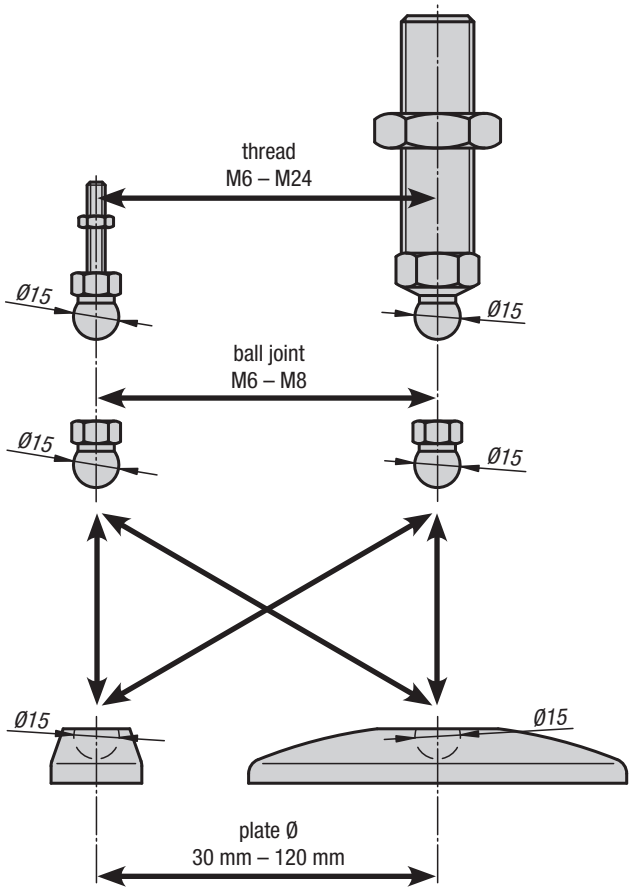
Swivel feet, levelling feet

Modular structure of a swivel foot

Application:
Swivel feet are of modular design. The components can be individually combined to match the application. The swivel feet are applicable for use on machines, plants and even office furniture.

Modular design:
Swivel feet consist of two components - a plate and a threaded spindle or ball joint. **Any** plate can be combined with **any** threaded spindle or ball joint (see Fig. 1).

Fig. 1

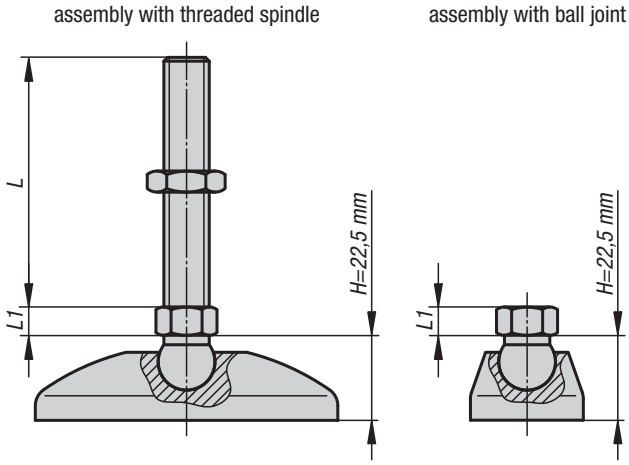


Assembly:
Using a plastic hammer, knock the ball of the threaded spindle or ball joint vertically into the swivel foot plate. If necessary, the two fastening holes (closed) in the swivel foot plate can be opened by simply punching them out to allow the swivel foot to be fastened to a base.

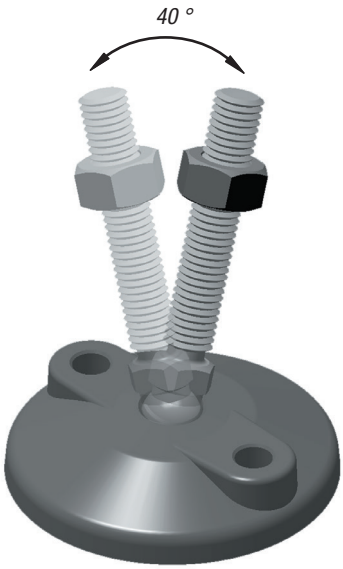
Height of swivel foot:
Swivel feet always have a minimum height of H = 22.5 mm independently of the plate, threaded spindle or ball joint size (see Fig. 2). When assembling with threaded spindle, the height of the complete swivel foot is calculated by adding 22.5 mm to the length of the threaded spindle + the height of the hexagon.
(Total height of swivel foot = L + L1 + 22.5 mm).

When assembling with ball joint, the length L is void.

Fig. 2



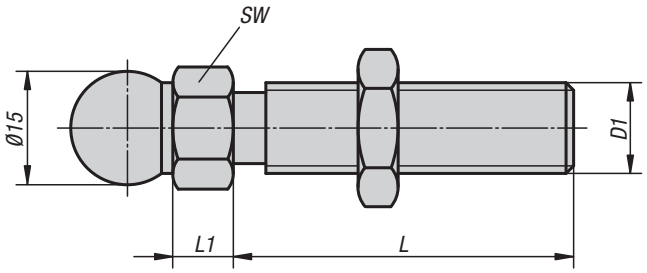
Inclination angle of threaded spindle or ball joint:



Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint (see sample order on the relevant product page).

Swivel feet threaded spindles

steel or stainless steel



Material:
Steel or 1.4305 stainless steel

Version:
Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:
K0421.060151
K0421.060151 and K0415.1030 **assembled**

Note for ordering:
If the threaded spindle and the plate are to be supplied assembled, please add the suffix **"assembled"** to the order number for the spindle and plate.
(e.g. K0421.060151 and K0415.1030 **assembled**.)

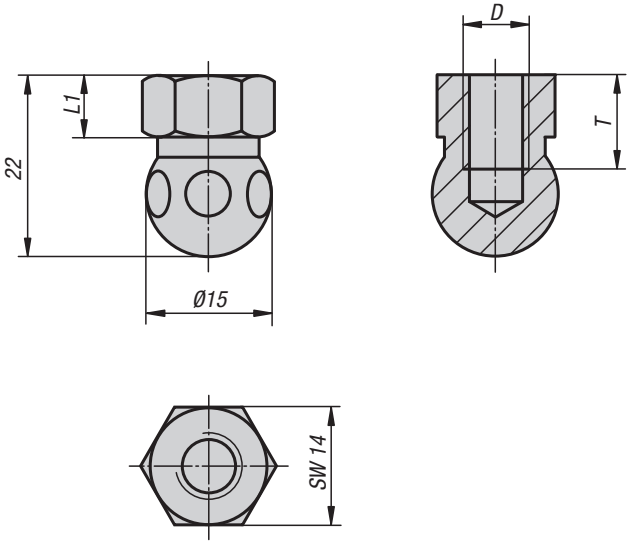
Note:
Swivel feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. The height of the complete swivel foot is calculated by the length of the threaded spindle + height of hexagon + 22.5 mm.
(Overall height of swivel foot = L + L1 + 22.5 mm).

KIPP Swivel feet threaded spindles

Order No. steel	Order No. stainless steel	D1	L	L1	SW	Load rating max. kN
K0421.060151	K0421.060152	M6	15	7,5	14	2
K0421.060301	K0421.060302	M6	30	7,5	14	2
K0421.080401	K0421.080402	M8	40	7,5	14	3,5
K0421.080801	K0421.080802	M8	80	7,5	14	3,5
K0421.100451	K0421.100452	M10	45	7,5	14	4,7
K0421.100701	K0421.100702	M10	70	7,5	14	4,7
K0421.100901	K0421.100902	M10	90	7,5	14	4,7
K0421.101251	K0421.101252	M10	125	7,5	14	4,7
K0421.101501	K0421.101502	M10	150	7,5	14	4,7
K0421.120451	K0421.120452	M12	45	7,5	14	7,7
K0421.120661	K0421.120662	M12	66	7,5	14	7,7
K0421.121001	K0421.121002	M12	100	7,5	14	7,7
K0421.121251	K0421.121252	M12	125	7,5	14	7,7
K0421.121501	K0421.121502	M12	150	7,5	14	7,7
K0421.140661	K0421.140662	M14	66	7,5	14	11,1
K0421.141001	K0421.141002	M14	100	7,5	14	11,1
K0421.141251	K0421.141252	M14	125	7,5	14	11,1
K0421.141501	K0421.141502	M14	150	7,5	14	11,1
K0421.160661	K0421.160662	M16	66	7,5	17	14,5
K0421.161001	K0421.161002	M16	100	7,5	17	14,5
K0421.161251	K0421.161252	M16	125	7,5	17	14,5
K0421.161501	K0421.161502	M16	150	7,5	17	14,5
K0421.162001	K0421.162002	M16	200	7,5	17	14,5
K0421.200851	K0421.200852	M20	85	10,5	22	24,3
K0421.201001	K0421.201002	M20	100	10,5	22	24,3
K0421.201251	K0421.201252	M20	125	10,5	22	24,3
K0421.201501	K0421.201502	M20	150	10,5	22	24,3
K0421.202001	K0421.202002	M20	200	10,5	22	24,3
K0421.240851	K0421.240852	M24	85	10,5	24	36,1
K0421.241001	K0421.241002	M24	100	10,5	24	36,1
K0421.241251	K0421.241252	M24	125	10,5	24	36,1
K0421.241501	K0421.241502	M24	150	10,5	24	36,1
K0421.242001	K0421.242002	M24	200	10,5	24	36,1

Swivel feet ball joints

with internal thread



Material:
Steel or stainless steel 1.4301.

Version:
Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:
K0422.061
K0422.061 and K0415.1030 **assembled**

Note for ordering:
If the ball joint and plate are to be supplied assembled, please add the suffix **"assembled"** to the order number for the ball joint and plate.
(e.g. K0422.061 and K0415.1030 **assembled**.)

Note:
For fastening swivel feet with standard screws.

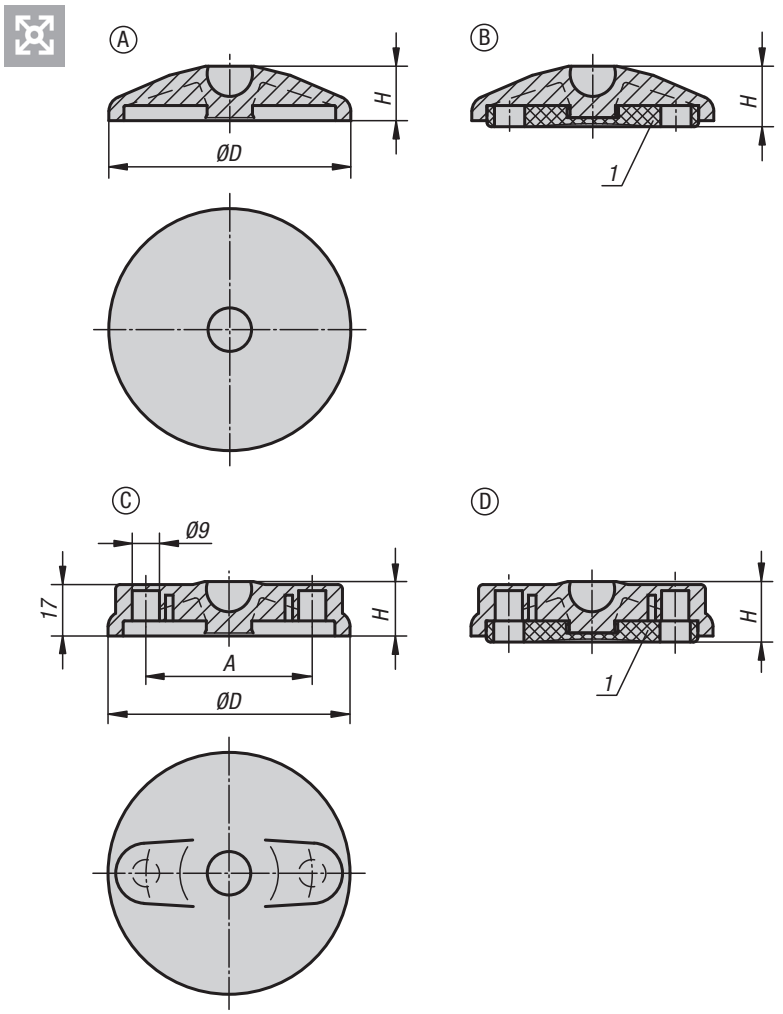
Swivel feet consist of a ball joint and a plate. Any ball joint can be combined with any plate.
The height of the complete swivel foot is calculated by the height of the hexagon + 22.5 mm.
(Overall height of swivel foot = L1 + 22.5 mm).

KIPP Swivel feet ball joints with internal thread

Order No. steel	Order No. stainless steel	D	L1	T
K0422.061	**K0422.062**	M6	7,5	10
K0422.081	**K0422.082**	M8	7,5	10

Swivel feet plates

plastic



Material:
Plates, thermoplastic, glass bead reinforced.
Anti-slip plate thermoplastic elastomer.

Version:
black.

Sample order:
K0415.1030
K0415.1030 and K0421.060151 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint.
(e.g. K0415.1030 and K0421.060151 **"assembled"**.)

Note:
Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

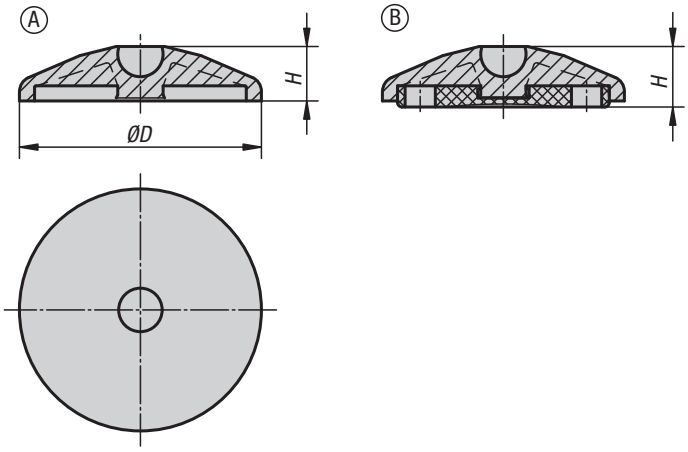
Drawing reference:
Form A
without screw-on hole, without anti-slip plate
Form B
without screw-on hole, with anti-slip plate
Form C
with screw-on hole (closed), without anti-slip plate
Form D
with screw-on hole (closed), with anti-slip plate

1) From plate Ø 80

KIPP Swivel feet plates, plastic

Order No.	Form	D	A	H	Load rating max. kN
K0415.1030	A	30	-	18	5
K0415.1040	A	40	-	18	9
K0415.1045	A	45	-	18	9
K0415.1050	A	50	-	18	9
K0415.1060	A	60	-	18	9
K0415.1080	A	80	-	18	9
K0415.1100	A	100	-	18	9
K0415.2030	B	30	-	20	5
K0415.2040	B	40	-	20	9
K0415.2045	B	45	-	20	9
K0415.2050	B	50	-	20	9
K0415.2060	B	60	-	20	9
K0415.2080	B	80	-	20	9
K0415.2100	B	100	-	20	9
K0415.3080	C	80	55	18	9
K0415.3100	C	100	74	18	9
K0415.3120	C	120	94	18	9
K0415.4080	D	80	55	20	9
K0415.4100	D	100	74	20	9
K0415.4120	D	120	94	20	9

Swivel feet plates antistatic



Material:
Plates, thermoplastic, glass bead reinforced.
Anti-slip plate thermoplastic elastomer.

Version:
black.

Sample order:
K0415.11040

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint.
(e.g. K0415.1030 and K0421.060151 **"assembled"**.)

Note:
Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

Safety:
These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.
Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.
These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:
Device manufacturers required to conform to ATEX product directive 2014/34/EU.
Operators required to conform to ATEX worker protection directive 1999/92/EC.

Drawing reference:
Form A without screw-on hole, without anti-slip plate
Form B without screw-on hole, with anti-slip plate

KIPP Antistatic plate for swivel feet

Order No.	Form	D	H	Load rating max. kN
K0415.11040	A	40	18	9
K0415.11050	A	50	18	9
K0415.11060	A	60	18	9
K0415.12040	B	40	20	9
K0415.12050	B	50	20	9
K0415.12060	B	60	20	9

Notes

Swivel feet plates

die-cast zinc or stainless steel

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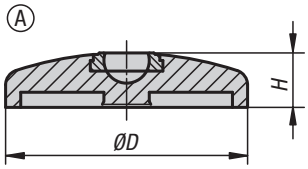

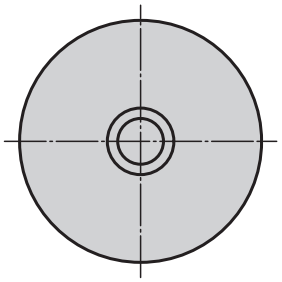

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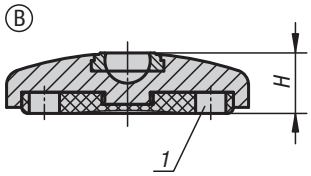

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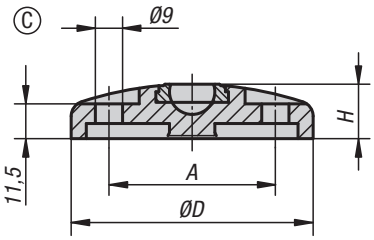

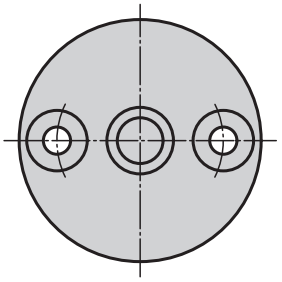

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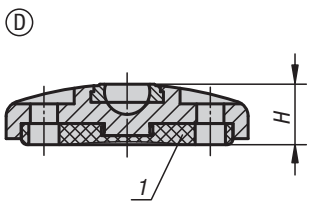


Material:
Plate die-cast zinc or stainless steel 1.4305.
Anti-slip plate thermoplastic elastomer.

Version:
Die-cast zinc plate, black powder-coated.
Stainless steel plate, bright.

Sample order:
K0416.10301
K0416.10301 and K0421.060151 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or the ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or the ball joint.
(e.g. K0416.10301 and K0421.060151 **assembled**).

