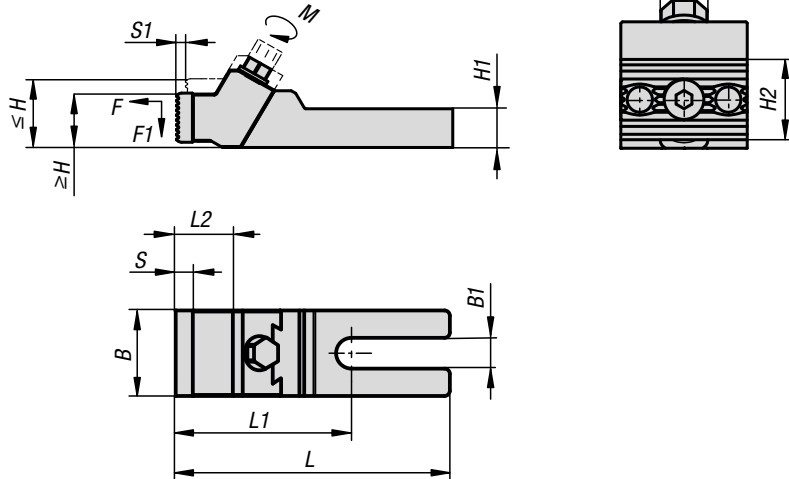
Advantages:
Additional thread must be cut into the fixtures mounting plate.

Accessories:
K1819 Pneumatic link clamp, screw-on with flange.
K1814 Pneumatic swing clamp, screw-on.
K1818 Pneumatic swing clamp, screw-on with flange.

KIPP Threaded flange aluminium

Order No.	Size	B	B1	D	D1	D2	H	H1
K1820.12	12	35	24	M25x1,5	8	4,5	8	5
K1820.16	16	40	29	M30x1,5	8	4,5	8	5
K1820.20	20	45	32	M35x1,5	9	5,5	9	6
K1820.25	25	50	37	M40x1,5	9	5,5	9	6
K1820.32	32	60	45	M50x1,5	11	6,5	12	7
K1820.40	40	65	50	M55x1,5	11	6,5	12	7
K1820.50	50	75	58	M65x1,5	13	8,5	15	9
K1820.63	63	88	70	M80x1,5	13	8,5	15	9

Robust side clamps, steel, flat



Material:

Body carbon steel.
Jaw plates mild steel.

Version:

Body black oxidised.
Jaw plates case hardened.

Sample order:

K1826.19

Note:

Both sides of the jaw plates can be used. Smooth side for machined faces, serrated side for rough faces. Two screws should be used to secure the robust side clamp to the machine table. Depending on the slot width, the screws for T-slots K0698 and K0699 make suitable mounting screws. These must be ordered separately.

KIPP Robust side clamps, steel, flat

Order No.	suitable for slot width	L	L1	L2	B	B1	H max.	H min.	H1	H2	S	S1	Clamping force F (kN)	F1 kN	SW	Tightening torque Nm
K1826.13	12/14	128	82	19	40	14,4	33,5	28	20	25,4	8	3	8/15	1,2/2,2	13	20/40
K1826.19	12/14/16/18	177	113	29	65	19	60	50	30	40	12	6	8/15/20/28	1,2/2,2/3/4,2	16	20/40/45/60
K1826.26	20/22/24/28/30	224	135	29	75	26	73	60	36	40	12	7,5	25/25/32/32/36	4,5/4,5/4,8/4,8/5,4	18	85/85/95/95/110
K1826.38	32/36/42	256	152	34	90	38	91,5	74	46	40	12	10	50	7,5	21	160

Hook clamps

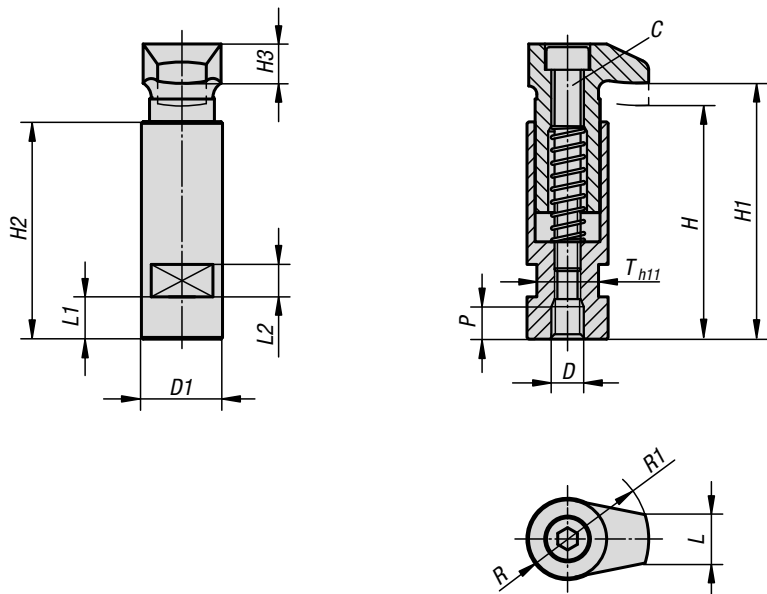
with collar



Material:
Carbon steel.

