



## Handwheels 2-spoke

plastic



**Material:**

Handwheel, reinforced and stabilised polyamide.  
Centre caps, polyamide.  
Centre bushes, steel.

**Version:**

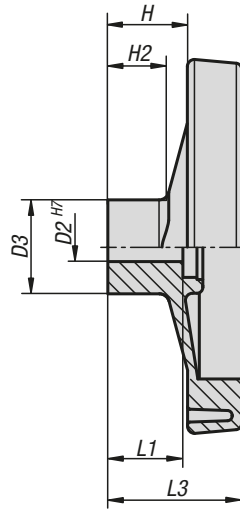
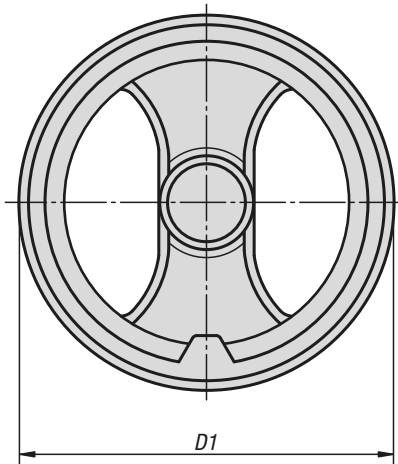
Handwheel, oil and grease resistant, black (RAL 9011), satin finish.  
Centre caps, grey (RAL 7035).  
Centre bushes, black oxidised.

**Sample order:**

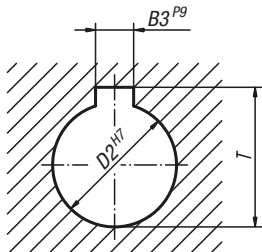
K0725.0080X08

**On request:**

Other cap colours.  
Special versions.



DIN 6885-1

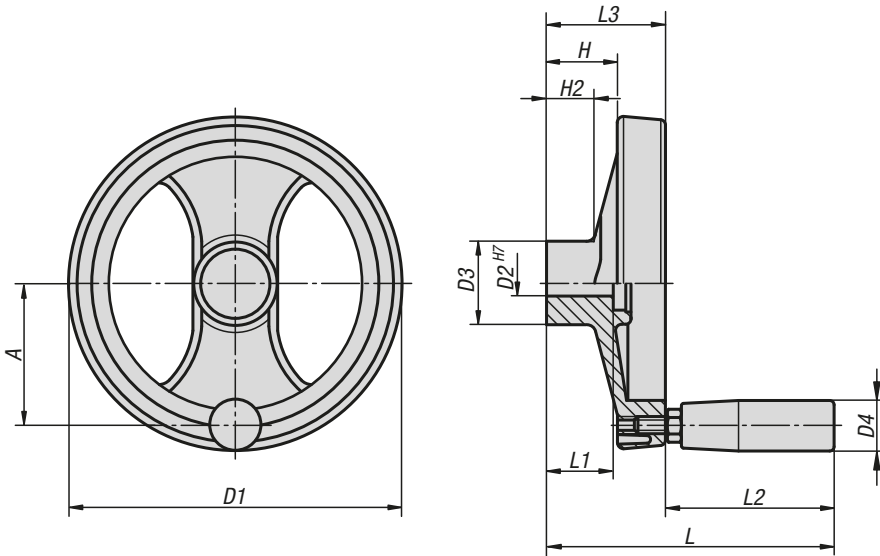


### KIPP Handwheels 2-spoke, plastic

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	H	H2	L1	L3	B3	T
K0725.0080X08	K0725.1080X08	80	8H7	24,5	20	16	20	34	-/2	-/9
K0725.0080X10	K0725.1080X10	80	10H7	24,5	20	16	20	34	-/3	-/11,4
K0725.0100X10	K0725.1100X10	99	10H7	28	25,5	20	24	42	-/3	-/11,4
K0725.0100X12	K0725.1100X12	99	12H7	28	25,5	20	24	42	-/4	-/13,8
K0725.0130X12	K0725.1130X12	129	12H7	32	30	21	24	50	-/4	-/13,8
K0725.0130X14	K0725.1130X14	129	14H7	32	30	21	24	50	-/5	-/16,3
K0725.0160X14	K0725.1160X14	159	14H7	40	33	22	32	57	-/5	-/16,3
K0725.0160X16	K0725.1160X16	159	16H7	40	33	22	32	57	-/5	-/18,3
K0725.0200X16	K0725.1200X16	198	16H7	51	31	17,5	32	60	-/5	-/18,3
K0725.0200X20	K0725.1200X20	198	20H7	51	31	17,5	32	60	-/6	-/22,8
K0725.0250X20	K0725.1250X20	252	20H7	55,5	39,5	24	36	71	-/6	-/22,8
K0725.0250X24	K0725.1250X24	252	24H7	55,5	39,5	24	36	71	-/8	-/27,3
K0725.0345X20	K0725.1345X20	346	20H7	67,5	42	24	32	79	-/6	-/22,8

## Handwheels 2-spoke

plastic, with revolving grip



**Material:**

Handwheel, reinforced and stabilised polyamide.  
 Centre caps, polyamide.  
 Centre bushes, steel.  
 Tapped insert for cylinder grip, brass.

**Version:**

Handwheel, oil and grease resistant, black (RAL 9011), satin finish.  
 Centre caps, grey (RAL 7035).  
 Centre bushes, black oxidised.

**Sample order:**

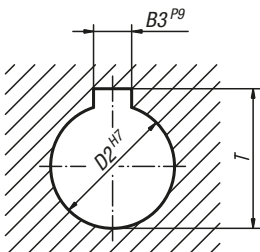
K0725.4080X08

**On request:**

Other cap colours.  
 Special versions.



DIN 6885-1



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

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	D4	H	H2	A	L	L1	L2	L3	B3	T
K0725.4080X08	K0725.5080X08	80	8H7	24,5	20	20	16	30	85	20	51	34	-/2	-/9
K0725.4080X10	K0725.5080X10	80	10H7	24,5	20	20	16	30	85	20	51	34	-/3	-/11,4
K0725.4100X10	K0725.5100X10	99	10H7	28	20	25,5	20	38	93	24	51	43	-/3	-/11,4
K0725.4100X12	K0725.5100X12	99	12H7	28	20	25,5	20	38	93	24	51	43	-/4	-/13,8
K0725.4130X12	K0725.5130X12	129	12H7	32	23	30	21	55	112	24	62	50	-/4	-/13,8
K0725.4130X14	K0725.5130X14	129	14H7	32	23	30	21	55	112	24	62	50	-/5	-/16,3
K0725.4160X14	K0725.5160X14	159	14H7	40	23	33	22	66	119	32	62	57	-/5	-/16,3
K0725.4160X16	K0725.5160X16	159	16H7	40	23	33	22	66	119	32	62	57	-/5	-/18,3
K0725.4200X16	K0725.5200X16	198	16H7	51	26	31	17,5	82	141	32	81	60	-/5	-/18,3
K0725.4200X20	K0725.5200X20	198	20H7	51	26	31	17,5	82	141	32	81	60	-/6	-/22,8
K0725.4250X20	K0725.5250X20	252	20H7	55,5	27	39,5	24	113	163	36	92	71	-/6	-/22,8
K0725.4250X24	K0725.5250X24	252	24H7	55,5	27	39,5	24	113	163	36	92	71	-/8	-/27,3
K0725.4345X20	K0725.5345X20	346	20H7	67,5	27	42	24	146	171	32	92	79	-/6	-/22,8

## Handwheels 2-spoke

plastic, with folding grip



**Material:**

Handwheel, reinforced and stabilised polyamide.  
Centre caps, polyamide.  
Centre bush and tapped insert for cylinder grip, steel.

**Version:**

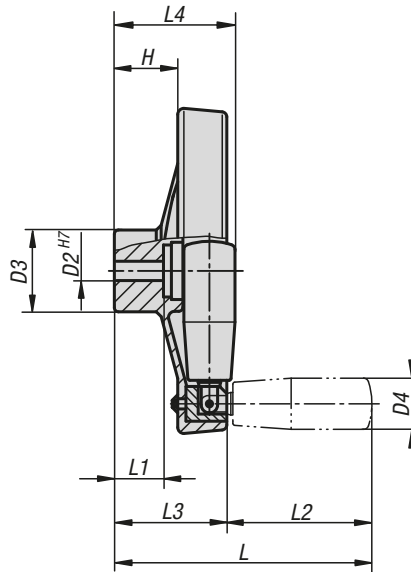
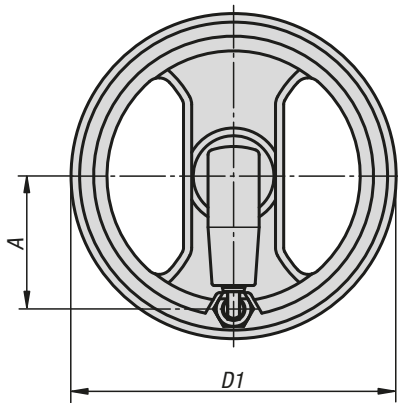
Handwheel, oil and grease resistant, black (RAL 9011), satin finish.  
Centre caps, grey (RAL 7035).  
Centre bush and taped insert for folding grip, black oxidised.

**Sample order:**

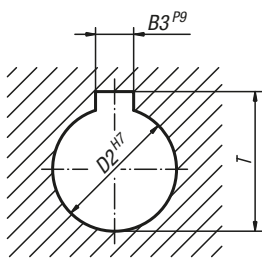
K0725.6130X12

**On request:**

Other cap colours.  
Special versions.

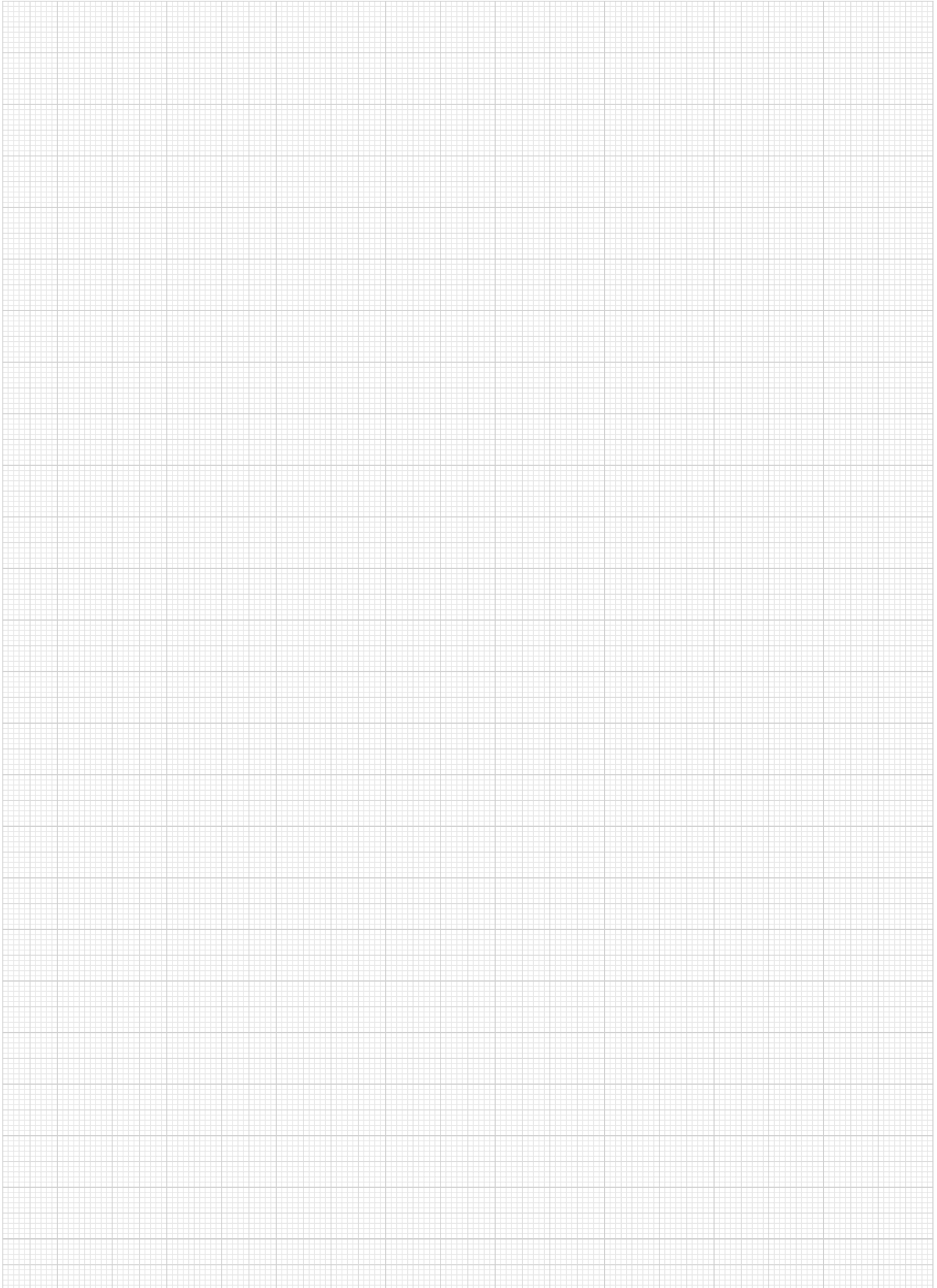


DIN 6885-1



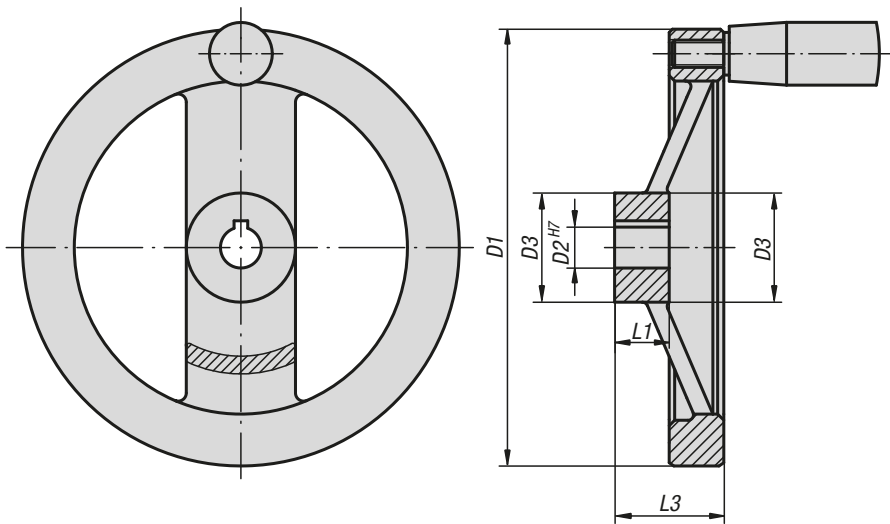
### KIPP Handwheels 2-spoke, plastic, with folding grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	D4	A	H	L	L1	L2	L3	L4	B3	T
K0725.6130X12	K0725.7130X12	129	12H7	32	20	51	29	111	20	59	52	53	-/4	-/13,8
K0725.6130X14	K0725.7130X14	129	14H7	32	20	51	29	111	20	59	52	53	-/5	-/16,3
K0725.6160X14	K0725.7160X14	159	14H7	40	25	65	31	126	24	71	55	59	-/5	-/16,3
K0725.6160X16	K0725.7160X16	159	16H7	40	25	65	31	126	24	71	55	59	-/5	-/18,3
K0725.6200X16	K0725.7200X16	200	16H7	54,5	27	80	33	160	28	91	69	69	-/5	-/18,3
K0725.6200X20	K0725.7200X20	200	20H7	54,5	27	80	33	160	28	91	69	69	-/6	-/22,8
K0725.6345X20	K0725.7345X20	346	20H7	67,5	27	148	43,5	144	32	91	80	80	-/6	-/22,8



# Handwheels 2-spoke

flat rim, aluminium



**Material:**

Handwheels aluminium.  
Cylinder grip black thermoset PF 31-DIN 7708, centre pin electro zinc-plated steel.

**Version:**

Wheel rim turned and polished.  
Radial and axial run-out of rim < IT 12.

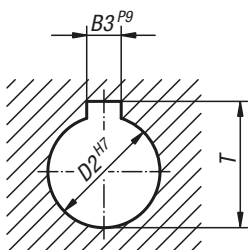
**Sample order:**

K0162.4080X10

**On request:**

Hubs with square socket or powder-coated handwheels.