Note:
Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

Drawing reference:
Form A
without screw-on hole, without anti-slip plate
Form B
without screw-on hole, with anti-slip plate
Form C
with screw-on hole (open), without anti-slip plate
Form D
with screw-on hole (open), with anti-slip plate

1) From plate Ø 80

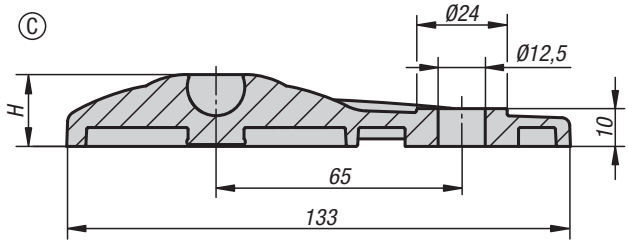
Swivel feet plates

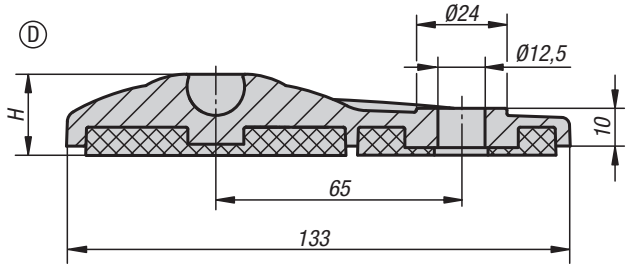
die-cast zinc or stainless steel

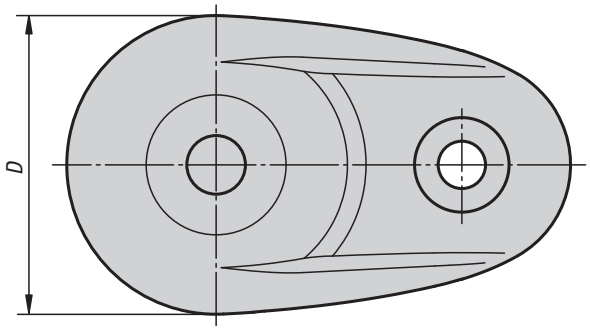
Order No.	Form	Main material	D	A	H	Load rating max. kN
K0416.10301	A	zinc	30	-	18	20
K0416.10401	A	zinc	40	-	18	30
K0416.10451	A	zinc	45	-	18	30
K0416.10501	A	zinc	50	-	18	30
K0416.10601	A	zinc	60	-	18	30
K0416.10801	A	zinc	80	-	18	30
K0416.11001	A	zinc	100	-	18	35
K0416.11201	A	zinc	120	-	18	35
K0416.10302	A	stainless steel	30	-	18	20
K0416.10402	A	stainless steel	40	-	18	30
K0416.10452	A	stainless steel	45	-	18	30
K0416.10502	A	stainless steel	50	-	18	35
K0416.10602	A	stainless steel	60	-	18	35
K0416.10802	A	stainless steel	80	-	18	35
K0416.11002	A	stainless steel	100	-	18	40
K0416.11202	A	stainless steel	120	-	18	40
K0416.20401	B	zinc	40	-	20	30
K0416.20601	B	zinc	60	-	20	30
K0416.20802	B	stainless steel	80	-	20	35
K0416.20302	B	stainless steel	30	-	20	20
K0416.20451	B	zinc	45	-	20	30
K0416.20502	B	stainless steel	50	-	20	35
K0416.21202	B	stainless steel	120	-	20	40
K0416.21201	B	zinc	120	-	20	35
K0416.20301	B	zinc	30	-	20	20
K0416.20801	B	zinc	80	-	20	30
K0416.20452	B	stainless steel	45	-	20	30
K0416.21002	B	stainless steel	100	-	20	40
K0416.20501	B	zinc	50	-	20	30
K0416.20602	B	stainless steel	60	-	20	35
K0416.21001	B	zinc	100	-	20	35
K0416.20402	B	stainless steel	40	-	20	30
K0416.30801	C	zinc	80	55	18	30
K0416.31001	C	zinc	100	74	18	35
K0416.31201	C	zinc	120	94	18	35
K0416.30802	C	stainless steel	80	55	18	35
K0416.31002	C	stainless steel	100	74	18	40
K0416.31202	C	stainless steel	120	94	18	40
K0416.40801	D	zinc	80	55	20	30
K0416.41001	D	zinc	100	74	20	35
K0416.41201	D	zinc	120	94	20	35
K0416.40802	D	stainless steel	80	55	20	35
K0416.41002	D	stainless steel	100	74	20	40
K0416.41202	D	stainless steel	120	94	20	40

Swivel feet plates extended

plastic







Material:
Plates, thermoplastic, fibreglass reinforced.
Anti-slip plate thermoplastic elastomer.

Version:
black.

Sample order:
K0654.1030
K0654.1030 and K0421.060151 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint.
(e.g. K0654.30803 and K0421.060151 **assembled**.)

Note:
Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

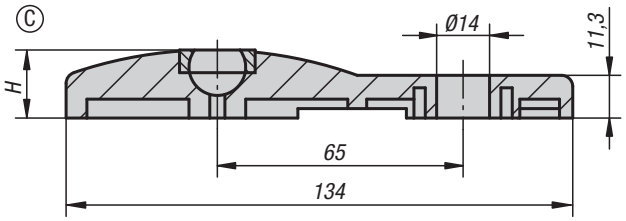
Drawing reference:
Form C with screw-on hole, without anti-slip plate
Form D with screw-on hole, with anti-slip plate

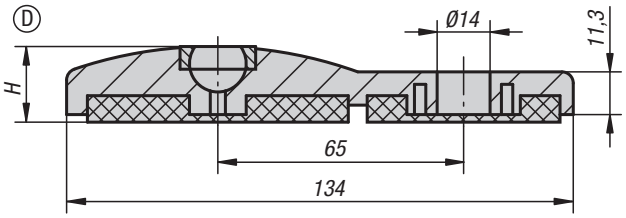
KIPP Swivel feet plates extended, plastic

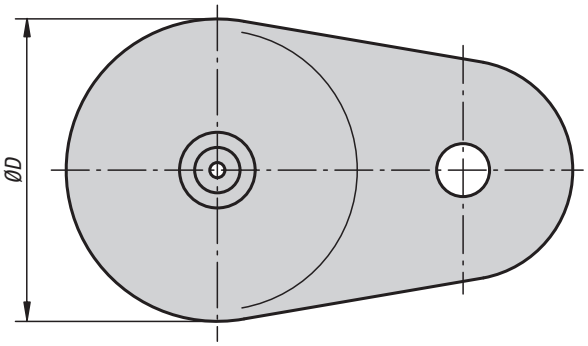
Order No.	Form	D	H	Load rating max. kN
K0654.30803	C	80	19	30
K0654.40803	D	80	21	30

Swivel feet plates extended

die-cast zinc







Material:
Plate die-cast zinc.
Anti-slip plate thermoplastic elastomer.

Version:
Plate black powder-coated.

Sample order:
K0417.30801
K0417.30801 and K0421.060151 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint.
(e.g. K0417.30801 and K0421.060151 **assembled**.)

Note:
Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

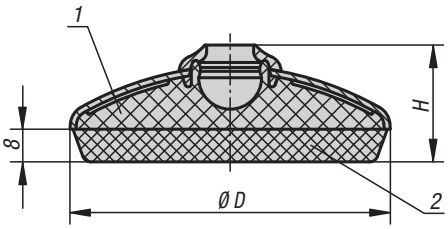
Drawing reference:
Form C with screw-on hole, without anti-slip plate
Form D with screw-on hole, with anti-slip plate

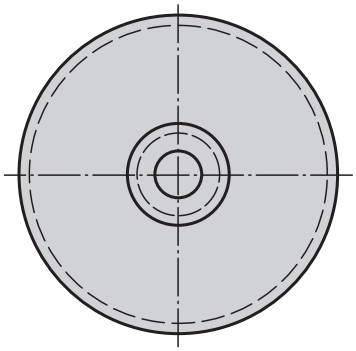
KIPP Swivel feet plates extended, die-cast zinc

Order No.	Form	D	H	Load rating max. kN
K0417.30801	C	80	18	30
K0417.40801	D	80	20	30

Swivel feet plates

stainless steel





Material:
Plates, stainless steel 1.4301.
Core, thermoplastic PA.
Rubber support TPE.

Version:
Plate bright.
Rubber support light grey with sealing lip, hardness 70 Shore A.
Temp. range -20°C to +100°C.

Sample order:
K0418.1060
K0418.1060 and K0421.060152 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint. (e.g. K0418.1060 and K0421.060152 **assembled**.)

Note:
The rubber support is joined with the stainless steel plate and the PA core by injection moulding. The rubber support is resistant to oil and water (up to 60 °C). In addition, it is furnished with antibacterial and antimicrobial protection and is thus outstandingly suited for sectors in the food industry.

Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

Drawing reference:
1) PA-core
2) rubber base

KIPP Swivel feet plates, stainless steel

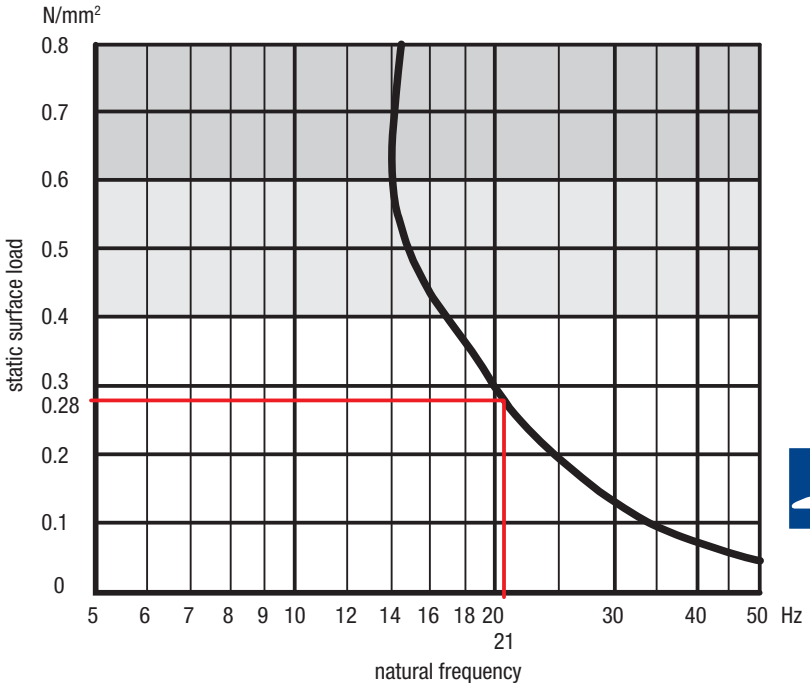
Order No.	D	H	Load rating max. kN
K0418.1060	58,5	29	7
K0418.1080	78,5	29	7
K0418.1100	98,5	29	7

Technical information
Swivel feet and plates with vibration absorption

Natural frequency:
Every sprung weight, such as a machine or piece of equipment, that is standing on swivel feet with vibration absorbers vibrates after an initial impetus at its own natural frequency (resonance frequency). In the diagram to the side (Fig. 1) the natural frequency of Sylomer V12 under pressure by various forces can be read. The optimum range of use is with a pressure of ≤ 0.4 N/mm. A maximum pressure of 0.6 N/mm should not be exceeded.

Interference frequency:
The frequency emitted by a machine or a piece of equipment is known as its interference frequency. Effective vibration absorption is dependent on the interference frequency (the frequency to be absorbed) and the natural frequecy of the absorption unit. The greater the difference in frequency between the natural frequency and the interference frequency, the better the absorption. An absorbing effect will only be achieved if the interference frequency is over √2 times the natural frequency of the absorption unit.

Fig. 1



Calculation example:

Swivel foot: M12, D1=30,5
Loading: 300N

Pressure: $\frac{F}{A} = \frac{300\ N}{529{,}5\ mm^2} = 0{,}57\ N/mm^2$

$> 0{,}4\ N/mm^2$

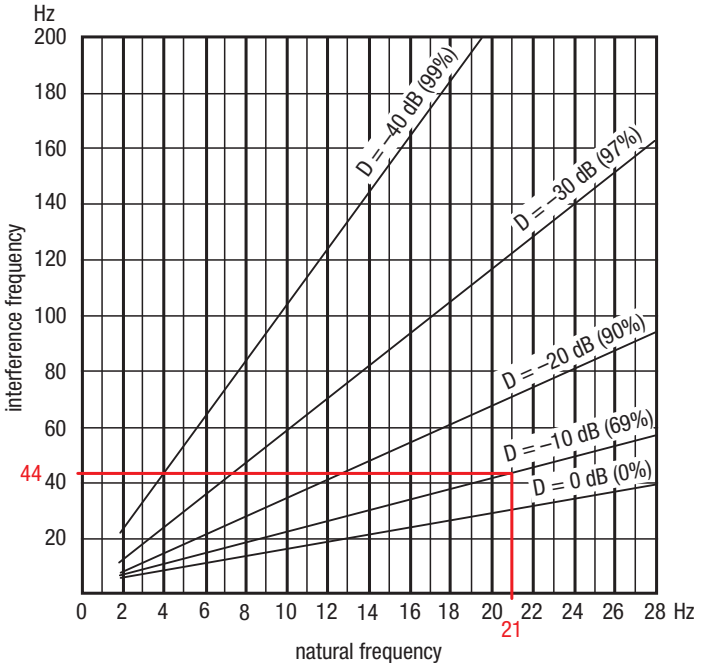
Swivel foot: M16, D1=40,5
Loading: 300N

Pressure: $\frac{F}{A} = \frac{300\ N}{1087{,}2\ mm^2} = \mathbf{0{,}28\ N/mm^2}$

$< 0{,}4\ N/mm^2$

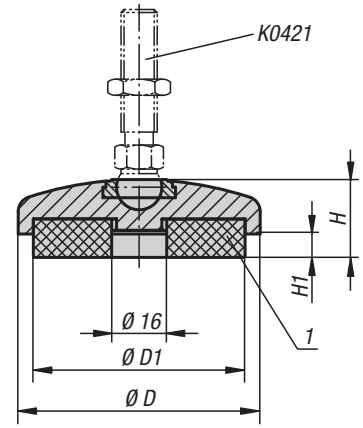
The M16 swivel foot is chosen since the pressure is ≤ 0.4 N/mm². From Fig. 1, a pressure of **0.28 N/mm²** gives a natural frequency of **21 Hz**. With an interference frequency of **44 Hz** an absorption effect of 69% is achieved (Fig. 2).

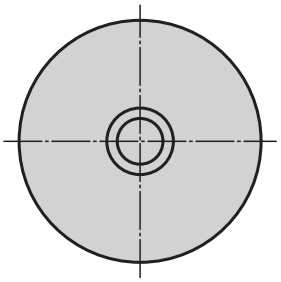
Fig. 2



Swivel feet plates

with vibration absorption





Material:
Plate die-cast zinc or stainless steel 1.4305.
Damper plate PUR elastomere (Sylomer V12).

Version:
Die-cast zinc plate, black powder-coated.
Stainless steel plate, bright.
Damper plate, grey, glued in, anti-slip.
Temp. range -30 °C to +70 °C.

Sample order:
K0419.20601
K0419.20601 and K0421.060151 **assembled**

Note for ordering:
If the swivel foot plate and the threaded spindle or ball joint are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and the spindle or ball joint.
(e.g. K0419.20601 and K0421.060151 **assembled**.)

Note:
The load rating given in the table is a recommendation of the **permanent static** load up to which the absorption unit should be used. This static load corresponds to a surface pressure of 0.4 N/mm², at which the material achieves its optimum absorption properties. Here it is taken into account that under dynamic demands an additional load, up to 0.6 N/mm² may occur. The damper plate absorbs vibrations and prevents the swivel foot slipping.

Swivel feet consist of a plate and a threaded spindle or ball joint. Any plate can be combined with any threaded spindle or ball joint.
For matching threaded spindles see K0421.
For matching ball joints see K0422.

Drawing reference:
1) damper plate

KIPP Swivel feet plates, die-cast zinc

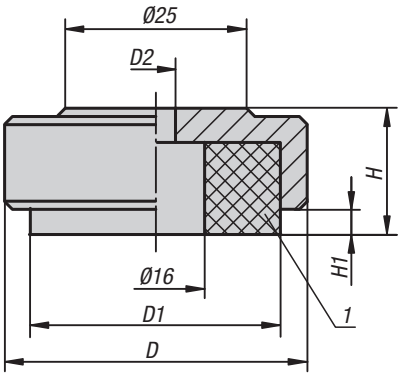
Order No.	D	D1	H	H1 by 0 / 0.4 / 0.6 N/mm²	Load rating max. kN
K0419.20401	40	30,5	25	7 / 5,9 / 4,8	0,062
K0419.20501	50	40,5	25	7 / 5,9 / 4,8	0,212
K0419.20601	60	50	25	7 / 5,9 / 4,8	0,433
K0419.20801	80	68	25	7 / 5,9 / 4,8	0,614

KIPP Swivel feet plates, stainless steel

Order No.	D	D1	H	H1 by 0 / 0.4 / 0.6 N/mm²	Load rating max. kN
K0419.20402	40	30,5	25	7 / 5,8 / 4,9	0,212
K0419.20502	50	40,5	25	7 / 5,8 / 4,9	0,435
K0419.20602	60	50	25	7 / 5,8 / 4,9	0,705
K0419.20802	80	68	25	7 / 5,8 / 4,9	1,372

Machine feet

with vibration absorption



Material:
Plate steel or stainless steel 1.4404.
Damper plate PUR elastomer (Sylomer V12).

Version:
Plate trivalent blue passivated or bright.
Damper plate grey, glued in, anti-slip.
Temp. range -30 °C to +70 °C.

Sample order:
K0670.046

Note:
The load rating given in the table is a recommendation of the **permanent static** load up to which the damper plate should be used.
This static load corresponds to a surface pressure of 0.4 N/mm², at which the material reaches its optimum absorption properties. Here it is taken into account that under dynamic loading an additional load of up to 0.6 N/mm² may occur.
The damper plate absorbs vibrations and prevents the machine foot slipping.

Drawing reference:
1) damper plate

KIPP Machine feet with vibration absorption

Order No.	Main material	D	D1	D2	H	H1 by 0 / 0.4 / 0.6 N/mm²	Load rating max. kN
K0670.036	steel	36	30,5	5,5	15	4 / 2,8 / 1,9	0,212
K0670.046	steel	46	40,5	6,6	17	4 / 2,8 / 1,9	0,435
K0670.056	steel	56	50	9	19	4 / 2,8 / 1,9	0,705
K0670.074	steel	74	68	9	21	4 / 2,8 / 1,9	1,372
K0670.1036	stainless steel	36	30,5	5,5	15	4 / 2,8 / 1,9	0,212
K0670.1046	stainless steel	46	40,5	6,6	17	4 / 2,8 / 1,9	0,435
K0670.1056	stainless steel	56	50	9	19	4 / 2,8 / 1,9	0,705

Modular structure of a levelling foot

Application:
Levelling feet are of modular design. The components can be individually combined to match the application. Levelling feet can be used on machines, plants and even office furniture.

Modular design:
The levelling feet consist of two components - a plate and a threaded spindle. **Any** plate can be combined with **any** threaded spindle (see Fig. 1).

Levelling feet height:
Regardless of the plate or threaded spindle size, levelling feet always have a minimum height of H = 30 mm (see Fig. 2). The height of the complete levelling foot is calculated from the length of the threaded spindle + 30 mm. (Total height of levelling foot = L + 30 mm).