Version:
Tempered and black oxidised.

Sample order:
K0013.06



KIPP Hook clamps with collar

Order No.	C	D	D1	H	H1	H2	H3	L	L1	L2	P	R	R1	T	Clamping force kN
K0013.06	M6	M6	20	56	60	53	10	11	9	8	8	9	20	17	4,82
K0013.08	M6	M8	20	56	60	53	10	11	9	8	8	9	20	17	8,77
K0013.10	M8	M10	25	72	79	67	12	15	13	10	10	12	25	19	13,9
K0013.12	M10	M12	32	88	96	82	16	17	18	12	12	14	32	27	20,2
K0013.16	M12	M16	40	109	118	102	20	20	22	12	16	18	40	32	37,8

Locating cylinder with wedge clamp system



Material:

Carbon steel.

Version:

Black oxidised.

Sample order:

K1802.1625

Note:

A workpiece can be easily secured and centred in a bore using the locating cylinder.
 Due to the low surface friction on rigid contact faces generated by the integrated axial needle bearing, increased clamping forces can be achieved.
 The high load rating of the bearing guarantees a long service life.
 Clamping cylinder with pull-down effect.

Assembly:

Insert the locating cylinder through the mounting hole in the workpiece being secured.
 Tighten the screw first by hand using the knurled part of the screw and then tighten further using a suitable spanner.
 The knurled part can also be sunk into a counterbore provided for this purpose.

Advantages:

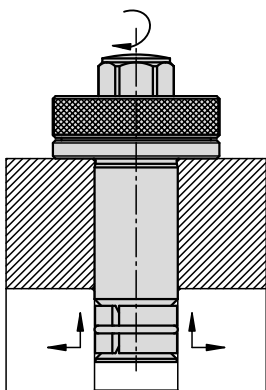
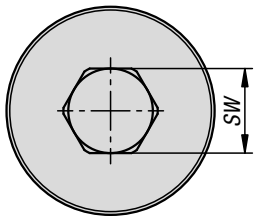
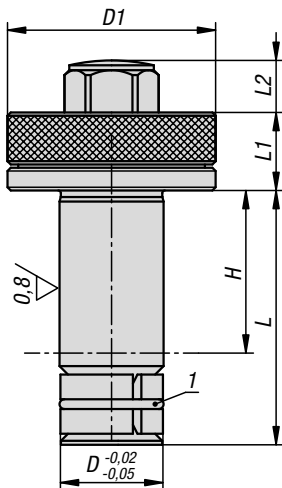
Easily adjustable clamping range
 Independent of the bores diameter and surface finish (up to H12)
 Pull-down effect
 Significant increase in clamping force for same tightening torque, in comparison with the version with balls
 High-quality axial needle bearing with high load rating and long service life

Applications:

Ideal for fastening standard elements of various thicknesses. The clamping cylinder can also be used for quick-change systems.

Drawing reference:

The dimension H refers to the clamping area.



KIPP Locating cylinder with wedge clamp system

1) O-ring

Order No.	D	D1	H clamping range	L	L1	L2	SW	Holding force F kN	Tightening torque Nm	Order No. Repair Kit
K1802.1010	10	20	0-10	20	8	5	8	5,4	4,4	K1802.91010
K1802.1215	12	26	0-15	27	10	6	10	8,8	10,5	K1802.91215
K1802.1625	16	32	0-25	39	12	8	13	16,8	22	K1802.91625
K1802.2030	20	38	0-30	49,5	15	9	17	22,6	31	K1802.92030