DIN 6885-1



## KIPP Handwheels 2-spoke, aluminium, flat wheel rim, without grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T
K0162.0080X10	K0162.1080X10	80	10H7	24	16	28	-/3	-/11,4
K0162.0080X12	K0162.1080X12	80	12H7	24	16	28	-/4	-/13,8
K0162.0100X10	K0162.1100X10	100	10H7	26	17	33	-/3	-/11,4
K0162.0100X12	K0162.1100X12	100	12H7	26	17	33	-/4	-/13,8
K0162.0125X12	K0162.1125X12	125	12H7	31	18	33,5	-/4	-/13,8
K0162.0125X14	K0162.1125X14	125	14H7	31	18	33,5	-/5	-/16,3
K0162.0160X14	K0162.1160X14	160	14H7	40	20	39	-/5	-/16,3
K0162.0160X16	K0162.1160X16	160	16H7	40	20	39	-/5	-/18,3
K0162.0200X18	K0162.1200X18	200	18H7	42	24	45	-/6	-/20,8
K0162.0200X20	K0162.1200X20	200	20H7	42	24	45	-/6	-/22,8
K0162.0250X22	K0162.1250X22	250	22H7	48	28	51	-/6	-/24,8
K0162.0250X26	K0162.1250X26	250	26H7	48	28	51	-/8	-/29,3

## Handwheels 2-spoke

flat rim, aluminium



## KIPP Handwheels 2-spoke, aluminium, flat wheel rim, with fixed cylinder grip

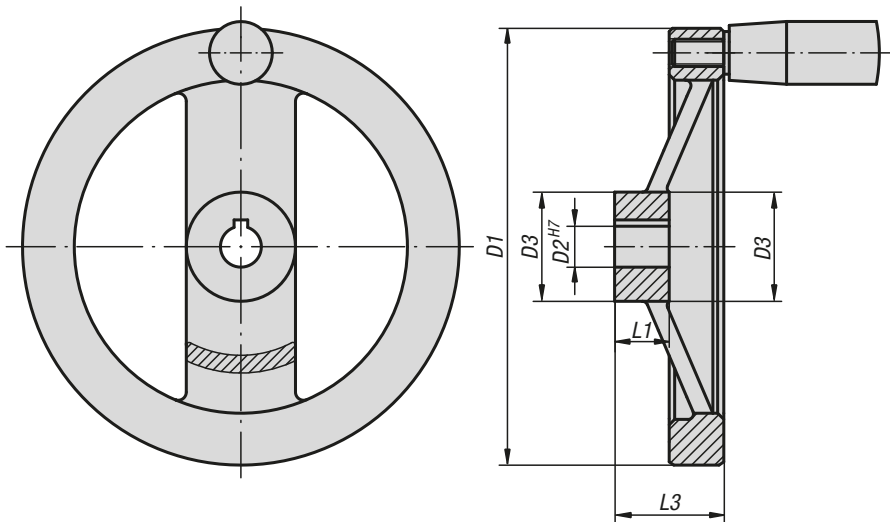
Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Fixed cylinder grip
K0162.2080X10	K0162.3080X10	80	10H7	24	16	28	-/3	-/11,4	ø18 x M6 x 40
K0162.2080X12	K0162.3080X12	80	12H7	24	16	28	-/4	-/13,8	ø18 x M6 x 40
K0162.2100X10	K0162.3100X10	100	10H7	26	17	33	-/3	-/11,4	ø18 x M6 x 40
K0162.2100X12	K0162.3100X12	100	12H7	26	17	33	-/4	-/13,8	ø18 x M6 x 40
K0162.2125X12	K0162.3125X12	125	12H7	31	18	33,5	-/4	-/13,8	ø21 x M8 x 50
K0162.2125X14	K0162.3125X14	125	14H7	31	18	33,5	-/5	-/16,3	ø21 x M8 x 50
K0162.2160X14	K0162.3160X14	160	14H7	40	20	39	-/5	-/16,3	ø26 x M10 x 80
K0162.2160X16	K0162.3160X16	160	16H7	40	20	39	-/5	-/18,3	ø26 x M10 x 80
K0162.2200X18	K0162.3200X18	200	18H7	42	24	45	-/6	-/20,8	ø26 x M10 x 80
K0162.2200X20	K0162.3200X20	200	20H7	42	24	45	-/6	-/22,8	ø26 x M10 x 80
K0162.2250X22	K0162.3250X22	250	22H7	48	28	51	-/6	-/24,8	ø28 x M12 x 90
K0162.2250X26	K0162.3250X26	250	26H7	48	28	51	-/8	-/29,3	ø28 x M12 x 90

## KIPP Handwheels 2-spoke, aluminium, flat wheel rim, with revolving cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Revolving cylinder grip
K0162.4080X10	K0162.5080X10	80	10H7	24	16	28	-/3	-/11,4	ø18 x M6 x 40
K0162.4080X12	K0162.5080X12	80	12H7	24	16	28	-/4	-/13,8	ø18 x M6 x 40
K0162.4100X10	K0162.5100X10	100	10H7	26	17	33	-/3	-/11,4	ø18 x M6 x 40
K0162.4100X12	K0162.5100X12	100	12H7	26	17	33	-/4	-/13,8	ø18 x M6 x 40
K0162.4125X12	K0162.5125X12	125	12H7	31	18	33,5	-/4	-/13,8	ø22 x M8 x 56
K0162.4125X14	K0162.5125X14	125	14H7	31	18	33,5	-/5	-/16,3	ø22 x M8 x 56
K0162.4160X14	K0162.5160X14	160	14H7	40	20	39	-/5	-/16,3	ø26 x M10 x 80
K0162.4160X16	K0162.5160X16	160	16H7	40	20	39	-/5	-/18,3	ø26 x M10 x 80
K0162.4200X18	K0162.5200X18	200	18H7	42	24	45	-/6	-/20,8	ø26 x M10 x 80
K0162.4200X20	K0162.5200X20	200	20H7	42	24	45	-/6	-/22,8	ø26 x M10 x 80
K0162.4250X22	K0162.5250X22	250	22H7	48	28	51	-/6	-/24,8	ø31 x M12 x 102
K0162.4250X26	K0162.5250X26	250	26H7	48	28	51	-/8	-/29,3	ø31 x M12 x 102

## Handwheels 2-spoke

flat rim, aluminium



**Material:**

Handwheels aluminium.  
Cylinder grip black thermoset PF 31-DIN 7708,  
centre pin electro zinc-plated steel.

**Version:**

Black, powder-coated.  
Wheel rim turned.  
Radial and axial run-out of rim < IT 12.

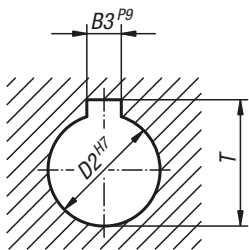
**Sample order:**

K0162.01080X10

**On request:**

Hubs with square socket.

DIN 6885-1



### KIPP Handwheels 2-spoke, aluminium, flat wheel rim, without grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T
K0162.01080X10	K0162.11080X10	80	10H7	24	16	28	-/3	-/11,4
K0162.01080X12	K0162.11080X12	80	12H7	24	16	28	-/4	-/13,8
K0162.01100X10	K0162.11100X10	100	10H7	26	17	33	-/3	-/11,4
K0162.01100X12	K0162.11100X12	100	12H7	26	17	33	-/4	-/13,8
K0162.01125X12	K0162.11125X12	125	12H7	31	18	33,5	-/4	-/13,8
K0162.01125X14	K0162.11125X14	125	14H7	31	18	33,5	-/5	-/16,3
K0162.01160X14	K0162.11160X14	160	14H7	40	20	39	-/5	-/16,3
K0162.01160X16	K0162.11160X16	160	16H7	40	20	39	-/5	-/18,3
K0162.01200X18	K0162.11200X18	200	18H7	42	24	45	-/6	-/20,8
K0162.01200X20	K0162.11200X20	200	20H7	42	24	45	-/6	-/22,8
K0162.01250X22	K0162.11250X22	250	22H7	48	28	51	-/6	-/24,8
K0162.01250X26	K0162.11250X26	250	26H7	48	28	51	-/8	-/29,3



## Handwheels 2-spoke

flat rim, aluminium



## KIPP Handwheels 2-spoke, aluminium, flat wheel rim, with fixed cylinder grip

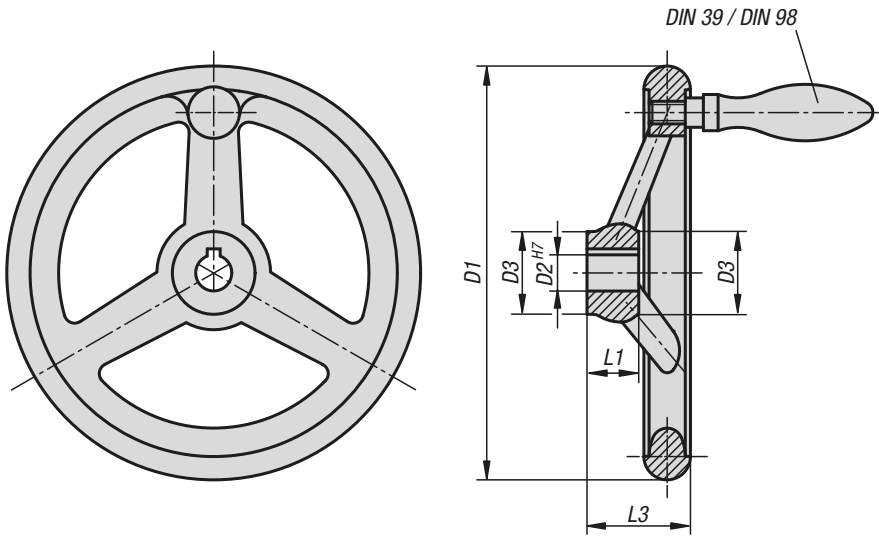
Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Fixed cylinder grip
K0162.21080X10	K0162.31080X10	80	10H7	24	16	28	-/3	-/11,4	ø18 x M6 x 40
K0162.21080X12	K0162.31080X12	80	12H7	24	16	28	-/4	-/13,8	ø18 x M6 x 40
K0162.21100X10	K0162.31100X10	100	10H7	26	17	33	-/3	-/11,4	ø18 x M6 x 40
K0162.21100X12	K0162.31100X12	100	12H7	26	17	33	-/4	-/13,8	ø18 x M6 x 40
K0162.21125X12	K0162.31125X12	125	12H7	31	18	33,5	-/4	-/13,8	ø21 x M8 x 50
K0162.21125X14	K0162.31125X14	125	14H7	31	18	33,5	-/5	-/16,3	ø21 x M8 x 50
K0162.21160X14	K0162.31160X14	160	14H7	40	20	39	-/5	-/16,3	ø26 x M10 x 80
K0162.21160X16	K0162.31160X16	160	16H7	40	20	39	-/5	-/18,3	ø26 x M10 x 80
K0162.21200X18	K0162.31200X18	200	18H7	42	24	45	-/6	-/20,8	ø26 x M10 x 80
K0162.21200X20	K0162.31200X20	200	20H7	42	24	45	-/6	-/22,8	ø26 x M10 x 80
K0162.21250X22	K0162.31250X22	250	22H7	48	28	51	-/6	-/24,8	ø28 x M12 x 90
K0162.21250X26	K0162.31250X26	250	26H7	48	28	51	-/8	-/29,3	ø28 x M12 x 90

## KIPP Handwheels 2-spoke, aluminium, flat wheel rim, with revolving cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Revolving cylinder grip
K0162.41080X10	K0162.51080X10	80	10H7	24	16	28	-/3	-/11,4	ø18 x M6 x 40
K0162.41080X12	K0162.51080X12	80	12H7	24	16	28	-/4	-/13,8	ø18 x M6 x 40
K0162.41100X10	K0162.51100X10	100	10H7	26	17	33	-/3	-/11,4	ø18 x M6 x 40
K0162.41100X12	K0162.51100X12	100	12H7	26	17	33	-/4	-/13,8	ø18 x M6 x 40
K0162.41125X12	K0162.51125X12	125	12H7	31	18	33,5	-/4	-/13,8	ø22 x M8 x 56
K0162.41125X14	K0162.51125X14	125	14H7	31	18	33,5	-/5	-/16,3	ø22 x M8 x 56
K0162.41160X14	K0162.51160X14	160	14H7	40	20	39	-/5	-/16,3	ø26 x M10 x 80
K0162.41160X16	K0162.51160X16	160	16H7	40	20	39	-/5	-/18,3	ø26 x M10 x 80
K0162.41200X18	K0162.51200X18	200	18H7	42	24	45	-/6	-/20,8	ø26 x M10 x 80
K0162.41200X20	K0162.51200X20	200	20H7	42	24	45	-/6	-/22,8	ø26 x M10 x 80
K0162.41250X22	K0162.51250X22	250	22H7	48	28	51	-/6	-/24,8	ø31 x M12 x 102
K0162.41250X26	K0162.51250X26	250	26H7	48	28	51	-/8	-/29,3	ø31 x M12 x 102

## Handwheels

DIN 950 grey cast iron



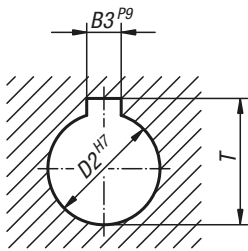
**Material:**  
Handwheel, grey cast iron.  
Grip steel.

**Version:**  
Wheel rim turned and polished.  
Radial and axial run-out of rim < IT 12.

**Sample order:**  
K0671.4080X10

**On request:**  
Hubs with square socket or powder-coated handwheels.

DIN 6885-1



### KIPP Handwheels DIN 950 grey cast iron, without grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No. of spokes
K0671.0080X10	K0671.1080X10	80	10H7	25	16	29	-/3	-/11,4	3
K0671.0080X12	K0671.1080X12	80	12H7	25	16	29	-/4	-/13,8	3
K0671.0100X10	K0671.1100X10	100	10H7	26	17	33	-/3	-/11,4	3
K0671.0100X12	K0671.1100X12	100	12H7	26	17	33	-/4	-/13,8	3
K0671.0125X12	K0671.1125X12	125	12H7	33	18	36	-/4	-/13,8	3
K0671.0125X14	K0671.1125X14	125	14H7	33	18	36	-/5	-/16,3	3
K0671.0140X14	K0671.1140X14	140	14H7	33	19	39	-/5	-/16,3	3
K0671.0140X16	K0671.1140X16	140	16H7	33	19	39	-/5	-/18,3	3
K0671.0160X14	K0671.1160X14	160	14H7	37	20	40	-/5	-/16,3	3
K0671.0160X16	K0671.1160X16	160	16H7	37	20	40	-/5	-/18,3	3
K0671.0180X16	K0671.1180X16	180	16H7	36	22	43	-/5	-/18,3	3
K0671.0180X18	K0671.1180X18	180	18H7	36	22	43	-/6	-/20,8	3
K0671.0200X18	K0671.1200X18	200	18H7	38	24	45	-/6	-/20,8	3
K0671.0200X22	K0671.1200X22	200	22H7	38	24	45	-/6	-/24,8	3
K0671.0250X22	K0671.1250X22	250	22H7	46	28	50	-/6	-/24,8	5
K0671.0250X26	K0671.1250X26	250	26H7	46	28	50	-/8	-/29,3	5
K0671.0315X26	K0671.1315X26	315	26H7	54	33	56	-/8	-/29,3	5
K0671.0315X30	K0671.1315X30	315	30H7	54	33	56	-/8	-/33,3	5
K0671.0400X30	K0671.1400X30	400	30H7	68	38	63	-/8	-/33,3	5
K0671.0400X34	K0671.1400X34	400	34H7	68	38	63	-/10	-/37,3	5
K0671.0500X34	K0671.1500X34	500	34H7	79	45	72	-/10	-/37,3	5
K0671.0500X40	K0671.1500X40	500	40H7	79	45	72	-/12	-/43,3	5

# Handwheels

DIN 950 grey cast iron

## KIPP Handwheels DIN 950 grey cast iron, with fixed grip

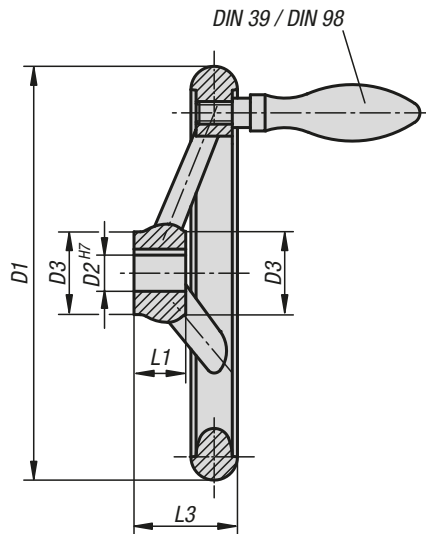
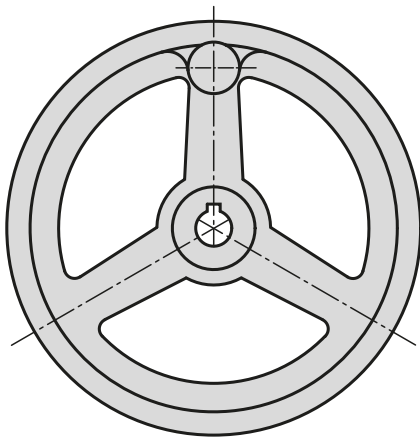
Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No.of spokes	fixed grip DIN 39 Form E
K0671.2080X10	K0671.3080X10	80	10H7	25	16	29	-/3	-/11,4	3	ø16 x M6 x 50
K0671.2080X12	K0671.3080X12	80	12H7	25	16	29	-/4	-/13,8	3	ø16 x M6 x 50
K0671.2100X10	K0671.3100X10	100	10H7	26	17	33	-/3	-/11,4	3	ø16 x M6 x 50
K0671.2100X12	K0671.3100X12	100	12H7	26	17	33	-/4	-/13,8	3	ø16 x M6 x 50
K0671.2125X12	K0671.3125X12	125	12H7	33	18	36	-/4	-/13,8	3	ø20 x M8 x 64
K0671.2125X14	K0671.3125X14	125	14H7	33	18	36	-/5	-/16,3	3	ø20 x M8 x 64
K0671.2140X14	K0671.3140X14	140	14H7	33	19	39	-/5	-/16,3	3	ø20 x M8 x 64
K0671.2140X16	K0671.3140X16	140	16H7	33	19	39	-/5	-/18,3	3	ø20 x M8 x 64
K0671.2160X14	K0671.3160X14	160	14H7	37	20	40	-/5	-/16,3	3	ø25 x M10 x 80
K0671.2160X16	K0671.3160X16	160	16H7	37	20	40	-/5	-/18,3	3	ø25 x M10 x 80
K0671.2180X16	K0671.3180X16	180	16H7	36	22	43	-/5	-/18,3	3	ø25 x M10 x 80
K0671.2180X18	K0671.3180X18	180	18H7	36	22	43	-/6	-/20,8	3	ø25 x M10 x 80
K0671.2200X18	K0671.3200X18	200	18H7	38	24	45	-/6	-/20,8	3	ø25 x M10 x 80
K0671.2200X22	K0671.3200X22	200	22H7	38	24	45	-/6	-/24,8	3	ø25 x M10 x 80
K0671.2250X22	K0671.3250X22	250	22H7	46	28	50	-/6	-/24,8	5	ø32 x M12 x 100
K0671.2250X26	K0671.3250X26	250	26H7	46	28	50	-/8	-/29,3	5	ø32 x M12 x 100
K0671.2315X26	K0671.3315X26	315	26H7	54	33	56	-/8	-/29,3	5	ø32 x M12 x 100
K0671.2315X30	K0671.3315X30	315	30H7	54	33	56	-/8	-/33,3	5	ø32 x M12 x 100
K0671.2400X30	K0671.3400X30	400	30H7	68	38	63	-/8	-/33,3	5	ø36 x M16 x 112
K0671.2400X34	K0671.3400X34	400	34H7	68	38	63	-/10	-/37,3	5	ø36 x M16 x 112
K0671.2500X34	K0671.3500X34	500	34H7	79	45	72	-/10	-/37,3	5	ø36 x M16 x 112
K0671.2500X40	K0671.3500X40	500	40H7	79	45	72	-/12	-/43,3	5	ø36 x M16 x 112

## KIPP Handwheels DIN 950 grey cast iron, with revolving grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No.of spokes	revolving grip DIN 98 Form E
K0671.4080X10	K0671.5080X10	80	10H7	25	16	29	-/3	-/11,4	3	ø16 x M6 x 54,5
K0671.4080X12	K0671.5080X12	80	12H7	25	16	29	-/4	-/13,8	3	ø16 x M6 x 54,5
K0671.4100X10	K0671.5100X10	100	10H7	26	17	33	-/3	-/11,4	3	ø16 x M6 x 54,5
K0671.4100X12	K0671.5100X12	100	12H7	26	17	33	-/4	-/13,8	3	ø16 x M6 x 54,5
K0671.4125X12	K0671.5125X12	125	12H7	33	18	36	-/4	-/13,8	3	ø20 x M8 x 67
K0671.4125X14	K0671.5125X14	125	14H7	33	18	36	-/5	-/16,3	3	ø20 x M8 x 67
K0671.4140X14	K0671.5140X14	140	14H7	33	19	39	-/5	-/16,3	3	ø20 x M8 x 67
K0671.4140X16	K0671.5140X16	140	16H7	33	19	39	-/5	-/18,3	3	ø20 x M8 x 67
K0671.4160X14	K0671.5160X14	160	14H7	37	20	40	-/5	-/16,3	3	ø25 x M10 x 83
K0671.4160X16	K0671.5160X16	160	16H7	37	20	40	-/5	-/18,3	3	ø25 x M10 x 83
K0671.4180X16	K0671.5180X16	180	16H7	36	22	43	-/5	-/18,3	3	ø25 x M10 x 83
K0671.4180X18	K0671.5180X18	180	18H7	36	22	43	-/6	-/20,8	3	ø25 x M10 x 83
K0671.4200X18	K0671.5200X18	200	18H7	38	24	45	-/6	-/20,8	3	ø25 x M10 x 83
K0671.4200X22	K0671.5200X22	200	22H7	38	24	45	-/6	-/24,8	3	ø25 x M10 x 83
K0671.4250X22	K0671.5250X22	250	22H7	46	28	50	-/6	-/24,8	5	ø32 x M12 x 105,5
K0671.4250X26	K0671.5250X26	250	26H7	46	28	50	-/8	-/29,3	5	ø32 x M12 x 105,5
K0671.4315X26	K0671.5315X26	315	26H7	54	33	56	-/8	-/29,3	5	ø32 x M12 x 105,5
K0671.4315X30	K0671.5315X30	315	30H7	54	33	56	-/8	-/33,3	5	ø32 x M12 x 105,5
K0671.4400X30	K0671.5400X30	400	30H7	68	38	63	-/8	-/33,3	5	ø36 x M16 x 117
K0671.4400X34	K0671.5400X34	400	34H7	68	38	63	-/10	-/37,3	5	ø36 x M16 x 117
K0671.4500X34	K0671.5500X34	500	34H7	79	45	72	-/10	-/37,3	5	ø36 x M16 x 117
K0671.4500X40	K0671.5500X40	500	40H7	79	45	72	-/12	-/43,3	5	ø36 x M16 x 117

## Handwheels

DIN 950, aluminium



**Material:**

Handwheel aluminium.