Fig. 1

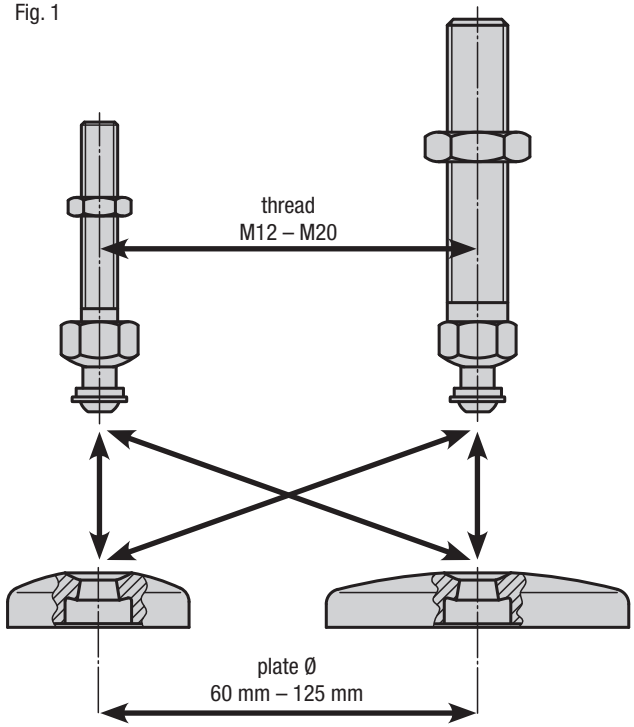
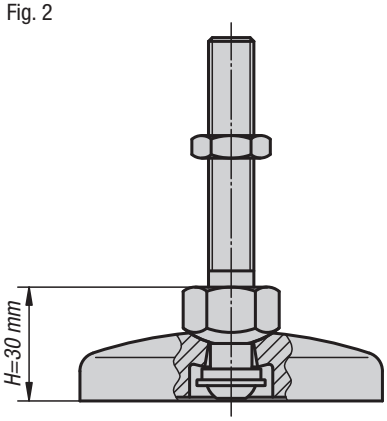
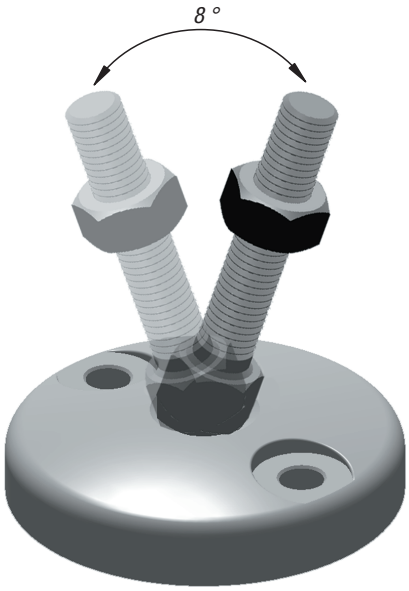


Fig. 2



Inclination angle of threaded spindle:

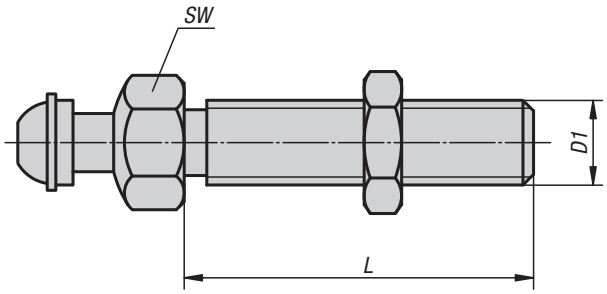


Assembly:
Insert the threaded spindle vertically into the levelling foot plate and fasten it from underneath with a spacer ring, washer and screw (no unintentional loosening of threaded spindle from the plate). If necessary, the two fastening holes (closed) in the levelling foot plate can be opened by simply punching them out to allow the levelling foot to be bolted to the floor.

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle (see sample order on the relevant product page).

Levelling feet threaded spindles

steel or stainless steel



Material:
Steel or 1.4305 stainless steel

Version:
Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:
K0427.120661
K0427.120661 and K0423.1060 **assembled**

Note for ordering:
If the threaded spindle and the levelling foot plate are to be supplied assembled, please add the suffix **"assembled"** to the order number for the spindle and plate. (e.g. K0427.120661 and K0423.1060 **assembled**.)

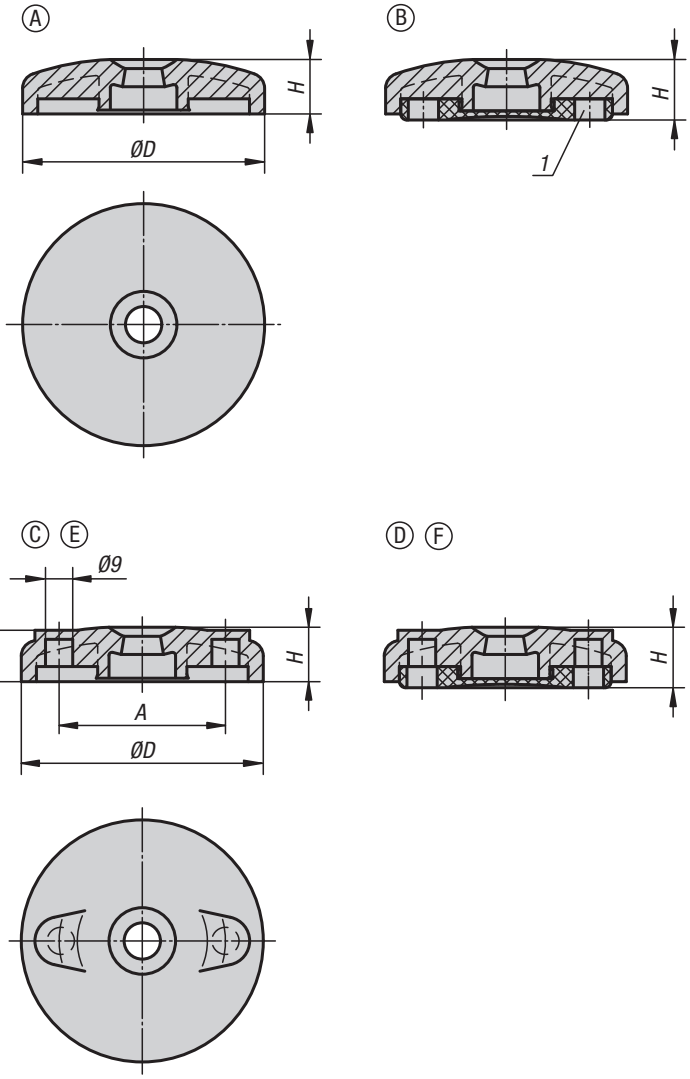
Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. The height of the complete levelling foot is calculated from the length of the threaded spindle + 30 mm. (Total height of levelling foot = L + 30 mm)

KIPP Levelling feet threaded spindles steel or stainless steel

Order No. steel	Order No. stainless steel	D1	L	SW	Load rating max. kN
K0427.120661	**K0427.120662**	M12	66	22	7,7
K0427.121001	**K0427.121002**	M12	100	22	7,7
K0427.121251	**K0427.121252**	M12	125	22	7,7
K0427.121501	**K0427.121502**	M12	150	22	7,7
K0427.160661	**K0427.160662**	M16	66	22	14,5
K0427.161001	**K0427.161002**	M16	100	22	14,5
K0427.161251	**K0427.161252**	M16	125	22	14,5
K0427.161501	**K0427.161502**	M16	150	22	14,5
K0427.162001	**K0427.162002**	M16	200	22	14,5
K0427.201001	**K0427.201002**	M20	100	22	24,3
K0427.201251	**K0427.201252**	M20	125	22	24,3
K0427.201501	**K0427.201502**	M20	150	22	24,3
K0427.202001	**K0427.202002**	M20	200	22	24,3

Levelling feet plates

plastic



Material:
Plates, thermoplastic, fibreglass reinforced.
Anti-slip plate thermoplastic elastomer.

Version:
black.

Sample order:
K0423.1060
K0423.1060 and K0427.120661 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle. (e.g. K0423.1060 and K0427.120661 **assembled**.)

Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. The anti-slip plate absorbs vibrations and prevents the levelling foot slipping.
For matching threaded spindles see K0427.

Drawing reference:
Form A
without screw-on hole, without anti-slip plate
Form B
without screw-on hole, with anti-slip plate
Form C
with screw-on hole (closed), without anti-slip plate
Form D
with screw-on hole (closed), with anti-slip plate
Form E
with screw-on hole (open), without anti-slip plate
Form F
with screw-on hole (open), with anti-slip plate

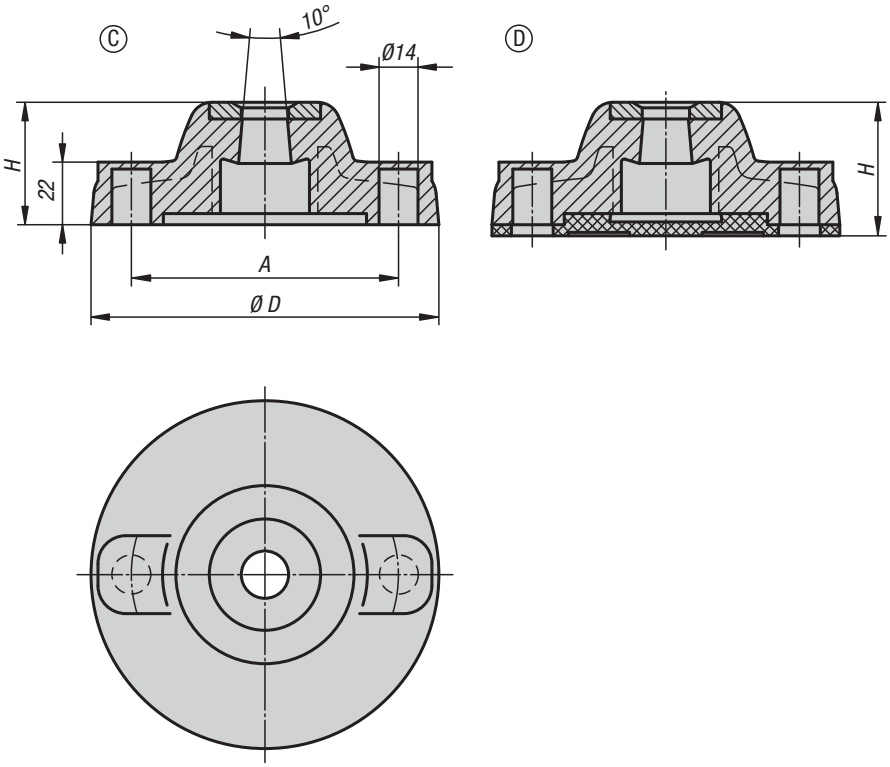
1) From plate Ø 80

KIPP Levelling feet plates plastic

Order No.	Form	D	A	H	Load rating max. kN
K0423.1060	A	60	-	18	12
K0423.1080	A	80	-	18	12
K0423.1100	A	100	-	18	12
K0423.2060	B	60	-	20	12
K0423.2080	B	80	-	20	12
K0423.2100	B	100	-	20	12
K0423.3080	C	80	55	18	12
K0423.3100	C	100	74	18	12
K0423.4080	D	80	55	20	12
K0423.4100	D	100	74	20	12
K0423.5080	E	80	55	18	12
K0423.5100	E	100	74	18	12
K0423.6080	F	80	55	20	12
K0423.6100	F	100	74	20	12

Levelling feet plates

plastic, heavy-duty version



Material:
Plates, thermoplastic, fibreglass reinforced.
Anti-slip plate thermoplastic elastomer.

Version:
black.

Sample order:
K0424.31251
K0424.31251 and K0427.120661 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle.
(e.g. K0424.31251 and K0427.120661 **assembled**.)

Note:
Levelling feet consist of a plate and a threaded spindle.
Any plate can be combined with any threaded spindle.
The anti-slip plate absorbs vibrations and prevents the levelling foot slipping.
For matching threaded spindles see K0427.

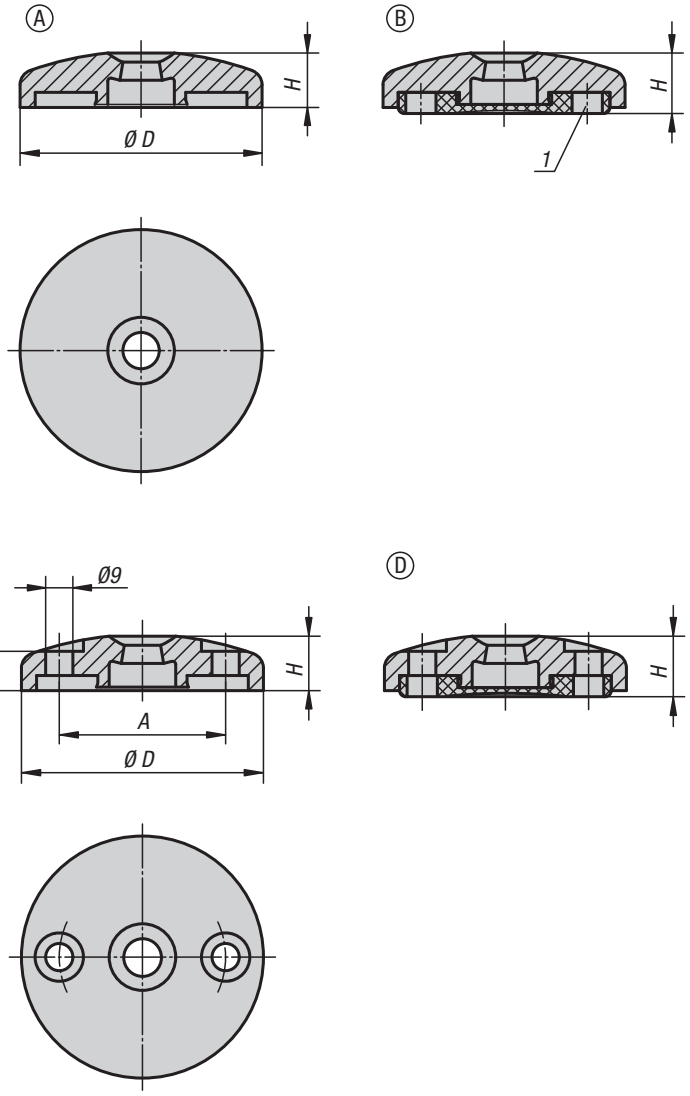
Drawing reference:
Form C with screw-on hole (closed), without anti-slip plate
Form D with screw-on hole (closed), with anti-slip plate

KIPP Levelling feet plates, plastic, heavy-duty version

Order No.	Form	D	A	H	Load rating max. kN
K0424.31251	C	125	96	44	18
K0424.31751	C	175	135	45	25
K0424.41251	D	125	96	48	18
K0424.41751	D	175	135	49	25

Levelling feet plates

die-cast zinc or stainless steel



Material:
Plate die-cast zinc or stainless steel 1.4305.
Anti-slip plate thermoplastic elastomer.

Version:
Die-cast zinc plate, black powder-coated.
Stainless steel plate, bright.

Sample order:
K0425.10601
K0425.10601 and K0427.120661 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle.
(e.g. K0425.10601 and K0427.120661 **assembled**).

Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle.
The anti-slip plate absorbs vibrations and prevents the levelling foot slipping.
For matching threaded spindles see K0427.

Drawing reference:
Form A
without screw-on hole, without anti-slip plate
Form B
without screw-on hole, with anti-slip plate
Form C
with screw-on hole (open), without anti-slip plate
Form D
with screw-on hole (open), with anti-slip plate

1) From plate Ø 80

Levelling feet plates

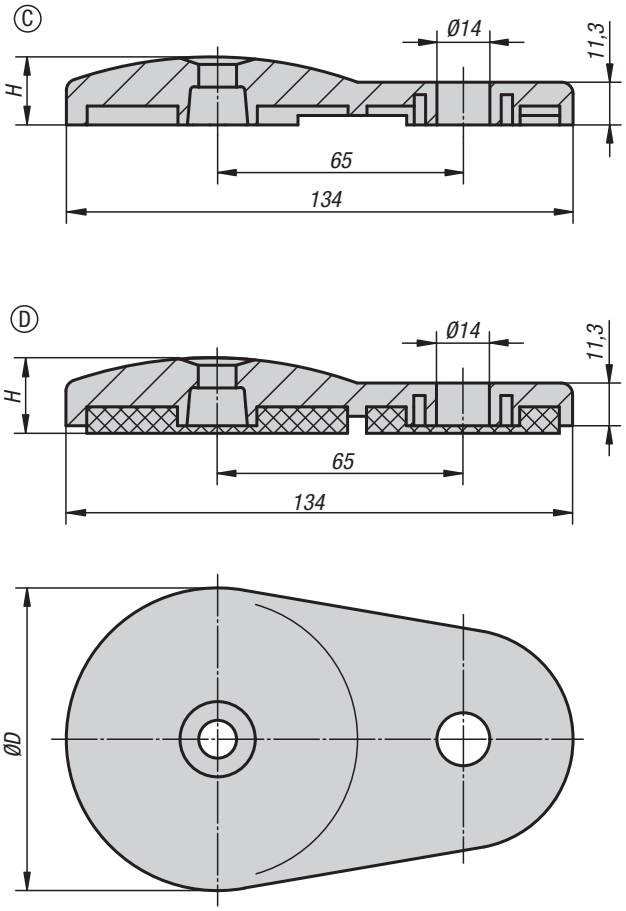
die-cast zinc or stainless steel

KIPP Levelling feet plates die-cast zinc

Order No.	Form	Main material	D	A	H	Load rating max. kN
K0425.10401	A	zinc	40	-	18	20
K0425.10451	A	zinc	45	-	18	25
K0425.10501	A	zinc	50	-	18	25
K0425.10601	A	zinc	60	-	18	35
K0425.10801	A	zinc	80	-	18	35
K0425.11001	A	zinc	100	-	18	35
K0425.11201	A	zinc	120	-	18	35
K0425.10602	A	stainless steel	60	-	18	45
K0425.10802	A	stainless steel	80	-	18	45
K0425.11002	A	stainless steel	100	-	18	45
K0425.20601	B	zinc	60	-	20	35
K0425.20801	B	zinc	80	-	20	35
K0425.21001	B	zinc	100	-	20	35
K0425.21201	B	zinc	120	-	20	35
K0425.20602	B	stainless steel	60	-	20	45
K0425.20802	B	stainless steel	80	-	20	45
K0425.21002	B	stainless steel	100	-	20	45
K0425.30801	C	zinc	80	55	18	35
K0425.31001	C	zinc	100	74	18	35
K0425.30802	C	stainless steel	80	55	18	45
K0425.31002	C	stainless steel	100	74	18	45
K0425.40801	D	zinc	80	55	20	35
K0425.41001	D	zinc	100	74	20	35
K0425.40802	D	stainless steel	80	55	20	45
K0425.41002	D	stainless steel	100	74	20	45

Levelling feet plates extended

die-cast zinc



Material:
Plate die-cast zinc.
Anti-slip plate thermoplastic elastomer.

Version:
Plate black powder-coated.

Sample order:
K0426.30801
K0426.30801 and K0427.120661 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle.
(e.g. K0426.30801 and K0427.120661 **assembled**.)

Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. The anti-slip plate absorbs vibrations and prevents the levelling foot slipping.
For matching threaded spindles see K0427.

Drawing reference:
Form C with screw-on hole, without anti-slip plate
Form D with screw-on hole, with anti-slip plate

KIPP Levelling feet plates extended die-cast zinc

Order No.	Form	D	H	Load rating max. kN
K0426.30801	C	80	18	35
K0426.40801	D	80	20	35

Notes

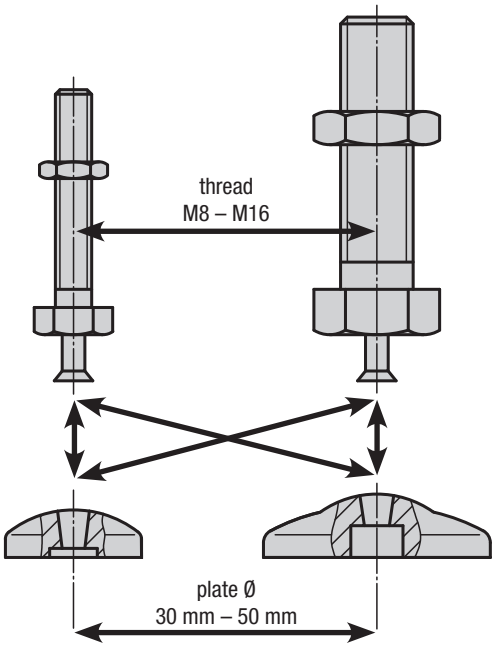
Technical information
ECO levelling feet

Modular structure of an ECO levelling foot

Application:
ECO levelling feet are of modular design. The components can be individually combined to match the application. However, the threaded spindle is not screwed but pressed in permanently. The levelling feet are used for a wide range of machines, plants and even office furniture.

