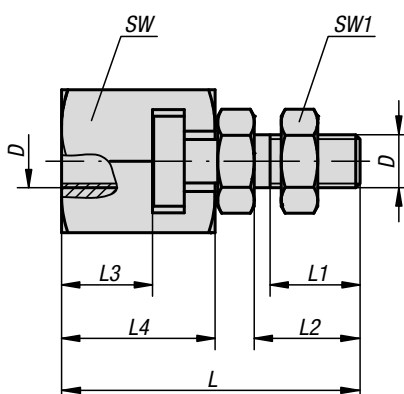
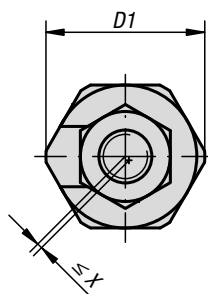


Joints



Quick-fit couplings

with radial offset compensation

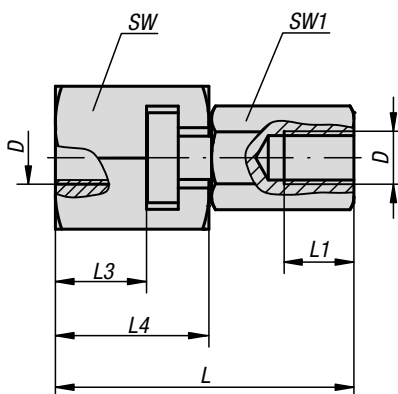
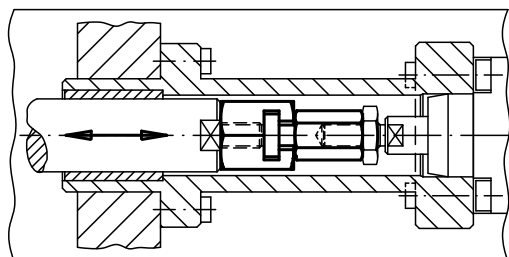


Material:
Coupling part and claw in steel.
Nut (DIN 439) in steel, grade 8.8.

Version:
Coupling part and flange tempered and phosphated.
Nut black oxidised.

Sample order:
K0709.16

Note:
Quick-fit couplings with radial offset compensation for multiple applications, e.g. as a link between a piston rod and a linear-movement unit. Assembly and disassembly of this simple, solid and two-part coupling is carried out by means of a T-slot; a manual re-adjustment is not necessary. The quick-fit coupling can be linked to all commonly used pneumatic and hydraulic cylinders via the connecting thread.



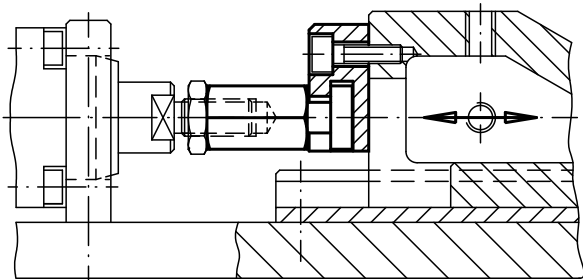
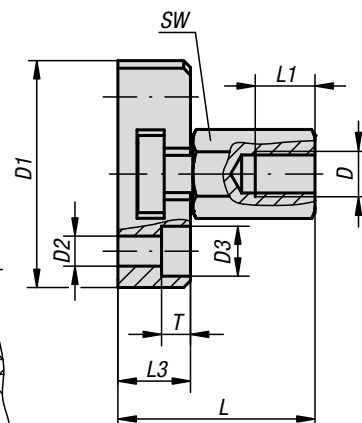
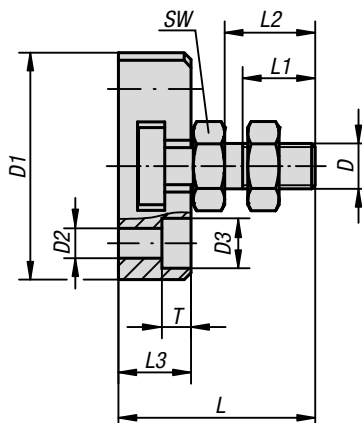
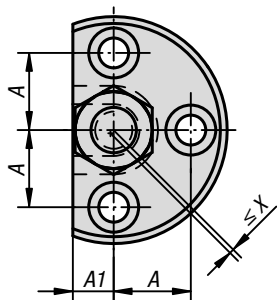
The quick-fit coupling does not transmit any torque.

KIPP Quick-fit couplings with radial offset compensation

Order No.	Version	D	D1	L	L1 min.	L2	L3 min.	L4	SW	SW1	radial offset compensation X max.	Max. permissible tensile and compressive stress kN
K0709.06	internal thread	M6	21	37,5	11	-	9	18	19	10	0,6	2,5
K0709.08	internal thread	M8	26	45	13,5	-	11,5	22,5	24	13	0,7	4,5
K0709.10	internal thread	M10	30	56,2	15	-	16	29	27	17	0,7	6,5
K0709.101	internal thread	M10x1,25	30	56,2	15	-	16	29	27	17	0,7	6,5
K0709.12	internal thread	M12	32,5	66,7	17,5	-	17	34	30	19	0,8	10
K0709.121	internal thread	M12x1,25	32,5	66,7	17,5	-	17	34	30	19	0,8	10
K0709.16	internal thread	M16	39	83	22	-	23	42	36	24	1	18
K0709.161	internal thread	M16x1,5	39	83	22	-	23	42	36	24	1	18
K0709.20	internal thread	M20	44	93,5	25	-	23,5	45,5	41	30	1	30
K0709.201	internal thread	M20x1,5	44	93,5	25	-	23,5	45,5	41	30	1	30
K0709.0614	external thread	M6	21	37,5	11	14	9	18	19	10	0,6	2,5
K0709.0817	external thread	M8	26	45	13,5	17	11,5	22,5	24	13	0,7	4,5
K0709.1020	external thread	M10	30	56,2	16	20	16	29	27	17	0,7	6,5
K0709.10201	external thread	M10x1,25	30	56,2	16	20	16	29	27	17	0,7	6,5
K0709.1225	external thread	M12	32,5	66,7	21	25	17	34	30	19	0,8	10
K0709.12251	external thread	M12x1,25	32,5	66,7	21	25	17	34	30	19	0,8	10
K0709.1630	external thread	M16	39	83	25	30	23	42	36	24	1	18
K0709.16301	external thread	M16x1,5	39	83	25	30	23	42	36	24	1	18
K0709.2035	external thread	M20	44	93,5	29	35	23,5	45,5	41	30	1	30
K0709.20351	external thread	M20x1,5	44	93,5	29	35	23,5	45,5	41	30	1	30

Quick-fit couplings

with radial offset compensation and mounting flange



Material:
Coupling part and steel flange.
Nut (DIN 439), grade 8.8.

Version:
Coupling part and flange tempered and phosphated.
Nut black oxidised.

Sample order:
K0710.20351

Note:
Space saving quick-fit couplings with radial offset compensation suitable for multiple applications, e.g. as a link between a piston rod and a linear-movement unit. Assembly and disassembly of this simple, solid and two-part coupling is with a T-slot, a manual re-adjustment is not necessary. The quick-fit coupling can be linked to all commonly used pneumatic and hydraulic lifting cylinders via the connecting thread.

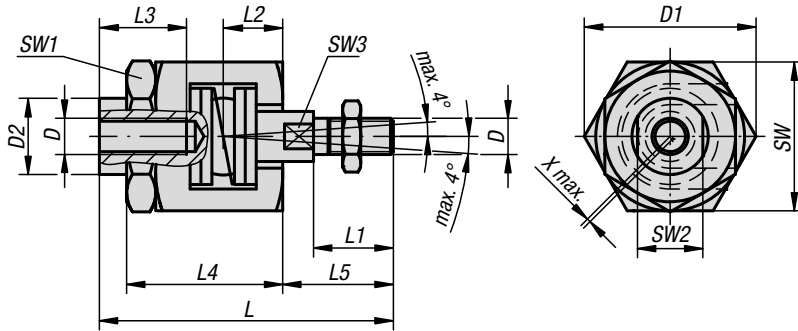
The quick-fit coupling does not transmit any torque.

KIPP Quick-fit couplings with radial offset compensation and mounting flange

Order No.	Version	D	D1	D2	D3	A	A1	L	L1 min.	L2	L3	T	SW	radial offset compensation X max.	Max. permissible tensile and compressive stress kN
K0710.06	internal thread	M6	42	5,5	10	14	7	30,5	11	-	11	5,4	10	0,6	2,5
K0710.08	internal thread	M8	48	6,6	11	16	8	35,5	13,5	-	13	6,4	13	0,7	4,5
K0710.10	internal thread	M10	50	6,6	11	17	9	43,2	15	-	16	6,4	17	0,7	6,5
K0710.101	internal thread	M10x1,25	50	6,6	11	17	9	43,2	15	-	16	6,4	17	0,7	6,5
K0710.12	internal thread	M12	55	6,6	11	19	10	53,2	17,5	-	20,5	6,4	19	0,8	10
K0710.121	internal thread	M12x1,25	55	6,6	11	19	10	53,2	17,5	-	20,5	6,4	19	0,8	10
K0710.16	internal thread	M16	65	9	15	22,5	12,5	64	22	-	23	8,5	24	1	18
K0710.161	internal thread	M16x1,5	65	9	15	22,5	12,5	64	22	-	23	8,5	24	1	18
K0710.20	internal thread	M20	80	11	18	28	17	74	25	-	26	10	30	1	30
K0710.201	internal thread	M20x1,5	80	11	18	28	17	74	25	-	26	10	30	1	30
K0710.0614	external thread	M6	42	5,5	10	14	7	30,5	11	14	11	5,4	10	0,6	2,5
K0710.0817	external thread	M8	48	6,6	11	16	8	35,5	13,5	17	13	6,4	13	0,7	4,5
K0710.1020	external thread	M10	50	6,6	11	17	9	43,2	16	20	16	6,4	17	0,7	6,5
K0710.10201	external thread	M10x1,25	50	6,6	11	17	9	43,2	16	20	16	6,4	17	0,7	6,5
K0710.1225	external thread	M12	55	6,6	11	19	10	53,2	21	25	20,5	6,4	19	0,8	10
K0710.12251	external thread	M12x1,25	55	6,6	11	19	10	53,2	21	25	20,5	6,4	19	0,8	10
K0710.1630	external thread	M16	65	9	15	22,5	12,5	64	25	30	23	8,5	24	1	18
K0710.16301	external thread	M16x1,5	65	9	15	22,5	12,5	64	25	30	23	8,5	24	1	18
K0710.2035	external thread	M20	80	11	18	28	17	74	29	35	26	10	30	1	30
K0710.20351	external thread	M20x1,5	80	11	18	28	17	74	29	35	26	10	30	1	30

Quick-fit couplings

with angular and radial offset compensation



Material:

Coupling part carbon steel.
Claw and seat steel.
Nut carbon steel.
Locknut (EN 24035) grade 8.8 steel.
Spring stainless steel.