Fixed grip aluminium, centre pin black oxidised steel.

Revolving grip aluminium, centre pin trivalent blue passivated steel.

**Version:**

Wheel rim turned and polished.

Radial and axial run-out of rim < IT 12.

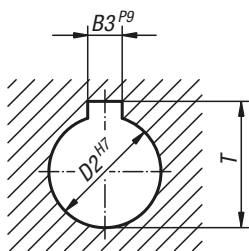
**Sample order:**

K0160.4080X10

**On request:**

Hubs with square socket or powder-coated handwheels.

DIN 6885-1



### KIPP Handwheels DIN 950 aluminium, without grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No.of spokes
K0160.0080X10	K0160.1080X10	80	10H7	25	16	29	-/3	-/11,4	3
K0160.0080X12	K0160.1080X12	80	12H7	25	16	29	-/4	-/13,8	3
K0160.0100X10	K0160.1100X10	100	10H7	29	17	33	-/3	-/11,4	3
K0160.0100X12	K0160.1100X12	100	12H7	29	17	33	-/4	-/13,8	3
K0160.0125X12	K0160.1125X12	125	12H7	31	18	36	-/4	-/13,8	3
K0160.0125X14	K0160.1125X14	125	14H7	31	18	36	-/5	-/16,3	3
K0160.0140X14	K0160.1140X14	140	14H7	36	19	39	-/5	-/16,3	3
K0160.0140X16	K0160.1140X16	140	16H7	36	19	39	-/5	-/18,3	3
K0160.0160X14	K0160.1160X14	160	14H7	36	20	40	-/5	-/16,3	3
K0160.0160X16	K0160.1160X16	160	16H7	36	20	40	-/5	-/18,3	3
K0160.0180X16	K0160.1180X16	180	16H7	37	22	43	-/5	-/18,3	3
K0160.0180X18	K0160.1180X18	180	18H7	37	22	43	-/6	-/20,8	3
K0160.0200X18	K0160.1200X18	200	18H7	43	24	45	-/6	-/20,8	3
K0160.0200X22	K0160.1200X22	200	22H7	43	24	45	-/6	-/24,8	3
K0160.0250X22	K0160.1250X22	250	22H7	49	28	50	-/6	-/24,8	5
K0160.0250X26	K0160.1250X26	250	26H7	49	28	50	-/8	-/29,3	5
K0160.0315X26	K0160.1315X26	315	26H7	54	33	56	-/8	-/29,3	5
K0160.0315X30	K0160.1315X30	315	30H7	54	33	56	-/8	-/33,3	5
K0160.0400X30	K0160.1400X30	400	30H7	65	38	63	-/8	-/33,3	5
K0160.0400X34	K0160.1400X34	400	34H7	65	38	63	-/10	-/37,3	5
K0160.0500X34	K0160.1500X34	500	34H7	79	45	72	-/10	-/37,3	5
K0160.0500X40	K0160.1500X40	500	40H7	79	45	72	-/12	-/43,3	5

# Handwheels

DIN 950, aluminium

## KIPP Handwheels DIN 950 aluminium, with fixed grip

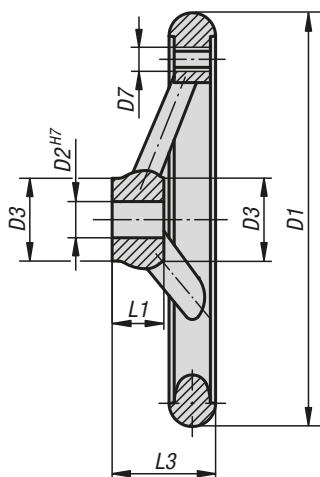
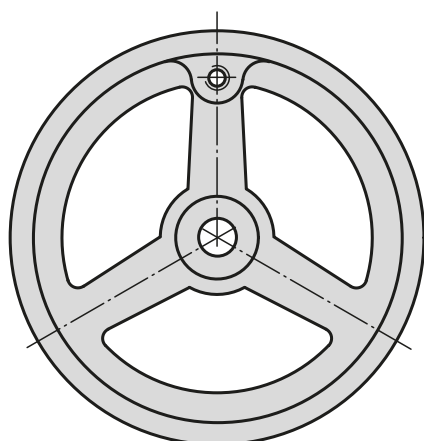
Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No.of spokes	fixed grip DIN 39 Form E
K0160.2080X10	K0160.3080X10	80	10H7	25	16	29	-/3	-/11,4	3	ø16 x M6 x 50
K0160.2080X12	K0160.3080X12	80	12H7	25	16	29	-/4	-/13,8	3	ø16 x M6 x 50
K0160.2100X10	K0160.3100X10	100	10H7	29	17	33	-/3	-/11,4	3	ø16 x M6 x 50
K0160.2100X12	K0160.3100X12	100	12H7	29	17	33	-/4	-/13,8	3	ø16 x M6 x 50
K0160.2125X12	K0160.3125X12	125	12H7	31	18	36	-/4	-/13,8	3	ø20 x M8 x 64
K0160.2125X14	K0160.3125X14	125	14H7	31	18	36	-/5	-/16,3	3	ø20 x M8 x 64
K0160.2140X14	K0160.3140X14	140	14H7	36	19	39	-/5	-/16,3	3	ø20 x M8 x 64
K0160.2140X16	K0160.3140X16	140	16H7	36	19	39	-/5	-/18,3	3	ø20 x M8 x 64
K0160.2160X14	K0160.3160X14	160	14H7	36	20	40	-/5	-/16,3	3	ø25 x M10 x 80
K0160.2160X16	K0160.3160X16	160	16H7	36	20	40	-/5	-/18,3	3	ø25 x M10 x 80
K0160.2180X16	K0160.3180X16	180	16H7	37	22	43	-/5	-/18,3	3	ø25 x M10 x 80
K0160.2180X18	K0160.3180X18	180	18H7	37	22	43	-/6	-/20,8	3	ø25 x M10 x 80
K0160.2200X18	K0160.3200X18	200	18H7	43	24	45	-/6	-/20,8	3	ø25 x M10 x 80
K0160.2200X22	K0160.3200X22	200	22H7	43	24	45	-/6	-/24,8	3	ø25 x M10 x 80
K0160.2250X22	K0160.3250X22	250	22H7	49	28	50	-/6	-/24,8	5	ø32 x M12 x 100
K0160.2250X26	K0160.3250X26	250	26H7	49	28	50	-/8	-/29,3	5	ø32 x M12 x 100
K0160.2315X26	K0160.3315X26	315	26H7	54	33	56	-/8	-/29,3	5	ø32 x M12 x 100
K0160.2315X30	K0160.3315X30	315	30H7	54	33	56	-/8	-/33,3	5	ø32 x M12 x 100
K0160.2400X30	K0160.3400X30	400	30H7	65	38	63	-/8	-/33,3	5	ø36 x M16 x 112
K0160.2400X34	K0160.3400X34	400	34H7	65	38	63	-/10	-/37,3	5	ø36 x M16 x 112
K0160.2500X34	K0160.3500X34	500	34H7	79	45	72	-/10	-/37,3	5	ø36 x M16 x 112
K0160.2500X40	K0160.3500X40	500	40H7	79	45	72	-/12	-/43,3	5	ø36 x M16 x 112

## KIPP Handwheels DIN 950 aluminium, with revolving grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	No.of spokes	revolving grip DIN 98 Form E
K0160.4080X10	K0160.5080X10	80	10H7	25	16	29	-/3	-/11,4	3	ø16 x M6 x 54,5
K0160.4080X12	K0160.5080X12	80	12H7	25	16	29	-/4	-/13,8	3	ø16 x M6 x 54,5
K0160.4100X10	K0160.5100X10	100	10H7	29	17	33	-/3	-/11,4	3	ø16 x M6 x 54,5
K0160.4100X12	K0160.5100X12	100	12H7	29	17	33	-/4	-/13,8	3	ø16 x M6 x 54,5
K0160.4125X12	K0160.5125X12	125	12H7	31	18	36	-/4	-/13,8	3	ø20 x M8 x 67
K0160.4125X14	K0160.5125X14	125	14H7	31	18	36	-/5	-/16,3	3	ø20 x M8 x 67
K0160.4140X14	K0160.5140X14	140	14H7	36	19	39	-/5	-/16,3	3	ø20 x M8 x 67
K0160.4140X16	K0160.5140X16	140	16H7	36	19	39	-/5	-/18,3	3	ø20 x M8 x 67
K0160.4160X14	K0160.5160X14	160	14H7	36	20	40	-/5	-/16,3	3	ø25 x M10 x 83
K0160.4160X16	K0160.5160X16	160	16H7	36	20	40	-/5	-/18,3	3	ø25 x M10 x 83
K0160.4180X16	K0160.5180X16	180	16H7	37	22	43	-/5	-/18,3	3	ø25 x M10 x 83
K0160.4180X18	K0160.5180X18	180	18H7	37	22	43	-/6	-/20,8	3	ø25 x M10 x 83
K0160.4200X18	K0160.5200X18	200	18H7	43	24	45	-/6	-/20,8	3	ø25 x M10 x 83
K0160.4200X22	K0160.5200X22	200	22H7	43	24	45	-/6	-/24,8	3	ø25 x M10 x 83
K0160.4250X22	K0160.5250X22	250	22H7	49	28	50	-/6	-/24,8	5	ø32 x M12 x 105,5
K0160.4250X26	K0160.5250X26	250	26H7	49	28	50	-/8	-/29,3	5	ø32 x M12 x 105,5
K0160.4315X26	K0160.5315X26	315	26H7	54	33	56	-/8	-/29,3	5	ø32 x M12 x 105,5
K0160.4315X30	K0160.5315X30	315	30H7	54	33	56	-/8	-/33,3	5	ø32 x M12 x 105,5
K0160.4400X30	K0160.5400X30	400	30H7	65	38	63	-/8	-/33,3	5	ø36 x M16 x 117
K0160.4400X34	K0160.5400X34	400	34H7	65	38	63	-/10	-/37,3	5	ø36 x M16 x 117
K0160.4500X34	K0160.5500X34	500	34H7	79	45	72	-/10	-/37,3	5	ø36 x M16 x 117
K0160.4500X40	K0160.5500X40	500	40H7	79	45	72	-/12	-/43,3	5	ø36 x M16 x 117

## Handwheels

DIN 950, stainless steel

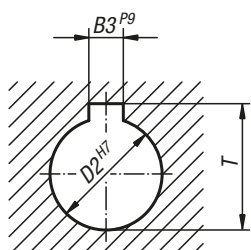


**Material:**  
Stainless steel 1.4401.

**Version:**  
Wheel rim turned  
and polished

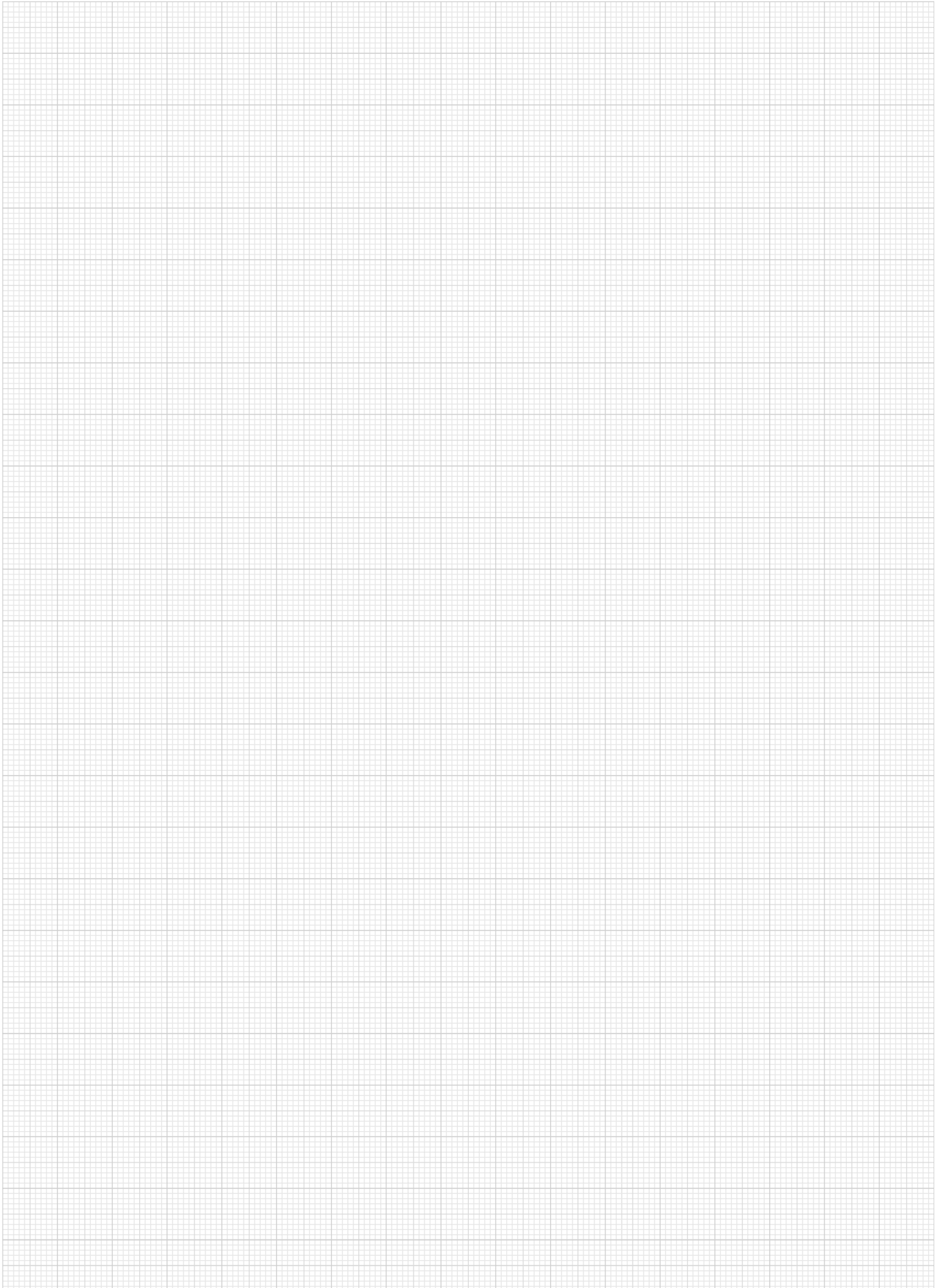
**Sample order:**  
K1208.0100X10

DIN 6885-1



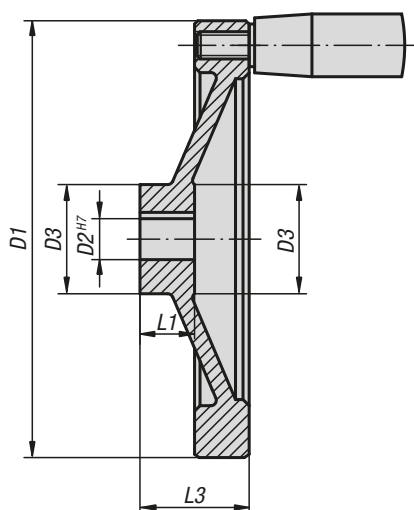
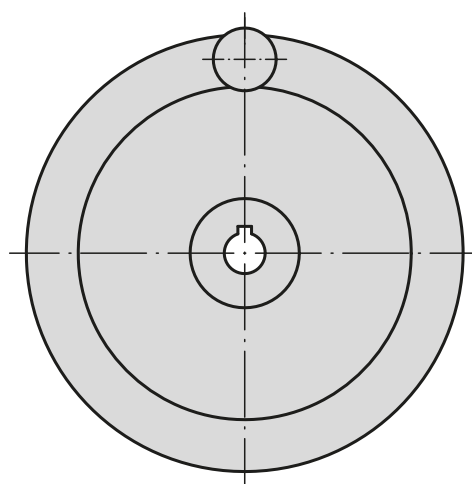
### KIPP Handwheels DIN 950, stainless steel

Order No.	Version 1	D1	D2	D3	D7	L1	L3	B3	T	No. of spokes
K1208.0100X10	reamed hole	100	10H7	26	M6	17	33	-	-	3
K1208.0125X12	reamed hole	125	12H7	28	M8	18	36	-	-	3
K1208.0160X16	reamed hole	160	16H7	32	M10	20	40	-	-	3
K1208.0200X18	reamed hole	200	18H7	38	M10	24	45	-	-	3
K1208.1100X10	reamed hole with slot	100	10H7	26	M6	17	33	3	11,4	3
K1208.1125X12	reamed hole with slot	125	12H7	28	M8	18	36	4	13,8	3
K1208.1160X16	reamed hole with slot	160	16H7	32	M10	20	40	5	18,3	3
K1208.1200X18	reamed hole with slot	200	18H7	38	M10	24	45	6	20,8	3



## Handwheels disc

aluminium



**Material:**

Disc handwheel aluminium.  
Cylinder grip black thermoset PF 31-DIN 7708.  
Hub electro zinc-plated steel.