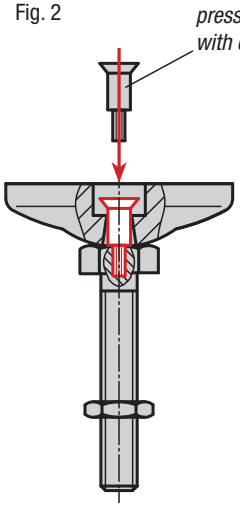
Modular design:
The levelling feet consist of two components - a plate and a threaded spindle. **Any** plate can be combined with **any** threaded spindle (see Fig. 1).

Fig. 1

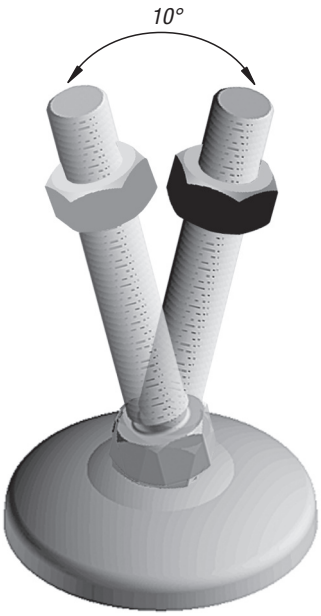


Assembly:
Place levelling foot plate on threaded spindle and press pin in up to collar (threaded spindle cannot be inadvertently removed from plate).

Fig. 2



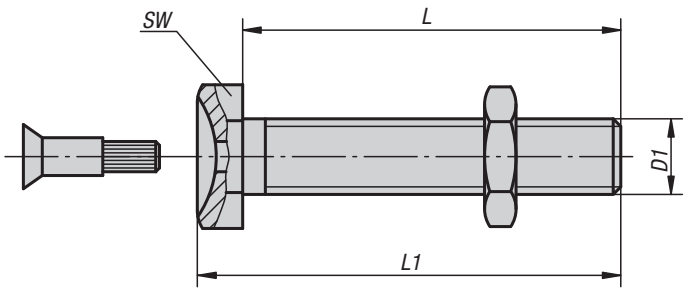
Inclination angle of threaded spindle:



Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle (see sample order on the relevant product page).

Levelling feet ECO threaded spindles

steel or stainless steel



Material:
Steel or 1.4305 stainless steel

Version:
Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:
K0429.101201
K0429.101201 and K0428.10301 **assembled**

Note for ordering:
If the threaded spindle and the levelling foot plate are to be supplied assembled, please add the suffix **"assembled"** to the order number for the spindle and plate.
(e.g. K0429.080251 and K0428.10301 **assembled**.)

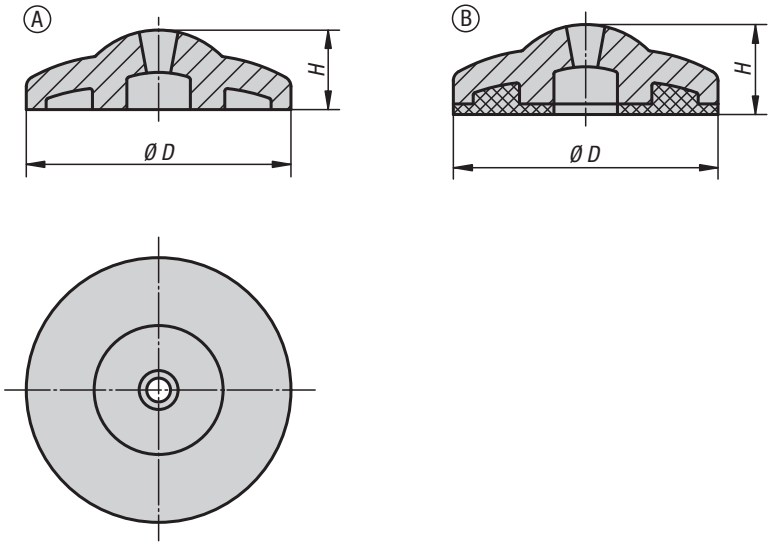
Note:
ECO levelling feet consist of a threaded spindle and a plate. Any threaded spindle can be combined with any plate.

KIPP Levelling feet ECO threaded spindles steel or stainless steel

Order No. steel	Order No. stainless steel	D1	L	L1	SW	Load rating max. kN
K0429.080251	K0429.080252	M8	25	29,5	13	3,5
K0429.080401	K0429.080402	M8	40	44,5	13	3,5
K0429.080501	K0429.080502	M8	50	54,5	13	3,5
K0429.080701	K0429.080702	M8	70	74,5	13	3,5
K0429.080801	K0429.080802	M8	80	84,5	13	3,5
K0429.081001	K0429.081002	M8	100	104,5	13	3,5
K0429.081201	K0429.081202	M8	120	124,5	13	3,5
K0429.100251	K0429.100252	M10	25	30	17	4,7
K0429.100401	K0429.100402	M10	40	45	17	4,7
K0429.100501	K0429.100502	M10	50	55	17	4,7
K0429.100701	K0429.100702	M10	70	75	17	4,7
K0429.100801	K0429.100802	M10	80	85	17	4,7
K0429.101001	K0429.101002	M10	100	105	17	4,7
K0429.101201	K0429.101202	M10	120	125	17	4,7
K0429.120251	K0429.120252	M12	25	31	19	7,7
K0429.120401	K0429.120402	M12	40	46	19	7,7
K0429.120501	K0429.120502	M12	50	56	19	7,7
K0429.120701	K0429.120702	M12	70	76	19	7,7
K0429.120801	K0429.120802	M12	80	86	19	7,7
K0429.121001	K0429.121002	M12	100	106	19	7,7
K0429.121201	K0429.121202	M12	120	126	19	7,7
K0429.160501	K0429.160502	M16	50	58,5	24	14,5
K0429.161001	K0429.161002	M16	100	108,5	24	14,5
K0429.161501	K0429.161502	M16	150	158,5	24	14,5

Levelling feet plates ECO

die-cast zinc, stainless steel or plastic



Material:
Plate thermoplastic, die-cast zinc or stainless steel 1.4305.
Anti-slip plate thermoplastic elastomer.

Version:
Thermoplastic plate black.
Die-cast zinc plate blue electro zinc-plated.
Stainless steel plate bright.

Sample order:
K0428.10303
K0428.10303 and K0429.080801 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **“assembled”** to the order number for the plate and spindle.
(e.g. K0428.10303 and K0429.080801 **“assembled”**.)

Note:
ECO levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle.
The anti-slip plate absorbs vibrations and prevents the levelling foot slipping.
For matching threaded spindles see K0429.

Drawing reference:
Form A without anti-slip plate
Form B with anti-slip plate

KIPP Levelling feet plates ECO die-cast zinc

Order No.	Form	D	H	Load rating max. kN
K0428.10301	A	30	11,5	16
K0428.10401	A	40	12	18
K0428.10501	A	50	14,5	20
K0428.20301	B	30	13,5	16
K0428.20401	B	40	14,5	18
K0428.20501	B	50	17,5	20

Levelling feet plates ECO

die-cast zinc, stainless steel or plastic

KIPP Levelling feet plates ECO stainless steel

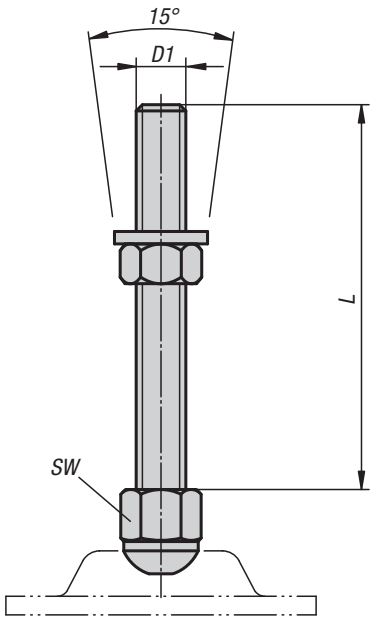
Order No.	Form	D	H	Load rating max. kN
K0428.10302	A	30	11,5	22
K0428.10402	A	40	12	24
K0428.10502	A	50	14,5	26
K0428.20302	B	30	13,5	22
K0428.20402	B	40	14,5	24
K0428.20502	B	50	17,5	26

KIPP Levelling feet plates ECO plastic

Order No.	Form	D	H	Load rating max. kN
K0428.10303	A	30	11,5	15
K0428.10403	A	40	12	15
K0428.10503	A	50	14,5	15
K0428.20303	B	30	13,5	15
K0428.20403	B	40	14,5	15
K0428.20503	B	50	17,5	15

Levelling feet threaded spindles

steel or stainless steel



Material:
Steel or stainless steel 1.4301.

Version:
Steel electro zinc-plated.
Stainless steel bright.

Sample order:
K0669.080501
K0669.080501 and K0672.10801 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle.
(e.g. K0669.080501 and K0672.10801 **assembled**).

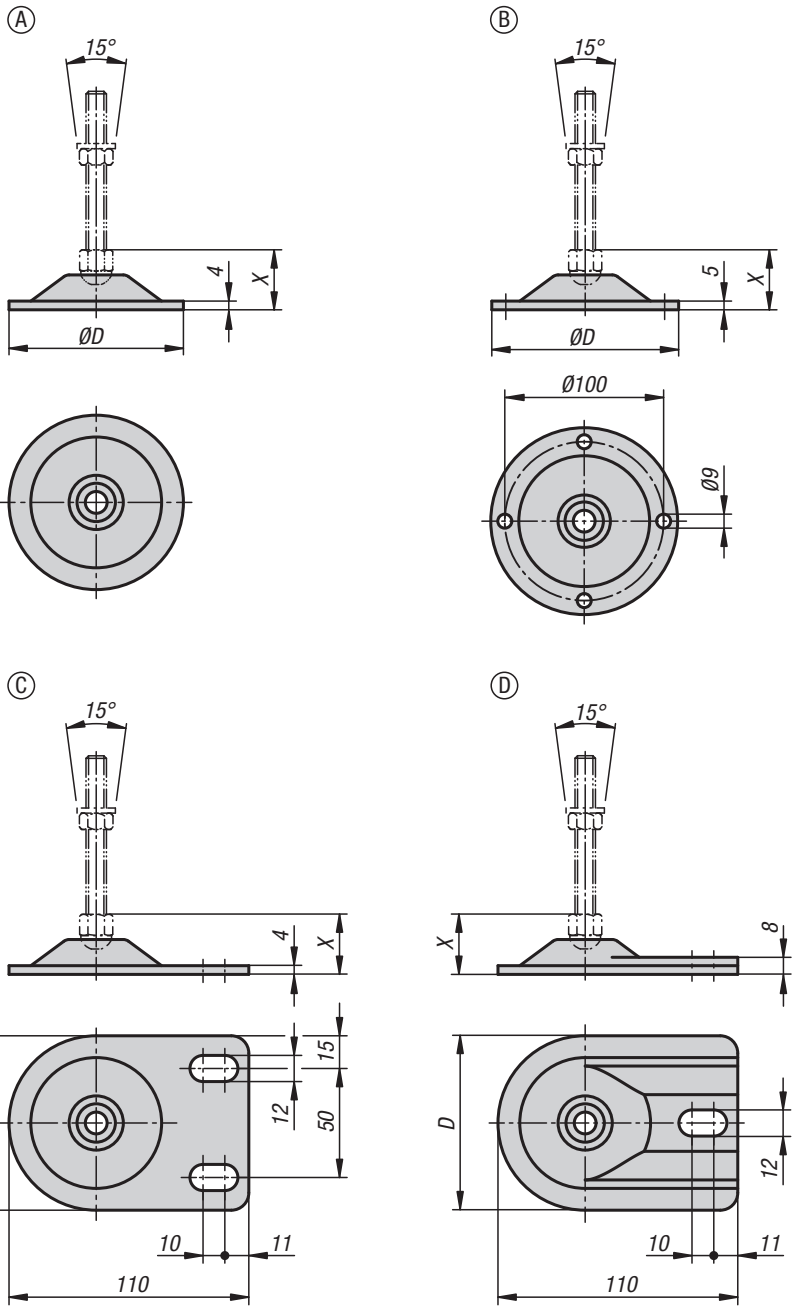
Note:
Levelling feet consist of a plate and a threaded spindle. Any threaded spindle can be combined with any plate.

KIPP Levelling feet threaded spindles steel or stainless steel

Order No. steel	Order No. stainless steel	D1	L	SW	Load rating max. kN
K0669.080501	K0669.080502	M8	50	17	40
K0669.080801	K0669.080802	M8	80	17	40
K0669.081001	K0669.081002	M8	100	17	40
K0669.081201	K0669.081202	M8	120	17	40
K0669.081501	K0669.081502	M8	150	17	40
K0669.100501	K0669.100502	M10	50	17	40
K0669.100801	K0669.100802	M10	80	17	40
K0669.101001	K0669.101002	M10	100	17	40
K0669.101201	K0669.101202	M10	120	17	40
K0669.101501	K0669.101502	M10	150	17	40
K0669.120501	K0669.120502	M12	50	19	40
K0669.120801	K0669.120802	M12	80	19	40
K0669.121001	K0669.121002	M12	100	19	40
K0669.121201	K0669.121202	M12	120	19	40
K0669.121501	K0669.121502	M12	150	19	40
K0669.160501	K0669.160502	M16	50	24	40
K0669.160801	K0669.160802	M16	80	24	40
K0669.161001	K0669.161002	M16	100	24	40
K0669.161201	K0669.161202	M16	120	24	40
K0669.161501	K0669.161502	M16	150	24	40
K0669.200501	K0669.200502	M20	50	30	40
K0669.200801	K0669.200802	M20	80	30	40
K0669.201001	K0669.201002	M20	100	30	40
K0669.201201	K0669.201202	M20	120	30	40
K0669.201501	K0669.201502	M20	150	30	40

Levelling feet plates

steel or stainless steel



Material:
Plate steel or stainless steel 1.4301.

Version:
Steel chrome-plated.
Stainless steel polished.

Sample order:
K0672.10801 K0672.10801 and K0669.080501 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle
(e.g. K0672.10801 and K0669.080501 **assembled**).

Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. For matching threaded spindles, see K0669.

Drawing reference:
1) X with spindle size:

①

A, C, D: M8/M10 = 31 mm
M12 = 32 mm
M16 = 36 mm
M20 = 39 mm

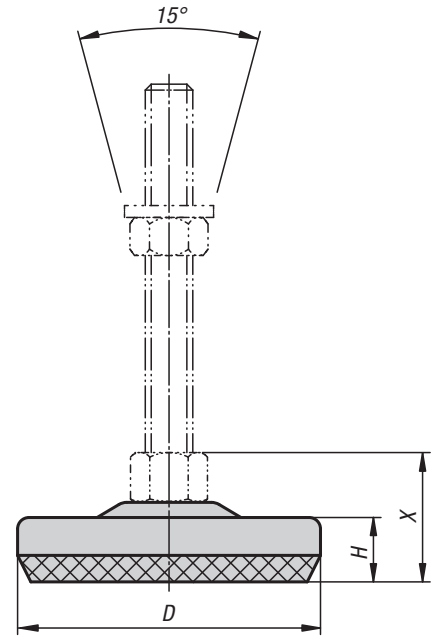
B: M8/M10 = 46 mm
M12 = 48 mm
M16 = 51 mm
M20 = 54 mm

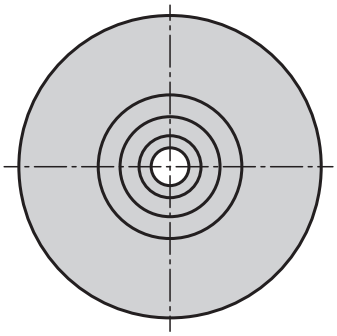
KIPP Levelling feet plates steel or stainless steel

Order No. steel	Order No. stainless steel	Form	D	Load rating max. kN
K0672.10801	**K0672.10802**	A	80	20
K0672.21251	**K0672.21252**	B	125	40
K0672.30801	**K0672.30802**	C	80	20
K0672.40801	**K0672.40802**	D	80	20

Levelling feet plates with rubber base

steel or stainless steel





D = 80 :

①
M8/M10 = 37 mm
M12 = 38 mm
M16 = 42 mm
M20 = 45 mm

D = 100 :

①
M8/M10 = 39 mm
M12 = 40 mm
M16 = 44 mm
M20 = 47 mm

Material:
Plate steel or stainless steel 1.4301.
Rubber base NBR, Shore 70A.

Version:
Steel chromed.
Stainless steel polished.

Sample order:
K0673.10801
K0673.10801 and K0669.080501 **assembled**

Note for ordering:
If the levelling foot plate and the threaded spindle are to be supplied assembled, please add the suffix **"assembled"** to the order number for the plate and spindle
(e.g. K0673.10801 and K0669.080501 **assembled**).

Note:
Levelling feet consist of a plate and a threaded spindle. Any plate can be combined with any threaded spindle. For matching threaded spindles see K0669.

Drawing reference:
1) X with spindle size:

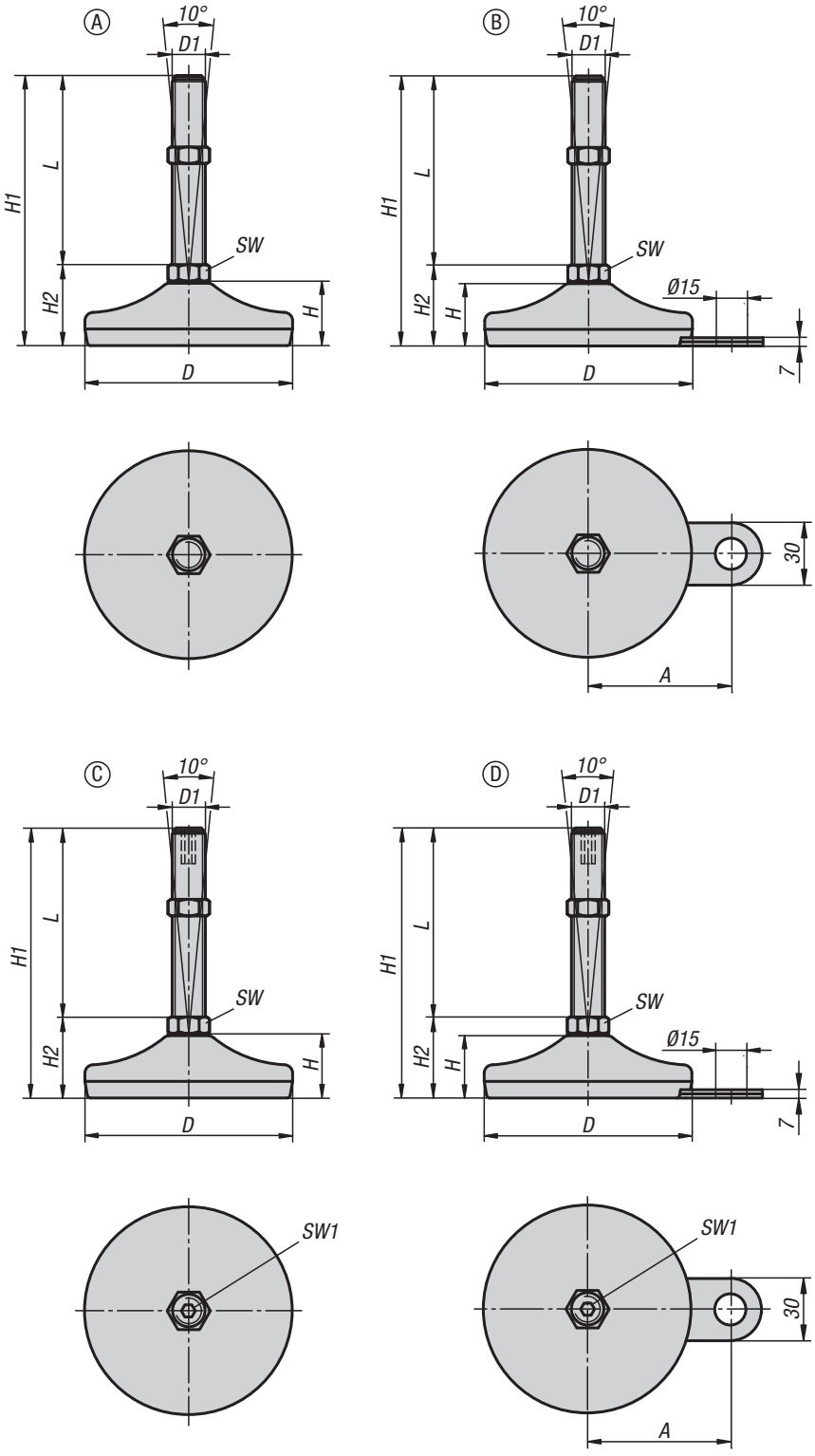
KIPP Levelling feet plates with rubber base steel or stainless steel

Order No. steel	Order No. stainless steel	D	H	Load rating max. kN
K0673.10801	**K0673.10802**	80	17	8,5
K0673.11001	**K0673.11002**	100	19	20

Notes

Levelling feet

steel or stainless steel



Material:
Foot plate and threaded spindle steel or stainless steel.
Rubber support (NBR) 80 Shore.