Version:

Coupling part nitrided, black.
Claw and seat tempered and phosphated.
Nut phosphated.
Locknut black.

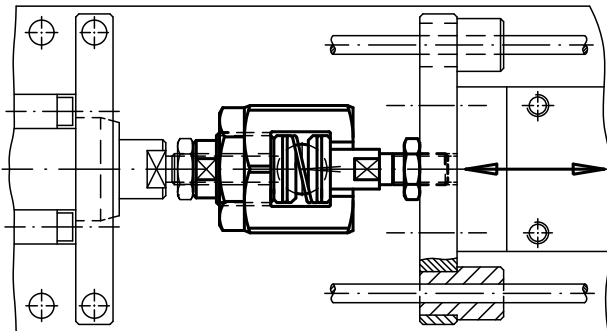
Sample order:

K0711.12

Note:

Quick-fit coupling, adjustable without axial play, including angular and radial offset compensation. Suitable for multiple applications, e.g. for non-aligned linear-movements. Solid and compact design, no loose elements. Assembly and disassembly with a T-slot; a manual re-adjustment is not necessary. The quick-fit coupling can be linked to all commonly used pneumatic and hydraulic lifting cylinders via the connecting thread.

The quick-fit coupling does not transmit any torque.

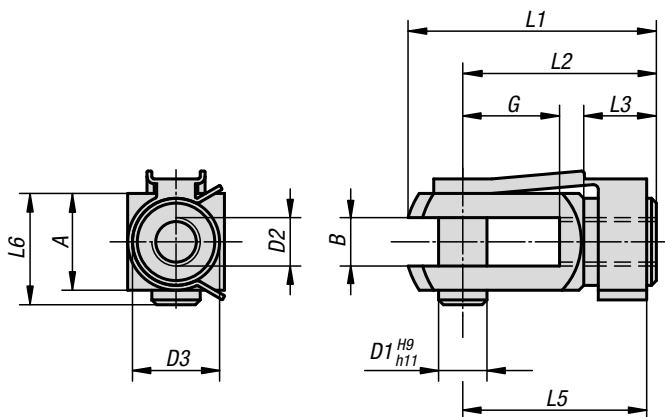


KIPP Quick-fit couplings with angular and radial offset compensation

Order No.	D	D1	D2	L	L1	L2	L3 min.	L4	L5	SW	SW1	SW2	SW3	radial offset compensation X max.	Max. permissible tensile and compressive stress kN
K0711.06	M6	24,5	9,6	52	14	9,5	13	29	18,5	22	19	8	5	0,6	2,5
K0711.08	M8	30	15	63	18	11,5	16	33	23,5	27	24	13	7	0,6	4,5
K0711.10	M10	44	21	81	22	16	24	43	30,5	41	36	18	12	0,7	6,5
K0711.101	M10x1,25	44	21	81	22	16	24	43	30,5	41	36	18	12	0,7	6,5
K0711.12	M12	44	21	85	26	16	24	43	34,5	41	36	18	12	0,7	10
K0711.121	M12x1,25	44	21	85	26	16	24	43	34,5	41	36	18	12	0,7	10
K0711.16	M16	60	32	121	34	26	34	62	45	55	46	27	18	1	18
K0711.161	M16x1,5	60	32	121	34	26	34	62	45	55	46	27	18	1	18
K0711.20	M20	60	32	129	42	26	34	62	53	55	46	27	18	1	30
K0711.201	M20x1,5	60	32	129	42	26	34	62	53	55	46	27	18	1	30

Clevis joints with snap-in pin

DIN 71752



Material:
Clevis and pins free-cutting steel.
Spring, spring steel.

Version:
Trivalent passivated.

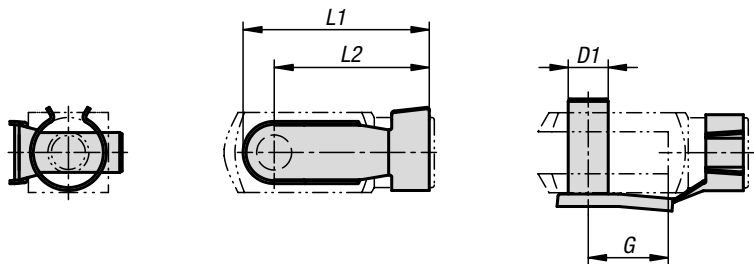
Sample order:
K0731.0510

KIPP Clevis joints with snap-in pin DIN 71752

Order No.	Version	B	G	D1	D2	D3	L1	L2	L3	L5	L6	A
K0731.03508	RH thread	4	8	4	M3,5	8	21	16	6	15	10	8
K0731.0510	RH thread	5	10	5	M5	9	26	20	7,5	19	12	10
K0731.0612	RH thread	6	12	6	M6	10	31	24	9	23	14	12
K0731.0816	RH thread	8	16	8	M8	14	42	32	12	31	19	16
K0731.0832	RH thread	8	32	8	M8	14	58	48	12	47	19	16
K0731.1020	RH thread	10	20	10	M10	18	52	40	15	39	23	20
K0731.10120	RH thread	10	20	10	M10x1,25	18	52	40	15	39	23	20
K0731.1040	RH thread	10	40	10	M10	18	72	60	15	59	23	20
K0731.10140	RH thread	10	40	10	M10x1,25	18	72	60	15	59	23	20
K0731.1224	RH thread	12	24	12	M12	20	62	48	18	47	28	24
K0731.12124	RH thread	12	24	12	M12x1,25	20	62	48	18	47	28	24
K0731.1248	RH thread	12	48	12	M12	20	86	72	18	69	28	24
K0731.12148	RH thread	12	48	12	M12x1,25	20	86	72	18	69	28	24
K0731.1428	RH thread	14	28	14	M14	24	72	56	22,5	52	31	27
K0731.1632	RH thread	16	32	16	M16	26	83	64	24	62	36	32
K0731.16132	RH thread	16	32	16	M16x1,5	26	83	64	24	62	36	32
K0731.05101	LH thread	5	10	5	M5	9	26	20	7,5	19	12	10
K0731.06121	LH thread	6	12	6	M6	10	31	24	9	23	14	12
K0731.08161	LH thread	8	16	8	M8	14	42	32	12	31	19	16
K0731.08321	LH thread	8	32	8	M8	14	58	48	12	47	19	16
K0731.10201	LH thread	10	20	10	M10	18	52	40	15	39	23	20
K0731.10401	LH thread	10	40	10	M10	18	72	60	15	59	23	20
K0731.12241	LH thread	12	24	12	M12	20	62	48	18	47	28	24
K0731.16321	LH thread	16	32	16	M16	26	83	64	24	62	36	32

Snap-in pins

for clevis joints DIN 71752



Material:

Pin, steel.
Spring, tempered leaf spring steel.

Version:

Electro zinc-plated.

Sample order:

K1139.0408

Note:

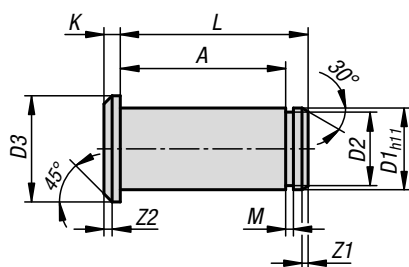
For DIN 71752 clevis.

KIPP Snap-in pins for clevis joints DIN 71752

Order No.	D1	G	L1	L2
K1139.0408	4	8	18,5	15
K1139.0510	5	10	23	19
K1139.0612	6	12	28	23
K1139.0816	8	16	37	30
K1139.0832	8	32	52	46
K1139.1020	10	20	46	38
K1139.1040	10	40	66	58
K1139.1224	12	24	53	45
K1139.1248	12	48	78	69
K1139.1428	14	28	62	52
K1139.1632	16	32	73	62

Pins with circlip groove

suitable for clevis



Material:

Steel or stainless steel 1.4301.

Version:

Electro zinc-plated steel.

Bright stainless steel.

Sample order:

K1454.004085

Note:

Pin with groove, suitable for DIN 71752 clevis. Secured with a DIN 6799 E-type circlip (alternatively a KL or SL clip).

When combined with a suitable clevis and tang, forms a fully functional clevis joint.

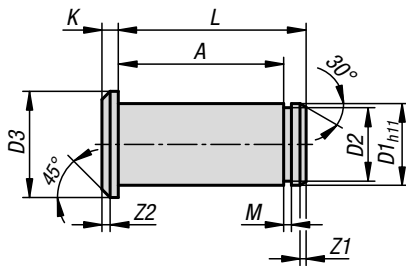


KIPP Pins with circlip groove, suitable for clevis

Order No. steel	Order No. stainless steel	D1	D2	D3	A	K	L	M	Z1	Z2
K1454.004085	K1454.104085	4	3,2	6	8,5	1	10,5	0,64	0,5	0,5
K1454.005105	K1454.105105	5	4	8	10,5	1,5	13	0,74	0,5	0,5
K1454.006125	K1454.106125	6	5	9	12,5	1,5	15,5	0,74	1	0,5
K1454.008165	K1454.108165	8	6	12	16,5	2	20	0,94	0,5	1
K1454.010205	K1454.110205	10	8	14	20,5	2	25	1,05	1	1
K1454.012245	K1454.112245	12	9	17	24,5	3	30	1,15	1	1,5
K1454.014275	K1454.114275	14	10	19	27,5	3	33	1,25	1,25	1,5
K1454.016325	K1454.116325	16	12	21	32,5	3	38,5	1,35	1,5	1,5
K1454.020405	K1454.120405	20	17,5	26	40,5	4	46	1,9	1,5	2
K1454.025505	-	25	18	32	50,5	5	57	1,9	1,5	2

Pins with circlip groove

suitable for clevis



Material:

Steel or stainless steel 1.4301.

Version:

Electro zinc-plated steel.
Bright stainless steel.

Sample order:

K1455.004085

Note:

Pins with groove suitable for DIN 71752 clevis. Secured with a DIN 471 circlip.

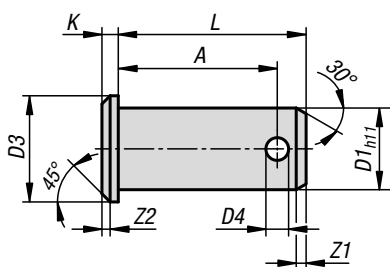
When combined with a suitable clevis and tang, forms a fully functional clevis joint.