**Version:**

Wheel rim turned and polished.  
Radial and axial run-out of rim < IT 12.

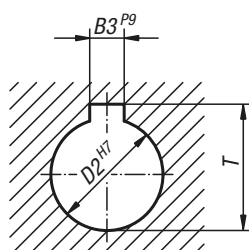
**Sample order:**

K0161.4080X10

**On request:**

Hubs with square socket or powder-coated handwheels.

DIN 6885-1



### KIPP Handwheels disc, aluminium, without grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T
K0161.0080X10	K0161.1080X10	80	10H7	26	16	31	-/3	-/11,4
K0161.0080X12	K0161.1080X12	80	12H7	26	16	31	-/4	-/13,8
K0161.0100X10	K0161.1100X10	100	10H7	31	17	34	-/3	-/11,4
K0161.0100X12	K0161.1100X12	100	12H7	31	17	34	-/4	-/13,8
K0161.0125X12	K0161.1125X12	125	12H7	30	18	37	-/4	-/13,8
K0161.0125X14	K0161.1125X14	125	14H7	30	18	37	-/5	-/16,3
K0161.0140X14	K0161.1140X14	140	14H7	34	19	34	-/5	-/16,3
K0161.0140X15	K0161.1140X15	140	15H7	34	19	34	-/5	-/17,3
K0161.0160X15	K0161.1160X15	160	15H7	40	20	40	-/5	-/17,3
K0161.0160X16	K0161.1160X16	160	16H7	40	20	40	-/5	-/18,3
K0161.0200X18	K0161.1200X18	200	18H7	50	24	46	-/6	-/20,8
K0161.0200X20	K0161.1200X20	200	20H7	50	24	46	-/6	-/22,8
K0161.0250X22	K0161.1250X22	250	22H7	50	28	49	-/6	-/24,8
K0161.0250X24	K0161.1250X24	250	24H7	50	28	49	-/8	-/27,3



## Handwheels disc

aluminium



## KIPP Handwheels disc, aluminium, with fixed cylinder grip

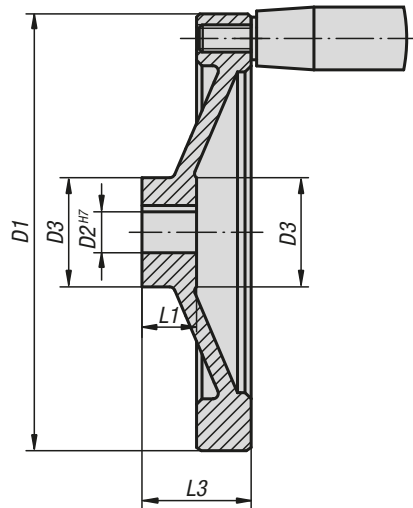
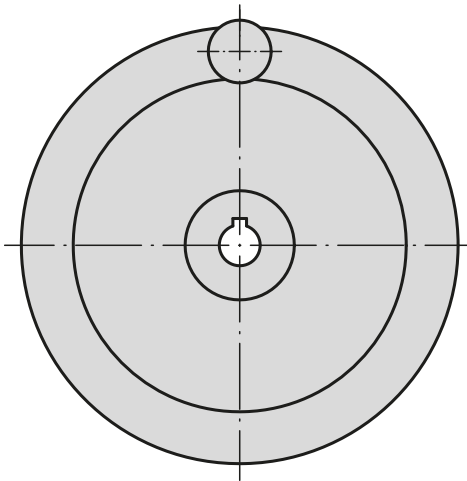
Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Fixed cylinder grip
K0161.2080X10	K0161.3080X10	80	10H7	26	16	31	-/3	-/11,4	ø18 x M6 x 40
K0161.2080X12	K0161.3080X12	80	12H7	26	16	31	-/4	-/13,8	ø18 x M6 x 40
K0161.2100X10	K0161.3100X10	100	10H7	31	17	34	-/3	-/11,4	ø18 x M6 x 40
K0161.2100X12	K0161.3100X12	100	12H7	31	17	34	-/4	-/13,8	ø18 x M6 x 40
K0161.2125X12	K0161.3125X12	125	12H7	30	18	37	-/4	-/13,8	ø21 x M8 x 50
K0161.2125X14	K0161.3125X14	125	14H7	30	18	37	-/5	-/16,3	ø21 x M8 x 50
K0161.2140X14	K0161.3140X14	140	14H7	34	19	34	-/5	-/16,3	ø21 x M8 x 50
K0161.2140X15	K0161.3140X15	140	15H7	34	19	34	-/5	-/17,3	ø21 x M8 x 50
K0161.2160X15	K0161.3160X15	160	15H7	40	20	40	-/5	-/17,3	ø26 x M10 x 80
K0161.2160X16	K0161.3160X16	160	16H7	40	20	40	-/5	-/18,3	ø26 x M10 x 80
K0161.2200X18	K0161.3200X18	200	18H7	50	24	46	-/6	-/20,8	ø26 x M10 x 80
K0161.2200X20	K0161.3200X20	200	20H7	50	24	46	-/6	-/22,8	ø26 x M10 x 80
K0161.2250X22	K0161.3250X22	250	22H7	50	28	49	-/6	-/24,8	ø28 x M12 x 90
K0161.2250X24	K0161.3250X24	250	24H7	50	28	49	-/8	-/27,3	ø28 x M12 x 90

## KIPP Handwheels disc, aluminium, with revolving cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Revolving cylinder grip
K0161.4080X10	K0161.5080X10	80	10H7	26	16	31	-/3	-/11,4	ø18 x M6 x 40
K0161.4080X12	K0161.5080X12	80	12H7	26	16	31	-/4	-/13,8	ø18 x M6 x 40
K0161.4100X10	K0161.5100X10	100	10H7	31	17	34	-/3	-/11,4	ø18 x M6 x 40
K0161.4100X12	K0161.5100X12	100	12H7	31	17	34	-/4	-/13,8	ø18 x M6 x 40
K0161.4125X12	K0161.5125X12	125	12H7	30	18	37	-/4	-/13,8	ø22 x M8 x 56
K0161.4125X14	K0161.5125X14	125	14H7	30	18	37	-/5	-/16,3	ø22 x M8 x 56
K0161.4140X14	K0161.5140X14	140	14H7	34	19	34	-/5	-/16,3	ø22 x M8 x 56
K0161.4140X15	K0161.5140X15	140	15H7	34	19	34	-/5	-/17,3	ø22 x M8 x 56
K0161.4160X15	K0161.5160X15	160	15H7	40	20	40	-/5	-/17,3	ø26 x M10 x 80
K0161.4160X16	K0161.5160X16	160	16H7	40	20	40	-/5	-/18,3	ø26 x M10 x 80
K0161.4200X18	K0161.5200X18	200	18H7	50	24	46	-/6	-/20,8	ø26 x M10 x 80
K0161.4200X20	K0161.5200X20	200	20H7	50	24	46	-/6	-/22,8	ø26 x M10 x 80
K0161.4250X22	K0161.5250X22	250	22H7	50	28	49	-/6	-/24,8	ø31 x M12 x 102
K0161.4250X24	K0161.5250X24	250	24H7	50	28	49	-/8	-/27,3	ø31 x M12 x 102

## Handwheels disc

aluminium



**Material:**

Disc handwheel aluminium.  
Cylinder grip black thermoset PF 31-DIN 7708.  
Hub electro zinc-plated steel.

**Version:**

Black, powder-coated.  
Wheel rim turned.  
Radial and axial run-out of rim < IT 12.

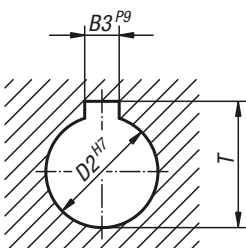
**Sample order:**

K0161.01080X10

**On request:**

Hubs with square socket.

DIN 6885-1



**KIPP Handwheels disc, aluminium, without grip**

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T
K0161.01080X10	K0161.11080X10	80	10H7	26	16	31	-/3	-/11,4
K0161.01080X12	K0161.11080X12	80	12H7	26	16	31	-/4	-/13,8
K0161.01100X10	K0161.11100X10	100	10H7	31	17	34	-/3	-/11,4
K0161.01100X12	K0161.11100X12	100	12H7	31	17	34	-/4	-/13,8
K0161.01125X12	K0161.11125X12	125	12H7	30	18	37	-/4	-/13,8
K0161.01125X14	K0161.11125X14	125	14H7	30	18	37	-/5	-/16,3
K0161.01140X14	K0161.11140X14	140	14H7	34	19	34	-/5	-/16,3
K0161.01140X15	K0161.11140X15	140	15H7	34	19	34	-/5	-/17,3
K0161.01160X15	K0161.11160X15	160	15H7	40	20	40	-/5	-/17,3
K0161.01160X16	K0161.11160X16	160	16H7	40	20	40	-/5	-/18,3
K0161.01200X18	K0161.11200X18	200	18H7	50	24	46	-/6	-/20,8
K0161.01200X20	K0161.11200X20	200	20H7	50	24	46	-/6	-/22,8
K0161.01250X22	K0161.11250X22	250	22H7	50	28	49	-/6	-/24,8
K0161.01250X24	K0161.11250X24	250	24H7	50	28	49	-/8	-/27,3

## Handwheels disc

aluminium



## KIPP Handwheels disc, aluminium, with fixed cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Fixed cylinder grip
K0161.21080X10	K0161.31080X10	80	10H7	26	16	31	-/3	-/11,4	ø18 x M6 x 40
K0161.21080X12	K0161.31080X12	80	12H7	26	16	31	-/4	-/13,8	ø18 x M6 x 40
K0161.21100X10	K0161.31100X10	100	10H7	31	17	34	-/3	-/11,4	ø18 x M6 x 40
K0161.21100X12	K0161.31100X12	100	12H7	31	17	34	-/4	-/13,8	ø18 x M6 x 40
K0161.21125X12	K0161.31125X12	125	12H7	30	18	37	-/4	-/13,8	ø21 x M8 x 50
K0161.21125X14	K0161.31125X14	125	14H7	30	18	37	-/5	-/16,3	ø21 x M8 x 50
K0161.21140X14	K0161.31140X14	140	14H7	34	19	34	-/5	-/16,3	ø21 x M8 x 50
K0161.21140X15	K0161.31140X15	140	15H7	34	19	34	-/5	-/17,3	ø21 x M8 x 50
K0161.21160X15	K0161.31160X15	160	15H7	40	20	40	-/5	-/17,3	ø26 x M10 x 80
K0161.21160X16	K0161.31160X16	160	16H7	40	20	40	-/5	-/18,3	ø26 x M10 x 80
K0161.21200X18	K0161.31200X18	200	18H7	50	24	46	-/6	-/20,8	ø26 x M10 x 80
K0161.21200X20	K0161.31200X20	200	20H7	50	24	46	-/6	-/22,8	ø26 x M10 x 80
K0161.21250X22	K0161.31250X22	250	22H7	50	28	49	-/6	-/24,8	ø28 x M12 x 90
K0161.21250X24	K0161.31250X24	250	24H7	50	28	49	-/8	-/27,3	ø28 x M12 x 90

## KIPP Handwheels disc, aluminium, with revolving cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T	Revolving cylinder grip
K0161.41080X10	K0161.51080X10	80	10H7	26	16	31	-/3	-/11,4	ø18 x M6 x 40
K0161.41080X12	K0161.51080X12	80	12H7	26	16	31	-/4	-/13,8	ø18 x M6 x 40
K0161.41100X10	K0161.51100X10	100	10H7	31	17	34	-/3	-/11,4	ø18 x M6 x 40
K0161.41100X12	K0161.51100X12	100	12H7	31	17	34	-/4	-/13,8	ø18 x M6 x 40
K0161.41125X12	K0161.51125X12	125	12H7	30	18	37	-/4	-/13,8	ø22 x M8 x 56
K0161.41125X14	K0161.51125X14	125	14H7	30	18	37	-/5	-/16,3	ø22 x M8 x 56
K0161.41140X14	K0161.51140X14	140	14H7	34	19	34	-/5	-/16,3	ø22 x M8 x 56
K0161.41140X15	K0161.51140X15	140	15H7	34	19	34	-/5	-/17,3	ø22 x M8 x 56
K0161.41160X15	K0161.51160X15	160	15H7	40	20	40	-/5	-/17,3	ø26 x M10 x 80
K0161.41160X16	K0161.51160X16	160	16H7	40	20	40	-/5	-/18,3	ø26 x M10 x 80
K0161.41200X18	K0161.51200X18	200	18H7	50	24	46	-/6	-/20,8	ø26 x M10 x 80
K0161.41200X20	K0161.51200X20	200	20H7	50	24	46	-/6	-/22,8	ø26 x M10 x 80
K0161.41250X22	K0161.51250X22	250	22H7	50	28	49	-/6	-/24,8	ø31 x M12 x 102
K0161.41250X24	K0161.51250X24	250	24H7	50	28	49	-/8	-/27,3	ø31 x M12 x 102

## Handwheels disc

similar to DIN 950, aluminium

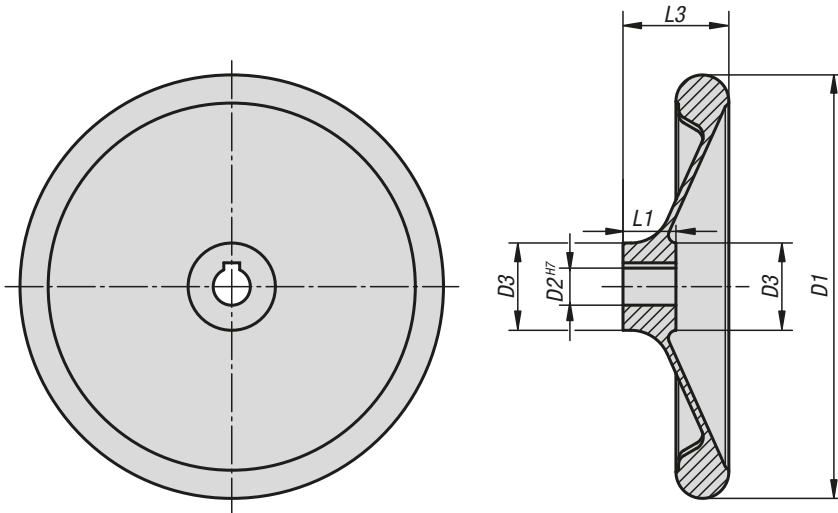


**Material:**  
Handwheel aluminium.

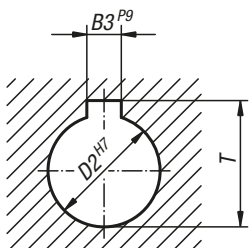
**Version:**  
Wheel rim turned and polished.  
Radial and axial run-out of rim < IT 12.

**Sample order:**  
K0163.0080X10

**On request:**  
Hubs with square socket or powder-coated handwheels.



DIN 6885-1

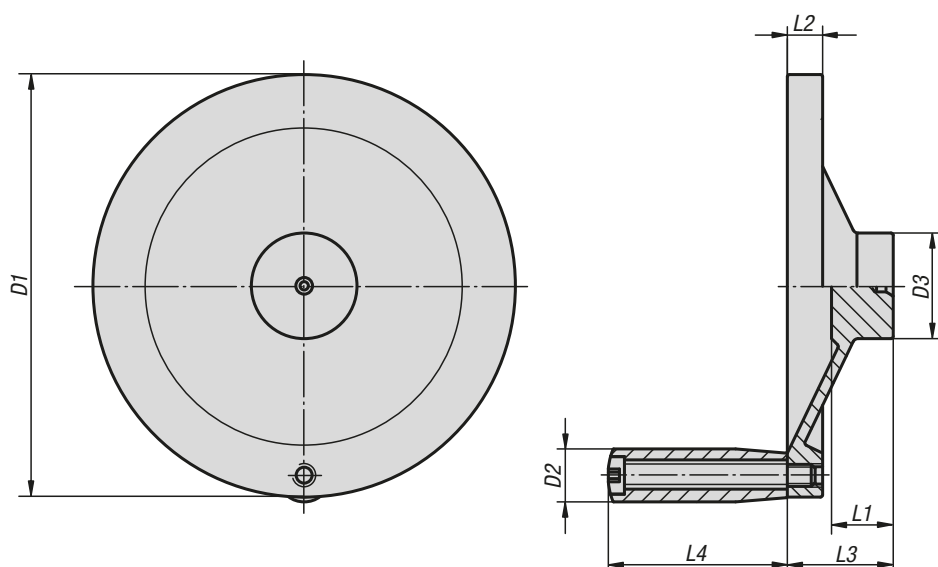


### KIPP Handwheels disc, similar to DIN 950, aluminium

Order No. reamed hole	Order No. reamed hole with slot	D1	D2	D3	L1	L3	B3	T
K0163.0080X10	K0163.1080X10	80	10H7	25	16	30	-/3	-/11,4
K0163.0080X12	K0163.1080X12	80	12H7	25	16	30	-/4	-/13,8
K0163.0100X10	K0163.1100X10	100	10H7	28	17	31	-/3	-/11,4
K0163.0100X12	K0163.1100X12	100	12H7	28	17	31	-/4	-/13,8
K0163.0120X12	K0163.1120X12	120	12H7	27	18	30	-/4	-/13,8
K0163.0120X14	K0163.1120X14	120	14H7	27	18	30	-/5	-/16,3
K0163.0160X14	K0163.1160X14	160	14H7	34	20	40	-/5	-/16,3
K0163.0160X16	K0163.1160X16	160	16H7	34	20	40	-/5	-/18,3
K0163.0200X18	K0163.1200X18	200	18H7	40	24	44	-/6	-/20,8
K0163.0200X22	K0163.1200X22	200	22H7	40	24	44	-/6	-/24,8
K0163.0250X22	K0163.1250X22	250	22H7	49	28	61	-/6	-/24,8
K0163.0250X26	K0163.1250X26	250	26H7	49	28	61	-/8	-/29,3
K0163.0280X24	K0163.1280X24	280	24H7	51	30	38	-/8	-/27,3
K0163.0280X28	K0163.1280X28	280	28H7	51	30	38	-/8	-/31,3
K0163.0360X28	K0163.1360X28	360	28H7	63	35	73	-/8	-/31,3
K0163.0360X32	K0163.1360X32	360	32H7	63	35	73	-/10	-/35,3

## Handwheels disc stainless steel

with revolving grip



**Material:**  
Stainless steel 1.4301.

**Version:**  
Turned, bright.  
Hub is centre bored.

**Sample order:**  
K1307.4076X00

**On request:**  
Stainless steel 1.4401.  
Stainless steel 1.4404.  
Stainless steel 1.4571.



### KIPP Handwheels disc stainless steel, with revolving grip

Order No.	D1	D2	D3	L1	L2	L3	L4
K1307.4076X00	76,2	9,91	22,1	17,02	6,1	27,9	37,9
K1307.4101X00	101,6	11,94	25,9	18,03	7,87	31,7	39,88
K1307.4152X00	152,4	19,05	38,1	22,1	12,7	38,1	63,5
K1307.4203X00	203,2	22,1	45,7	24,13	14,22	45,7	76,2
K1307.4254X00	254	22,1	50,8	26,67	15,75	50,8	76,2

## Handwheels disc

with revolving grip



**Material:**

Thermoset PF 31, black.  
Hubs and steel parts of grip nickel-plated steel or bright 1.4305 stainless steel.