Version:
Foot plate, electro zinc-plated or polished.
Threaded spindle, electro zinc-plated or bright.
Rubber support, vulcanised, black.

Sample order:
K0739.1108010X50
(include length L)

Note:
Levelling feet steel or stainless steel with pivoting threaded spindle and rubber base. The solid rubber base is permanently vulcanised to the sheet metal plate. The rubber base has an excellent surface grip. It is sound damping and impedes transmission of vibrations and impacts to the floor.

The load values specified in the table are based on a test series, in which a static load was applied perpendicular to the plates through the centre of the spindle. Radially acting forces such as those produced by vibrations or other shaking effects, affect the load rating and are not taken into account for the specified values.

For stainless steel feet from spindle size M16, the wrench sizes apply across two flats.

Supplied with matching nut.

KIPP Form A

Order No.	Form	Main material	D	D1	H	H1	H2	SW	L	Load rating max. kN (static load only)
K0739.1105010X	A	steel	50	M10	19	79	29	14	50/100	4
K0739.1105012X	A	steel	50	M12	19	79	29	14	50/100/150	4
K0739.1106010X	A	steel	60	M10	22	82	32	14	50/100	7
K0739.1106012X	A	steel	60	M12	22	82	32	14	50/100/150	7
K0739.1108010X	A	steel	80	M10	25	85	35	14	50/100	10
K0739.1108012X	A	steel	80	M12	25	85	35	14	50/100/150	10
K0739.1108014X	A	steel	80	M14	25	85	35	14	50/100/150	10
K0739.1108016X	A	steel	80	M16	25	135	35	16	100/150	10
K0739.1108020X	A	steel	80	M20	25	111	36	20	75/100/150/200	10
K0739.1110020X	A	steel	100	M20	28	113,5	38,5	20	75/100/150/200/250	15
K0739.1110024X	A	steel	100	M24	28	138,5	38,5	24	100/150/200/250	15
K0739.1112020X	A	steel	120	M20	32	142,5	42,5	20	100/150/200	30
K0739.1112024X	A	steel	120	M24	32	142,5	42,5	24	100/150/200	30
K0739.1112030X	A	steel	120	M30	32	143,5	43,5	30	100/150/200	30
K0739.1205010X	A	stainless steel	50	M10	19	79	29	14	50/100	4
K0739.1205012X	A	stainless steel	50	M12	19	79	29	14	50/100/150	4
K0739.1206010X	A	stainless steel	60	M10	22	82	32	14	50/100	7
K0739.1206012X	A	stainless steel	60	M12	22	82	32	14	50/100/150	7
K0739.1208010X	A	stainless steel	80	M10	25	85	35	14	50/75/100/125	10
K0739.1208012X	A	stainless steel	80	M12	25	85	35	14	50/75/100/125/150	10
K0739.1208014X	A	stainless steel	80	M14	25	110	35	14	75/100/125/150/175	10
K0739.1208016X	A	stainless steel	80	M16	25	110	35	13	75/100/125/150/175	10
K0739.1208020X	A	stainless steel	80	M20	25	113	38	17	75/100/125/150/175/200/225	10
K0739.1210020X	A	stainless steel	100	M20	30	118	43	17	75/100/125/150/175/200	15
K0739.1210024X	A	stainless steel	100	M24	30	144	44	20	100/125/150/175/200	15
K0739.1212020X	A	stainless steel	120	M20	32	143	43	17	100/150/200	30
K0739.1212024X	A	stainless steel	120	M24	32	144	44	20	100/150/200	30
K0739.1212030X	A	stainless steel	120	M30	32	147	47	26	100/150/200	30

KIPP Form B with fastening tab

Order No.	Form	Main material	A	D	D1	H	H1	H2	SW	L	Load rating max. kN (static load only)
K0739.2106010X	B	steel	45	60	M10	22	82	32	14	50/100	7
K0739.2106012X	B	steel	45	60	M12	22	82	32	14	50/100/150	7
K0739.2108010X	B	steel	54	80	M10	25	85	35	14	50/100	10
K0739.2108012X	B	steel	54	80	M12	25	85	35	14	50/100/150	10
K0739.2108014X	B	steel	54	80	M14	25	85	35	14	50/100/150	10
K0739.2108016X	B	steel	54	80	M16	25	135	35	16	100/150	10
K0739.2108020X	B	steel	54	80	M20	25	111	36	20	75/100/150/200	10
K0739.2110020X	B	steel	69	100	M20	28	113,5	38,5	20	75/100/150/200/250	15
K0739.2110024X	B	steel	69	100	M24	28	138,5	38,5	24	100/150/200/250	15
K0739.2206010X	B	stainless steel	45	60	M10	22	82	32	14	50/100	7
K0739.2206012X	B	stainless steel	45	60	M12	22	82	32	14	50/100/150	7
K0739.2208010X	B	stainless steel	54	80	M10	25	85	35	14	50/75/100/125	10
K0739.2208012X	B	stainless steel	54	80	M12	25	85	35	14	50/75/100/125/150	10
K0739.2208014X	B	stainless steel	54	80	M14	25	110	35	14	75/100/125/150/175	10
K0739.2208016X	B	stainless steel	54	80	M16	25	110	35	13	75/100/125/150/175	10
K0739.2208020X	B	stainless steel	54	80	M20	25	113	38	17	75/100/125/150/175/200/225	10
K0739.2210020X	B	stainless steel	69	100	M20	30	118	43	17	75/100/125/150/175/200	15
K0739.2210024X	B	stainless steel	69	100	M24	30	144	44	20	100/125/150/175/200	15

Levelling feet

steel or stainless steel

KIPP Form C with hexagon socket

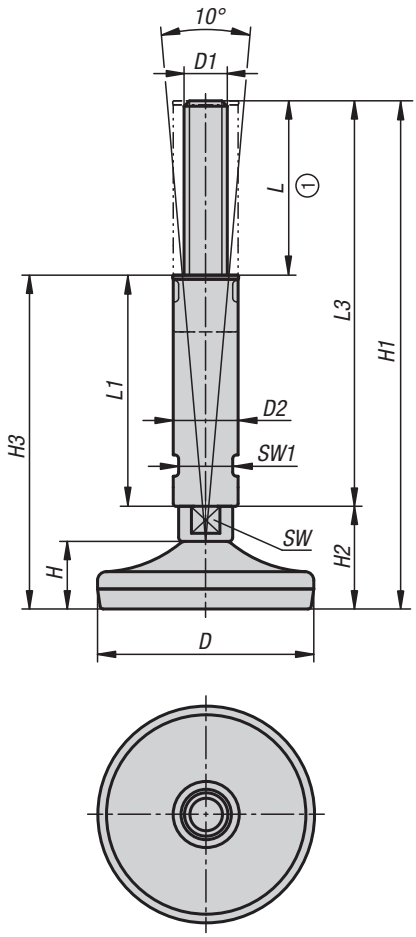
Order No.	Form	Main material	D	D1	H	H1	H2	SW	SW1	L	Load rating max. kN (static load only)
K0739.3105010X	C	steel	50	M10	19	79	29	14	5	50	4
K0739.3105012X	C	steel	50	M12	19	79	29	14	6	50/100	4
K0739.3105016X	C	steel	50	M16	19	104	29	16	8	75/100/150	4
K0739.3106010X	C	steel	60	M10	22	82	32	14	5	50	7
K0739.3106012X	C	steel	60	M12	22	82	32	14	6	50/100	7
K0739.3106016X	C	steel	60	M16	22	108	33	16	8	75/100/150	7
K0739.3108016X	C	steel	80	M16	25	135	35	16	8	100/150	10
K0739.3108020X	C	steel	80	M20	25	111	36	20	10	75	10
K0739.3110020X	C	steel	100	M20	28	138,5	38,5	20	10	100/150	15
K0739.3110024X	C	steel	100	M24	28	238,5	38,5	24	10	200	15
K0739.3112020X	C	steel	120	M20	32	142,5	42,5	20	10	100/150/200	30
K0739.3112024X	C	steel	120	M24	32	142,5	42,5	24	10	100/150/200	30
K0739.3112030X	C	steel	120	M30	32	143,5	43,5	30	10	100/150/200	30
K0739.3205010X	C	stainless steel	50	M10	19	79	29	14	5	50	4
K0739.3205012X	C	stainless steel	50	M12	19	79	29	14	6	50/100	4
K0739.3205016X	C	stainless steel	50	M16	19	104	29	13	8	75/100/150/200	4
K0739.3206010X	C	stainless steel	60	M10	22	82	32	14	5	50	7
K0739.3206012X	C	stainless steel	60	M12	22	82	32	14	6	50/100	7
K0739.3206016X	C	stainless steel	60	M16	22	108	33	13	8	75/100/150/200	7
K0739.3208016X	C	stainless steel	80	M16	25	110	35	13	8	75/100/125/150/175	10
K0739.3208020X	C	stainless steel	80	M20	25	113	38	17	10	75/200	10
K0739.3210020X	C	stainless steel	100	M20	30	193	43	17	10	150	15
K0739.3212020X	C	stainless steel	120	M20	32	143	43	17	10	100/150/200	30
K0739.3212024X	C	stainless steel	120	M24	32	145	45	20	10	100/150/200	30
K0739.3212030X	C	stainless steel	120	M30	32	147	47	26	10	100/150/200	30

KIPP Form D with hexagon socket and fastening tab

Order No.	Form	Main material	A	D	D1	H	H1	H2	SW	SW1	L	Load rating max. kN (static load only)
K0739.4106010X	D	steel	45	60	M10	22	82	32	14	5	50	7
K0739.4106012X	D	steel	45	60	M12	22	82	32	14	6	50/100	7
K0739.4106016X	D	steel	45	60	M16	22	108	33	16	8	75/100/150/200	7
K0739.4206010X	D	stainless steel	45	60	M10	22	82	32	14	5	50	7
K0739.4206012X	D	stainless steel	45	60	M12	22	82	32	14	6	50/100	7
K0739.4206016X	D	stainless steel	45	60	M16	22	108	33	13	8	75/100/150/200	7

Levelling feet

stainless steel for sterile areas



Material:
Foot plate and threaded spindle stainless steel 1.4301.
Base and seal rubber (EPDM).

Version:
Foot plate, polished.
Threaded spindle, bright.
Rubber base black.
Rubber seal black.

Sample order:
K0741.08016X143

Note:
The levelling foot has an adjustment sleeve which covers the part of the thread. An O-ring is inserted inside the sleeve to prevent dirt from entering.

EPDM complies with the guidelines specified in the USDA documentation for rubber products.

The stainless steel levelling feet for sterile areas received the Equipment Acceptance Certificate of the USDA (US-Department of Agriculture).

The load values specified in the table are based on a test series in which a static load was applied perpendicular to the plates through the centre of the spindle. Radially acting forces such as those produced by vibrations or other shaking effects, affect the load rating and are not taken into account for the specified values.

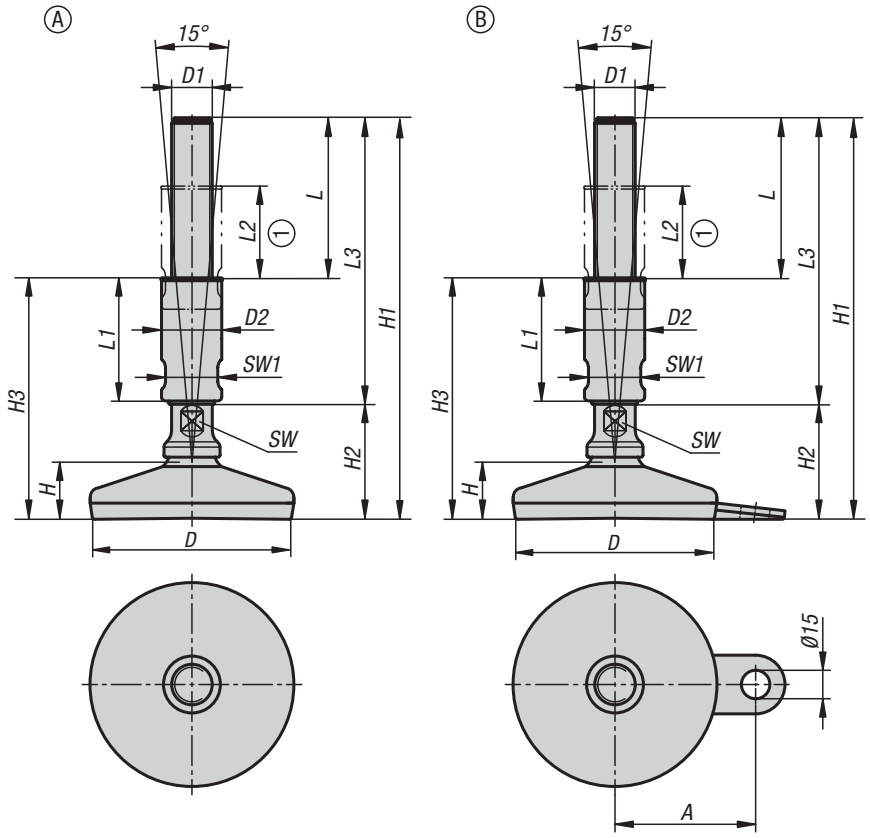
Drawing reference:
1) Adjustment range

KIPP Levelling feet stainless steel for sterile areas

Order No.	D	D1	D2	H	H1	H2	H3	L	L1	L3	SW	SW1	Load rating max. kN (static load only)
K0741.08016X143	80	M16	24	25	188	38	123	65	85	150	17	20	10
K0741.08020X143	80	M20	30	25	188	38	123	65	85	150	17	26	10
K0741.10016X144	100	M16	24	30	193	43	128	65	85	150	17	20	15
K0741.10020X144	100	M20	30	30	193	43	128	65	85	150	17	26	15
K0741.10024X144	100	M24	35	30	194	44	129	65	85	150	20	30	15
K0741.12016X144	120	M16	24	32	195	45	130	65	85	150	17	20	30
K0741.12020X144	120	M20	30	32	195	45	130	65	85	150	17	26	30
K0741.12024X144	120	M24	35	32	196	46	131	65	85	150	20	30	30
K0741.15016X150	150	M16	24	35	198	48	133	65	85	150	17	20	30
K0741.15020X150	150	M20	30	35	198	48	133	65	85	150	17	26	30
K0741.15024X150	150	M24	35	35	199	49	134	65	85	150	20	30	40

Levelling feet in Hygienic DESIGN

by MARTIN
Levelling Components



Material:
Foot plate and threaded spindle stainless steel 1.4301.
Rubber base (NBR) Shore 85 +/-5, FDA tested.
Rubber seal, silicone, FDA tested.

Version:
Foot plate, high-gloss polished.
Threaded spindle, bright.
Rubber base, black.
Rubber seal, blue.

Sample order:
K1303.108016X140
(include length L3)

Note:
Certified according to 3-A Sanitary Standard 88-00.

The high surface quality, the double sealing of the thread and the special seal on the machine foot's spindle joint prevent dirt from sticking and reduce cleaning times to a minimum.

The machine foot is supplied with the 3-A logo.

Application:
The machine foot is particularly suitable for machines, plants and appliances in the foodstuff industry, breweries, dairies, beverage and pharmaceutical industries.

Accessories:
Hygienic USIT® sealing and shim washer K1491.
Hexagon cap nut with collar K1493.