Repair kits for locating cylinders



Sample order:
K1802.91215

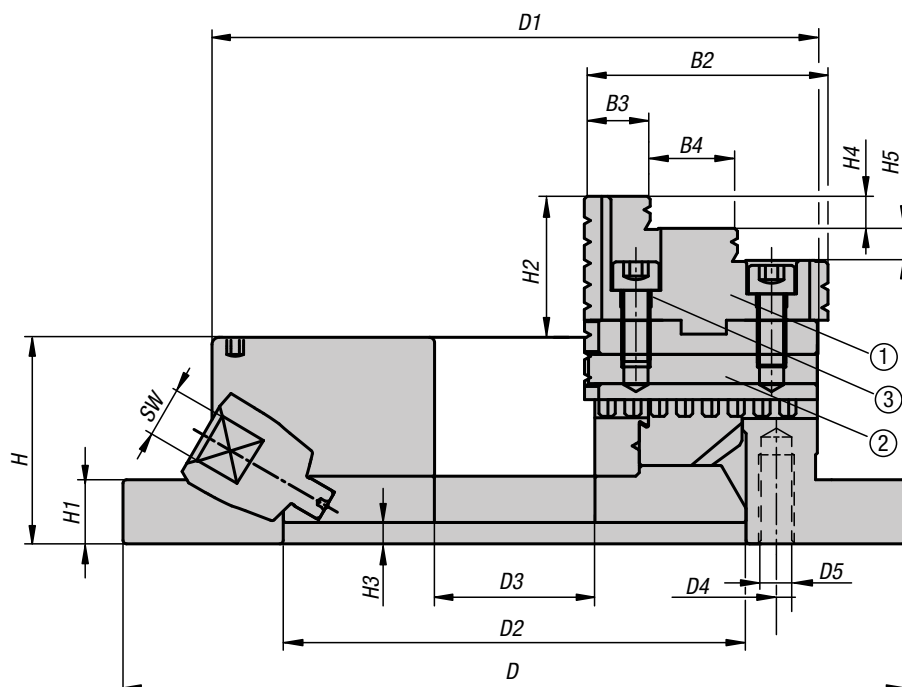
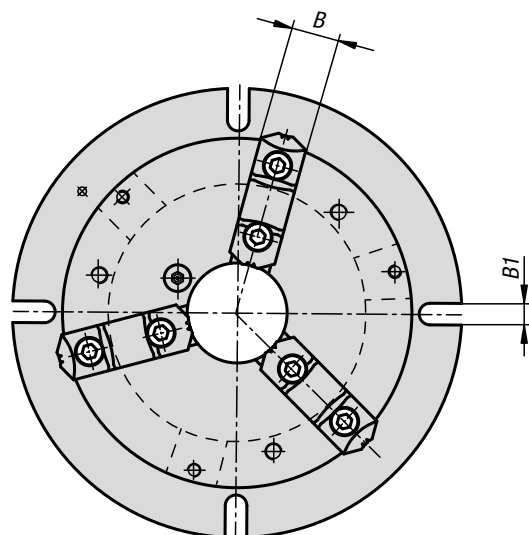
Note:
Repair set consisting of screw with countersunk head, O-ring and 3-part jaws.

KIPP Repair kits for locating cylinders

Order No.	for D	for Art. No.
K1802.91010	10	K1802.1010
K1802.91215	12	K1802.1215
K1802.91625	16	K1802.1625
K1802.92030	20	K1802.2030

Notes

Stationary 3-jaw steel chuck



Stationary 4-jaw chucks are especially suitable for centric workpiece holding on drilling and milling machines. The flexible arrangement of the hard and soft jaws enable diverse sizes and shapes of workpieces to be easily held on the outside or inside faces.

Material:
Steel.

Version:
Contact faces on base ground.
Jaw plates hardened, ground.

Sample order:
K1836.270

Note:
Take note of the jaw numbers when mounting. The chucks are precision ground. The W, X, Y, Z tolerances between the chucks is within 0.05 mm. The repeat accuracy by centric clamping with hard jaws is within 0.02 mm. The moveable jaw bases are driven by the internal scroll plate. The rotation of the pinion transfers the force over the scroll plate to the jaw bases and generates a synchronous movement of the jaws inwards or outwards. Inadequate lubrication leads to excessive wear and reduction of the clamping force. Please ensure regular lubrication intervals.

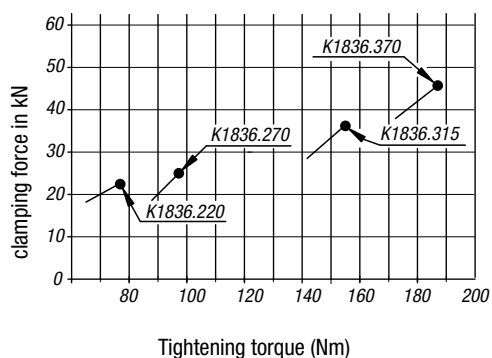
Advantages:
The repeat accuracy by centric clamping is 0.02 mm. Flat design. For drilling and milling machines. The body is precision ground. Optimum accessibility to the lubrication system. Wide chuck bore for holding bar material. Actuated using a hex key. Quick and easy to operation. Soft jaws can also be attached to the jaw bases.