KIPP Pins with circlip groove suitable for clevis

Order No. steel	Order No. stainless steel	D1	D2	D3	A	K	L	M	Z1	Z2
K1455.004085	K1455.104085	4	3,8	6	8,5	1	10	0,5	0,5	0,5
K1455.005105	K1455.105105	5	4,8	8	10,5	1,5	12,5	0,7	0,5	0,5
K1455.006125	K1455.106125	6	5,7	9	12,5	1,5	15,5	0,8	0,75	0,5
K1455.008165	K1455.108165	8	7,6	12	16,5	2	20,5	0,9	1	1
K1455.010205	K1455.110205	10	9,6	14	20,5	2	24	1,1	1	1
K1455.012245	K1455.112245	12	11,5	17	24,5	3	28	1,1	1,25	1,5
K1455.014275	-	14	13,4	19	27,5	3	32	1,1	1,25	1,5
K1455.016325	K1455.116325	16	15,2	21	32,5	3	37	1,1	1,5	1,5
K1455.020405	K1455.120405	20	19	26	40,5	4	46	1,3	1,5	2

Pins with split pin hole

suitable for clevis



Material:

Steel 1.0718 or stainless steel 1.4305.

Version:

Electro zinc-plated steel.

Bright stainless steel.

Sample order:

K1456.004100

Note:

Pins with a hole, suitable for DIN 71752 clevis. Secured with a split pin.

When combined with a suitable clevis and tang, forms a fully functional clevis joint.

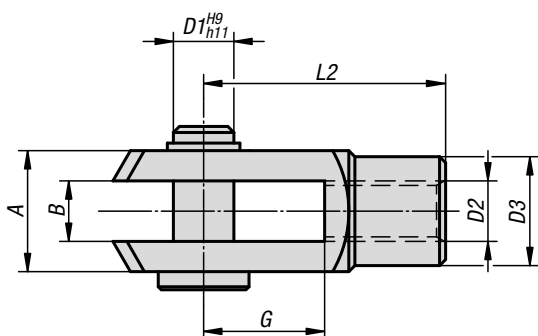


KIPP Pins with split pin hole suitable for clevis

Order No. steel	Order No. stainless steel	D1	D3	D4	A	K	L	Z1	Z2
K1456.004100	K1456.104100	4	6	1	10	1	12	1	0,5
K1456.005123	K1456.105123	5	8	1,2	12,3	1,5	15	1	0,5
K1456.006153	K1456.106153	6	9	1,6	15,3	1,5	18	1,5	0,5
K1456.008195	K1456.108195	8	12	2	19,5	2	23	2	1
K1456.010245	K1456.110245	10	14	3,2	24,5	2	29	2	1
K1456.012295	K1456.112295	12	17	4	29,5	3	35	2,5	1,5
K1456.014325	K1456.114325	14	19	4	32,5	3	40	2,5	1,5
K1456.016382	K1456.116382	16	21	4	38,2	3	45	2,5	1,5
K1456.020470	K1456.120470	20	26	5	47	4	53	3	2
K1456.025590	K1456.125590	25	32	6,3	59	5	67	4	2
K1456.028632	-	28	34	6,3	63,2	5	72	4	2
K1456.030590	K1456.130590	30	36	6,3	59	5	67	4	2
K1456.030682	-	30	36	6,3	68,2	5	77	4	2
K1456.035765	-	35	44	8	76,5	6	87	5	2
K1456.040900	-	40	48	8	90	6	100	5	2
K1456.042900	-	42	48	8	90	7	100	5	2
K1456.0501030	-	50	58	10	103	7	115	6	2

Clevis joints stainless steel

DIN 71752



Material:
Stainless steel 1.4305.

Version:
Bright.

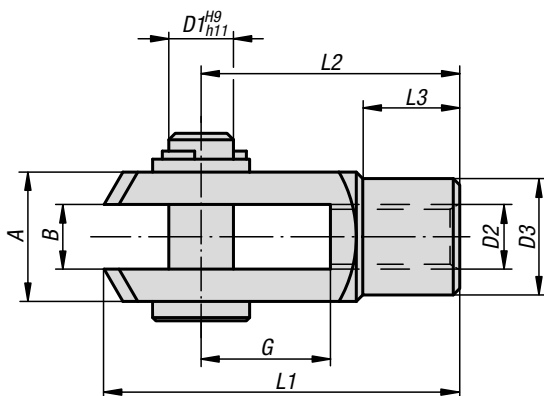
Sample order:
K0732.0816

KIPP Clevis joints stainless steel DIN 71752

Order No.	Version	B	G	D1	D2	D3	L2	A
K0732.0510	RH thread	5	10	5	M5	9	20	10
K0732.0612	RH thread	6	12	6	M6	10	24	12
K0732.0816	RH thread	8	16	8	M8	14	32	16
K0732.0832	RH thread	8	32	8	M8	14	48	16
K0732.1020	RH thread	10	20	10	M10	18	40	20
K0732.10120	RH thread	10	20	10	M10x1,25	18	40	20
K0732.1040	RH thread	10	40	10	M10	18	60	20
K0732.1224	RH thread	12	24	12	M12	20	48	24
K0732.12124	RH thread	12	24	12	M12x1,25	20	48	24
K0732.1248	RH thread	12	48	12	M12	20	72	24
K0732.12148	RH thread	12	48	12	M12x1,25	20	72	24
K0732.1428	RH thread	14	28	14	M14	24	56	27
K0732.1632	RH thread	16	32	16	M16	26	64	32
K0732.16132	RH thread	16	32	16	M16x1,5	26	64	32
K0732.05101	LH thread	5	10	5	M5	9	20	10
K0732.06121	LH thread	6	12	6	M6	10	24	12
K0732.08161	LH thread	8	16	8	M8	14	32	16
K0732.10201	LH thread	10	20	10	M10	18	40	20
K0732.12241	LH thread	12	24	12	M12	20	48	24
K0732.16321	LH thread	16	32	16	M16	26	64	32

Clevis joints

DIN 71752



Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

K0733.0510

KIPP Clevis joints DIN 71752

Order No.	Version 2	B	G	D1	D2	D3	L1	L2	L3	A
K0733.0510	RH thread	5	10	5	M5	9	26	20	7,5	10
K0733.0612	RH thread	6	12	6	M6	10	31	24	9	12
K0733.0816	RH thread	8	16	8	M8	14	42	32	12	16
K0733.0832	RH thread	8	32	8	M8	14	58	48	12	16
K0733.1020	RH thread	10	20	10	M10	18	52	40	15	20
K0733.10120	RH thread	10	20	10	M10x1,25	18	52	40	15	20
K0733.1040	RH thread	10	40	10	M10	18	72	60	15	20
K0733.10140	RH thread	10	40	10	M10x1,25	18	72	60	15	20
K0733.1224	RH thread	12	24	12	M12	20	62	48	18	24
K0733.12124	RH thread	12	24	12	M12x1,25	20	62	48	18	24
K0733.1248	RH thread	12	48	12	M12	20	86	72	18	24
K0733.12148	RH thread	12	48	12	M12x1,25	20	86	72	18	24
K0733.1428	RH thread	14	28	14	M14	24	72	56	22,5	27
K0733.1632	RH thread	16	32	16	M16	26	83	64	24	32
K0733.16132	RH thread	16	32	16	M16x1,5	26	83	64	24	32
K0733.05101	LH thread	5	10	5	M5	9	26	20	7,5	10
K0733.06121	LH thread	6	12	6	M6	10	31	24	9	12
K0733.08161	LH thread	8	16	8	M8	14	42	32	12	16
K0733.10201	LH thread	10	20	10	M10	18	52	40	15	20
K0733.12241	LH thread	12	24	12	M12	20	62	48	18	24
K0733.16321	LH thread	16	32	16	M16	26	83	64	24	32

Clevis, steel or stainless steel

with male thread



Material:

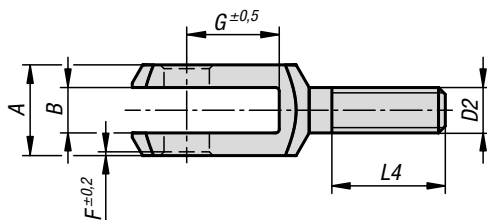
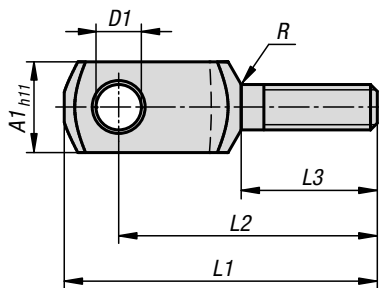
Steel or stainless steel 1.4301.

Version:

Steel electro zinc-plated.
Stainless steel bright.

Sample order:

K1459.0612



KIPP Clevis, steel or stainless steel with male thread

Order No. steel	Order No. stainless steel	A	A1	B	D1	D2	F	G	L1	L2	L3	L4	R
K1459.0612	K1459.10612	12	12	6	6	M6	0,5	12	44	37	20	15	0,8
K1459.0816	K1459.10816	16	16	8	8	M8	0,5	16	57	47	25	20	0,8
K1459.1020	K1459.11020	20	20	10	10	M10	0,5	20	69	57	30	25	0,8
K1459.1224	K1459.11224	24	24	12	12	M12	0,5	24	82	68	35	30	0,8
K1459.1428	K1459.11428	27	27	14	14	M14	1	28	94	78	40	35	1,2
K1459.1632	K1459.11632	32	32	16	16	M16	1	32	108	89	45	40	1,2
K1459.2040	K1459.12040	40	40	20	20	M20	1	40	134	109	55	50	1,5

Clevis tang, steel

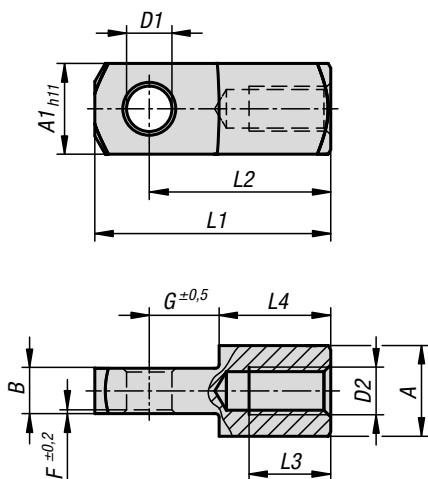


Material:
Steel.

Version:
Electro zinc-plated.

Sample order:
K1460.0406

Note:
The clevis tang can be combined with a DIN 71752 clevis. These items are mainly used when connections are required to compensate for a directional shift in one direction.