Drawing reference:
1) Adjustment range

Levelling feet in Hygienic DESIGN

KIPP Form A

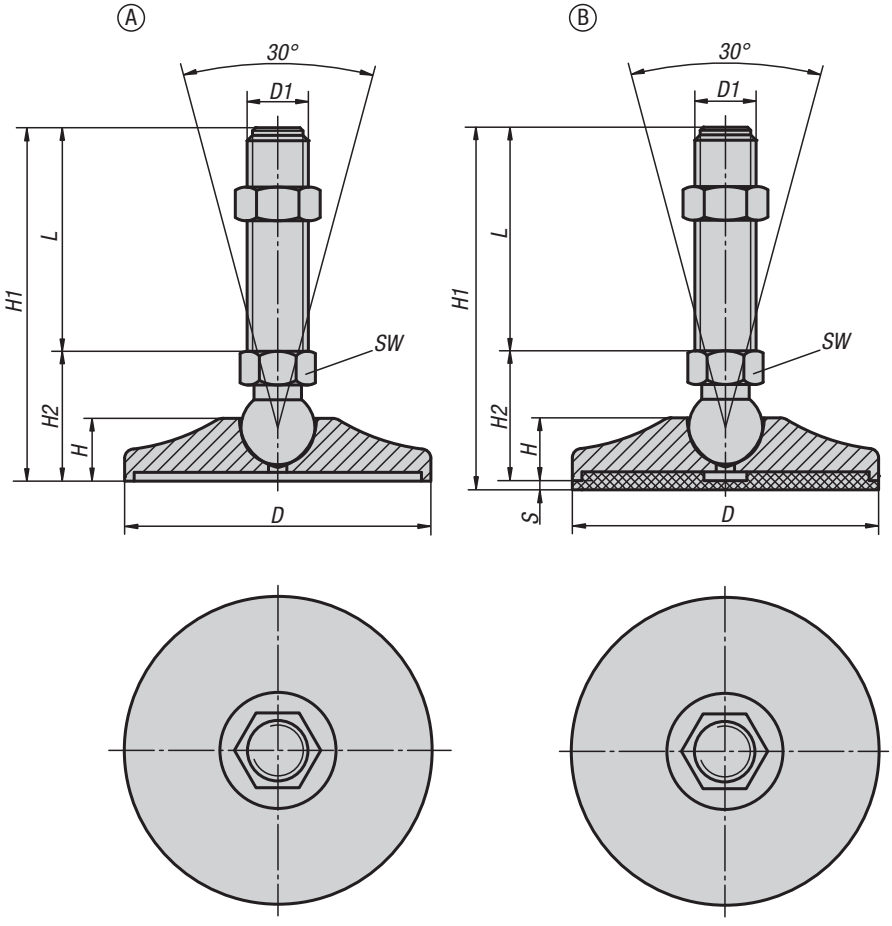
Order No.	Form	D	D1	D2	H	H1	H2	H3	L	L1	L2	L3	SW	SW1	Load rating max. kN (static load only)
K1303.108016X	A	80	M16	24	25	193/243	53	114/139	79/104	60/85	45/70	140/190	13	20	20
K1303.108020X	A	80	M20	30	25	193/243	53	114/139	79/104	60/85	45/70	140/190	17	26	20
K1303.108024X	A	80	M24	35	25	193/243	53	114/139	79/104	60/85	45/70	140/190	20	30	20
K1303.110016X	A	100	M16	24	28	196/246	56	117/142	79/104	60/85	45/70	140/190	13	20	25
K1303.110020X	A	100	M20	30	28	196/246	56	117/142	79/104	60/85	45/70	140/190	17	26	25
K1303.110024X	A	100	M24	35	28	196/246	56	117/142	79/104	60/85	45/70	140/190	20	30	25
K1303.112016X	A	120	M16	24	32	200/250	60	121/146	79/104	60/85	45/70	140/190	13	20	30
K1303.112020X	A	120	M20	30	32	200/250	60	121/146	79/104	60/85	45/70	140/190	17	26	30
K1303.112024X	A	120	M24	35	32	200/250	60	121/146	79/104	60/85	45/70	140/190	20	30	30

KIPP Form B with fastening tab

Order No.	Form	A	D	D1	D2	H	H1	H2	H3	L	L1	L2	L3	SW	SW1	Load rating max. kN (static load only)
K1303.208016X140	B	54	80	M16	24	25	193	53	114	79	60	45	140	13	20	20
K1303.208016X190	B	54	80	M16	24	25	243	53	139	104	85	70	190	13	20	20
K1303.208020X140	B	54	80	M20	30	25	193	53	114	79	60	45	140	17	26	20
K1303.208020X190	B	54	80	M20	30	25	243	53	139	104	85	70	190	17	26	20
K1303.208024X140	B	54	80	M24	35	25	193	53	114	79	60	45	140	20	30	20
K1303.208024X190	B	54	80	M24	35	25	243	53	139	104	85	70	190	20	30	20
K1303.210016X140	B	69	100	M16	24	28	196	56	117	79	60	45	140	13	20	25
K1303.210016X190	B	69	100	M16	24	28	246	56	142	104	85	70	190	13	20	25
K1303.210020X140	B	69	100	M20	30	28	196	56	117	79	60	45	140	17	26	25
K1303.210020X190	B	69	100	M20	30	28	246	56	142	104	85	70	190	17	26	25
K1303.210024X140	B	69	100	M24	35	28	196	56	117	79	60	45	140	20	30	25
K1303.210024X190	B	69	100	M24	35	28	246	56	142	104	85	70	190	20	30	25

Swivel feet

steel



Material:
Foot plate and threaded spindle steel.
Anti-slip plate (NBR) 70 Shore.

Version:
Foot plate painted yellow.
Threaded spindle electro zinc-plated.
Anti-slip plate black.

Sample order:
K0742.005010X25
(include length L)

Note:
High load rated steel swivel feet with yellow painted plate, optional with an anti-slip plate. The anti-slip plate absorbs vibrations and prevents the swivel foot slipping.

The load values specified in the table are based on a test series, in which a static load was applied perpendicular to the plates through the centre of the spindle. Radially acting forces such as those produced by vibrations or other shaking effects, affect the load rating and are not taken into account for the specified values.

Supplied with matching nut.

Drawing reference:
Form A without anti-slip plate
Form B with anti-slip plate

Swivel feet

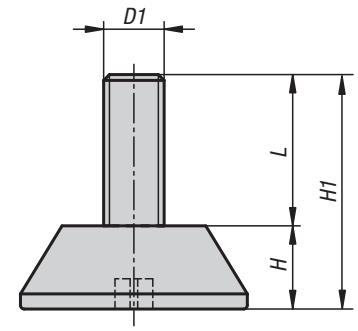
steel

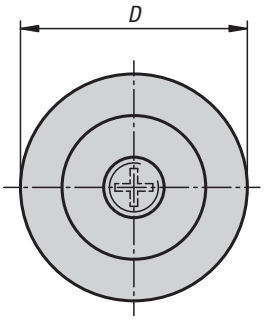
KIPP Swivel feet, steel

Order No. Form A	D	D1	H	H1	H2	SW	L	Load rating max. kN (static load only)
K0742.005010X	50	M10	16	53/78/103/128/153	28	14	25/50/75/100/125	15
K0742.005012X	50	M12	16	53/78/103/128/153	28	14	25/50/75/100/125	15
K0742.005014X	50	M14	16	53/78/103/128/153	28	14	25/50/75/100/125	15
K0742.006514X	65	M14	17	80/105/130/155/180	30	14	50/75/100/125/150	20
K0742.006516X	65	M16	17	80/105/130/155/180/205	30	16	50/75/100/125/150/175	20
K0742.008016X	80	M16	19,5	83/108/133/158/183/208/233	33	16	50/75/100/125/150/175/200	30
K0742.008020X	80	M20	19,5	111/136/161/186/211/236	36	17	75/100/125/150/175/200	30
K0742.010016X	100	M16	20	93/118/143/168/193/218/243	43	20	50/75/100/125/150/175/200	35
K0742.010020X	100	M20	20	118/143/168/193/218/243	43	20	75/100/125/150/175/200	45
K0742.010024X	100	M24	20	119/144/169/194/219/244	44	20	75/100/125/150/175/200	55

Order No. Form B	D	D1	H	H1	H2	S	SW	L	Load rating max. kN (static load only)
K0742.105010X	50	M10	16	56/81/106/131/156	28	3	14	25/50/75/100/125	15
K0742.105012X	50	M12	16	56/81/106/131/156	28	3	14	25/50/75/100/125	15
K0742.105014X	50	M14	16	56/81/106/131/156	28	3	14	25/50/75/100/125	15
K0742.106514X	65	M14	17	83/108/133/158/183	30	3	14	50/75/100/125/150	20
K0742.106516X	65	M16	17	83/108/133/158/183/208	30	3	16	50/75/100/125/150/175	20
K0742.108016X	80	M16	19,5	86/111/136/161/186/211/236	33	3	16	50/75/100/125/150/175/200	30
K0742.108020X	80	M20	19,5	114/139/164/189/214/239	36	3	17	75/100/125/150/175/200	30
K0742.110016X	100	M16	20	96/121/146/171/196/221/246	43	3	20	50/75/100/125/150/175/200	35
K0742.110020X	100	M20	20	121/146/171/196/221/246	43	3	20	75/100/125/150/175/200	45
K0742.110024X	100	M24	20	122/147/172/197/222/247	44	3	20	75/100/125/150/175/200	55

Levelling feet round





Material:
Polyamide.
Screw, steel.

Version:
Black.
Screw electro zinc-plated.

Sample order:
K0674.3006X020
(include length L)

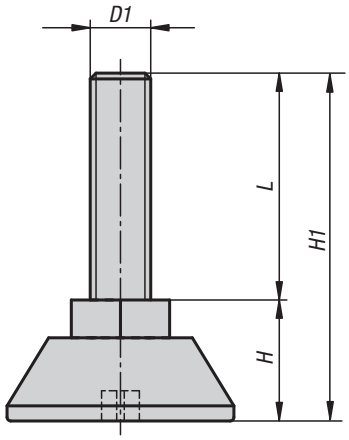
Note:
Levelling feet with cross slot in the base as assembly aid.
Rigid version.

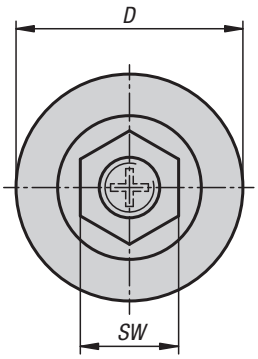
KIPP Levelling feet round

Order No.	D	D1	H	H1	L	Load rating max. kN (static load only)
K0674.3006X	30	M6	11	31/41	20/30	3
K0674.3008X	30	M8	11	27/31/36/41/51	16/20/25/30/40	3
K0674.3010X	30	M10	11	36/41/46	25/30/35	3
K0674.4708X	47	M8	11	27/31/41/51	16/20/30/40	4
K0674.4710X	47	M10	11	31/41/66	20/30/55	4

Levelling feet round

with hex. collar





Material:
Polyamide.
Screw, steel.

Version:
Black.
Screw electro zinc-plated.

Sample order:
K0675.3006X020
(include length L)

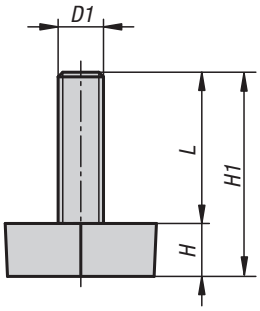
Note:
Levelling feet with hexagonal collar and cross slot in the base as assembly aid. Rigid version.

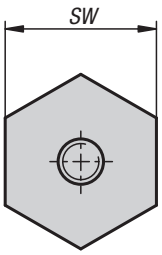
KIPP Levelling feet round with hex. collar

Order No.	D	D1	H	H1	SW	L	Load rating max. kN (static load only)
K0675.3006X	30	M6	16	36/46	13	20/30	3
K0675.3008X	30	M8	16	31/36/41/46/56	13	15/20/25/30/40	3
K0675.4708X	47	M8	16	31/36/46/56	13	15/20/30/40	4
K0675.4710X	47	M10	16	36/46	17	20/30	4

Levelling feet

with hex. base





Material:
Polyethylene.
Screw, steel.

Version:
Black.
Screw electro zinc-plated.

Sample order:
K0676.2006X020
(include length L)

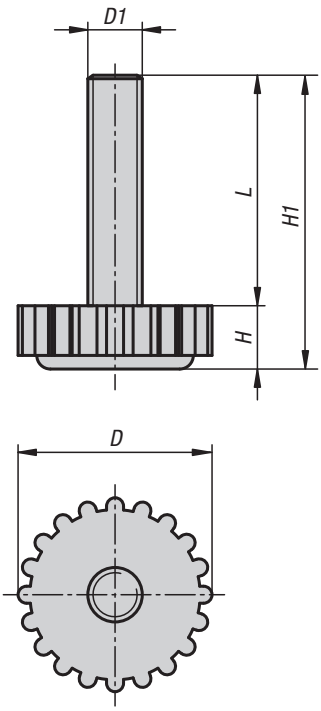
Note:
Levelling feet with hexagonal base.
Rigid version.

KIPP Levelling feet with hex. base

Order No.	D1	H	H1	SW	L	Load rating max. kN (static load only)
K0676.2006X	M6	7	27/37/47/57	20	20/30/40/50	1,5
K0676.2008X	M8	7	27/37/47/57	20	20/30/40/50	3
K0676.2506X	M6	7,5	27,5/37,5/47,5/57,5	25	20/30/40/50	1,5
K0676.2508X	M8	7,5	27,5/37,5/47,5/57,5	25	20/30/40/50	3
K0676.2510X	M10	7,5	27,5/37,5	25	20/30	4
K0676.3008X	M8	8	28/38/48/58	30	20/30/40/50	3
K0676.3010X	M10	8	28/38	30	20/30	3

Levelling feet

with knurled base



Material:
Polyamide.
Screw, steel.

Version:
Black.
Screw electro zinc-plated.

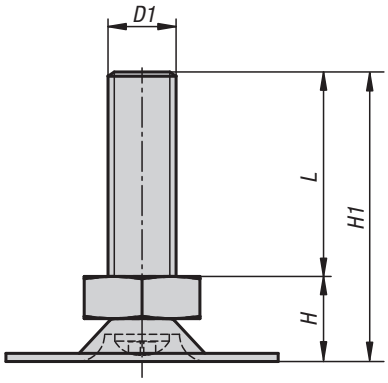
Sample order:
K0677.2805X016
(include length L)

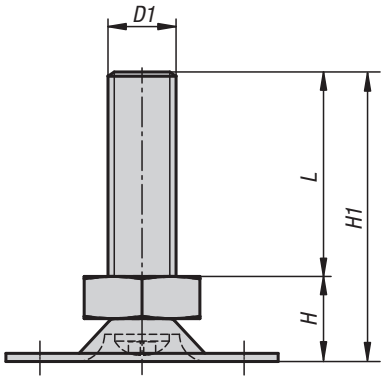
Note:
Levelling feet with knurled base.
Rigid version.

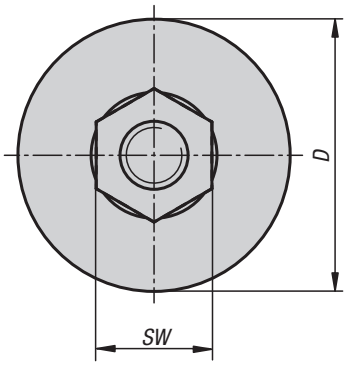
KIPP Levelling feet with knurled base

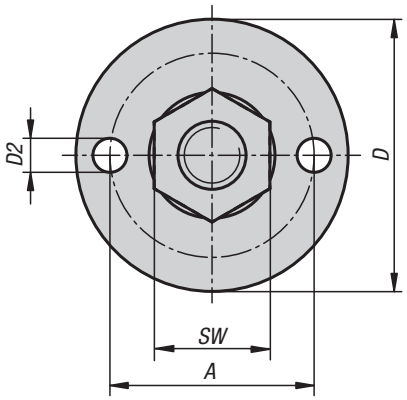
Order No.	D	D1	H	H1	L	Load rating max. kN (static load only)
K0677.2805X	28,5	M5	9,3	25,3/29,3/34,3/49,3	16/20/25/40	2
K0677.2806X	28,5	M6	9,3	25,3/29,3/39,3/49,3/59,3	16/20/30/40/50	3,5
K0677.2808X	28,5	M8	9,3	25,3/29,3/39,3/49,3/59,3/69,3/89,3	16/20/30/40/50/60/80	4,5

Levelling feet









Material:
Foot plate and threaded spindle in steel.

Version:
Foot plate and threaded spindle electro zinc-plated.

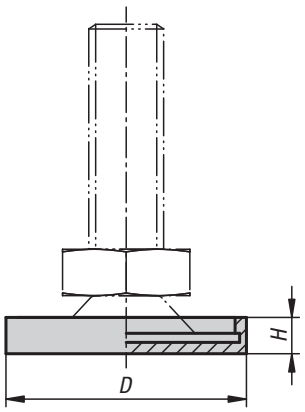
Sample order:
K0678.03008X016
(include length L)

Note:
The threaded spindle is pressed into the rotatable base.

KIPP Levelling feet

Order No. without hole	Order No. with hole	A	D	D1	D2	H	H1	SW	L	Load rating max. kN (static load only)
K0678.03008X	**K0678.13008X**	-/24,3	30	M8	-/4	11	27/31/41/51/61	13	16/20/30/40/50	2,5
K0678.03010X	**K0678.13010X**	-/24,3	30	M10	-/4	12,5	28,5/32,5/42,5/52,5/62,5/72,5	17	16/20/30/40/50/60	3,5
K0678.04008X	**K0678.14008X**	-/30	40	M8	-/5	11	27/31/41/51/61	13	16/20/30/40/50	2,5
K0678.04010X	**K0678.14010X**	-/30	40	M10	-/5	11	27/31/41/51/61/71	17	16/20/30/40/50/60	3,5
K0678.05008X	**K0678.15008X**	-/35	50	M8	-/5,5	12,5	28,5/32,5/42,5/52,5/62,5	13	16/20/30/40/50	2,5
K0678.05010X	**K0678.15010X**	-/35	50	M10	-/5,5	14	30/34/44/54/64/74	17	16/20/30/40/50/60	3,5
K0678.06008X	**K0678.16008X**	-/46	60	M8	-/5,5	13,5	29,5/33,5/43,5/53,5/63,5	13	16/20/30/40/50	2,5
K0678.06010X	**K0678.16010X**	-/46	60	M10	-/5,5	15	31/35/45/55/65/75	17	16/20/30/40/50/60	3,5

Levelling feet caps



Material:
Polyethylene

Version:
black.

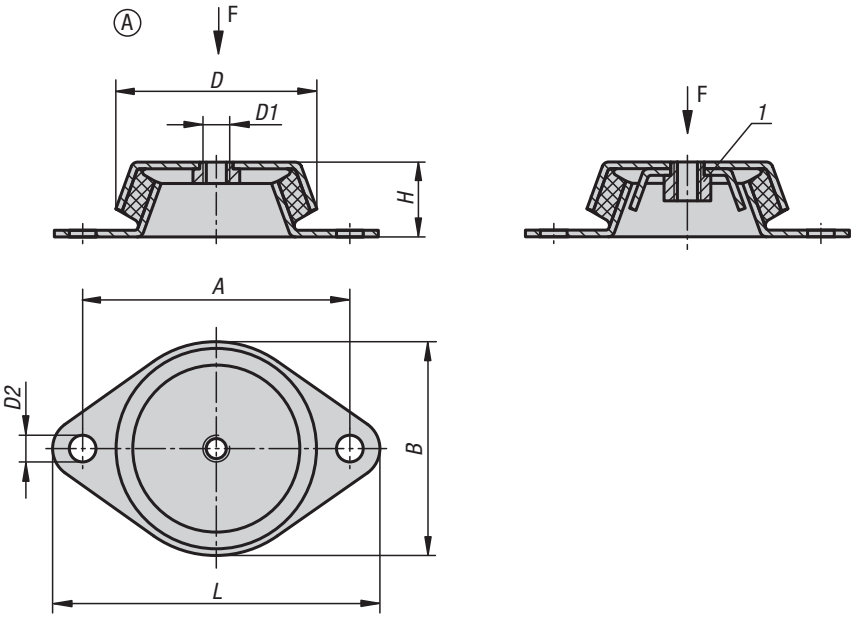
Sample order:
K0679.1030

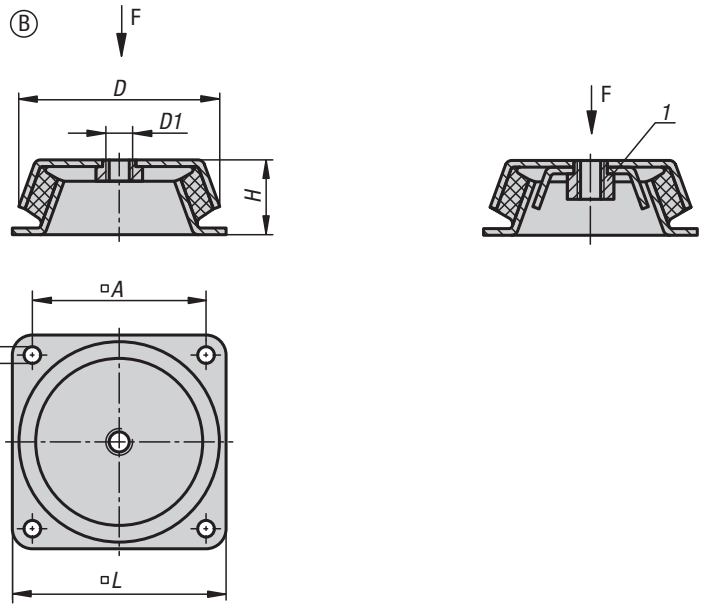
Note:
The caps protect the surface against scratch marks.