Supplied with:
Tightening key.

Accessories:
K1838 Steel jaws, soft

Drawing reference:
1) Reversible jaw
2) Standard jaws
3) Fastening screws

Stationary 3-jaw steel chuck

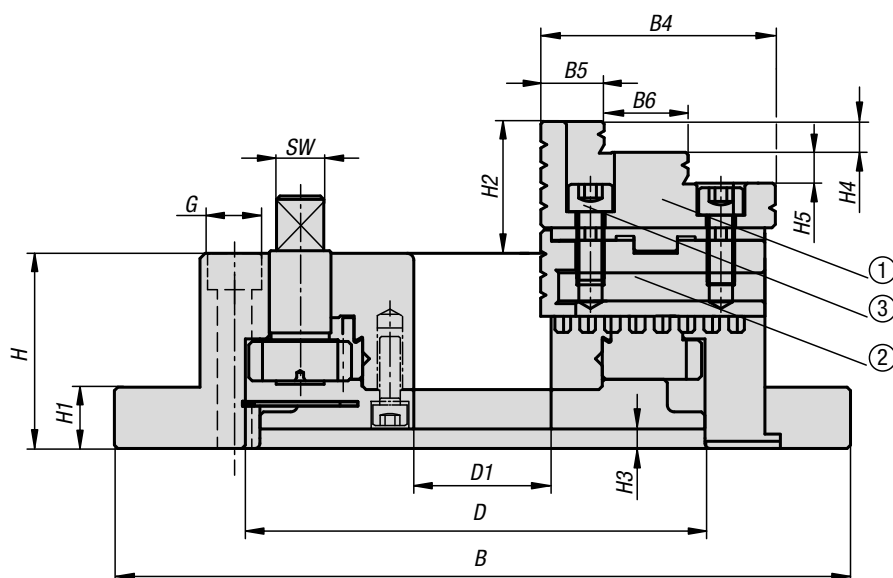
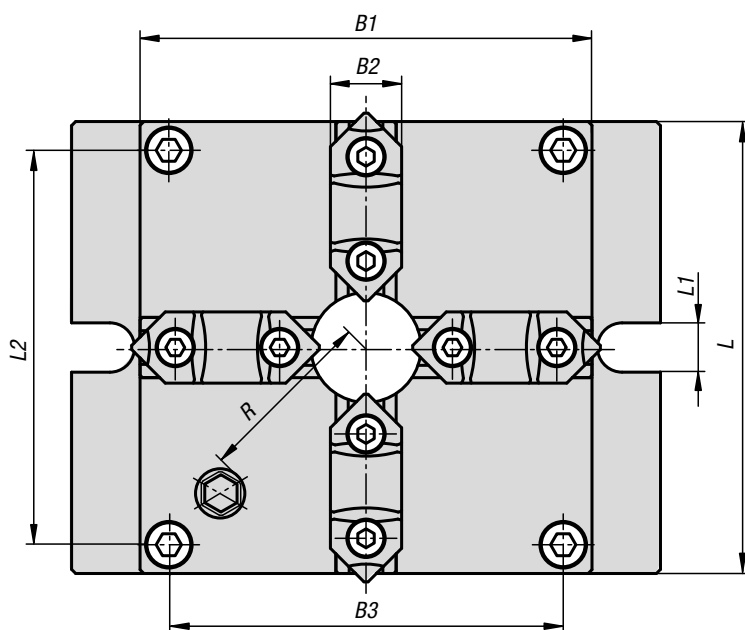


KIPP Stationary 3-jaw steel chuck

Order No.	D	D1	D2	D3	D4	D5	B	B1	B2	B3	B4
K1836.220	220	170	130	45	147	M10	26	13	68	18,5	24,5
K1836.270	270	210	155	60	172	M10	28	13	82	22,7	27,9
K1836.315	315	255	190	80	210	M12	32	16	93	24,9	32,5
K1836.370	370	305	250	105	285	M12	40	18	118	31,3	40,6

Order No.	H	H1	H2	H3	H4	H5	SW	Outer clamping range	Inner clamping range	Tightening torque max. Nm	Clamping force F (kN)	Accessories
K1836.220	58	18	40	6	9	9	10	8-160	48-150	78	21	K1838.2203
K1836.270	65	20	43	6	10	10	11	11-200	62-190	98	25	K1838.2703
K1836.315	73	20	52	6	12	12	12	12-250	72-240	156	36	K1838.3153
K1836.370	80	22	59	5	15	15	14	15-300	86-290	186	44	K1838.3703

Stationary 4-jaw steel chuck



Stationary 4-jaw chucks are especially suitable for centric workpiece holding on drilling and milling machines. The flexible arrangement of the hard and soft jaws enable diverse sizes and shapes of workpieces to be easily held on the outside or inside faces.