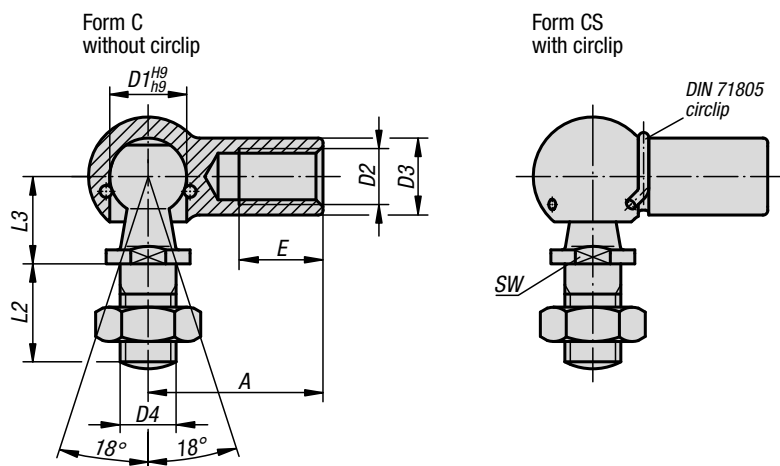


KIPP Clevis tang, steel

Order No.	A	A1	B	D1	D2	F	G	L1	L2	L3	L4
K1460.0406	8	8	4	4	M4	0,5	6	21	16	6	10
K1460.0507	10	10	5	5	M5	0,5	7,5	26	20	8	12,5
K1460.0609	12	12	6	6	M6	0,5	9	31	24	11	15
K1460.0812	16	16	8	8	M8	0,5	12	42	32	14	20
K1460.1015	20	20	10	10	M10	0,5	15	52	40	18	25
K1460.1218	24	24	12	12	M12	0,5	18	62	48	22	30
K1460.1421	27	27	14	14	M14	1	21	72	56	25	35
K1460.1624	32	32	16	16	M16	1	24	83	64	30	40

Ball joints

DIN 71802



Material:
Steel or 1.4305 stainless steel

Version:
Trivalent passivated.
Stainless steel version bright.

Sample order:
K0734.08051

Note:
LH thread refers to dimension D2.

KIPP Ball joints DIN 71802

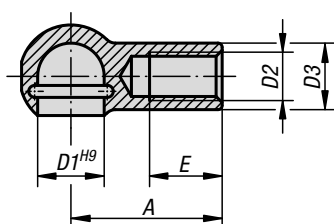
Order No. RH thread	Order No. LH thread	Form	Main material	D1	D2	D3	D4	A	L2	L3	E	SW
K0734.0805	K0734.080501	C	steel	8	M5	8	M5	22	10,2	9	10,2	7
K0734.1006	K0734.100601	C	steel	10	M6	10	M6	25	12,5	11	11,5	8
K0734.1308	K0734.130801	C	steel	13	M8	13	M8	30	16,5	13	14	11
K0734.1610	K0734.161001	C	steel	16	M10	16	M10	35	20	16	15,5	13
K0734.1612	K0734.161201	C	steel	16	M12	16	M12	35	20	16	15,5	13
K0734.1914	K0734.191401	C	steel	19	M14x1,5	22	M14x1,5	45	28	20	21,5	16
K0734.1916	K0734.191601	C	steel	19	M16	22	M16	45	28	20	21,5	16
K0734.080351	-	CS	steel	8	M3,5	8	M4	18	10,2	9	8	7
K0734.08051	K0734.080511	CS	steel	8	M5	8	M5	22	10,2	9	10,2	7
K0734.10061	K0734.100611	CS	steel	10	M6	10	M6	25	12,5	11	11,5	8
K0734.13081	K0734.130811	CS	steel	13	M8	13	M8	30	16,5	13	14	11
K0734.16101	K0734.161011	CS	steel	16	M10	16	M10	35	20	16	15,5	13
K0734.16121	K0734.161211	CS	steel	16	M12	16	M12	35	20	16	15,5	13
K0734.19141	K0734.191411	CS	steel	19	M14x1,5	22	M14x1,5	45	28	20	21,5	16
K0734.19161	K0734.191611	CS	steel	19	M16	22	M16	45	28	20	21,5	16
K0734.08052	K0734.080521	CS	stainless steel	8	M5	8	M5	22	10,2	9	10,2	7
K0734.10062	K0734.100621	CS	stainless steel	10	M6	10	M6	25	12,5	11	11,5	8
K0734.13082	K0734.130821	CS	stainless steel	13	M8	13	M8	30	16,5	13	14	11
K0734.16102	K0734.161021	CS	stainless steel	16	M10	16	M10	35	20	16	15,5	13
K0734.16122	K0734.161221	CS	stainless steel	16	M12	16	M12	35	20	16	15,5	13

Ball seats for ball joints

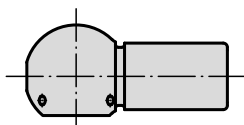
DIN 71805



Form A
with snap ring



Form B
with snap ring and
groove for circlip



Material:
Steel.

Version:
Trivalent passivated.

Sample order:
K0712.08051

Note:
The ball seats are spare parts for DIN 71802 ball joints.
See circlips for ball seats for suitable clips for Form B.

On request:
Stainless steel ball seats.

KIPP Ball seats for ball joints DIN 71805

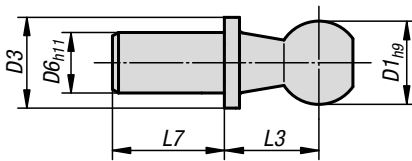
Order No.	Form	D1	D2	D3	A	E
K0712.0805	A	8	M5	8	22	10,2
K0712.1006	A	10	M6	10	25	11,5
K0712.1308	A	13	M8	13	30	14
K0712.1610	A	16	M10	16	35	15,5
K0712.1612	A	16	M12	16	35	15,5
K0712.1914	A	19	M14x1,5	22	45	21,5
K0712.1916	A	19	M16	22	45	21,5
K0712.080351	B	8	M3,5	8	18	8
K0712.08051	B	8	M5	8	22	10,2
K0712.10061	B	10	M6	10	25	11,5
K0712.13081	B	13	M8	13	30	14
K0712.16101	B	16	M10	16	35	15,5
K0712.16121	B	16	M12	16	35	15,5
K0712.19141	B	19	M14x1,5	22	45	21,5
K0712.19161	B	19	M16	22	45	21,5

Ball studs for ball joints

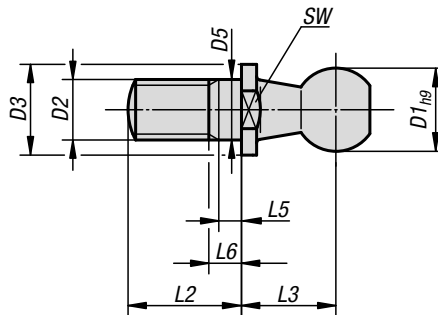
DIN 71803



Form B
with rivet pin



Form C
with thread and flats

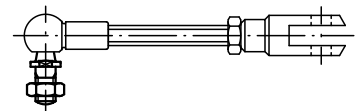


Material:
Steel.

Version:
Trivalent passivated.

Sample order:
K0713.1006

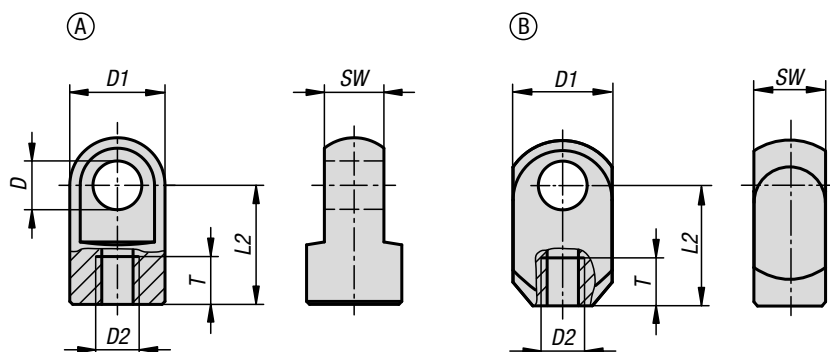
Note:
The ball studs are spare parts for DIN 71802 ball joints.



KIPP Ball studs for ball joints DIN 71803

Order No.	Form	Version 2	D1	D2	D3	D5	D6	L2	L3	L5 min.	L6 max.	L7	SW
K0713.0840	B	short	8	-	8	-	5	-	9	-	-	4	-
K0713.1045	B	short	10	-	10	-	6	-	11	-	-	4,5	-
K0713.1305	B	short	13	-	13	-	8	-	13	-	-	5	-
K0713.1606	B	short	16	-	16	-	10	-	16	-	-	6	-
K0713.0875	B	long version	8	-	8	-	5	-	9	-	-	7,5	-
K0713.1080	B	long version	10	-	10	-	6	-	11	-	-	8	-
K0713.1310	B	long version	13	-	13	-	8	-	13	-	-	10	-
K0713.1613	B	long version	16	-	16	-	10	-	16	-	-	13	-
K0713.1918	B	long version	19	-	19	-	14	-	20	-	-	18	-
K0713.0805	C	-	8	M5	8	5	-	10,2	9	1,2	4	-	7
K0713.1006	C	-	10	M6	10	6	-	12,5	11	1,2	4	-	8
K0713.1308	C	-	13	M8	13	8	-	16,5	13	1,5	5,3	-	11
K0713.1610	C	-	16	M10	16	10	-	20	16	2,5	7,3	-	13
K0713.1612	C	-	16	M12	16	12	-	20	16	2,5	7,3	-	13
K0713.1914	C	-	19	M14x1,5	19	14	-	28	20	5	10,8	-	16

Rod-end eyes



Material:
Steel or 1.4305 stainless steel

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

Sample order:
K0127.03504111

Note:
With internal thread.

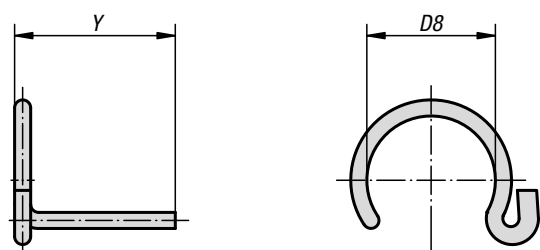
KIPP Rod-end eyes

Order No. steel	Order No. stainless steel	Form	D	D1	D2	L2	SW	T
K0127.03504111	-	A	4,1	8	M3,5	11	4	6
K0127.0506116	K0127.05061161	A	6,1	10	M5	16	6	8
K0127.0508116	-	B	8,1	15	M5	16	10	8
K0127.0808119	K0127.08081191	A	8,1	14	M8	19	10	11
K0127.1008127	K0127.10081271	A	8,1	18	M10	27	10	12

K0714

Circlips for ball seats

DIN 71805



Material:
Spring steel

Version:
Trivalent passivated.

Sample order:
K0714.08

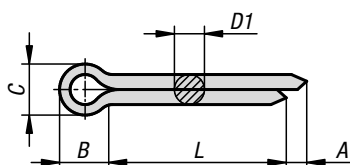
Note:
For DIN 71805 ball seats.