KIPP Levelling feet caps

Order No.	for foot plate Ø	D	H
K0679.1030	30	31,8	4,8
K0679.1060	60	62	6,8

Machine feet





Material:
Metal parts, steel grade 5.6.
Elastomer, natural rubber,
medium hardness, Shore 60.

Version:
Steel electro zinc-plated.

Sample order:
K0687.062060

Note:
These machine feet have proven themselves to be universally applicable elements for the elastic support of all types of machine. They are commonly used wherever large horizontal movements are to be avoided. The horizontal rigidity is higher in all directions than the vertical rigidity. If used correctly they are excellent at preventing the transfer of vibration and noise.

Machine feet with shear protection are available for situations where tensile forces are to be expected.

The indicated load data are reference values for static loads by rubber hardness of Shore 60A.

In contrast to those in the drawing, the holes D2 can also be elongated holes.

On request:
Rubber hardness Shore 40 or 70 A.

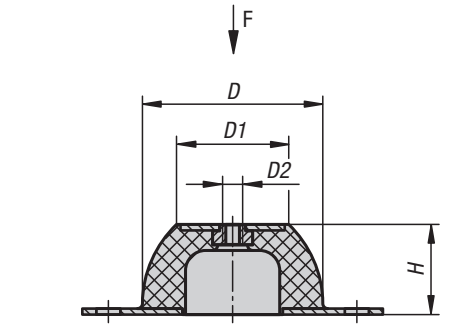
Drawing reference:
1) With shear protection

KIPP Machine feet

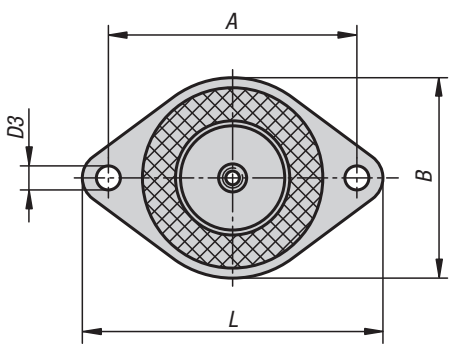
Order No. without shear protection	Order No. with shear protection	Form	A	B	D	D1	D2	H	L	Load rating max. kN
K0687.062060	**K0687.062160**	A	85	66	62	M10	8,2	30	110	1,5
K0687.078060	**K0687.078160**	A	110	78	78	M10	9	30	128	1,8
K0687.092060	**K0687.092160**	A	110	96	86	M12	10,2	45	140	3
K0687.106060	**K0687.106160**	A	140	110	106	M12	12,4	39	170	3,6
K0687.150060	**K0687.150160**	B	132	-	150	M16	12,5	51	168	8

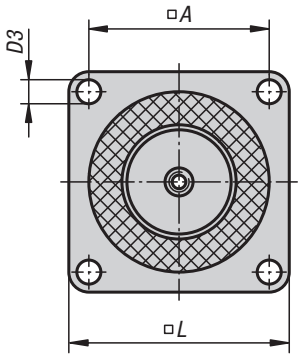
Cup elements

type H2



K0686.13006360
K0686.18008560





Material:
Metal parts, steel, grade 5.6.
Natural rubber, hardness Shore 40 or 60 A.

Version:
Steel electro zinc-plated.

Sample order:
K0686.03502040

Note:
The cup elements are highly elastic both in radial and in axial direction and therefore offer an outstanding impact isolation.
The special shaping of the cup elements allows isolation of sound and vibrations of machines and assemblies with a low natural frequency. They are especially suitable for supporting sensitive instruments and small devices.

The elements must not be subjected to tensile stress.

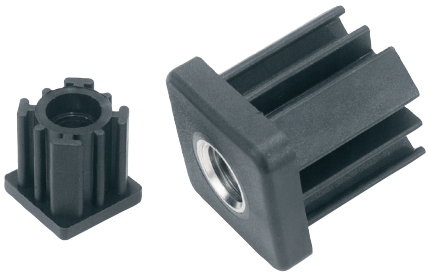
Temperature range:
-30°C to +80°C.

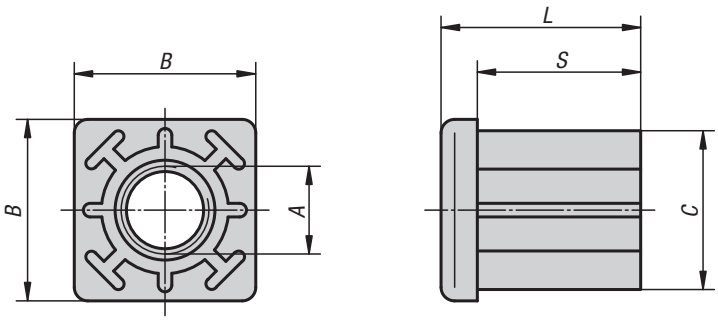
KIPP Cup elements type H2

Order No.	Version	A	B	D	D1	D2	D3	H	L	Load rating max. kN
K0686.03502040	Shore 40A	50	43	35	18	M6	7	20	64	0,034
K0686.05002540	Shore 40A	66	56	50	33	M8	8	25	85	0,2
K0686.07003540	Shore 40A	92	76	70	45	M10	10	35	114	0,39
K0686.08504040	Shore 40A	110	96	85	53	M10	11,5	40	136	0,68
K0686.09004540	Shore 40A	124	101	90	58	M10	11,5	45	151	1,28
K0686.13006340	Shore 40A	120	-	130	78	M12	14,5	63	150	2,7
K0686.18008540	Shore 40A	160	-	180	100	M16	14,5	85	200	3,7
K0686.03502060	Shore 60A	50	43	35	18	M6	7	20	64	0,09
K0686.05002560	Shore 60A	66	56	50	33	M8	8	25	85	0,49
K0686.07003560	Shore 60A	92	76	70	45	M10	10	35	114	0,78
K0686.08504060	Shore 60A	110	96	85	53	M10	11,5	40	136	1,45
K0686.09004560	Shore 60A	124	101	90	58	M10	11,5	45	151	2,15
K0686.13006360	Shore 60A	120	-	130	78	M12	14,5	63	150	4,9
K0686.18008560	Shore 60A	160	-	180	100	M16	14,5	85	200	7,35

Tube inserts square

with tapped bush





Material:
Body fibreglass reinforced thermoplastic.
Threaded insert brass.

Version:
Insert black.
Tapped bush nickel-plated.

Sample order:
K0430.103015

Note:
Threaded square inserts for attaching levelling feet, swivel feet and castors to square tubes.

KIPP Tube inserts square with tapped bush

Order No.	A	B	C	L	S	Suitable for square tubes	Load rating max. kN
K0430.103015	M10	30	27,5	33	27	30 x 1,5	5
K0430.123015	M12	30	27,5	33	27	30 x 1,5	5
K0430.143015	M14	30	27,5	33	27	30 x 1,5	5
K0430.163015	M16	30	27,5	33	27	30 x 1,5	5
K0430.103020	M10	30	26,5	33	27	30 x 2	5
K0430.123020	M12	30	26,5	33	27	30 x 2	5
K0430.143020	M14	30	26,5	33	27	30 x 2	5
K0430.163020	M16	30	26,5	33	27	30 x 2	5
K0430.104015	M10	40	37,5	43	35	40 x 1,5	8
K0430.124015	M12	40	37,5	43	35	40 x 1,5	8
K0430.144015	M14	40	37,5	43	35	40 x 1,5	8
K0430.164015	M16	40	37,5	43	35	40 x 1,5	8
K0430.204015	M20	40	37,5	43	35	40 x 1,5	8
K0430.104020	M10	40	36,5	43	35	40 x 2	10
K0430.124020	M12	40	36,5	43	35	40 x 2	10
K0430.144020	M14	40	36,5	43	35	40 x 2	10
K0430.164020	M16	40	36,5	43	35	40 x 2	10
K0430.204020	M20	40	36,5	43	35	40 x 2	10
K0430.104025	M10	40	35,5	43	35	40 x 2,5	10
K0430.124025	M12	40	35,5	43	35	40 x 2,5	10
K0430.144025	M14	40	35,5	43	35	40 x 2,5	10
K0430.164025	M16	40	35,5	43	35	40 x 2,5	10
K0430.204025	M20	40	35,5	43	35	40 x 2,5	10
K0430.104030	M10	40	34,5	43	35	40 x 3	10
K0430.124030	M12	40	34,5	43	35	40 x 3	10
K0430.144030	M14	40	34,5	43	35	40 x 3	10
K0430.164030	M16	40	34,5	43	35	40 x 3	10
K0430.204030	M20	40	34,5	43	35	40 x 3	10

Tube inserts square

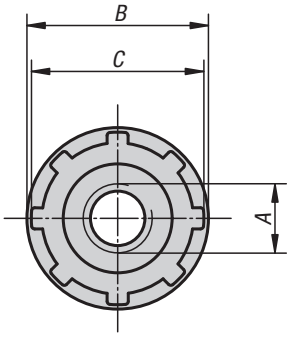
with tapped bush

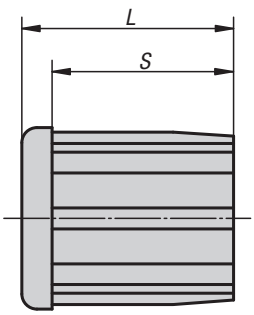
KIPP Tube inserts square with tapped bush

Order No.	A	B	C	L	S	Suitable for square tubes	Load rating max. kN
K0430.104040	M10	40	32,5	43	35	40 x 4	10
K0430.124040	M12	40	32,5	43	35	40 x 4	10
K0430.144040	M14	40	32,5	43	35	40 x 4	10
K0430.164040	M16	40	32,5	43	35	40 x 4	10
K0430.204040	M20	40	32,5	43	35	40 x 4	10
K0430.125015	M12	50	47,5	55	44	50 x 1,5	8
K0430.145015	M14	50	47,5	55	44	50 x 1,5	8
K0430.165015	M16	50	47,5	55	44	50 x 1,5	8
K0430.205015	M20	50	47,5	55	44	50 x 1,5	8
K0430.125020	M12	50	46,5	55	44	50 x 2	12
K0430.145020	M14	50	46,5	55	44	50 x 2	12
K0430.165020	M16	50	46,5	55	44	50 x 2	12
K0430.205020	M20	50	46,5	55	44	50 x 2	12
K0430.125025	M12	50	45,5	55	44	50 x 2,5	12
K0430.145025	M14	50	45,5	55	44	50 x 2,5	12
K0430.165025	M16	50	45,5	55	44	50 x 2,5	12
K0430.205025	M20	50	45,5	55	44	50 x 2,5	12
K0430.125030	M12	50	44,5	55	44	50 x 3	12
K0430.145030	M14	50	44,5	55	44	50 x 3	12
K0430.165030	M16	50	44,5	55	44	50 x 3	12
K0430.205030	M20	50	44,5	55	44	50 x 3	12
K0430.125040	M12	50	42,5	55	44	50 x 4	12
K0430.145040	M14	50	42,5	55	44	50 x 4	12
K0430.165040	M16	50	42,5	55	44	50 x 4	12
K0430.205040	M20	50	42,5	55	44	50 x 4	12
K0430.146020	M14	60	56,5	55	45	60 x 2	12
K0430.166020	M16	60	56,5	55	45	60 x 2	12
K0430.206020	M20	60	56,5	55	45	60 x 2	12
K0430.146030	M14	60	54,5	55	45	60 x 3	12
K0430.166030	M16	60	54,5	55	45	60 x 3	12
K0430.206030	M20	60	54,5	55	45	60 x 3	12
K0430.146040	M14	60	52,5	55	45	60 x 4	12
K0430.166040	M16	60	52,5	55	45	60 x 4	12
K0430.206040	M20	60	52,5	55	45	60 x 4	12

Tube inserts round

with tapped bush





Material:
Body fibreglass reinforced thermoplastic.
Threaded insert brass.

Version:
Insert black.
Tapped bush nickel-plated.

Sample order:
K0431.103010

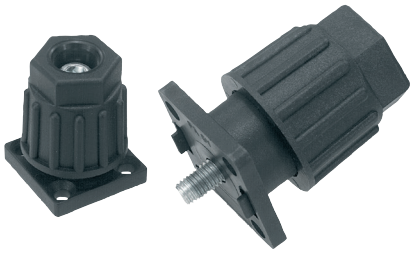
Note:
Threaded square inserts for attaching levelling feet, swivel feet and castors to round tubes.

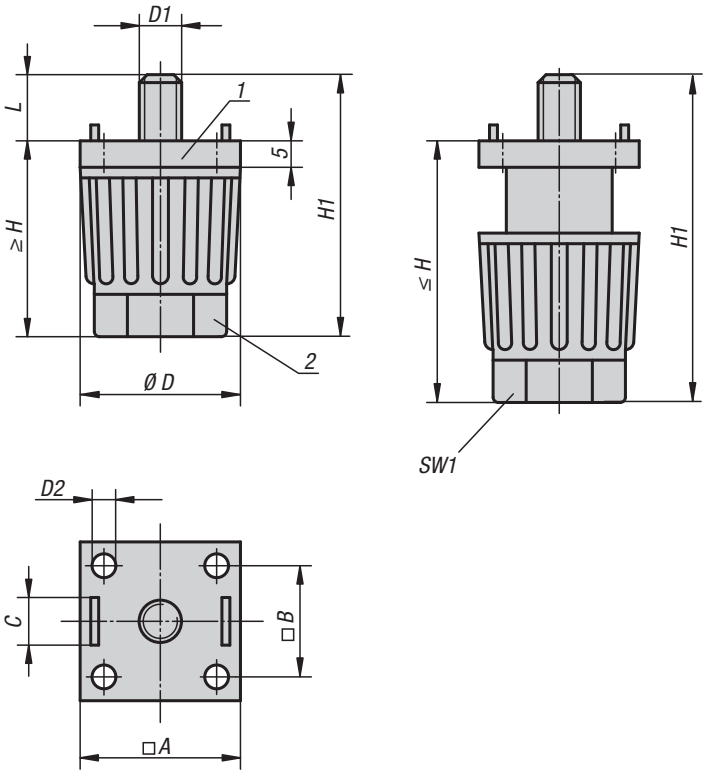
KIPP Tube inserts round with tapped bush

Order No.	A	B	C	L	S	Suitable for tubes	Load rating max. kN
K0431.103010	M10	30	28,4	33	27	Ø 30 x 1	5
K0431.123010	M12	30	28,4	33	27	Ø 30 x 1	5
K0431.143010	M14	30	28,4	33	27	Ø 30 x 1	5
K0431.163010	M16	30	28,4	33	27	Ø 30 x 1	5
K0431.103815	M10	38	35,5	43	35	Ø 38 x 1,5	5
K0431.123815	M12	38	35,5	43	35	Ø 38 x 1,5	5
K0431.163815	M16	38	35,5	43	35	Ø 38 x 1,5	5
K0431.104215	M10	42	39,9	43	35	Ø 42,4 x 1,5	6
K0431.124215	M12	42	39,9	43	35	Ø 42,4 x 1,5	6
K0431.144215	M14	42	39,9	43	35	Ø 42,4 x 1,5	6
K0431.164215	M16	42	39,9	43	35	Ø 42,4 x 1,5	6
K0431.204215	M20	42	39,9	43	35	Ø 42,4 x 1,5	6
K0431.124815	M12	48	45,8	55	44	Ø 48,3 x 1,5	6
K0431.144815	M14	48	45,8	55	44	Ø 48,3 x 1,5	6
K0431.164815	M16	48	45,8	55	44	Ø 48,3 x 1,5	6
K0431.204815	M20	48	45,8	55	44	Ø 48,3 x 1,5	6
K0431.125015	M12	50	48,4	55	44	Ø 50,9 x 1,5	6
K0431.145015	M14	50	48,4	55	44	Ø 50,9 x 1,5	6
K0431.165015	M16	50	48,4	55	44	Ø 50,9 x 1,5	6
K0431.205015	M20	50	48,4	55	44	Ø 50,9 x 1,5	6

Levelling feet

for aluminium profiles





Material:
Body fibreglass reinforced thermoplastic.
Spindle and washer steel.

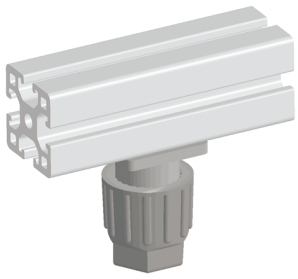
Version:
Body black.
Spindle and washer electro zinc-plated.

Sample order:
K0432.300806

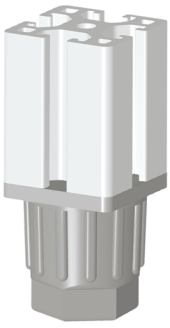
Note:
These levelling feet are suitable for tables and lighter installations. The foot height is adjusted by turning the base nut by hand or spanner. The pins on the top flange centre the foot and prevent it turning. These levelling feet can be attached to aluminium profiles using T-slot nuts, no need for drilling.

Drawing reference:
1) support flange
2) nut

Side mounted in profile keyway
no drilling required when using a T-slot nut



Profile end mounted

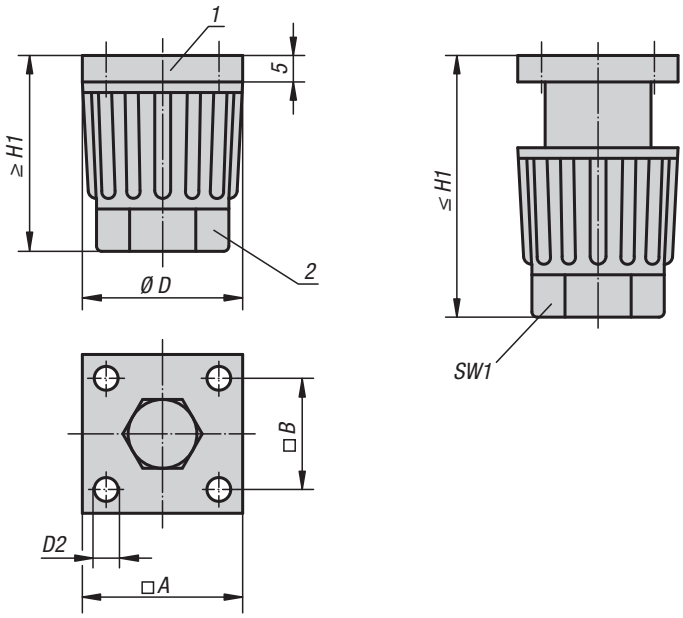


KIPP Levelling feet for aluminium profiles

Order No.	A for aluminium profile	B	C for slot	D	D1	D2 for countersunk screw	H	H1	L	SW1	Load rating max. kN (static load only)
K0432.300806	30	20,5	8	30	M6	M4	35-50	44-59	9	22	1,5
K0432.300808	30	20,5	8	30	M8	M4	35-50	44-59	9	22	1,5
K0432.301006	30	20,5	10	30	M6	M4	35-50	44-59	9	22	1,5
K0432.400808	40	28	8	40	M8	M6	45-65	54-74	9	30	1,5
K0432.401006	40	28	10	40	M6	M6	45-65	54-74	9	30	1,5
K0432.401008	40	28	10	40	M8	M6	45-65	54-74	9	30	1,5

K0433

Levelling feet



Material:
Body fibreglass reinforced thermoplastic.
Hexagon head screw steel.

Version:
Body black.
Hexagon head screw electro zinc-plated.

Sample order:
K0433.3004

Note:
The flat top flange and sunken screw head make these levelling feet ideal for mounting on smooth surfaces. The foot height is adjusted by turning the base nut by hand or spanner.