**Version:**

High-gloss polished.

**Sample order:**

K0164.0125X08

**Note:**

The handwheel is supplied with the grip loose.

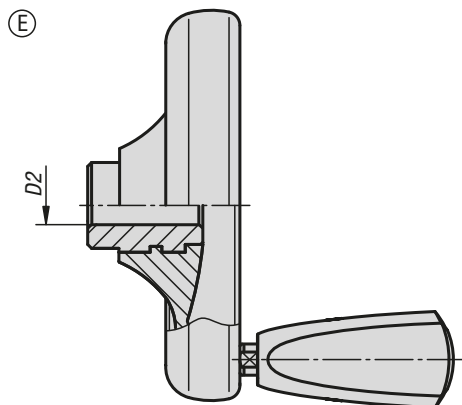
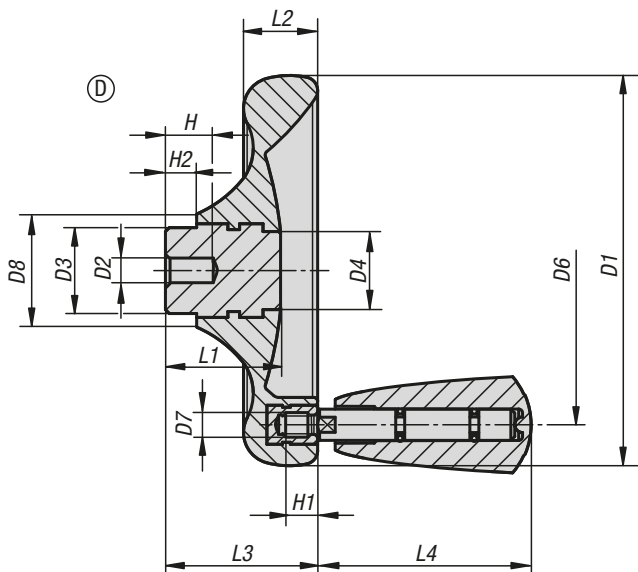
**On request:**

Other reamed hole sizes.

**Drawing reference:**

Form D: pilot hole

Form E: reamed hole



### KIPP Handwheels disc, with revolving grip

Order No. Form D	Order No. Form E	D1	D2	D3	D4	D6	D7	D8	H	H1	H2	L1	L2	L3	L4
K0164.0100X06	K0164.1100X10	100	6/10H8	22	20	79	M6	29	12/-	9	8	29,5	19	39	54,7
K0164.0125X08	K0164.1125X12	125	8/12H8	26	21	101	M6	34	15/-	9	8	34	24	46	54,7
K0164.0140X08	K0164.1140X14	140	8/14H8	30	25	110	M8	39	16/-	12	8	38,5	27	52	82,2
K0164.0160X10	K0164.1160X16	160	10/16H8	33	30	128	M8	43	20/-	12	8	41,3	30,1	57	82,2
-	K0164.1160X18	160	18H8	33	30	128	M8	43	-	12	8	41,3	30,1	57	82,2

### KIPP Handwheels disc, with revolving grip, metal parts stainless steel

Order No. Form D	Order No. Form E	D1	D2	D3	D4	D6	D7	D8	H	H1	H2	L1	L2	L3	L4
K0164.2100X06	K0164.3100X10	100	6/10H7	22	20	79	M6	29	12/-	9	8	29,5	19	39	54,7
K0164.2125X08	K0164.3125X12	125	8/12H7	26	21	101	M6	34	15/-	9	8	34	24	46	54,7
K0164.2140X08	K0164.3140X14	140	8/14H7	30	25	110	M8	39	16/-	12	8	38,5	27	52	82,2
K0164.2160X10	K0164.3160X16	160	10/16H7	33	30	128	M8	43	20/-	12	8	41,3	30,1	57	82,2
-	K0164.3160X18	160	18H7	33	30	128	M8	43	-	12	8	41,3	30,1	57	82,2

## Handwheels disc

without grip



**Material:**

Black thermoset PF 31.

Hub nickel-plated steel or bright 1.4305 stainless steel.

**Version:**

High-gloss polished.

**Sample order:**

K0165.0100X06

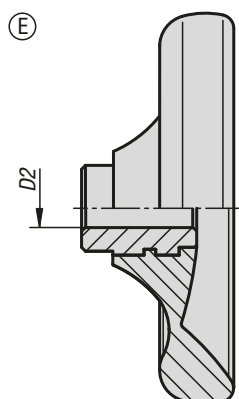
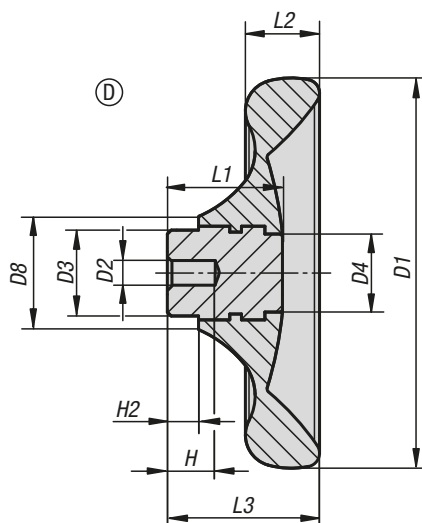
**On request:**

Other reamed hole sizes.

**Drawing reference:**

Form D: pilot hole

Form E: reamed hole



### KIPP Handwheels disc, without grip, bush steel

Order No. Form D	Order No. Form E	D1	D2	D3	D4	D8	H	H2	L1	L2	L3
K0165.0100X06	K0165.1100X10	100	6/10H8	22	20	29	12/-	8	29,5	19	39
K0165.0125X08	K0165.1125X12	125	8/12H8	26	21	34	15/-	8	34	24	46
K0165.0140X08	K0165.1140X14	140	8/14H8	30	25	39	16/-	8	38,5	27	52
K0165.0160X10	K0165.1160X16	160	10/16H8	33	30	43	20/-	8	41,3	30,1	57
-	K0165.1160X18	160	18H8	33	30	43	-	8	41,3	30,1	57

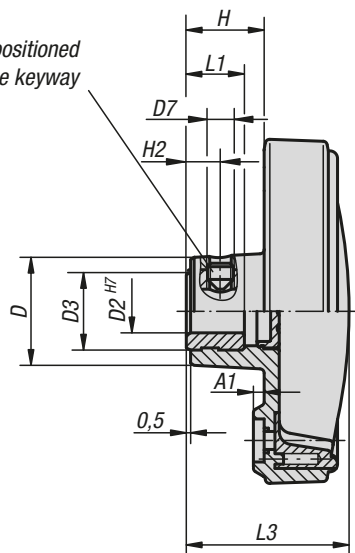
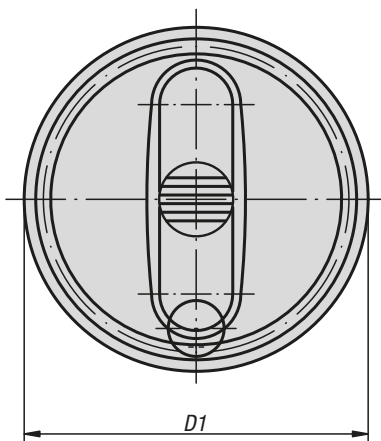
### KIPP Handwheels disc, without grip, bush stainless steel

Order No. Form D	Order No. Form E	D1	D2	D3	D4	D8	H	H2	L1	L2	L3
K0165.2100X06	K0165.3100X10	100	6/10H7	22	20	29	12/-	8	29,5	19	39
K0165.2125X08	K0165.3125X12	125	8/12H7	26	21	34	15/-	8	34	24	46
K0165.2140X08	K0165.3140X14	140	8/14H7	30	25	39	16/-	8	38,5	27	52
K0165.2160X10	K0165.3160X16	160	10/16H7	33	30	43	20/-	8	41,3	30,1	57
-	K0165.3160X18	160	18H7	33	30	43	-	8	41,3	30,1	57

## Handwheels



The transverse hole is positioned at 90° to the keyway



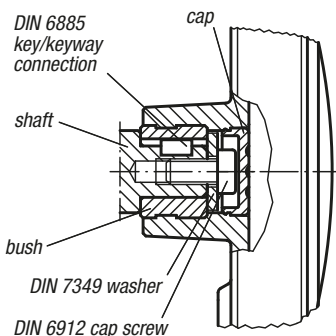
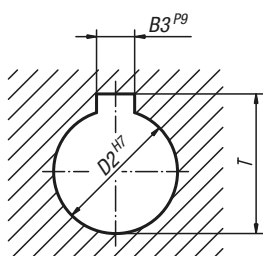
**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0256.108008

**Note:**  
The hub cap is supplied loose.  
The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.  
Versions with transverse bore are fastened using the ISO 4027 (DIN 914) grub screws.

DIN 6885-1



### KIPP Handwheels

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	A1	H	L1	L3	B3	T
K0256.108008	K0256.10800802	25	80	8H7	19	2,5	17,5	13	37,5	-/2	-/9
K0256.108010	K0256.10801003	25	80	10H7	19	2,5	17,5	13	37,5	-/3	-/11,4
K0256.108012	K0256.10801204	25	80	12H7	19	2,5	17,5	13	37,5	-/4	-/13,8
K0256.210010	K0256.21001003	28	100	10H7	19	3	20	13	44	-/3	-/11,4
K0256.210012	K0256.21001204	28	100	12H7	19	3	20	13	44	-/4	-/13,8
K0256.312512	K0256.31251204	35	125	12H7	25	4	23,5	18,5	53	-/4	-/13,8
K0256.312514	K0256.31251405	35	125	14H7	25	4	23,5	18,5	53	-/5	-/16,3
K0256.312516	K0256.31251605	35	125	16H7	25	4	23,5	18,5	53	-/5	-/18,3
K0256.416014	K0256.41601405	45	160	14H7	25	5,6	28	18,5	64,5	-/5	-/16,3
K0256.416016	K0256.41601605	45	160	16H7	25	5,6	28	18,5	64,5	-/5	-/18,3

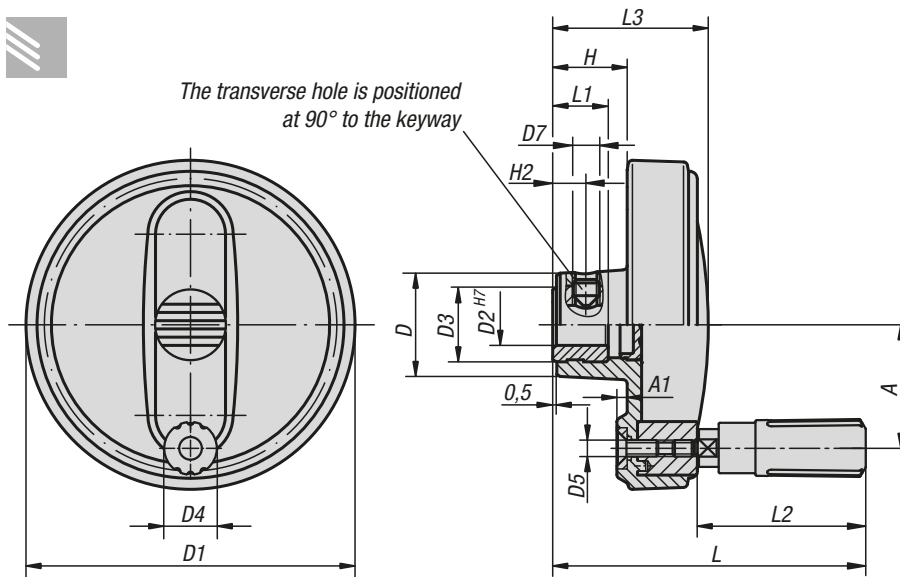
### KIPP Handwheels with transverse bore

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D7	A1	H	H2	L1	L3	B3	T
K0256.1080086	K0256.108008026	25	80	8H7	19	M6	2,5	17,5	7,5	13	37,5	-/2	-/9
K0256.1080106	K0256.108010036	25	80	10H7	19	M6	2,5	17,5	7,5	13	37,5	-/3	-/11,4
K0256.1080126	K0256.108012046	25	80	12H7	19	M6	2,5	17,5	7,5	13	37,5	-/4	-/13,8
K0256.2100106	K0256.210010036	28	100	10H7	19	M6	3	20	7,5	13	44	-/3	-/11,4
K0256.2100126	K0256.210012046	28	100	12H7	19	M6	3	20	7,5	13	44	-/4	-/13,8
K0256.3125126	K0256.312512046	35	125	12H7	25	M6	4	23,5	7,5	18,5	53	-/4	-/13,8
K0256.3125146	K0256.312514056	35	125	14H7	25	M6	4	23,5	7,5	18,5	53	-/5	-/16,3
K0256.3125166	K0256.312516056	35	125	16H7	25	M6	4	23,5	7,5	18,5	53	-/5	-/18,3
K0256.4160146	K0256.416014056	45	160	14H7	25	M6	5,6	28	7,5	18,5	64,5	-/5	-/16,3
K0256.4160166	K0256.416016056	45	160	16H7	25	M6	5,6	28	7,5	18,5	64,5	-/5	-/18,3



## Handwheels

with revolving grip



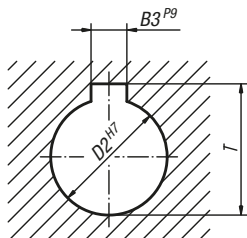
**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0257.108008

**Note:**  
The hub cover and the revolving cylinder grip are supplied unassembled. To assemble, screw the grip into the tapped hole.  
The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer. Versions with transverse bore are secured using the ISO 4027 (DIN 914) grub screw.

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### KIPP Handwheels with revolving cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	A	A1	H	L	L1	L2	L3	B3	T
K0257.108008	K0257.10800802	25	80	8H7	19	14	M4	30	2,5	17,6	74,6	13	40	36,7	-/2	-/9
K0257.108010	K0257.10801003	25	80	10H7	19	14	M4	30	2,5	17,6	74,6	13	40	36,7	-/3	-/11,4
K0257.108012	K0257.10801204	25	80	12H7	19	14	M4	30	2,5	17,6	74,6	13	40	36,7	-/4	-/13,8
K0257.210010	K0257.21001003	28	100	10H7	19	16	M5	38	3	20,1	90,2	13	49,1	43,5	-/3	-/11,4
K0257.210012	K0257.21001204	28	100	12H7	19	16	M5	38	3	20,1	90,2	13	49,1	43,5	-/4	-/13,8
K0257.312512	K0257.31251204	35	125	12H7	25	20	M6	47,5	4	23,3	110,7	18,5	61,4	52,1	-/4	-/13,8
K0257.312514	K0257.31251405	35	125	14H7	25	20	M6	47,5	4	23,3	110,7	18,5	61,4	52,1	-/5	-/16,3
K0257.312516	K0257.31251605	35	125	16H7	25	20	M6	47,5	4	23,3	110,7	18,5	61,4	52,1	-/5	-/18,3
K0257.416014	K0257.41601405	45	160	14H7	25	25	M8	62	5,6	28	143	18,5	82,5	63,8	-/5	-/16,3
K0257.416016	K0257.41601605	45	160	16H7	25	25	M8	62	5,6	28	143	18,5	82,5	63,8	-/5	-/18,3

### KIPP Handwheels with revolving cylinder grip with transverse bore

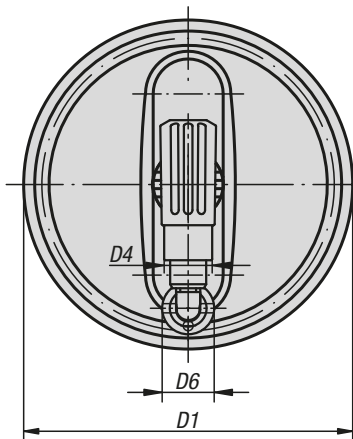
Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	D7	A	A1	H	H2	L	L1	L2	L3	B3	T
K0257.1080086	K0257.108008026	25	80	8H7	19	14	M4	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/2	-/9
K0257.1080106	K0257.108010036	25	80	10H7	19	14	M4	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/3	-/11,4
K0257.1080126	K0257.108012046	25	80	12H7	19	14	M4	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/4	-/13,8
K0257.2100106	K0257.210010036	28	100	10H7	19	16	M5	M6	38	3	20,1	7,5	90,2	13	49,1	43,5	-/3	-/11,4
K0257.2100126	K0257.210012046	28	100	12H7	19	16	M5	M6	38	3	20,1	7,5	90,2	13	49,1	43,5	-/4	-/13,8
K0257.3125126	K0257.312512046	35	125	12H7	25	20	M6	M6	47,5	4	23,3	7,5	110,7	18,5	61,4	52,1	-/4	-/13,8
K0257.3125146	K0257.312514056	35	125	14H7	25	20	M6	M6	47,5	4	23,3	7,5	110,7	18,5	61,4	52,1	-/5	-/16,3
K0257.3125166	K0257.312516056	35	125	16H7	25	20	M6	M6	47,5	4	23,3	7,5	110,7	18,5	61,4	52,1	-/5	-/18,3
K0257.4160146	K0257.416014056	45	160	14H7	25	25	M8	M6	62	5,6	28	7,5	143	18,5	82,5	63,8	-/5	-/16,3
K0257.4160166	K0257.416016056	45	160	16H7	25	25	M8	M6	62	5,6	28	7,5	143	18,5	82,5	63,8	-/5	-/18,3

## Handwheels

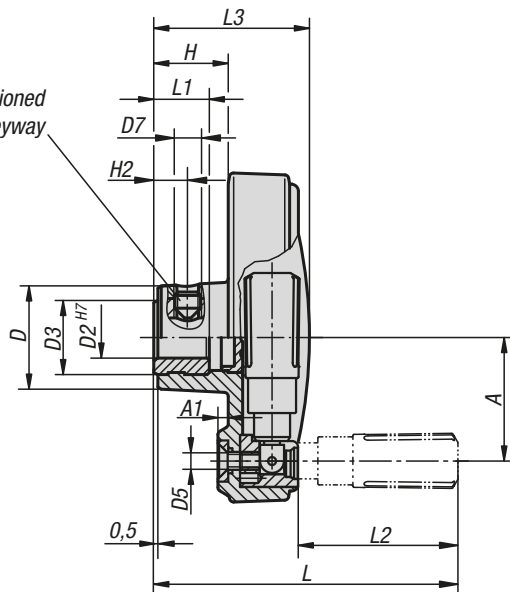
with fold-down grip



The transverse hole is positioned at 90° to the keyway



DIN 6885-1

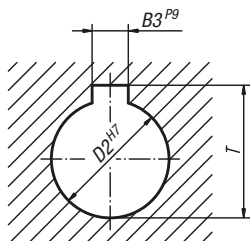


**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0258.108008

**Note:**  
The hub cover is supplied loose.  
The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.  
Versions with transverse bore are secured using the ISO 4027 (DIN 914) grub screw.  
For assembly example, see K0256.