KIPP Circlips for ball seats DIN 71805

Order No.	D8	Y	Suitable for ball sockets with D1
K0714.08	7	12	8
K0714.10	8,7	12,5	10
K0714.13	11	15,7	13
K0714.16	13	19	16
K0714.19	20	24	19

Split pins

DIN EN ISO 1234



Material:

Steel or stainless steel 1.4310.

Version:

Steel electro zinc-plated.
Stainless steel bright.

Sample order:

K1136.1010X10 (include length L)

Note:

Split pins are used in machine construction and automotive engineering as retaining elements. They are often used for securing castle nuts. After the split pin is pushed through a hole, the ends are bent over to ensure a secure lock.

The split pin can be shortened. As a rule, the split pin should be roughly double the length of the hole.

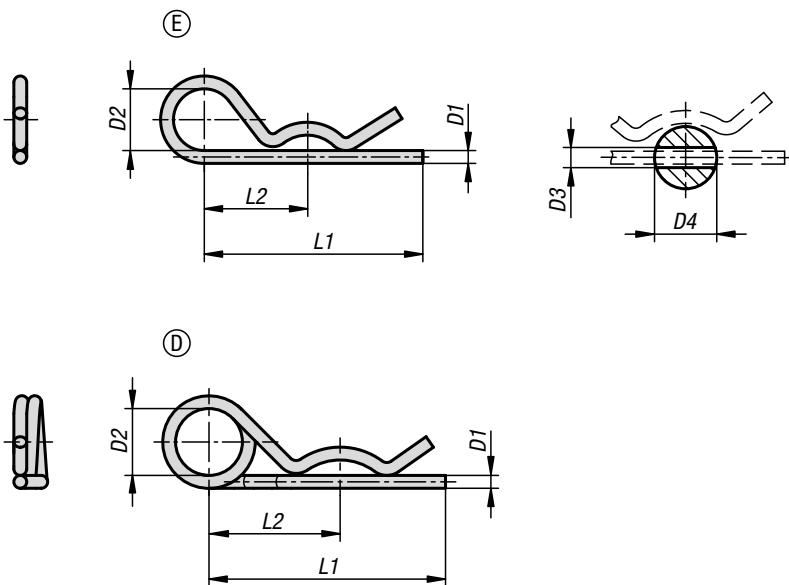
As the material structure can weaken through bending and straightening, the split pins should not be reused after they have been removed from the hole.

KIPP Split pins DIN EN ISO 1234

Order No.	Main material	Hole diameters	D1 max.	L	A min.	B	C max.	for screws	for screw Ø
K1136.1010X	steel	1	0,9	10/12/16/20/25	0,8	3	1,8	3,5-4,5	3-4
K1136.1016X	steel	1,6	1,4	12/16/20/25/32	1,25	3,2	2,8	5,5-7	5-6
K1136.1020X	steel	2	1,8	10/16/20/25/32/36/40/50	1,25	4	3,6	7-9	6-8
K1136.1025X	steel	2,5	2,3	20/25/32/36/40/50	1,25	5	4,6	9-11	8-9
K1136.1032X	steel	3,2	2,9	16/20/25/32/36/40/50/63	1,6	6,4	5,8	11-14	9-12
K1136.1040X	steel	4	3,7	20/25/32/36/40/50/63/80	2	8	7,4	14-20	12-17
K1136.1050X	steel	5	4,6	25/32/36/40/50/63/80	2	10	9,2	20-27	17-23
K1136.1063X	steel	6,3	5,9	32/36/40/50/63/80/100	2	12,6	11,8	27-39	23-29
K1136.1080X	steel	8	7,5	50/63/80/100	2	16	15	39-56	29-44
K1136.2010X	stainless steel A2	1	0,9	16/20	0,8	3	1,8	3,5-4,5	3-4
K1136.2016X	stainless steel A2	1,6	1,4	12/16/20/25/32	1,25	3,2	2,8	5,5-7	5-6
K1136.2020X	stainless steel A2	2	1,8	10/16/20/25/32/40	1,25	4	3,6	7-9	6-8
K1136.2025X	stainless steel A2	2,5	2,3	20/25/32	1,25	5	4,6	9-11	8-9
K1136.2032X	stainless steel A2	3,2	2,9	16/20/25/32/36/40/50/63	1,6	6,4	5,8	11-14	9-12
K1136.2040X	stainless steel A2	4	3,7	20/25/32/40/50/63	2	8	7,4	14-20	12-17
K1136.2050X	stainless steel A2	5	4,6	32/36/40/50/63	2	10	9,2	20-27	17-23
K1136.2063X	stainless steel A2	6,3	5,9	36/40/50/63/80	2	12,6	11,8	27-39	23-29
K1136.2080X	stainless steel A2	8	7,5	50/80/100	2	16	15	39-56	29-44

R-clips

similar to DIN 11024



Material:
Steel or stainless steel A2.

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

Sample order:
K1137.11200

Note:
R-clips are used for securing bolts and axles. They are easy to install and can be reused. The ends have no sharp edges.

Double coil R-clips have a flatter spring characteristics and are easier to install. The double coil allows a tether cable to be attached to prevent loss.

Drawing reference:

Form E: with single coil.

Form D: with double coil (coil direction can differ from the drawing).

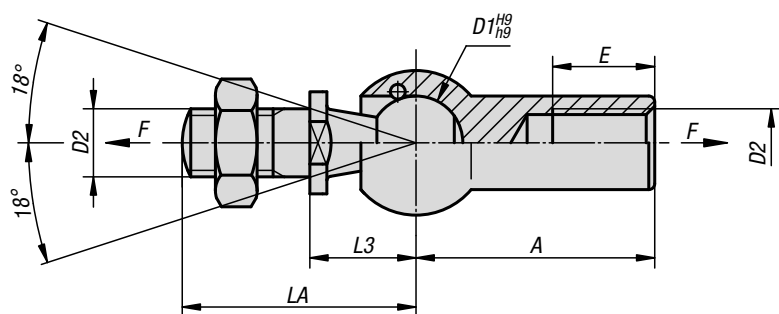
KIPP R-clips similar to DIN 11024

Order No.	Form	Main material	D1	D2	D3	D4=for screw Ø	L1	L2
K1137.11200	E	steel	2	10	2,5	9-14	50	25
K1137.11300	E	steel	3	18	3,5	10-16	60	28
K1137.11400	E	steel	4	20	4,5	16-20	60	30
K1137.11500	E	steel	5	24	6	20-28	85	40
K1137.11600	E	steel	6	30	7	28-40	105	50
K1137.11700	E	steel	7	30	8	28-45	105	50
K1137.21200	E	stainless steel A2	2	10	2,5	7-8	40	25
K1137.21250	E	stainless steel A2	2,5	11	3	10-16	46	24
K1137.21300	E	stainless steel A2	3	16	3,5	16-18	60	34
K1137.21400	E	stainless steel A2	4	19	4,5	18-20	64	36
K1137.21500	E	stainless steel A2	5	26	6	20-28	82	45
K1137.21600	E	stainless steel A2	6	30	7	28-40	110	60

Order No.	Form	Main material	D1	D2	D3	D4=for screw Ø	L1	L2
K1137.12225	D	steel	2,25	20	2,5	9-11,2	42	24
K1137.12280	D	steel	2,8	20	3,2	11,2-14	48	26
K1137.12360	D	steel	3,6	20	4	14-20	64	32
K1137.12450	D	steel	4,5	25	5	20-26	80	39
K1137.12560	D	steel	5,6	25	6,3	26-34	97	45
K1137.12630	D	steel	6,3	30	7	34-45	125	56
K1137.12700	D	steel	7	30	8	45-56	150	63
K1137.22225	D	stainless steel A2	2,25	20	2,5	7-9	42	24
K1137.22280	D	stainless steel A2	2,8	20	3,2	11-14	48	26
K1137.22360	D	stainless steel A2	3,6	20	4	14-20	64	32
K1137.22450	D	stainless steel A2	4,5	25	5	20-26	80	39
K1137.22560	D	stainless steel A2	5,6	25	6,3	26-34	97	45

Axial joints

similar to DIN 71802



Material:

Steel or 1.4305 stainless steel.
Stainless steel versions have Neoprene seals.

Version:

Trivalent passivated.
Stainless steel version bright.

Sample order:

K0715.10

Note:

Protected against dust, dirt, water spray and vapour.
Applicable temperature range from -30 °C to +110 °C.

On request:

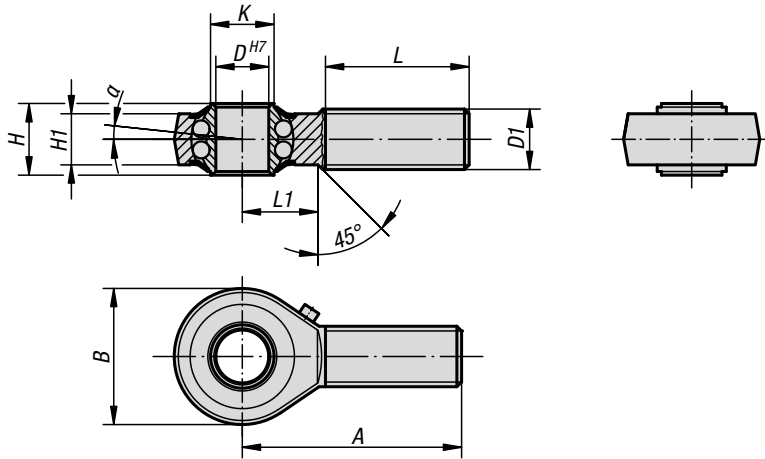
Axial joints with greater extraction force and left-hand thread available.

KIPP Axial joints similar to DIN 71802

Order No.	Main material	D1	D2	A	LA	L3	E	Extraction force F N
K0715.08	steel	8	M5	22	19,2	9	10,2	30
K0715.10	steel	10	M6	25	23,5	11	11,5	40
K0715.13	steel	13	M8	30	29,5	13	14	60
K0715.16	steel	16	M10	35	36	16	15,5	80
K0715.19	steel	19	M14x1,5	45	48	20	21,5	100
K0715.108	stainless steel	8	M5	22	19,2	9	10,2	30
K0715.110	stainless steel	10	M6	25	23,5	11	11,5	40
K0715.113	stainless steel	13	M8	30	29,5	13	14	60
K0715.116	stainless steel	16	M10	35	36	16	15,5	80

Rod ends with ball bearing

external thread, DIN ISO 12240-4



Material:

Casing drop-forged steel, tempered.

Version:

Electro zinc-plated.

Bearing play 15 - 40 µm.

Sample order:

K0716.12

Note:

The hardened ball bearing is long-term greased and sealed with cover washers. The connection dimensions comply with DIN 648 series KA.