Material:
Steel.

Version:
Contact faces on base ground.
Jaw plates hardened, ground.

Sample order:
K1837.250

Note:
Take note of the jaw numbers when mounting. The chucks are precision ground. The W, X, Y, Z tolerances between the chucks is within 0.05 mm. The repeat accuracy by centric clamping with hard jaws is within 0.02 mm. The moveable jaw bases are driven by the internal scroll plate.

The rotation of the pinion transfers the force over the scroll plate to the jaw bases and generates a synchronous movement of the jaws inwards or outwards. Inadequate lubrication leads to excessive wear and reduction of the clamping force. Please ensure regular lubrication intervals.

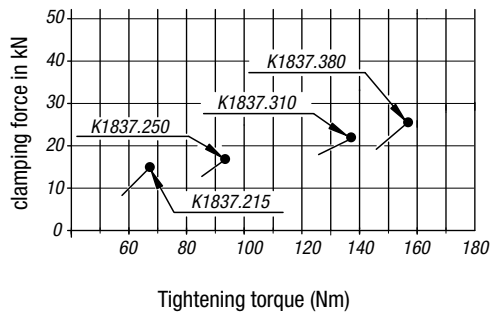
Advantages:
The repeat accuracy by centric clamping is 0.02 mm. Flat design. For drilling and milling machines. The body is precision ground. Optimum accessibility to the lubrication system. Wide chuck bore for holding bar material. Actuated using a hex key. Quick and easy to operation. Soft jaws can also be attached to the jaw bases.

Supplied with:
Tightening key.

Accessories:
K1838 Steel jaws, soft

Drawing reference:
1) Reversible jaw
2) Standard jaws
3) Fastening screws

Stationary 4-jaw steel chuck



KIPP Stationary 4-jaw steel chuck

Order No.	L	L1	L2	B	B1	B2	B3	B4	B5	B6	D	D1	G for socket head screw	H	H1	H2
K1837.215	165	18	144	215	165	26	144	68	18,5	24,5	130	40	M10	57	18	39
K1837.250	200	18	174	250	200	28	174	82	23	27,9	160	55	M12	65	20	43
K1837.310	250	18	218	310	250	32	218	93	24,9	32,5	200	70	M14	72	22	50
K1837.380	310	22	274	380	310	40	274	117	31,2	40,6	260	100	M16	85	25	56

Order No.	H3	H4	H5	SW	R	Outer clamping range	Inner clamping range	Tightening torque max. Nm	Clamping force F (kN)	Accessories
K1837.215	5,5	9	9	14	66	4-128	55-128	68	15	K1838.2154
K1837.250	6	10	10	17	83	5-162	62-162	93	18	K1838.2154
K1837.310	6	12	12	21	104	6-200	72-200	137	22	K1838.2154
K1837.380	7	15	15	23	135	10-265	90-265	156	25	K1838.2154

Jaw plate, steel, soft

for stationary chuck



Sets comprising 3 or 4 jaws

Soft jaws can be flexibly machined to generate custom contours and diameters.

Material:
Steel.

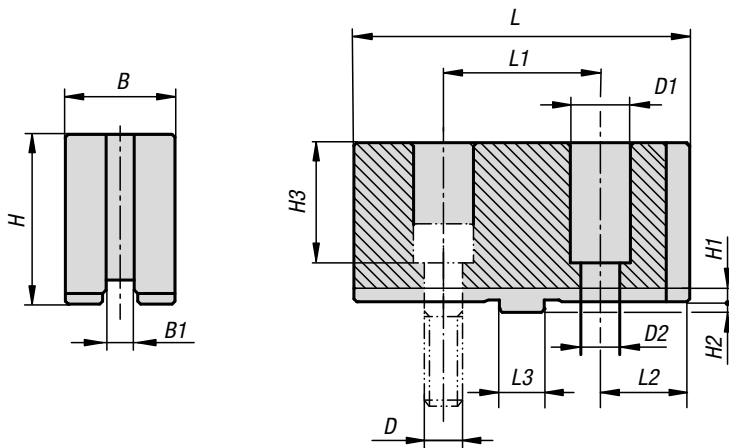
Version:
Soft.