### KIPP Handwheels with fold-down cylinder grip

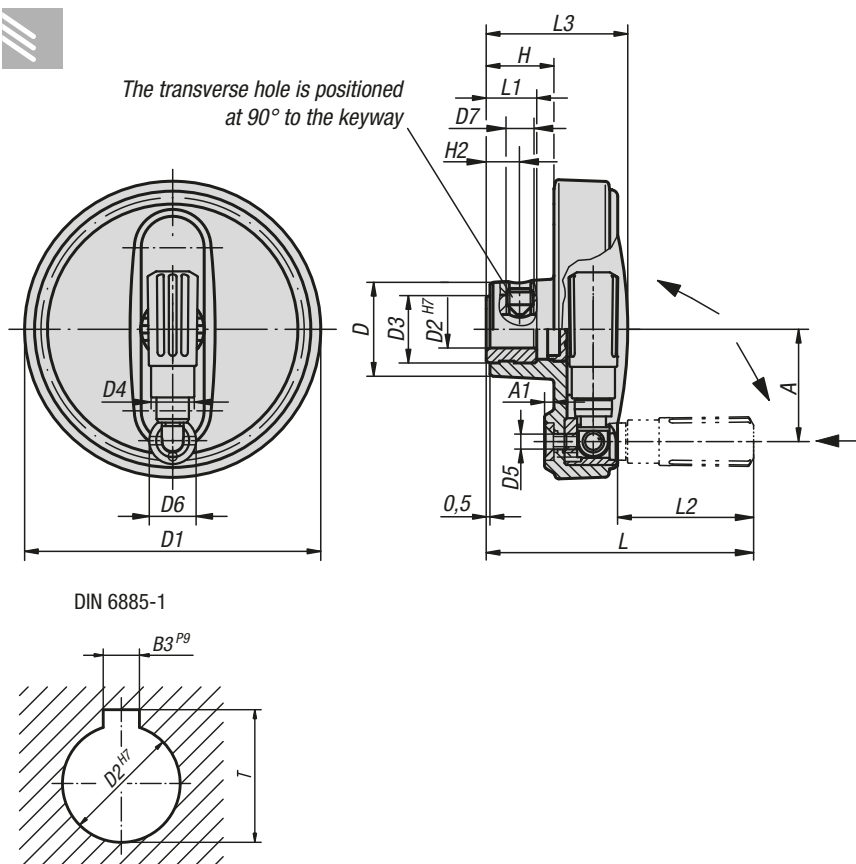
Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	D6	A	A1	H	L	L1	L2	L3	B3	T
K0258.108008	K0258.10800802	25	80	8H7	19	14	M4	13	30	2,5	17,6	74,6	13	40	36,7	-/2	-/9
K0258.108010	K0258.10801003	25	80	10H7	19	14	M4	13	30	2,5	17,6	74,6	13	40	36,7	-/3	-/11,4
K0258.108012	K0258.10801204	25	80	12H7	19	14	M4	13	30	2,5	17,6	74,6	13	40	36,7	-/4	-/13,8
K0258.210010	K0258.21001003	28	100	10H7	19	16	M5	16	38	3	20,1	90,1	13	49	43,5	-/3	-/11,4
K0258.210012	K0258.21001204	28	100	12H7	19	16	M5	16	38	3	20,1	90,1	13	49	43,5	-/4	-/13,8
K0258.312512	K0258.31251204	35	125	12H7	25	20	M6	20	47,5	4	23,3	108,8	18,5	59,5	52,1	-/4	-/13,8
K0258.312514	K0258.31251405	35	125	14H7	25	20	M6	20	47,5	4	23,3	108,8	18,5	59,5	52,1	-/5	-/16,3
K0258.312516	K0258.31251605	35	125	16H7	25	20	M6	20	47,5	4	23,3	108,8	18,5	59,5	52,1	-/5	-/18,3
K0258.416014	K0258.41601405	45	160	14H7	25	25	M8	26	62	5,6	28	143,5	18,5	83	63,8	-/5	-/16,3
K0258.416016	K0258.41601605	45	160	16H7	25	25	M8	26	62	5,6	28	143,5	18,5	83	63,8	-/5	-/18,3

### KIPP Handwheels with fold-down grip, with transverse bore

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	D6	D7	A	A1	H	H2	L	L1	L2	L3	B3	T
K0258.1080086	K0258.108008026	25	80	8H7	19	14	M4	13	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/2	-/9
K0258.1080106	K0258.108010036	25	80	10H7	19	14	M4	13	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/3	-/11,4
K0258.1080126	K0258.108012046	25	80	12H7	19	14	M4	13	M6	30	2,5	17,6	7,5	74,6	13	40	36,7	-/4	-/13,8
K0258.2100106	K0258.210010036	28	100	10H7	19	16	M5	16	M6	38	3	20,1	7,5	90,1	13	49	43,5	-/3	-/11,4
K0258.2100126	K0258.210012046	28	100	12H7	19	16	M5	16	M6	38	3	20,1	7,5	90,1	13	49	43,5	-/4	-/13,8
K0258.3125126	K0258.312512046	35	125	12H7	25	20	M6	20	M6	47,5	4	23,3	7,5	108,8	18,5	59,5	52,1	-/4	-/13,8
K0258.3125146	K0258.312514056	35	125	14H7	25	20	M6	20	M6	47,5	4	23,3	7,5	108,8	18,5	59,5	52,1	-/5	-/16,3
K0258.3125166	K0258.312516056	35	125	16H7	25	20	M6	20	M6	47,5	4	23,3	7,5	108,8	18,5	59,5	52,1	-/5	-/18,3
K0258.4160146	K0258.416014056	45	160	14H7	25	25	M8	26	M6	62	5,6	28	7,5	143,5	18,5	83	63,8	-/5	-/16,3
K0258.4160166	K0258.416016056	45	160	16H7	25	25	M8	26	M6	62	5,6	28	7,5	143,5	18,5	83	63,8	-/5	-/18,3

## Handwheels

with safety grip



**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0259.108008

**Note:**  
The hub cover is supplied loose. The handwheels can be secured using a transverse pin or by parallel key connection together with a DIN 6912 socket head screw and a DIN 7349 washer.

Two steps have to be carried out to bring the cylindrical safety grip into operating position:

- Swivel the grip around the axis of rotation until it stops (90°).
- Push grip in axial position into locking position.

The pressed-in position is the most comfortable position to crank. When released, the grip automatically returns to original position.

Versions with transverse bore are secured using the ISO 4027 (DIN 914) grub screw.  
For assembly examples, see K0256.

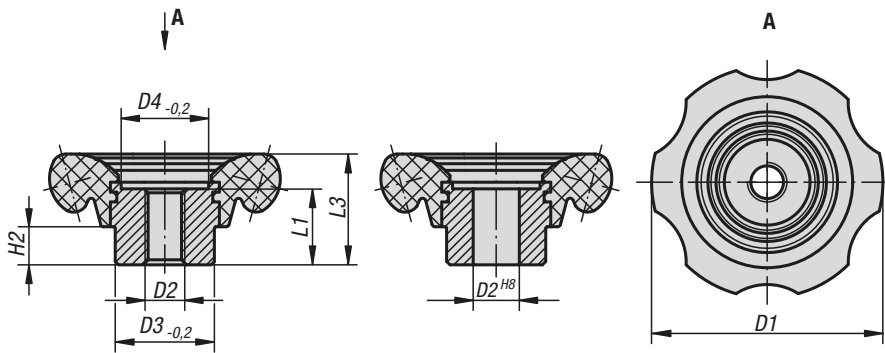
### KIPP Handwheels with safety cylinder grip

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	D6	A	A1	H	L	L1	L2	L3	B3	T
K0259.108008	K0259.10800802	25	80	8H7	19	14	M4	13	30	2,5	17,6	72,6	13	38	36,7	-/2	-/9
K0259.108010	K0259.10801003	25	80	10H7	19	14	M4	13	30	2,5	17,6	72,6	13	38	36,7	-/3	-/11,4
K0259.108012	K0259.10801204	25	80	12H7	19	14	M4	13	30	2,5	17,6	72,6	13	38	36,7	-/4	-/13,8
K0259.210010	K0259.21001003	28	100	10H7	19	16	M5	16	38	3	20,1	88,6	13	47,5	43,5	-/3	-/11,4
K0259.210012	K0259.21001204	28	100	12H7	19	16	M5	16	38	3	20,1	88,6	13	47,5	43,5	-/4	-/13,8
K0259.312512	K0259.31251204	35	125	12H7	25	20	M6	20	47,5	4	23,3	107,7	18,5	58,4	52,1	-/4	-/13,8
K0259.312514	K0259.31251405	35	125	14H7	25	20	M6	20	47,5	4	23,3	107,7	18,5	58,4	52,1	-/5	-/16,3
K0259.312516	K0259.31251605	35	125	16H7	25	20	M6	20	47,5	4	23,3	107,7	18,5	58,4	52,1	-/5	-/18,3
K0259.416014	K0259.41601405	45	160	14H7	25	25	M8	26	62	5,6	28	142	18,5	81,6	63,8	-/5	-/16,3
K0259.416016	K0259.41601605	45	160	16H7	25	25	M8	26	62	5,6	28	142	18,5	81,6	63,8	-/5	-/18,3

### KIPP Handwheels with safety cylinder grip with transverse bore

Order No. reamed hole	Order No. reamed hole with slot	D	D1	D2	D3	D4	D5	D6	D7	A	A1	H	H2	L	L1	L2	L3	B3	T
K0259.1080086	K0259.108008026	25	80	8H7	19	14	M4	13	M6	30	2,5	17,6	7,5	72,6	13	38	36,7	-/2	-/9
K0259.1080106	K0259.108010036	25	80	10H7	19	14	M4	13	M6	30	2,5	17,6	7,5	72,6	13	38	36,7	-/3	-/11,4
K0259.1080126	K0259.108012046	25	80	12H7	19	14	M4	13	M6	30	2,5	17,6	7,5	72,6	13	38	36,7	-/4	-/13,8
K0259.2100106	K0259.210010036	28	100	10H7	19	16	M5	16	M6	38	3	20,1	7,5	88,6	13	47,5	43,5	-/3	-/11,4
K0259.2100126	K0259.210012046	28	100	12H7	19	16	M5	16	M6	38	3	20,1	7,5	88,6	13	47,5	43,5	-/4	-/13,8
K0259.3125126	K0259.312512046	35	125	12H7	25	20	M6	20	M6	47,5	4	23,3	7,5	107,7	18,5	58,4	52,1	-/4	-/13,8
K0259.3125146	K0259.312514056	35	125	14H7	25	20	M6	20	M6	47,5	4	23,3	7,5	107,7	18,5	58,4	52,1	-/5	-/16,3
K0259.3125166	K0259.312516056	35	125	16H7	25	20	M6	20	M6	47,5	4	23,3	7,5	107,7	18,5	58,4	52,1	-/5	-/18,3
K0259.4160146	K0259.416014056	45	160	14H7	25	25	M8	26	M6	62	5,6	28	7,5	142	18,5	81,6	63,8	-/5	-/16,3
K0259.4160166	K0259.416016056	45	160	16H7	25	25	M8	26	M6	62	5,6	28	7,5	142	18,5	81,6	63,8	-/5	-/18,3

## Handwheels



**Material:**  
Handwheel thermoset PF 31.  
Bush steel, black oxidised.

**Version:**  
High-gloss polished, black.

**Sample order:**  
K0184.70112

### KIPP Handwheels

Order No.	Version 1	D1	D2	D3	D4	H2	L1	L3
K0184.70110	internal thread	70	M10	30	26,5	11,5	23	33,5
K0184.70112	internal thread	70	M12	30	26,5	11,5	23	33,5
K0184.83112	internal thread	83	M12	35	31,5	14	28	40
K0184.83116	internal thread	83	M16	35	31,5	14	28	40
K0184.70212	reamed hole	70	12H8	30	26,5	11,5	23	33,5
K0184.70214	reamed hole	70	14H8	30	26,5	11,5	23	33,5
K0184.83214	reamed hole	83	14H8	35	31,5	14	28	40
K0184.83216	reamed hole	83	16H8	35	31,5	14	28	40

## Knurled knobs

with grip



**Material:**

Black thermoplastic.  
Bush grade 5.8 steel.

**Version:**

Steel trivalent blue passivated.

**Sample order:**

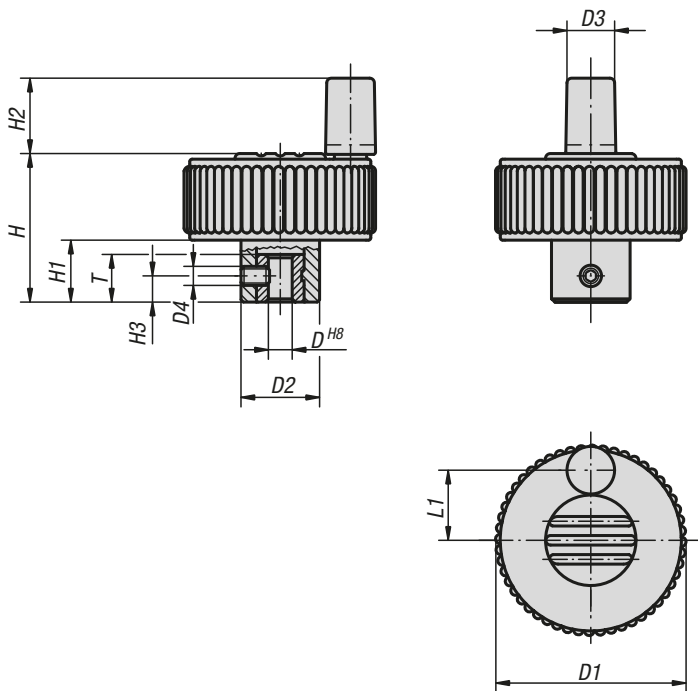
K0262.21066 (cap colour traffic red)






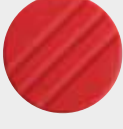

**Note:**

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

**Drawing reference:**

Form H: without locking grub screw  
Form M: with locking grub screw

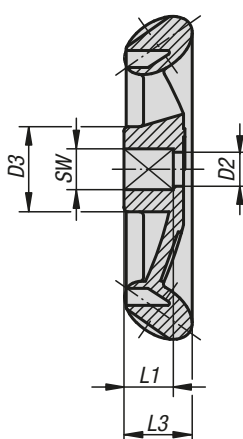
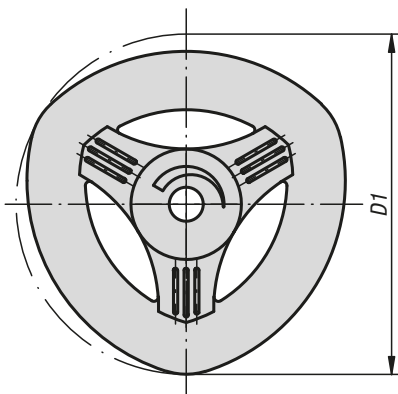


black grey  RAL 7021	pure orange Δ = 1  RAL 2004	signal green Δ = 2  RAL 6032	traffic blue Δ = 3  RAL 5017
light grey Δ = 5  RAL 7035	traffic red Δ = 6  RAL 3020	colza yellow Δ = 7  RAL 1021	

### KIPP Knurled knobs with grip

Order No.	Form	D	D1	D2	D3	D4	H	H1	H2	H3	L1	T
K0262.2106Δ	H	6H8	40	16,5	10	-	31	13	16	-	15	10
K0262.2206Δ	H	6H8	50	18	10	-	36	15	16	-	18,5	10
K0262.2308Δ	H	8H8	63	22	10	-	41	17	16	-	25	14
K0262.1106Δ	M	6H8	40	16,5	10	M4	31	13	16	5,5	15	10
K0262.1206Δ	M	6H8	50	18	10	M4	36	15	16	5,5	18,5	10
K0262.1308Δ	M	8H8	63	22	10	M4	41	17	16	8	25	14

## Deltawheels



**Material:**

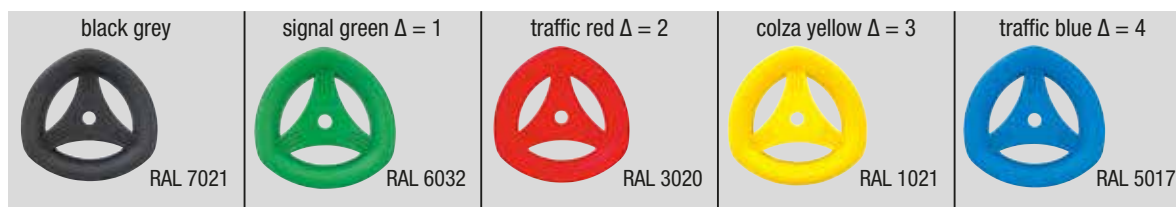
Fibreglass reinforced thermoplastic.

**Sample order:**

K0275.050051 (colour signal green)

**Note:**

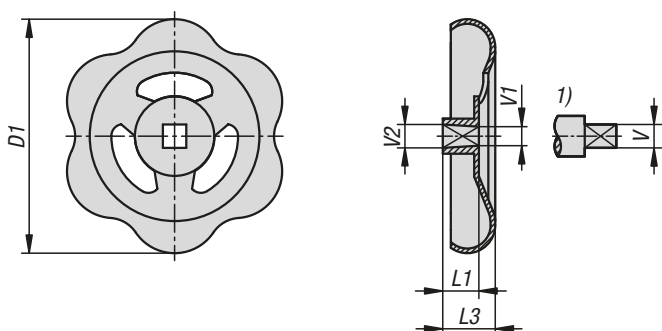
Δ Add the desired colour here. No colour code is required for black grey.