Rod ends are primarily used where movement processes are transmitted and there is no exact alignment.

Up to D = 10 the rod ends have a DIN 3405/A flush type grease nipple.

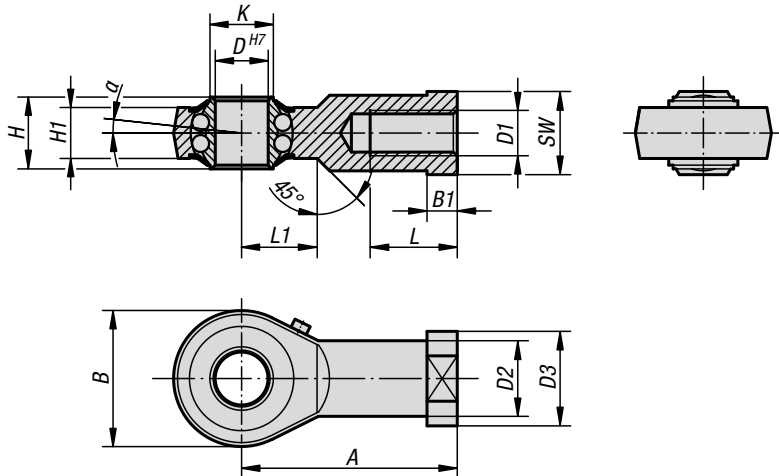
From D = 12 they have a DIN 71412/A conical head type grease nipple.

KIPP Rod ends with ball bearing, external thread, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	A	B	H	H1	K	L	L1	α	Dynamic load rating N	Static load rating N	Rev. limit n max. rpm
K0716.06	K0716.061	6	M6	36	20	9	6,75	9	22	12	8°	2750	650	1350
K0716.08	K0716.081	8	M8	42	24	12	9	10,5	25	15	8,5°	4000	1000	1300
K0716.10	K0716.101	10	M10	48	28	14	10,5	12	29	15	8°	4450	1450	1225
K0716.12	K0716.121	12	M12	54	32	16	12	14,5	33	19	7,5°	4950	1800	1125
K0716.16	K0716.161	16	M16	66	42	21	15	19	40	22	8°	6250	2350	975
K0716.20	K0716.201	20	M20x1,5	78	50	25	18	24,5	47	28	7°	7900	3450	825
K0716.22	K0716.221	22	M22x1,5	84	54	28	20	26	51	26	8°	9300	3980	725

Rod ends with ball bearing

internal thread, DIN ISO 12240-4



Material:

Casing drop-forged steel, tempered.

Version:

Electro zinc-plated.

Bearing play 15 - 40 µm.

Sample order:

K0717.16

Note:

The hardened ball bearing is long-term greased and sealed with cover washers. The connection dimensions comply with DIN 648 Form Series KA.

Up to D = 10 the rod ends have a DIN 3405/A flush type grease nipple.

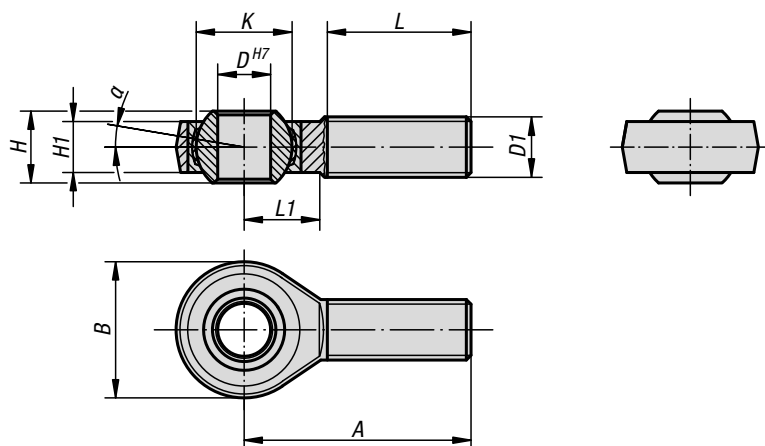
From D = 12 they have a DIN 71412/A conical head type grease nipple.

KIPP Rod ends with ball bearing, internal thread, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	D2	D3	A	B	B1	H	H1	K	L	L1	SW	α	Dynamic load rating N	Static load rating N	Rev. limit n max. rpm
K0717.06	K0717.061	6	M6	10	13	30	20	5	9	6,75	9	12	10	11	8°	2750	650	1350
K0717.08	K0717.081	8	M8	12,5	16	36	24	5	12	9	10,5	16	12	14	8,5°	4000	1000	1300
K0717.10	K0717.101	10	M10	15	19	43	28	6,5	14	10,5	12	20	15	17	8°	4450	1450	1225
K0717.12	K0717.121	12	M12	17,5	22	50	32	6,5	16	12	14,5	22	16	19	7,5°	4950	1800	1125
K0717.16	K0717.161	16	M16	22	27	64	42	8	21	15	19	28	22	22	8°	6250	2350	975
K0717.20	K0717.201	20	M20x1,5	27,5	34	77	50	10	25	18	24,5	33	26	30	7°	7900	3450	825
K0717.22	K0717.221	22	M22x1,5	30	38	84	54	12	28	20	26	37	26	32	8°	9300	3980	725

Rod ends with plain bearing

external thread, DIN ISO 12240-4



Material:

Housing size (D) 5-12 turned steel.
 From size (D) 16 forged steel.
 Ball joint ball bearing steel, hardened, ground and polished.
 Bearing shell steel with PTFE weave glued in.

Version:

Electro zinc-plated.

Sample order:

K0718.20

Note:

The rod end bearing is maintenance-free. The connection dimensions comply with DIN 648 series KA.

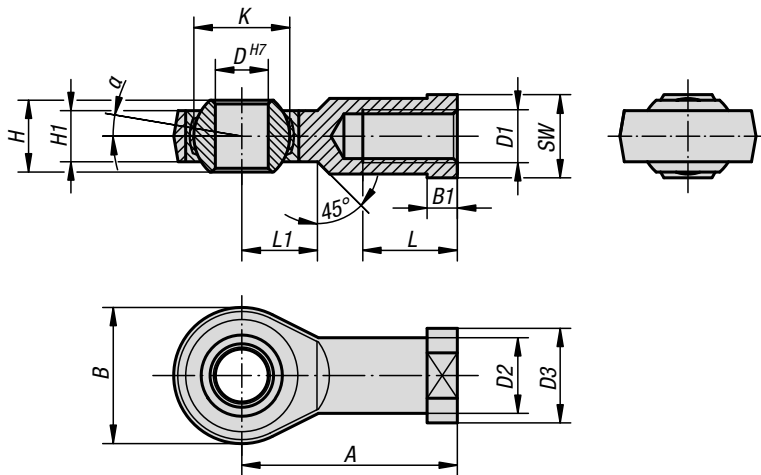


KIPP Rod ends with plain bearing, external thread, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	A	B	H	H1	K	L	L1	α	Dynamic base loads kN	Static base loads kN
K0718.05	K0718.051	5	M5	33	18	8	6	11,11	20	9	13°	7,5	4,3
K0718.06	K0718.061	6	M6	36	20	9	6,75	12,7	22	12	13°	9,3	6
K0718.08	K0718.081	8	M8	42	24	12	9	15,87	25	15	13°	16,7	11
K0718.10	K0718.101	10	M10	48	28	14	10,5	19,05	29	15	13°	23,4	17,4
K0718.12	K0718.121	12	M12	54	32	16	12	22,22	33	19	13°	32	23,5
K0718.16	K0718.161	16	M16	66	42	21	15	28,57	40	22	15°	52,7	32
K0718.20	K0718.201	20	M20x1,5	78	50	25	18	34,92	47	28	15°	78,1	43,8
K0718.22	K0718.221	22	M22x1,5	84	54	28	20	38,1	51	26	15°	97,2	52,6

Rod ends with plain bearing

internal thread, DIN ISO 12240-4



Material:

Housing size (D) 5-12 turned steel.
 From size (D) 16 forged steel.
 Ball joint ball bearing steel, hardened, ground and polished.
 Bearing shell steel with PTFE weave glued in.

Version:

Electro zinc-plated.

Sample order:

K0719.22

Note:

The rod end bearing is maintenance-free. The connection dimensions comply with DIN 648 series KJ.

KIPP Rod ends with plain bearing, internal thread, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	D2	D3	A	B	B1	H	H1	K	L	L1	SW	α	Dynamic base loads kN	Static base loads kN
K0719.05	K0719.051	5	M5	9	11	27	18	4	8	6	11,11	10	10	9	13°	7,5	8
K0719.06	K0719.061	6	M6	10	13	30	20	5	9	6,75	12,7	12	10	11	13°	9,3	8,9
K0719.08	K0719.081	8	M8	12,5	16	36	24	5	12	9	15,87	16	12	13	13°	16,7	14,1
K0719.10	K0719.101	10	M10	15	19	43	28	6,5	14	10,5	19,05	20	15	17	13°	23,4	19,3
K0719.10125	K0719.101251	10	M10x1,25	15	19	43	28	6,5	14	10,5	19,05	20	15	17	13°	23,4	19,3
K0719.12	K0719.121	12	M12	17,5	22	50	32	6,5	16	12	22,22	22	16	19	13°	32	23,5
K0719.12125	K0719.121251	12	M12x1,25	17,5	22	50	32	6,5	16	12	22,22	22	16	19	13°	32	23,5
K0719.16	K0719.161	16	M16	22	27	64	42	8	21	15	28,57	28	22	22	15°	52,7	32
K0719.1615	K0719.16151	16	M16x1,5	22	27	64	42	8	21	15	28,57	28	22	22	15°	52,7	32
K0719.20	K0719.201	20	M20x1,5	27,5	34	77	50	10	25	18	34,92	33	26	32	15°	78,1	43,8
K0719.22	K0719.221	22	M22x1,5	30	37	84	54	12	28	20	38,1	37	26	32	15°	97,2	52,6

Rod ends with plain bearing

external thread, stainless steel, DIN ISO 12240-4



Material:

Housing forged 1.4057 stainless steel.
Ball joint 1.4034 hardened and ground.
Bearing shell 1.4571 stainless steel.

Version:

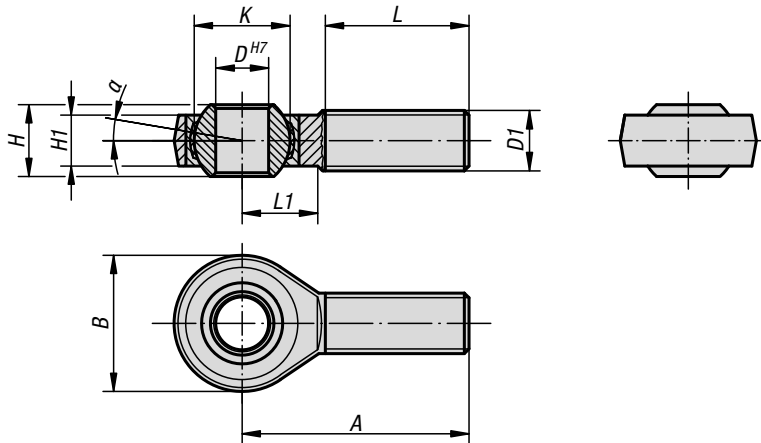
Polished.