Sample order:
K1838.2703

Note:
The jaw set comprising 3 jaws are only suitable for the stationary 3-jaw chuck K1836. The jaw set comprising 4 jaws are only suitable for the stationary 4-jaw chuck K1837.

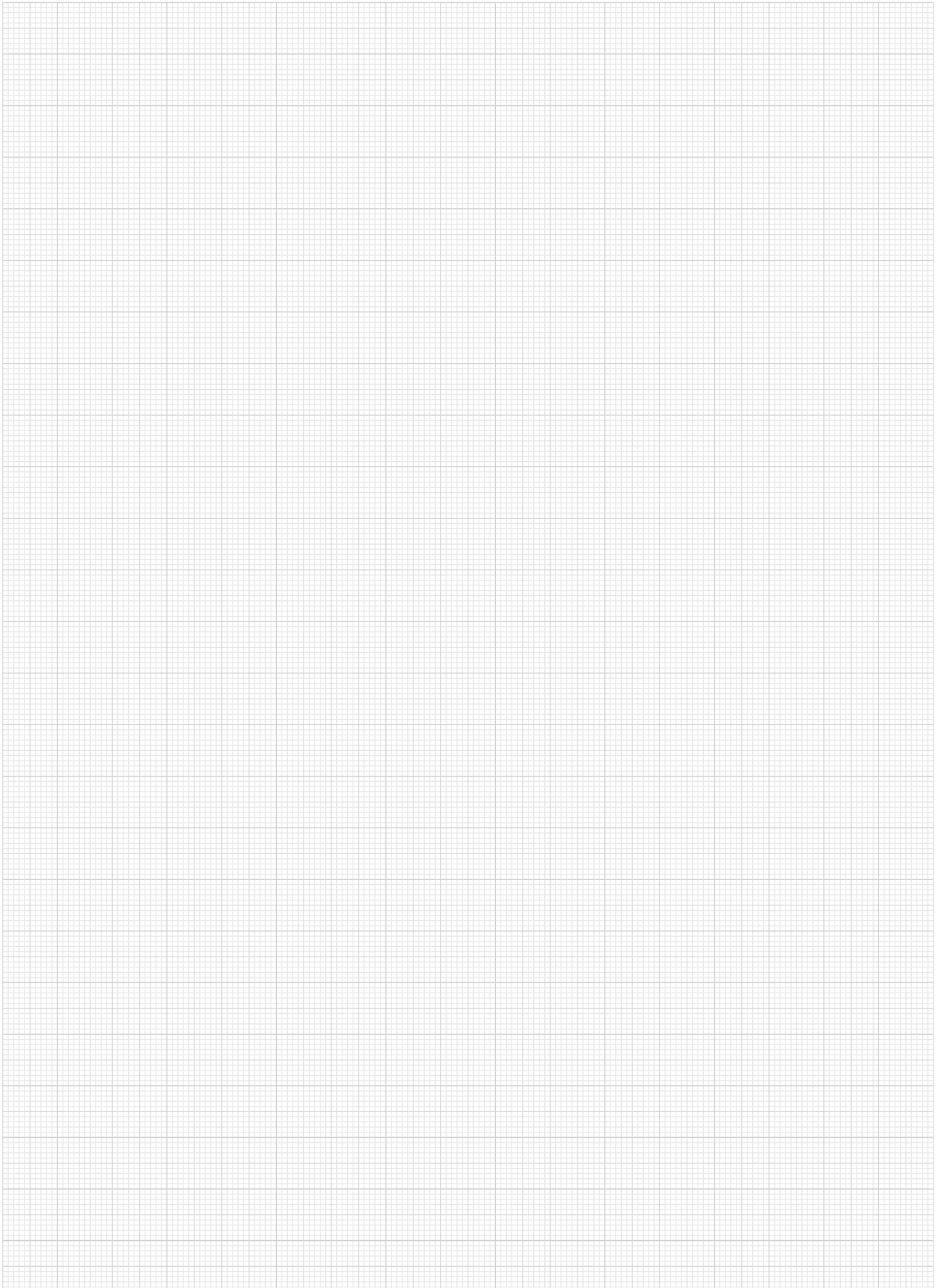
Advantages:
The soft jaws can be machined for internal or external gripping and are reversible.

Accessories:
K1836 Stationary 3-jaw chuck.
K1837 Stationary 4-jaw chuck.