### KIPP Deltawheels

Order No.	D1	D2	D3	L1	L3	SW
K0275.05005Δ	50	5	12,5	7,3	10	5
K0275.05006Δ	50	5	12,5	7,3	10	6
K0275.06306Δ	63	5	15,8	9	12,6	6
K0275.06307Δ	63	5	15,8	9	12,6	7
K0275.08008Δ	80	5	20	12	16	8
K0275.08009Δ	80	5	20	12	16	9

## Hand wheels, steel, stamped



**Material:**

Steel.

**Version:**

Powder-coated black RAL 9005, red RAL 3000 or trivalent blue passivated.

**Sample order:**

K1661.050060

**Note:**

Especially suitable for stop valves. The handwheels are made from a single piece. The handwheel is strengthened in the hub area using a special forming process. The tapered hub allows easy mounting and ensures secure seating on the square bar.

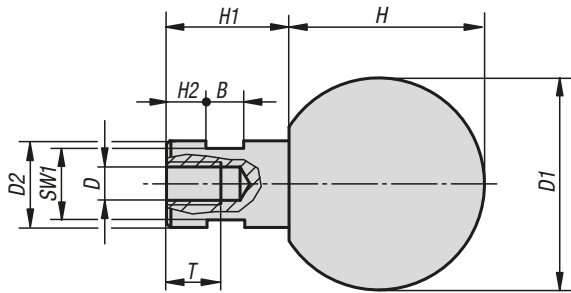
**Drawing reference:**

1) Square on shaft

### KIPP Hand wheels, steel, stamped

Order No. passivated	Order No. jet black RAL 9005	Order No. red RAL 3000	D1	L1	L3	V	V1	V2	Number of spokes
K1661.130122	K1661.130120	K1661.130121	130	15	23	12	11,9	12,15	3
K1661.050062	K1661.050060	K1661.050061	50	8,5	12	6	5,9	6,15	3
K1661.050072	K1661.050070	K1661.050071	50	8,5	12	7	6,9	7,15	3
K1661.060062	K1661.060060	K1661.060061	60	8,5	12	6	5,9	6,15	3
K1661.060072	K1661.060070	K1661.060071	60	8,5	12	7	6,9	7,15	3
K1661.110102	K1661.110100	K1661.110101	108	15	23	10	9,9	10,15	3
K1661.070072	K1661.070070	K1661.070071	69	10	15	7	6,9	7,15	3
K1661.100102	K1661.100100	K1661.100101	98	13	20	10	9,9	10,15	3
K1661.070082	K1661.070080	K1661.070081	69	10	15	8	7,9	8,15	3
K1661.080082	K1661.080080	K1661.080081	78	11	16	8	7,9	8,15	3
K1661.080092	K1661.080090	K1661.080091	78	11	16	9	8,9	9,15	3
K1661.090092	K1661.090090	K1661.090091	89	11	16	9	8,9	9,15	3
K1661.100092	K1661.100090	K1661.100091	98	13	20	9	8,9	9,15	3

## Ball grips revolving



**Material:**

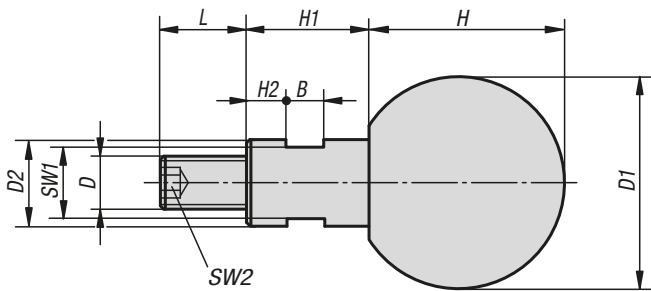
Ball thermoset PF 31.  
 Bush and screw steel or stainless steel 1.4305.

**Version:**

Ball black glossy.  
 Steel trivalent blue passivated.  
 Stainless steel bright.

**Sample order:**

K0726.061



### KIPP Ball grips revolving with female thread

Order No. steel	Order No. stainless steel	B	D	D1	D2	H	H1	H2	SW1	T
K0726.060	K0726.1060	5	M6	25	10	22,5	15	5	8	12,5
K0726.080	K0726.1080	6	M8	32	13	29,5	19	6	10	15
K0726.100	K0726.1100	8	M10	40	16	37	24	8	13	19
K0726.120	K0726.1120	10	M12	50	20	47	31	12	17	21,5

### KIPP Ball grips revolving with male thread

Order No. steel	Order No. stainless steel	B	D	D1	D2	H	H1	H2	L	SW1	SW2
K0726.061	K0726.1061	5	M6	25	10	22,5	15	5	11	8	3
K0726.081	K0726.1081	6	M8	32	13	29,5	19	6	13	10	4
K0726.101	K0726.1101	8	M10	40	16	37	24	8	14	13	5
K0726.121	K0726.1121	10	M12	50	20	47	31	12	21	17	6



## Crank handles offset

similar to DIN 468



**Material:**

Crank arm malleable or ductile iron.

**Version:**

Blasted.

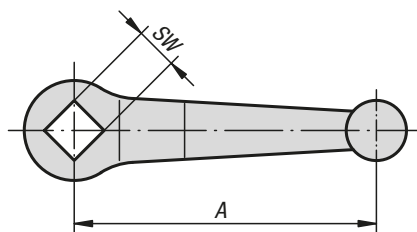
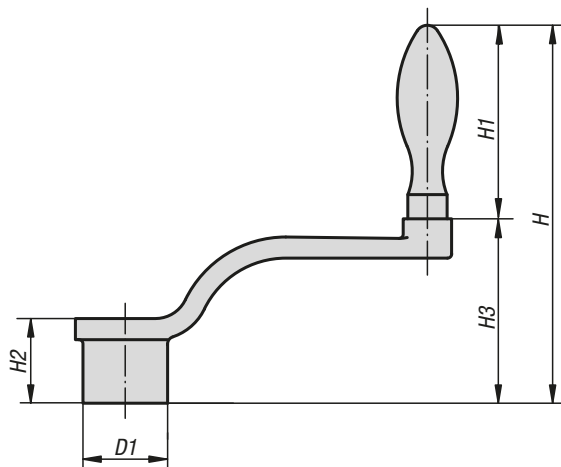
**Sample order:**

K0684.212X14

**Drawing reference:**

Form D: with revolving handle

Form F: with fixed handle

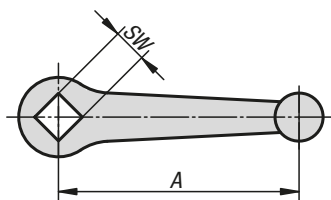
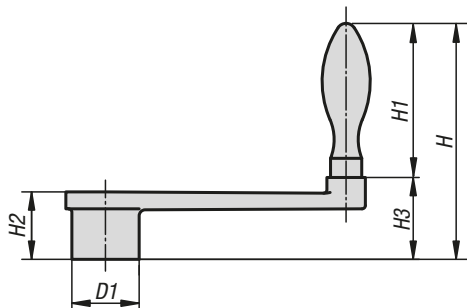


### KIPP Crank handles offset similar DIN 468

Order No.	Form	A	D1	H	H1	H2	H3	SW	Grip Ø
K0684.206X10	D	63	20	92	52	20	40	10+0,2	16
K0684.208X10	D	80	24	109	65	24	44	10+0,2	20
K0684.208X12	D	80	24	109	65	24	44	12+0,2	20
K0684.210X12	D	100	28	120	65	28	55	12+0,2	20
K0684.210X14	D	100	28	120	65	28	55	14+0,3	20
K0684.212X14	D	125	34	141	83	34	58	14+0,3	25
K0684.212X17	D	125	34	141	83	34	58	17+0,3	25
K0684.216X17	D	160	37	153	83	38	70	17+0,3	25
K0684.216X19	D	160	37	153	83	38	70	19+0,3	25
K0684.220X19	D	200	40	189	105	44	84	19+0,3	32
K0684.220X22	D	200	40	189	105	44	84	22+0,3	32
K0684.106X10	F	63	20	92	52	20	40	10+0,2	16
K0684.108X10	F	80	24	109	65	24	44	10+0,2	20
K0684.108X12	F	80	24	109	65	24	44	12+0,2	20
K0684.110X12	F	100	28	120	65	28	55	12+0,2	20
K0684.110X14	F	100	28	120	65	28	55	14+0,3	20
K0684.112X14	F	125	34	141	83	34	58	14+0,3	25
K0684.112X17	F	125	34	141	83	34	58	17+0,3	25
K0684.116X17	F	160	37	153	83	38	70	17+0,3	25
K0684.116X19	F	160	37	153	83	38	70	19+0,3	25
K0684.120X19	F	200	40	189	105	44	84	19+0,3	32
K0684.120X22	F	200	40	189	105	44	84	22+0,3	32

## Crank handles straight

similar to DIN 469



**Material:**

Crank arm malleable or ductile iron.

**Version:**

Blasted.

**Sample order:**

K0685.120X22

**Drawing reference:**

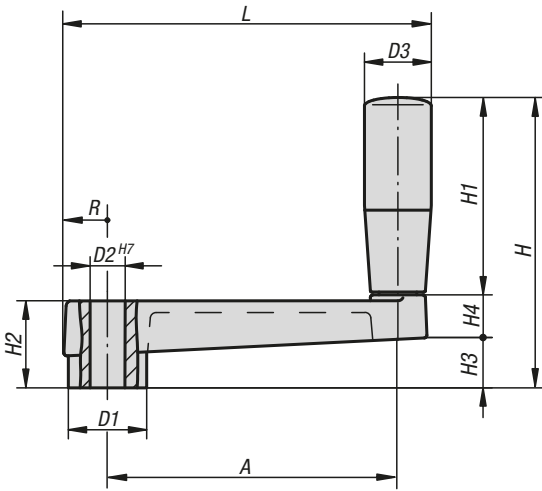
Form D: with revolving handle

Form F: with fixed handle

### KIPP Crank handles straight similar DIN 469

Order No.	Form	A	D1	H	H1	H2	H3	SW	Grip Ø
K0685.206X10	D	63	20	80	52	20	28	10+0,2	16
K0685.208X10	D	80	24	98	65	24	33	10+0,2	20
K0685.208X12	D	80	24	98	65	24	33	12+0,2	20
K0685.210X12	D	100	28	102	65	28	37	12+0,2	20
K0685.210X14	D	100	28	102	65	28	37	14+0,3	20
K0685.212X14	D	125	34	120	80	34	40	14+0,3	25
K0685.212X17	D	125	34	120	80	34	40	17+0,3	25
K0685.216X17	D	160	37	131	83	38	48	17+0,3	25
K0685.216X19	D	160	37	131	83	38	48	19+0,3	25
K0685.220X19	D	200	40	158	105	44	53	19+0,3	32
K0685.220X22	D	200	40	158	105	44	53	22+0,3	32
K0685.106X10	F	63	20	80	52	20	28	10+0,2	16
K0685.108X10	F	80	24	98	65	24	33	10+0,2	20
K0685.108X12	F	80	24	98	65	24	33	12+0,2	20
K0685.110X12	F	100	28	102	65	28	37	12+0,2	20
K0685.110X14	F	100	28	102	65	28	37	14+0,3	20
K0685.112X14	F	125	34	120	80	34	40	14+0,3	25
K0685.112X17	F	125	34	120	80	34	40	17+0,3	25
K0685.116X17	F	160	37	131	83	38	48	17+0,3	25
K0685.116X19	F	160	37	131	83	38	48	19+0,3	25
K0685.120X19	F	200	40	158	105	44	53	19+0,3	32
K0685.120X22	F	200	40	158	105	44	53	22+0,3	32

## Crank handles aluminium



**Material:**  
Aluminium.  
Grip thermoplastic.

**Version:**  
Arm powder-coated, black.  
Grip black.

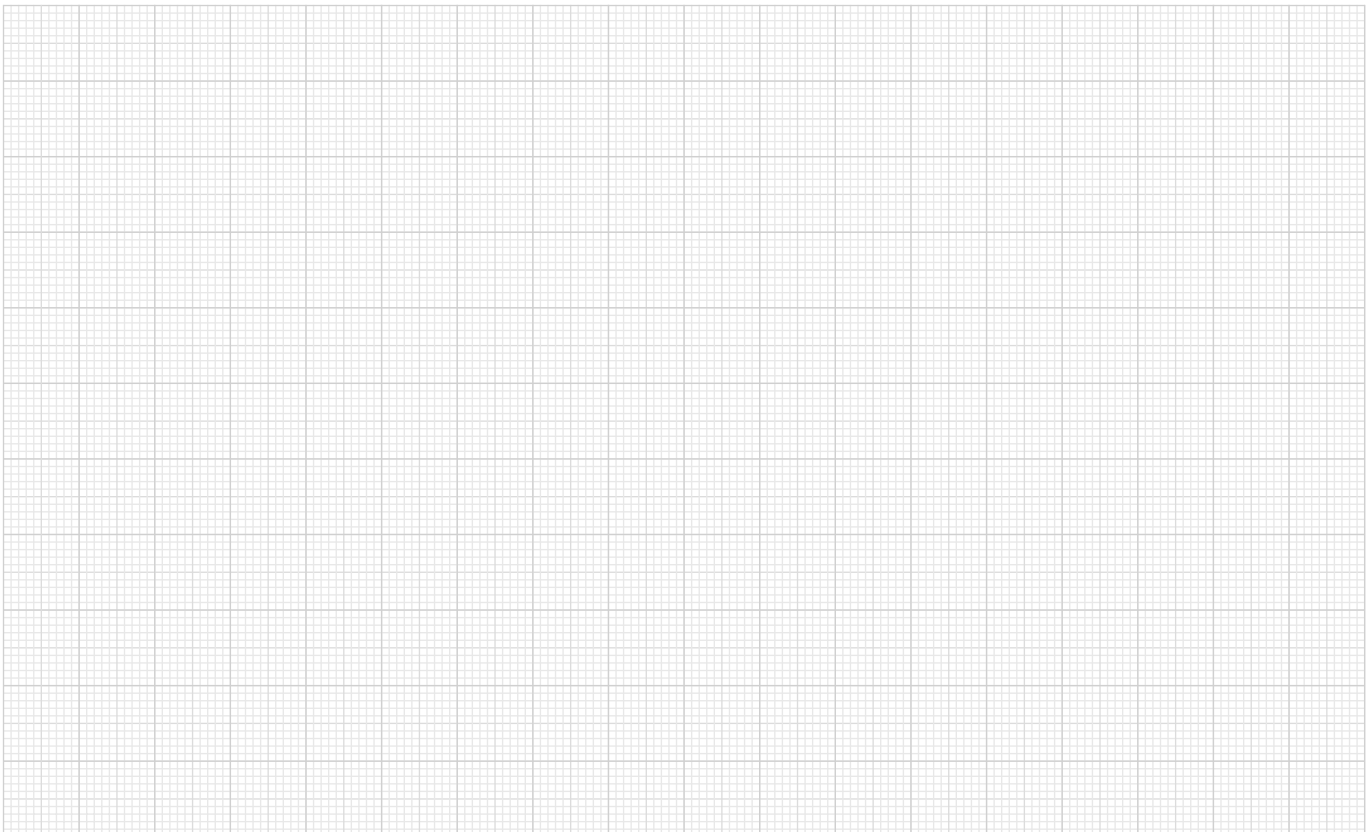
**Sample order:**  
K0727.100



### KIPP Crank handles aluminium

Order No.	A	D1	D2	D3	H	H1	H2	H3	H4	L	R
K0727.100	80	23	10	21	81	53	24	14	14	103,5	13
K0727.120	100	27	12	23	100	68	28	17	15	126,5	15
K0727.140	125	32	14	26	123	83	34	22	18	155,5	17,5

## Notes



## Crank handles aluminium

with fold-away grip



**Material:**

Crank AISi9Cu3 3.2163.  
Cylinder grip thermoplastic PA6 and steel.

**Version:**

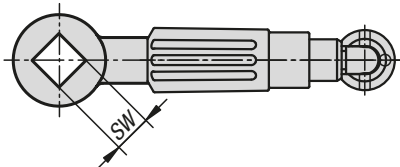
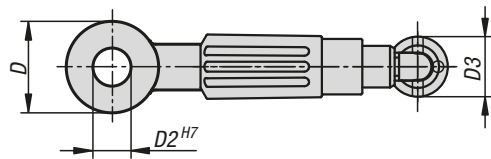
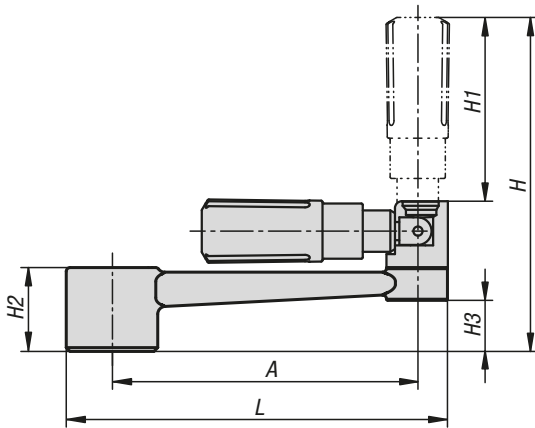
Crank black powder coated.  
Thermoplastic black.  
Steel parts black oxidised.

**Sample order:**

K0997.1110

**Note:**

Similar to DIN 469.



### KIPP Crank handles aluminium with fold-away cylinder grip

Order No.	Version 1	Version 2	A	D	D2	D3	H	H1	H2	H3	L
K0997.1110	reamed hole	without transverse hole	80	24	10	16	89	49	22	13,4	100
K0997.1212	reamed hole	without transverse hole	100	28	12	20	108	59,5	26	16	124
K0997.1314	reamed hole	without transverse hole	125	30	14	25	140	83	28	15,8	153
K0997.1417	reamed hole	without transverse hole	160	34	17	25	144	83	32	19,6	190

Order No.	Version 1	Version 2	A	D	D3	H	H1	H2	H3	L	SW
K0997.2110	square socket	without transverse hole	80	24	16	89	49	22	13,4	100	10
K0997.2212	square socket	without transverse hole	100	28	20	108	59,5	26	16	124	12
K0997.2314	square socket	without transverse hole	125	30	25	140	83	28	15,8	153	14
K0997.2417	square socket	without transverse hole	160	34	25	144	83	32	19,6	190	17

## Crank handles aluminium

with revolving grip



**Material:**

Crank AISi9Cu3 3.2163.

Revolving grip thermoplastic PA6 and steel.

**Version:**

Crank black powder coated.

Thermoplastic black.