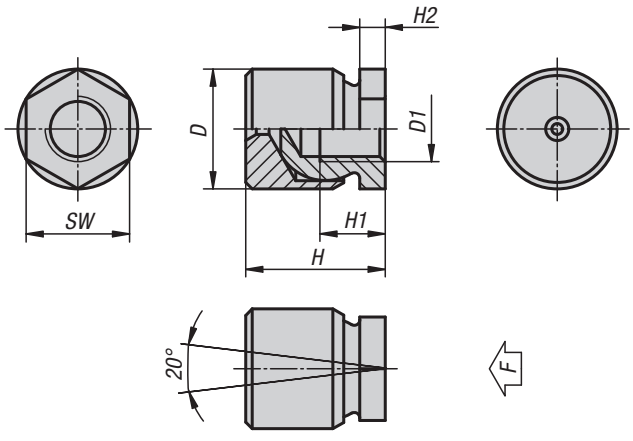
Drawing reference:
1) support flange
2) nut

KIPP Levelling feet

Order No.	A	B	D	D2 for countersunk screw	H1	SW1	Load rating max. kN (static load only)
K0433.3004	30	20,5	30	M4	35-50	22	1,5
K0433.4006	40	28	40	M6	45-65	30	1,5

K0304

Swivel thrust pads



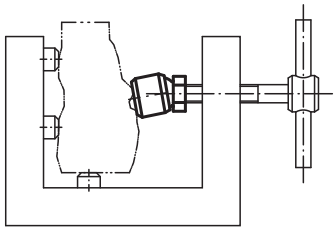
Material:
Ball element case-hardened steel.
Thrust pad ETG 100 steel.

Version:
Black oxidised.

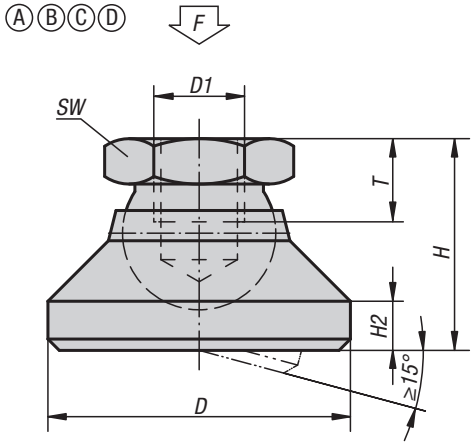
Sample order:
K0304.10

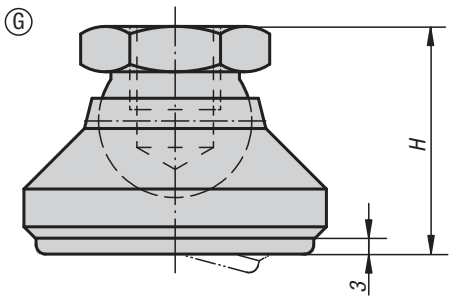
KIPP Swivel feet

Order No.	D	D1	H	H1	H2	SW	Load rating max. kN
K0304.05	13	M5	16,5	6,5	4	10	1,62
K0304.06	13	M6	16,5	8,5	4	10	2,33
K0304.08	16	M8	21	9	4	13	4,15
K0304.10	19	M10	23	10	4	17	6,48
K0304.12	22	M12	25,5	12	4,7	19	8,32
K0304.16	25	M16	29,5	14	5	24	13,94
K0304.20	32	M20	36	18	8,5	30	21



Swivel feet





Material:
Form A,G: Foot high carbon steel, ball element free-cutting steel.
Form B: All stainless steel
Form C: Foot POM, ball element free-cutting steel.
Form D: Foot POM, ball element stainless steel.

Anti-slip plate thermoplastic elastomer.

Version:
Form A: Ball element case-hardened and black oxidised.
Form B: Bright.
Form C: Ball element case-hardened and black oxidised.
Form D: Ball element bright.
Form G: Ball element case hardened and black oxidised, foot with anti-slip plate.

Sample order:
K0395.112

Note:
The anti-slip plate absorbs vibrations and prevents the swivel foot slipping
The loading indicated in the table is a recommendation up to which permanent static load the swivel foot can be used.

KIPP Swivel feet

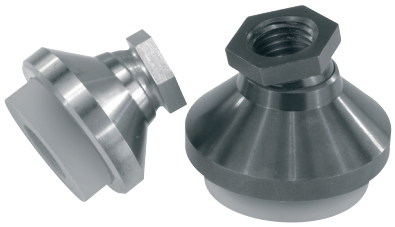
Order No. Form A	Order No. Form B	D	D1	H	H2	T	SW	Load rating max. kN
K0395.106	**K0395.306**	20	M6	15	2,5	8,5	10	10
K0395.108	**K0395.308**	25	M8	18	4	9	13	18
K0395.110	**K0395.310**	32	M10	22	5	10	17	20
K0395.112	**K0395.312**	40	M12	26	6	12	19	35
K0395.116	**K0395.316**	50	M16	32	7	14	24	45
K0395.120	**K0395.320**	60	M20	42	8	18	30	55

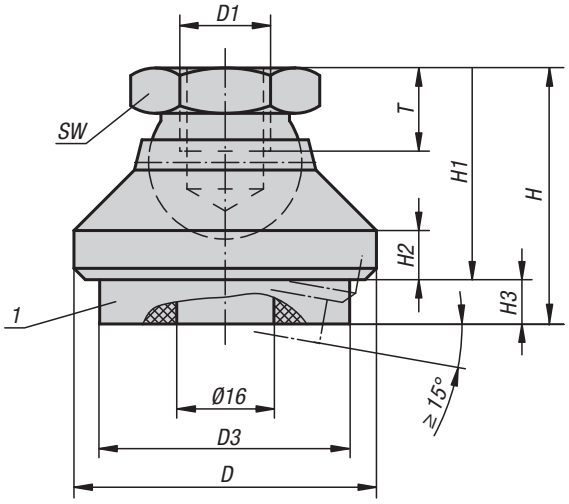
Order No. Form C	Order No. Form D	D	D1	H	H2	T	SW	Load rating max. kN
K0395.506	**K0395.206**	20	M6	15	2,5	8,5	10	4
K0395.508	**K0395.208**	25	M8	18	4	9	13	7
K0395.510	**K0395.210**	32	M10	22	5	10	17	10
K0395.512	**K0395.212**	40	M12	26	6	12	19	18
K0395.516	**K0395.216**	50	M16	32	7	14	24	20
K0395.520	**K0395.220**	60	M20	42	8	18	30	22

Order No. Form G	D	D1	H	H2	T	SW	Load rating max. kN (static load only)
K0395.410	32	M10	25	5	10	17	12
K0395.412	40	M12	29	6	12	19	17
K0395.416	50	M16	35	7	14	24	20
K0395.420	60	M20	45	8	18	30	24

Swivel feet

with vibration absorption





Material:
Steel version:
Foot high carbon steel.
Ball element free-cutting steel.
Stainless steel version:
Foot and ball element stainless steel.

Damper plate PUR elastomer (Sylomer V12).

Version:
Steel version:
Foot black oxidised.
Ball element case-hardened and black oxidised.
Stainless steel version:
Bright.

Anti-slip damper plate grey, glued in.
Temp. range -30 °C to +70 °C.

Sample order:
K0420.110

Note:
The load rating given in the table is a recommendation of the permanent static load to which the damping element should be used.
This static load corresponds to a surface pressure of 0.4 N/mm² at which the material achieves its optimum absorption properties. It is taken into account that under dynamic loading an additional load of up to 0.6 N/mm² may occur.
The damper plate absorbs vibrations and prevents the swivel foot slipping.

For swivel feet without vibration absorption see article No. K0395.

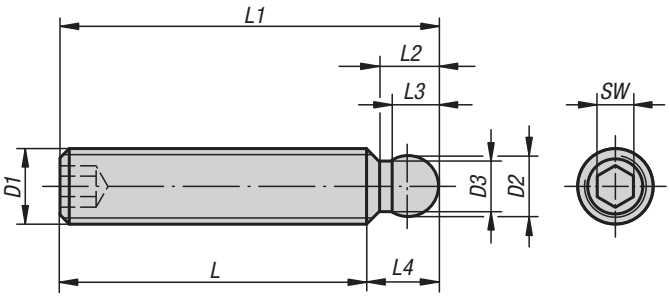
Drawing reference:
1) damper plate

KIPP Swivel feet with vibration absorption

Order No.	Main material	D	D1	D3	H	H1	H2	H3 by 0 / 0.4 / 0.6 N/mm²	T	SW	Load rating max. kN
K0420.110	steel	32	M10	30,5	30	22	5	8 / 6,8 / 5,9	10	17	0,212
K0420.112	steel	40	M12	30,5	34	26	6	8 / 6,8 / 5,9	12	19	0,212
K0420.116	steel	50	M16	40,5	40	32	7	8 / 6,8 / 5,9	14	24	0,435
K0420.120	steel	60	M20	50	50	42	8	8 / 6,8 / 5,9	18	30	0,705
K0420.310	stainless steel	32	M10	30,5	30	22	5	8 / 6,8 / 5,9	10	17	0,212
K0420.312	stainless steel	40	M12	30,5	34	26	6	8 / 6,8 / 5,9	12	19	0,212
K0420.316	stainless steel	50	M16	40,5	40	32	7	8 / 6,8 / 5,9	14	24	0,435
K0420.320	stainless steel	60	M20	50	50	42	8	8 / 6,8 / 5,9	18	30	0,705

Grub screws

with ball thrust point

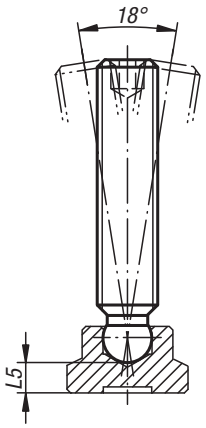


Material:
Steel grade 5.8.

Version:
Black oxidised.

Sample order:
K0391.06X50 (include length L1.)

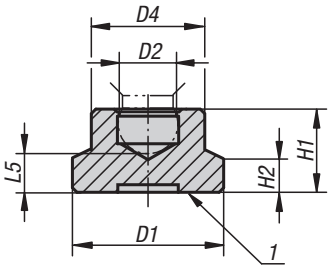
Note:
The grub screws are used in conjunction with a thrust pad K0393.



KIPP Grub screws with ball thrust point

Order No.	D1	L1	D2	D3	L	L2	L3	L4	L5	SW
K0391.06X	M6	30/35/40/50	4,5	3,5	24,5	4,3	3,7	5,5	3,8	3
K0391.08X	M8	35/40/45/50/60	6	4,8	27,6	5,8	4,8	7,4	4,4	4
K0391.10X	M10	50/55/60/65/80	8	6,5	41	7,2	6,3	9	5	5
K0391.12X	M12	60/65/70/80	8	6,5	50,2	7,2	6,3	9,8	6,9	6

Thrust pads



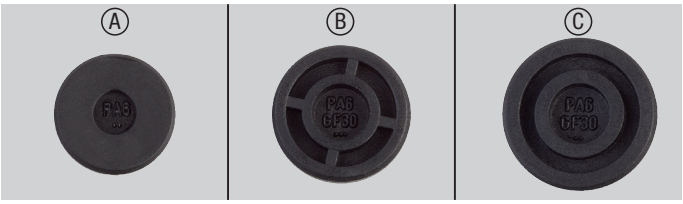
Material:
Steel.
PA 6 plastic.

Version:
Black oxidised.
Black plastic.

Sample order:
K0393.08

Note:
Suitable for grub screws with ballend pin.

Drawing reference:
1) thrust face

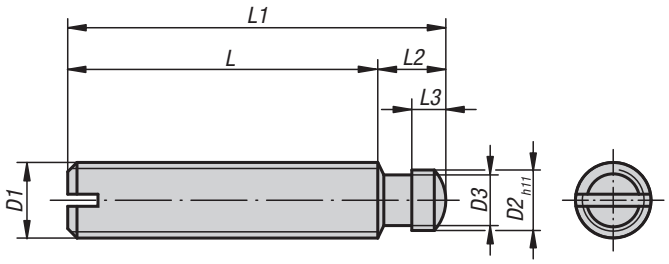


KIPP Thrust pads

Order No.	Form	Main material	D1	D2	D4	H1	H2	L5	Suitable for grub screws
K0393.06	A	steel	15	4,4	8,6	7,6	2,5	3,8	M6
K0393.08	A	steel	18	5,9	12	9	3,5	4,4	M8
K0393.10	A	steel	21	7,9	15	11	4	5	M10
K0393.12	A	steel	25	7,9	18	13	5	6,9	M12
K0393.206	A	polyamide	15	4,4	8,6	7,6	2,5	3,8	M6
K0393.208	B	polyamide	18	5,9	12	9	3,5	4,4	M8
K0393.210	C	polyamide	21	7,9	15	11	4	5	M10
K0393.212	C	polyamide	25	7,9	18	13	5	6,9	M12

Grub screws

with thrust point DIN 6332



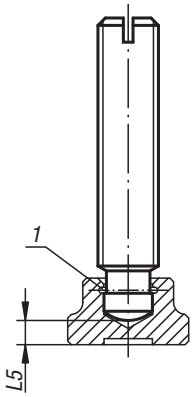
Material:
Steel or stainless steel.

Version:
Steel: thrust point case-hardened, black.
Stainless steel: bright.

Sample order:
K0390.12X60 (include length L1.)

Note:
The thrust journal of the grub screws per DIN 6332 is designed for direct clamping as well as for use in conjunction with a thrust pad K0392.

Drawing reference:
1) snap ring

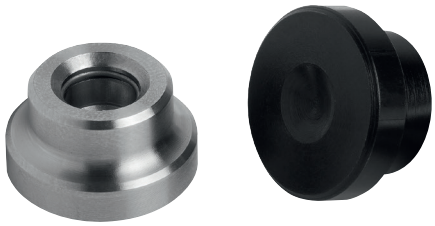


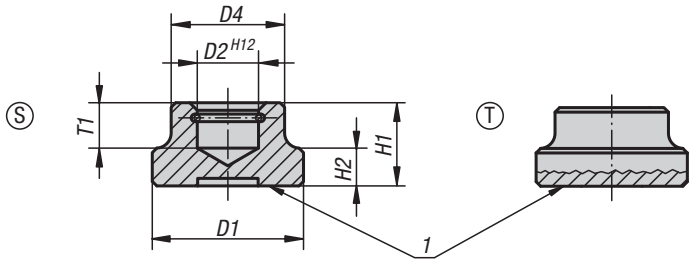
KIPP Grub screws with thrust point DIN 6332

Order No. steel	Order No. stainless steel	D1	L1	D2	D3	L	L2	L3	L5
K0390.06X	**K0390.061X**	M6	30/35/40/50	4,5	4	24	6	2,5	2,2
K0390.08X	**K0390.081X**	M8	35/40/45/50/60	6	5,4	27,5	7,5	3	3
K0390.10X	**K0390.101X**	M10	50/55/60/65/80	8	7,2	41	9	4,5	3,6
K0390.12X	**K0390.121X**	M12	60/65/70/80/100	8	7,2	50	10	4,5	4,5
K0390.14X	**K0390.141X**	M14	60/80/100	10	9	48	12	5	5
K0390.16X	**K0390.161X**	M16	65/70/80/100/125	12	11	53	12	5	5,3
K0390.20X	**K0390.201X**	M20	80/90/100/125/150	15,5	14,4	66	14	5,5	5,6

Thrust pads

DIN 6311 enhanced





Material:
Steel: case-hardened. Snap ring spring steel.
Stainless steel: bright. Snap ring stainless steel.

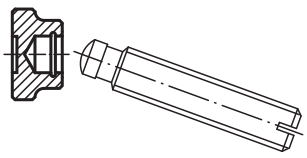
Version:
Steel black oxidised.
Stainless steel bright.

Sample order:
K0392.12

Note:
To press onto a thrust point, incline the point as far as possible over the snap ring opening and twist in. The snap ring is supplied assembled.

Drawing reference:
Form S: standard thrust pad
Form T: low version, large thrust face

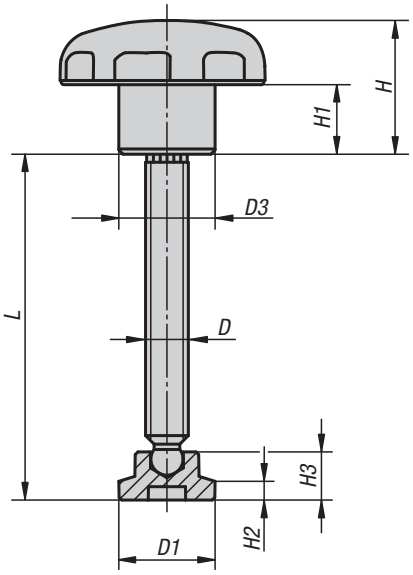
1) thrust face

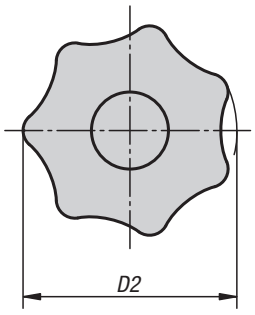


KIPP Thrust pads DIN 6311 enhanced

Order No. steel	Order No. stainless steel	Form	D1	D2	D4	H1	H2	T1	For grub screws with trust point DIN 6332
K0392.06	**K0392.061**	S	12	4,6	10	7	2,5	4	M6
K0392.08	**K0392.081**	S	16	6,1	12	9	4	5	M8
K0392.10	**K0392.101**	S	20	8,1	15	11	5	6	M10
K0392.12	**K0392.121**	S	25	8,1	18	13	7	7	M12
K0392.16	**K0392.161**	S	32	12,1	22	15	7	7,5	M16
K0392.20	**K0392.201**	S	40	15,6	28	16	9	8	M20
K0392.108	-	T	25	6,1	12	8	4	4,5	M8
K0392.110	-	T	32	8,1	18	10	6	6	M10 / M12
K0392.116	-	T	40	12,1	22	12	7	7	M16

Thrust spindles



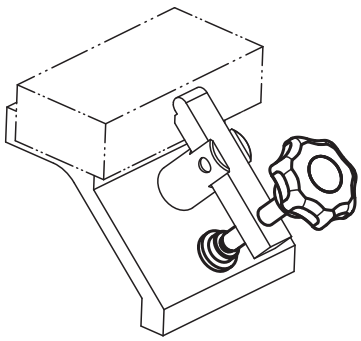


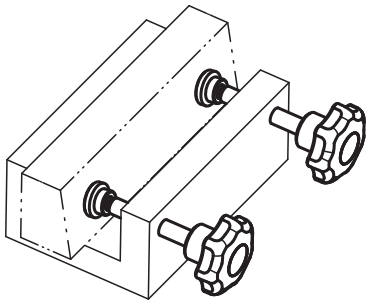
Material:
Star grip: thermoplastic.
Bush: steel.
Grub screw: steel, grade 5.8.
Thrust pad: plastic PA 6.

Version:
Star grip, thrust pad black.
Bush trivalent blue passivated.
Grub screw black oxidised.

Sample order:
K0394.06053

Note:
The thrust pad is supplied loose. It can be lightly pressed onto the end of the spindle.





KIPP Thrust spindles

Order No.	D	D1	D2	D3	L	H	H1	H2	H3
K0394.06053	M6	15	32	14	53,8	20	10	2,5	7,6
K0394.08064	M8	18	40	18	64,6	25	13	3,5	9
K0394.10070	M10	21	50	22	70,1	32	17	4	11
K0394.12086	M12	25	63	26	86	40	21	5	13