KIPP Jaws, steel, soft, for stationary chuck

Order No.	Packaging unit	B	B1	H	H1	H2	H3	L	L1	L2	L3	D	D1	D2	Accessories
K1838.2203	3	26	7,94	37	3,5	3	25	73	38,1	17,45	12,68	M8	14	9	K1836.220
K1838.2703	3	31	7,94	48	3,8	3	34	95	44,4	25,3	12,68	M10	17	11	K1836.270
K1838.3153	3	37	12,7	48	4,2	3	34	110	54	28	19,03	M12	19	13	K1836.315
K1838.3703	3	42	12,7	54	4,2	3	38	125	63,5	30,75	19,03	M12	19	13	K1836.370
K1838.2154	4	26	7,94	37	3,5	3	25	73	38,1	17,45	12,68	M8	14	9	K1837.215
K1838.2504	4	31	7,94	48	3,8	3	34	95	44,4	25,3	12,68	M10	17	11	K1837.250
K1838.3104	4	37	12,7	48	4,2	3	34	110	54	28	19,03	M12	19	13	K1837.310
K1838.3804	4	42	12,7	54	4,2	3	38	125	63,5	30,75	19,03	M12	19	13	K1837.380



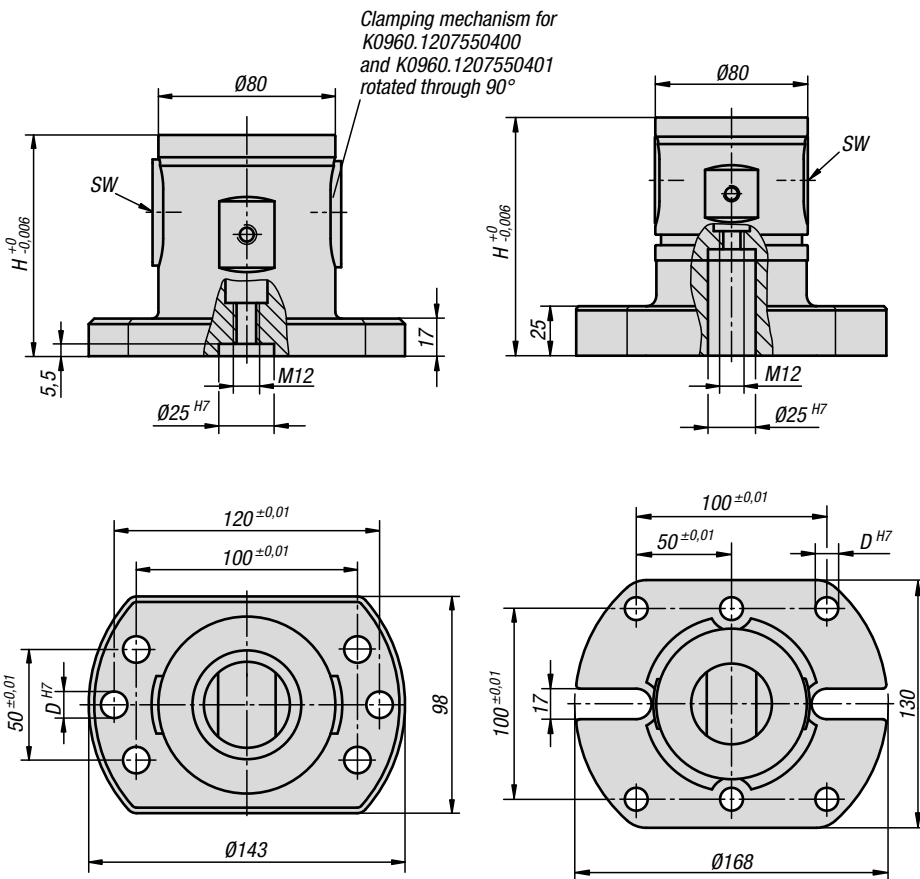
UNILOCK 5-axis basic module

system size 80 mm



foot without elongated hole

foot with elongated hole



Material:

Carbon steel.

Version:

Main body oxidised.
Contact faces hardened and ground.

Sample order:

K0960.1207550400

Note:

The UNILOCK 5-axis basic module can be adapted directly to subplates with grid holes or T-slots or to tooling plates with hole pitch of 40/50 mm system size M12. Suitable for UNILOCK zero point clamping system with UNILOCK clamping bolts. Can also be used on the conventional zero point clamping systems by mounting an appropriate adapter clamping bolt.