Sample order:

K0720.20

Note:

The rod end bearing is maintenance-free.
The connection dimensions comply with DIN 648 Form Series KA.

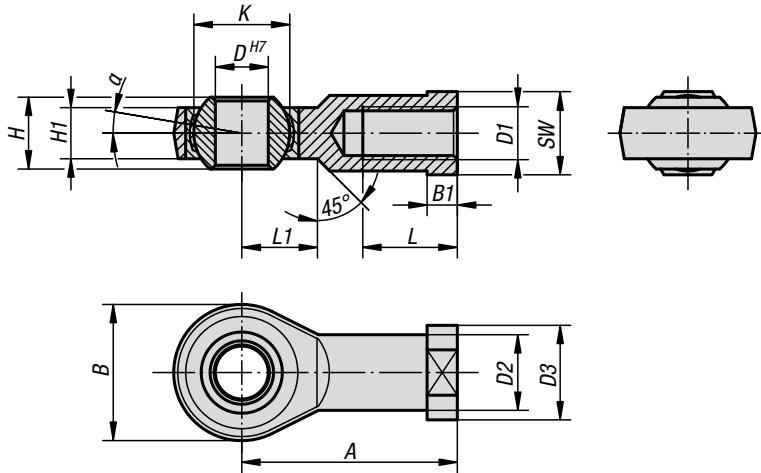


KIPP Rod ends with plain bearing, external thread, stainless steel, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	A	B	H	H1	K	L	L1	α	Dynamic base loads kN	Static base loads kN
K0720.05	K0720.051	5	M5	33	18	8	6	11,11	20	9	13°	7,5	6,2
K0720.06	K0720.061	6	M6	36	20	9	6,75	12,7	22	12	13°	9,3	8,8
K0720.08	K0720.081	8	M8	42	24	12	9	15,87	25	15	13°	16,7	16,1
K0720.10	K0720.101	10	M10	48	28	14	10,5	19,05	29	15	13°	23,4	25,5
K0720.12	K0720.121	12	M12	54	32	16	12	22,22	33	19	13°	32	34,5
K0720.16	K0720.161	16	M16	66	42	21	15	28,57	40	22	15°	52,7	60,6
K0720.20	K0720.201	20	M20x1,5	78	50	25	18	34,92	47	28	15°	78,1	83,1
K0720.22	K0720.221	22	M22x1,5	84	54	28	20	38,1	51	26	15°	97,2	99,7

Rod ends with plain bearing

internal thread, stainless steel, DIN ISO 12240-4



Material:

Housing forged 1.4057 stainless steel.
Ball joint 1.4034 hardened and ground.
Bearing shell 1.4571 stainless steel.

Version:

Polished.

Sample order:

K0721.22

Note:

The rod end bearing is maintenance-free.
The connection dimensions comply with DIN 648 Form Series KJ.

KIPP Rod ends with plain bearing, internal thread, stainless steel, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	D2	D3	A	B	B1	H	H1	K	L	L1	SW	α	Dynamic base loads kN	Static base loads kN
K0721.05	K0721.051	5	M5	9	11	27	18	4	8	6	11,11	10	10	9	13°	7,5	11,8
K0721.06	K0721.061	6	M6	10	13	30	20	5	9	6,75	12,7	12	10	11	13°	9,3	13,1
K0721.08	K0721.081	8	M8	12,5	16	36	24	5	12	9	15,87	16	12	13	13°	16,7	20,7
K0721.10	K0721.101	10	M10	15	19	43	28	6,5	14	10,5	19,05	20	15	17	13°	23,4	28,3
K0721.10125	K0721.101251	10	M10x1,25	15	19	43	28	6,5	14	10,5	19,05	20	15	17	13°	23,4	28,3
K0721.12	K0721.121	12	M12	17,5	22	50	32	6,5	16	12	22,22	22	16	19	13°	32	34,5
K0721.12125	K0721.121251	12	M12x1,25	17,5	22	50	32	6,5	16	12	22,22	22	16	19	13°	32	34,5
K0721.16	K0721.161	16	M16	22	27	64	42	8	21	15	28,57	28	22	22	15°	52,7	60,6
K0721.1615	K0721.16151	16	M16x1,5	22	27	64	42	8	21	15	28,57	28	22	22	15°	52,7	60,6
K0721.20	K0721.201	20	M20x1,5	27,5	34	77	50	10	25	18	34,92	33	26	32	15°	78,1	83,1
K0721.22	K0721.221	22	M22x1,5	30	37	84	54	12	28	20	38,1	37	26	32	15°	97,2	99,7

Rod ends with plain bearing

external thread, narrow version, DIN ISO 12240-4



Material:

Housing size (D) 6-10 turned steel.

From size (D) 12 forged steel.

Ball joint ball bearing steel, hardened, ground, polished and hard chromed.

Bearing shell ball bearing steel with PTFE weave glued in.

Version:

Electro zinc-plated.

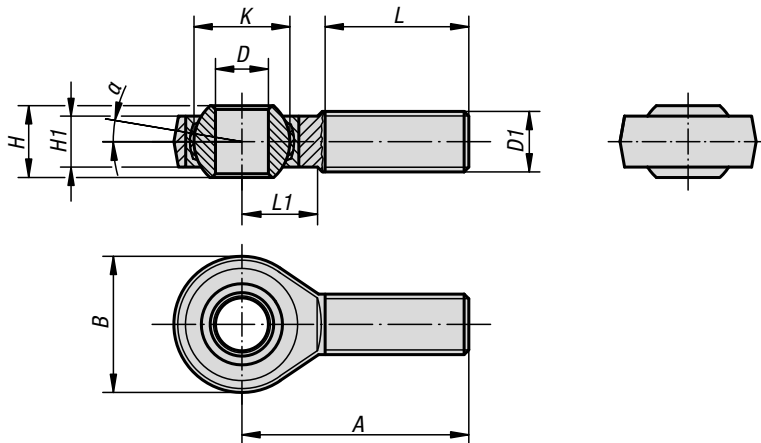
Sample order:

K0722.20

Note:

The rod end bearing is maintenance-free.

The connection dimensions comply with DIN 648 Form Series E.



KIPP Rod ends with plain bearing, external thread, narrow version, DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	A	B	H	H1	K	L	L1	α	Dynamic base loads kN	Static base loads kN
K0722.06	K0722.061	6 -0,008	M6	36	20	6	4,4	10	18	11	12°	3,6	8,2
K0722.08	K0722.081	8 -0,008	M8	42	24	8	6	13	22	12	12°	5,8	12,9
K0722.10	K0722.101	10 -0,008	M10	48	28	9	7	16	26	15	12°	8,6	17,6
K0722.12	K0722.121	12 -0,008	M12	54	34	10	8	18	28	15	8°	11,4	24,5
K0722.16	K0722.161	17 -0,008	M16	69	46	14	11	25	36	23	8°	22	45
K0722.20	K0722.201	20 -0,010	M20x1,5	78	53	16	13	29	43	25	8°	31,5	60

Rod ends with plain bearing

internal thread, narrow version, DIN ISO 12240-4



Material:

Housing size (D) 6-10 turned steel.
 From size (D) 12 forged steel.
 Ball joint ball bearing steel, hardened, ground, polished and hard chromed.
 Bearing shell ball bearing steel with PTFE weave glued in.

Version:

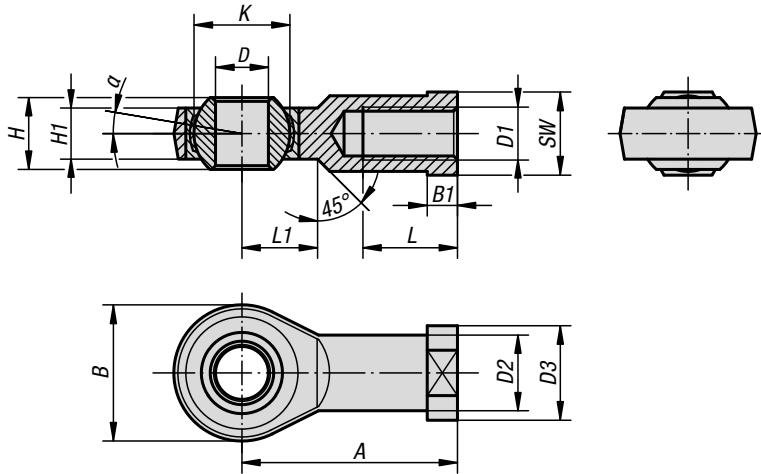
Electro zinc-plated.

Sample order:

K0723.12

Note:

The rod end bearing is maintenance-free.
 The connection dimensions comply with DIN 648 Form Series E.

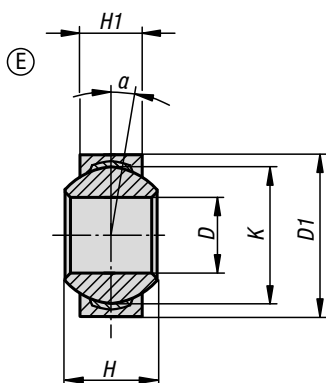
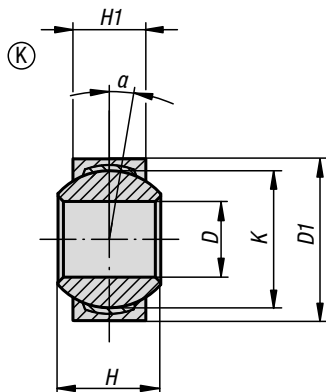


KIPP Rod ends with plain bearing, internal thread, narrow version, DIN ISO 12240-4

Order No. LH thread	Order No. RH thread	D	D1	D2	D3	A	B	B1	H	H1	K	L	L1	SW	α	Dynamic base loads kN	Static base loads kN
K0723.101	K0723.10	10 -0,008	M10	15	19	43	28	6,5	9	7	16	20	13	17	12°	8,6	17,6
K0723.121	K0723.12	12 -0,008	M12	17,5	22	50	34	6,5	10	8	18	22	15	19	8°	11,4	24,5
K0723.121251	K0723.12125	12 -0,008	M12x1,25	17,5	22	50	34	6,5	10	8	18	22	15	19	8°	11,4	24,5
K0723.061	K0723.06	6 -0,008	M6	10	13	30	20	5	6	4,4	10	12	11	11	12°	3,6	8,2
K0723.081	K0723.08	8 -0,008	M8	12,5	16	36	24	5	8	6	13	16	12	14	12°	5,8	12,9
K0723.161	K0723.16	17 -0,008	M16	24	30	67	46	10	14	11	25	33	20	27	8°	22	45
K0723.101251	K0723.10125	10 -0,008	M10x1,25	15	19	43	28	6,5	9	7	16	20	13	17	12°	8,6	17,6
K0723.201	K0723.20	20 -0,010	M20x1,5	27,5	35	77	53	10	16	13	29	38	23	32	8°	31,5	60

Spherical bearings K/E series

DIN ISO 12240-1



Material:

Bearing shell stainless steel 1.4571.
Ball joint stainless steel 1.4034.
Bearing surface PTFE/stainless steel insert.