On request:

With rotation lock

KIPP UNILOCK 5-axis basic module

Order No.	Version 2	Form	Form-Type	H	D	SW	Holding force F kN	Tightening torque max. Nm	weight kg
K0960.1207550400	foot without elongated hole	A	without rotation lock	75	80	6	50	15	3,64
K0960.1210050400	foot without elongated hole	A	without rotation lock	100	80	6	50	15	4,6
K0960.12125500	foot with elongated hole	A	without rotation lock	125	80	6	50	15	6,8
K0960.12150500	foot with elongated hole	A	without rotation lock	150	80	6	50	15	7,8
K0960.12175500	foot with elongated hole	A	without rotation lock	175	80	6	50	15	9,26
K0960.16125500	foot with elongated hole	A	without rotation lock	125	80	6	50	15	6,55
K0960.16150500	foot with elongated hole	A	without rotation lock	150	80	6	50	15	7,6
K0960.16175500	foot with elongated hole	A	without rotation lock	175	80	6	50	15	8,45

UNILOCK 5-axis basic module double clamp

size 80 mm



Material:

Carbon steel.

Version:

Main body oxidised.
Contact faces hardened and ground.

Sample order:

K0961.1212550400

Note:

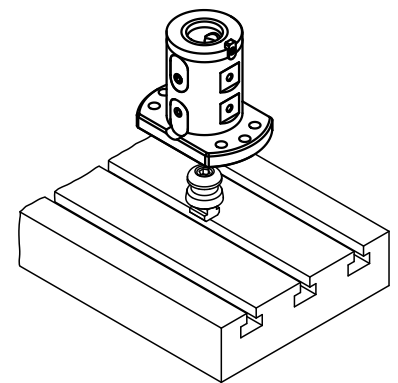
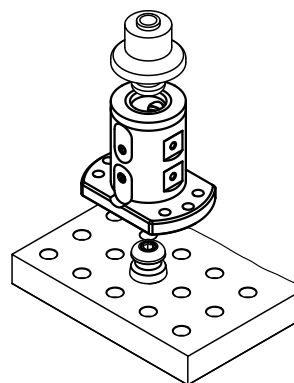
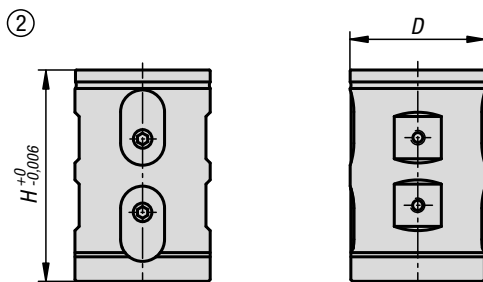
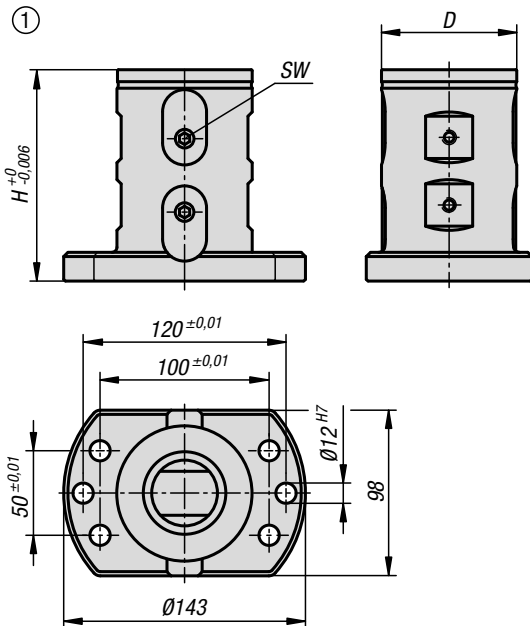
The UNILOCK 5-axis basic module can be adapted directly to subplates with grid holes or T-slots or to tooling plates with hole pitch of 40/50 mm system size M12. Suitable for UNILOCK zero point clamping system with UNILOCK clamping bolts. Can also be used on the conventional zero point clamping systems by mounting an appropriate adapter clamping bolt. The basic module without base is particularly suitable for space-saving set-ups.

On request:

With rotation lock

Drawing reference:

- 1) with foot
- 2) without foot



KIPP UNILOCK 5-axis basic module double clamp

Order No.	Product type	Form	Form-Type	D	H	SW	Holding force F kN	Tightening torque max. Nm	weight kg
K0961.1212550400	with foot	A	without rotation lock	80	125	6	50	15	4,96
K0961.12500	without foot	A	without rotation lock	80	125	6	50	15	4,31

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