Version:

Ground, polished.

Sample order:

K1324.10513

Note:

Suitable for high dynamic loads. The fitting dimensions comply with DIN ISO 12240-1 E/K.



KIPP Pivot bearings K series DIN ISO 12240-1

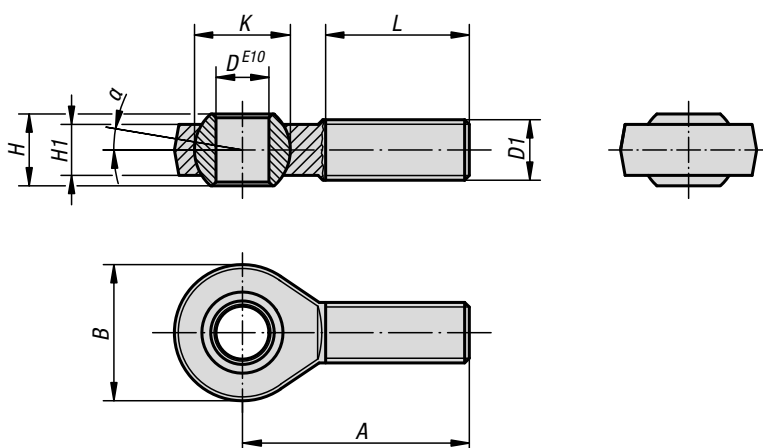
Order No.	D	D1	H	H1	K	α	Dynamic load rating N	Static load rating N	Speed limit rpm
K1324.10513	5 H7	13 h7	8	6	11,11	13°	7500	12500	600
K1324.10615	6 H7	15 h7	9	6,75	12,7	13°	9300	15500	530
K1324.10818	8 H7	18 h7	12	9	15,87	14°	16700	27800	420
K1324.11021	10 H7	21 h7	14	10,5	19,05	13°	23400	39000	350
K1324.11224	12 H7	24,5 h7	16	12	22,22	13°	32000	34500	300
K1324.11631	16 H7	31,5 h7	21	15	28,57	15°	52500	88000	230

KIPP Pivot bearings E series DIN ISO 12240-1

Order No.	D	D1	H	H1	K	α	Dynamic load rating N	Static load rating N
K1324.20614	6 -0,008	14 -0,008	6	4	10	13°	4000	9000
K1324.20816	8 -0,008	16 -0,008	8	5	13	15°	7000	15600
K1324.21019	10 -0,008	19 -0,009	9	6	16	12°	10000	23400
K1324.21222	12 -0,008	22 -0,009	10	7	18	11°	14000	32000
K1324.21630	16 -0,008	30 -0,009	14	10	25	10°	39000	65000

Rod ends igubal® with plain bearing

external thread, similar to DIN ISO 12240-4



Material:

Housing igumid® G.
Bearing seat iglidur® W300.

Version:

Black.

Sample order:

K1465.105

Note:

The rod end has very high rigidity under alternating stresses, it is insensitive to dirt, dust and lint, and is both corrosion and chemical resistant. It is ideal for rotary, oscillating and linear movements. The connection dimensions comply with DIN ISO 12240 series K.

Tolerances:

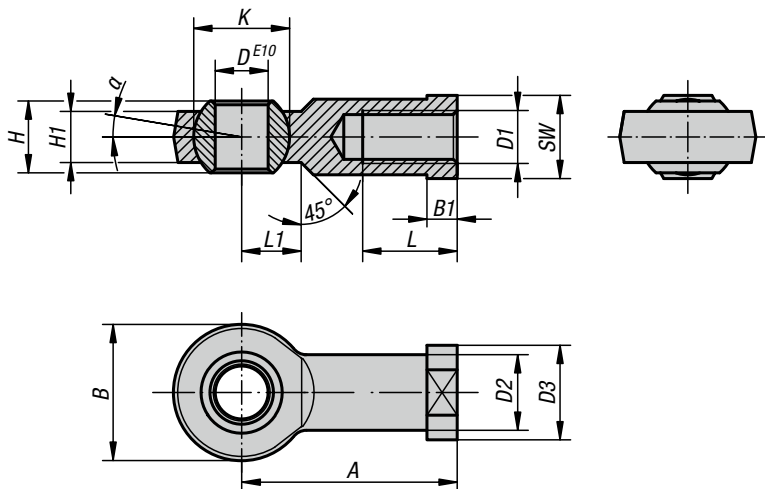
The bore of the inner ring has an E10 tolerance. The shaft tolerance should be between h6 and h9.

KIPP Rod ends igubal® with plain bearing external thread, similar to DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	A	B	H	H1	K	L	α	Max. static tensile stress N short-term	Max. static tensile stress N long-term	Max. transverse stress N short-term	Max. transverse stress N long-term
K1465.105	K1465.1051	5	M5	33	18	8	6	11,1	19	15°	800	400	80	40
K1465.106	K1465.1061	6	M6	36	20	9	7	12,7	21	14,5°	1000	500	100	50
K1465.108	K1465.1081	8	M8	42	24	12	9	15,8	25	12,5°	1700	850	200	100
K1465.110	K1465.1101	10	M10	48	30	14	10,5	19	28	12,5°	2500	1250	300	150
K1465.110125	K1465.1101251	10	M10x1,25	48	30	14	10,5	19	28	12,5°	2500	1250	300	150
K1465.112	K1465.1121	12	M12	54	34	16	12	22,2	32	12,5°	2700	1350	400	200
K1465.112125	K1465.1121251	12	M12x1,25	54	34	16	12	22,2	32	12,5°	2700	1350	400	200
K1465.114	K1465.1141	14	M14	61	38	19	13,5	25,25	36	12,5°	3400	1700	700	350
K1465.116	K1465.1161	16	M16	66	42	21	15	28,3	37	11,5°	3900	1950	800	400
K1465.116150	K1465.1161501	16	M16x1,5	66	42	21	15	28,3	37	11,5°	3900	1950	800	400
K1465.118150	K1465.1181501	18	M18x1,5	72	46	23	16,5	31,35	41	11,5°	4200	2100	1000	500
K1465.120	K1465.1201	20	M20	78	50	25	18	34,9	45	11,5°	6000	3000	1300	650
K1465.120150	K1465.1201501	20	M20x1,5	78	50	25	18	34,9	45	11,5°	6000	3000	1300	650

Rod ends igubal® with plain bearing

internal thread, similar to DIN ISO 12240-4



Material:
Housing igumid® G.
Bearing seat iglidur® W300.

Version:
Black.

Sample order:
K1466.106

KIPP Rod ends igubal® with plain bearing internal thread, similar to DIN ISO 12240-4

Order No. RH thread	Order No. LH thread	D	D1	D2	D3	A	B	B1	H	H1	K	L	L1	SW	α
K1466.104	K1466.1041	5	M4	9	12	27	18	4	8	6	11,1	10	9	9	15°
K1466.105	K1466.1051	5	M5	9	12	27	18	4	8	6	11,1	10	9	9	15°
K1466.106	K1466.1061	6	M6	10	13	30	20	5	9	7	12,7	12	10	11	14,5°
K1466.108	K1466.1081	8	M8	13	16	36	24	5	12	9	15,8	16	12	14	12,5°
K1466.110	K1466.1101	10	M10	15	19	43	30	6,5	14	10,5	19	20	14	17	12,5°
K1466.110125	K1466.1101251	10	M10x1,25	15	19	43	30	6,5	14	10,5	19	20	14	17	12,5°
K1466.112	K1466.1121	12	M12	18	22	50	34	6,5	16	12	22,2	22	16	17	12,5°
K1466.112125	K1466.1121251	12	M12x1,25	18	22	50	34	6,5	16	12	22,2	22	16	19	12,5°
K1466.114	K1466.1141	14	M14	20	25	57	38	8	19	13,5	25,25	25	18	22	11,5°
K1466.116	K1466.1161	16	M16	22	27	64	42	8	21	15	28,3	28	21	22	11,5°
K1466.116150	K1466.1161501	16	M16x1,5	22	27	64	42	8	21	15	28,3	28	21	22	11,5°
K1466.118150	K1466.1181501	18	M18x1,5	25	31	71	46	10	23	16,5	31,35	32	23	27	11,5°
K1466.120	K1466.1201	20	M20	28	34	77	50	10	25	18	34,9	33	25	30	11,5°
K1466.120150	K1466.1201501	20	M20x1,5	28	34	77	50	10	25	18	34,9	33	25	30	11,5°

Note:

The rod end has very high rigidity under alternating stresses, it is insensitive to dirt, dust and lint, and is both corrosion and chemical resistant. It is ideal for rotary, oscillating and linear movements. The connection dimensions comply DIN ISO 12240 series K.

Tolerances:

The bore of the inner ring has an E10 tolerance. The shaft tolerance should be between h6 and h9.

Order No. RH thread	Order No. LH thread	D1	Max. static tensile stress N short-term	Max. static tensile stress N long-term	Max. transverse stress N short-term	Max. transverse stress N long-term
K1466.104	K1466.1041	M4	1000	500	250	125
K1466.105	K1466.1051	M5	1000	500	250	125
K1466.106	K1466.1061	M6	1400	700	400	200
K1466.108	K1466.1081	M8	2100	1050	700	350
K1466.110	K1466.1101	M10	3100	1550	800	400
K1466.110125	K1466.1101251	M10x1,25	3100	1550	800	400
K1466.112	K1466.1121	M12	3600	1800	900	450
K1466.112125	K1466.1121251	M12x1,25	3600	1800	900	450
K1466.114	K1466.1141	M14	4000	2000	1000	500
K1466.116	K1466.1161	M16	4200	2100	1300	650
K1466.116150	K1466.1161501	M16x1,5	4200	2100	1300	650
K1466.118150	K1466.1181501	M18x1,5	4600	2300	1600	800
K1466.120	K1466.1201	M20	5400	2700	2100	1050
K1466.120150	K1466.1201501	M20x1,5	5400	2700	2100	1050