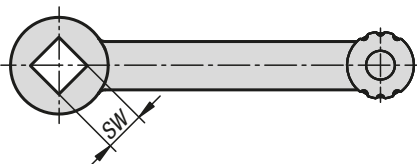
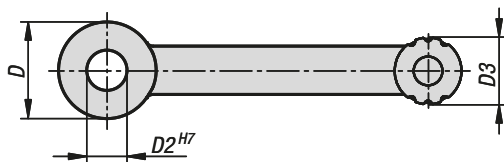
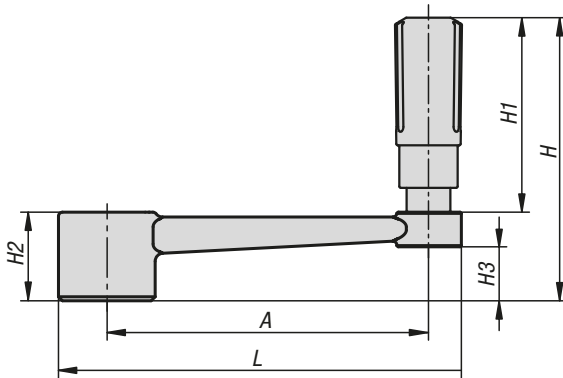
Steel parts black oxidised.

**Sample order:**

K0996.3110

**Note:**

Similar to DIN 469.



### KIPP Crank handles aluminium with cylindrical revolving grip

Order No.	Version 1	Version 2	A	D	D2	D3	H	H1	H2	H3	L
K0996.3110	reamed hole	without transverse hole	80	24	10	16	71,1	49,1	22	13,4	100
K0996.3212	reamed hole	without transverse hole	100	28	12	20	87,4	61,4	26	16	124
K0996.3314	reamed hole	without transverse hole	125	30	14	25	110,5	82,5	28	15,8	153
K0996.3417	reamed hole	without transverse hole	160	34	17	25	114,5	82,5	32	19,6	190

Order No.	Version 1	Version 2	A	D	D3	H	H1	H2	H3	L	SW
K0996.4110	square socket	without transverse hole	80	24	16	71,1	49,1	22	13,4	100	10
K0996.4212	square socket	without transverse hole	100	28	20	87,4	61,4	26	16	124	12
K0996.4314	square socket	without transverse hole	125	30	25	110,5	82,5	28	15,8	153	14
K0996.4417	square socket	without transverse hole	160	34	25	114,5	82,5	32	19,6	190	17

## Crank handles aluminium

with safety grip

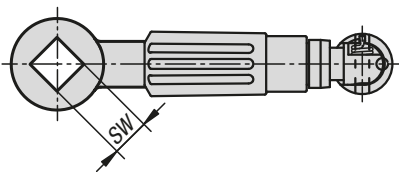
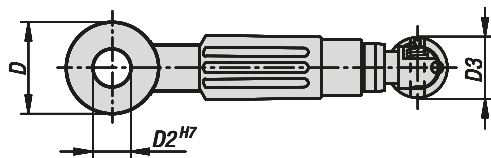
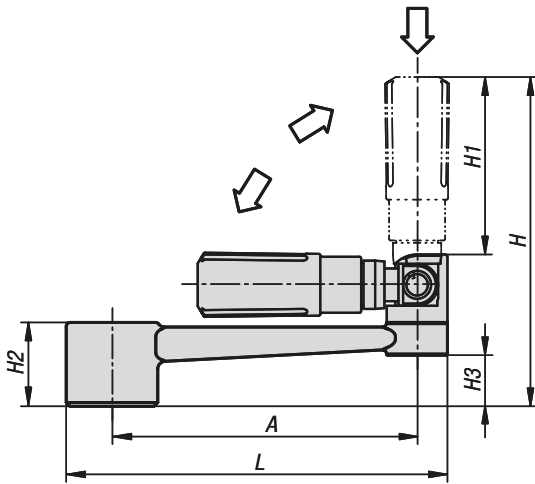


**Material:**  
Crank AISi9Cu3 3.2163.  
Safety cylinder grip thermoplastic PA6 and steel.

**Version:**  
Crank black powder coated.  
Thermoplastic black.  
Steel parts black oxidised.

**Sample order:**  
K0998.1110

**Note:**  
Similar to DIN 469.



### KIPP Crank handle aluminium with safety cylinder grip

Order No.	Version 1	Version 2	A	D	D2	D3	H	H1	H2	H3	L
K0998.1110	reamed hole	without transverse hole	80	24	10	16	87,5	47,5	22	13,6	100
K0998.1212	reamed hole	without transverse hole	100	28	12	20	107	58,5	25	16	124
K0998.1314	reamed hole	without transverse hole	125	30	14	25	139	82	28	15,8	153
K0998.1417	reamed hole	without transverse hole	160	34	17	25	143	82	32	19,6	190

Order No.	Version 1	Version 2	A	D	D3	H	H1	H2	H3	L	SW
K0998.2110	square socket	without transverse hole	80	24	16	87,5	47,5	22	13,6	100	10
K0998.2212	square socket	without transverse hole	100	28	20	107	58,5	25	16	124	12
K0998.2314	square socket	without transverse hole	125	30	25	139	82	28	15,8	153	14
K0998.2417	square socket	without transverse hole	160	34	25	143	82	32	19,6	190	17

## Crank handles stainless steel

with revolving grip



**Material:**

Crank stainless steel 1.4308.  
Axle pin and revolving grip stainless steel 1.4305.  
Retaining ring stainless steel 1.4310.

**Version:**

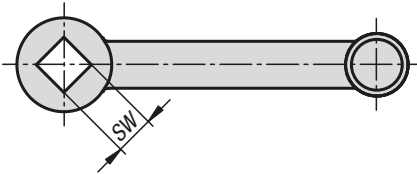
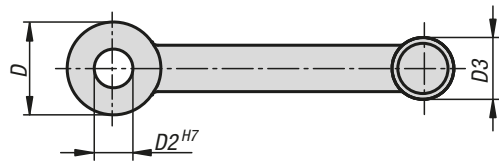
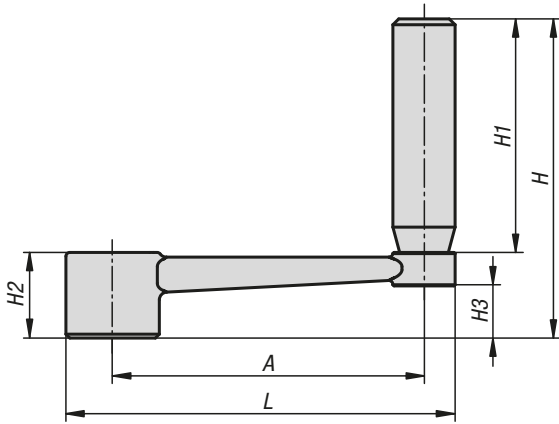
Bright.

**Sample order:**

K0999.3110

**Note:**

Similar to DIN 469.



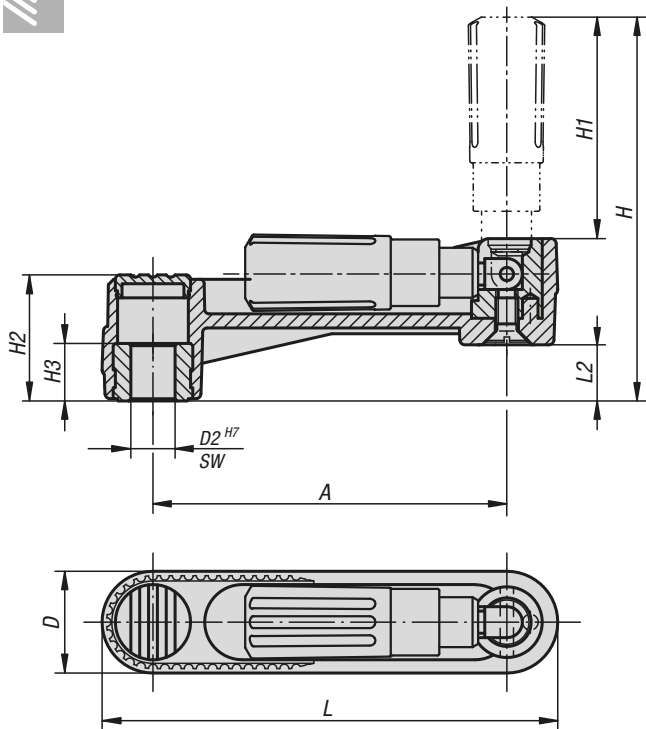
### KIPP Crank handles stainless steel with cylindrical revolving grip

Order No.	Version 1	Version 2	A	D	D2	D3	H	H1	H2	H3	L
K0999.3110	reamed hole	revolving	80	24	10	16	82	60	22	13,4	100
K0999.3212	reamed hole	revolving	100	28	12	20	98	72	26	16	124
K0999.3314	reamed hole	revolving	125	30	14	26	118	90	28	15,8	153
K0999.3417	reamed hole	revolving	160	34	17	26	122	90	32	19,6	190

Order No.	Version 1	Version 2	A	D	D3	H	H1	H2	H3	L	SW
K0999.4110	square socket	revolving	80	24	16	82	60	22	13,4	100	10
K0999.4212	square socket	revolving	100	28	20	98	72	26	16	124	12
K0999.4314	square socket	revolving	125	30	26	118	90	28	15,8	153	14
K0999.4417	square socket	revolving	160	34	26	122	90	32	19,6	190	17

## Crank handles

with fold-down grip



**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0266.1108

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

### KIPP Crank handles with fold-down grip

Order No.	Version 1	Version 2	A	D	D2	H	H1	H2	H3	L	L2
K0266.1108	reamed hole	without transverse hole	80	24	8	85,7	49	28,5	13	104	12,7
K0266.1110	reamed hole	without transverse hole	80	24	10	85,7	49	28,5	13	104	12,7
K0266.1210	reamed hole	without transverse hole	100	29	10	105,2	49	35,5	13	129	15,7
K0266.1212	reamed hole	without transverse hole	100	29	12	105,2	59,5	35,5	13	129	15,7
K0266.1312	reamed hole	without transverse hole	125	36	12	140	83	44	18,5	161	19,5
K0266.1314	reamed hole	without transverse hole	125	36	14	140	83	44	18,5	161	19,5

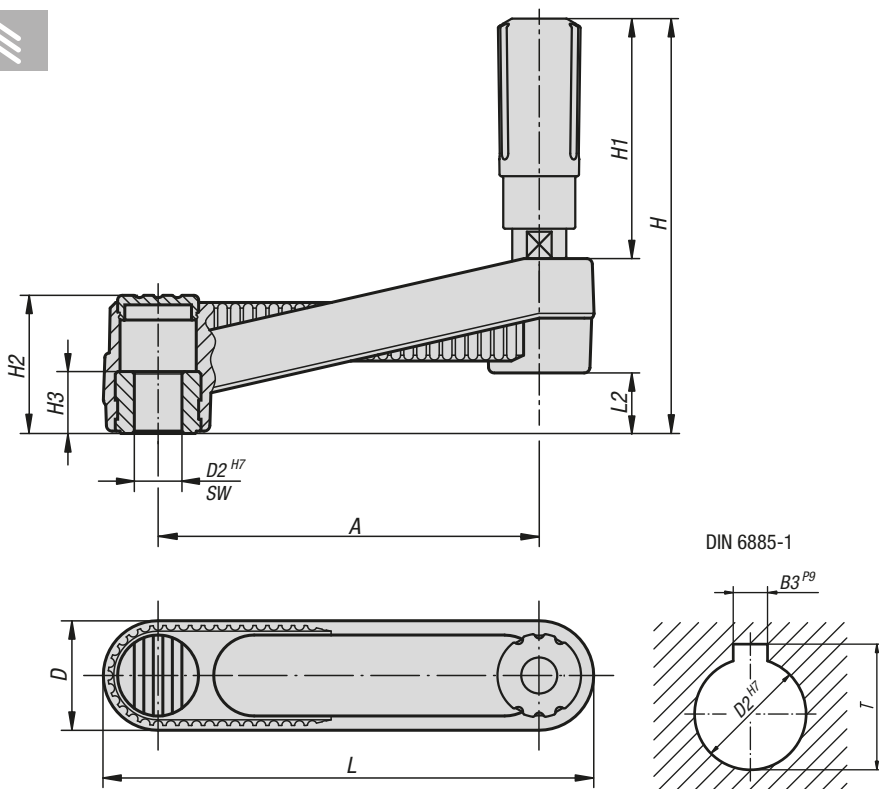
Order No.	Version 1	Version 2	A	B3	D	D2	H	H1	H2	H3	L	L2	T
K0266.110802	reamed hole with slot	without transverse hole	80	2	24	8	85,7	49	28,5	13	104	12,7	9
K0266.111003	reamed hole with slot	without transverse hole	80	3	24	10	85,7	49	28,5	13	104	12,7	11,4
K0266.121003	reamed hole with slot	without transverse hole	100	3	29	10	105,2	59,5	35,5	13	129	15,7	11,4
K0266.121204	reamed hole with slot	without transverse hole	100	4	29	12	105,2	59,5	35,5	13	129	15,7	13,8
K0266.131204	reamed hole with slot	without transverse hole	125	4	36	12	140	83	44	18,5	161	19,5	13,8
K0266.131405	reamed hole with slot	without transverse hole	125	5	36	14	140	83	44	18,5	161	19,5	16,3

Order No.	Version 1	Version 2	A	D	H	H1	H2	H3	L	L2	SW
K0266.2108	square socket	without transverse hole	80	24	85,7	49	28,5	13	104	12,7	8
K0266.2110	square socket	without transverse hole	80	24	85,7	49	28,5	13	104	12,7	10
K0266.2210	square socket	without transverse hole	100	29	105,2	59,5	35,5	13	129	15,7	10
K0266.2212	square socket	without transverse hole	100	29	105,2	59,5	35,5	13	129	15,7	12
K0266.2312	square socket	without transverse hole	125	36	140	83	44	18,5	161	19,5	12
K0266.2314	square socket	without transverse hole	125	36	140	83	44	18,5	161	19,5	14



## Crank handles

with revolving grip



**Material:**  
Black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0659.3108

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



### KIPP Crank handles with revolving grip

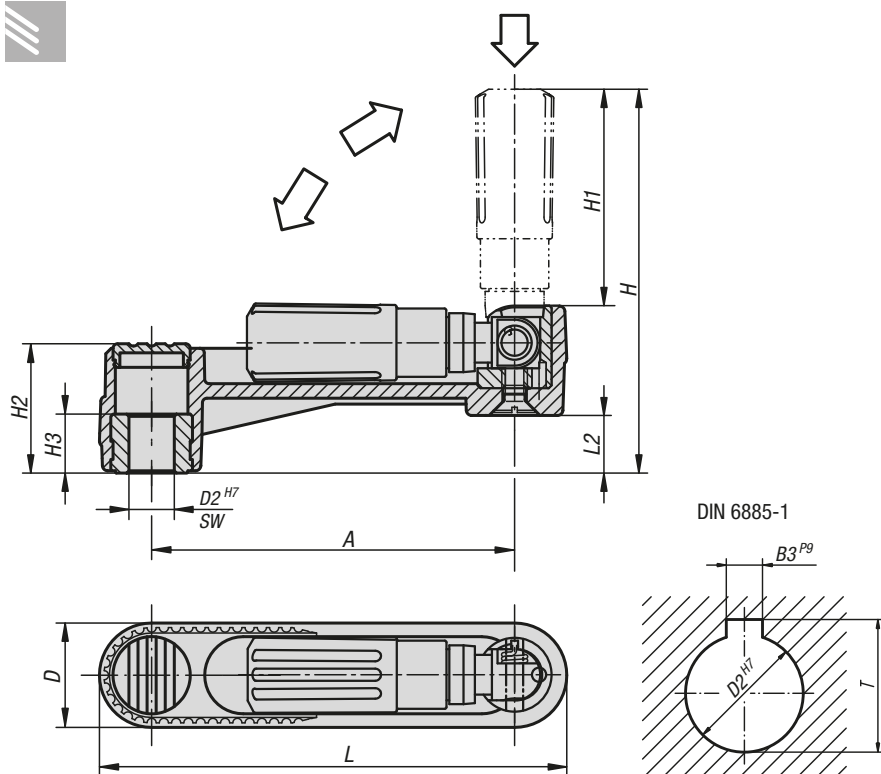
Order No.	Version 1	Version 2	A	D	D2	H	H1	H2	H3	L	L2
K0659.3108	reamed hole	without transverse hole	80	24	8	85,8	49,1	28,5	13	104	12,7
K0659.3110	reamed hole	without transverse hole	80	24	10	85,8	49,1	28,5	13	104	12,7
K0659.3210	reamed hole	without transverse hole	100	29	10	107,1	61,4	35,5	13	129	15,7
K0659.3212	reamed hole	without transverse hole	100	29	12	107,1	61,4	35,5	13	129	15,7
K0659.3312	reamed hole	without transverse hole	125	36	12	139,5	82,5	44	18,5	161	19,5
K0659.3314	reamed hole	without transverse hole	125	36	14	139,5	82,5	44	18,5	161	19,5

Order No.	Version 1	Version 2	A	B3	D	D2	H	H1	H2	H3	L	L2	T
K0659.310802	reamed hole with slot	without transverse hole	80	2	24	8	85,8	49,1	28,5	13	104	12,7	9
K0659.311003	reamed hole with slot	without transverse hole	80	3	24	10	85,8	49,1	28,5	13	104	12,7	11,4
K0659.321003	reamed hole with slot	without transverse hole	100	3	29	10	107,1	61,4	35,5	13	129	15,7	11,4
K0659.321204	reamed hole with slot	without transverse hole	100	4	29	12	107,1	61,4	35,5	13	129	15,7	13,8
K0659.331204	reamed hole with slot	without transverse hole	125	4	36	12	139,5	82,5	44	18,5	161	19,5	13,8
K0659.331405	reamed hole with slot	without transverse hole	125	5	36	14	139,5	82,5	44	18,5	161	19,5	16,3

Order No.	Version 1	Version 2	A	D	H	H1	H2	H3	L	L2	SW
K0659.4108	square socket	without transverse hole	80	24	85,8	49,1	28,5	13	104	12,7	8
K0659.4110	square socket	without transverse hole	80	24	85,8	49,1	28,5	13	104	12,7	10
K0659.4210	square socket	without transverse hole	100	29	107,1	61,4	35,5	13	129	15,7	10
K0659.4212	square socket	without transverse hole	100	29	107,1	61,4	35,5	13	129	15,7	12
K0659.4312	square socket	without transverse hole	125	36	139,5	82,5	44	18,5	161	19,5	12
K0659.4314	square socket	without transverse hole	125	36	139,5	82,5	44	18,5	161	19,5	14

## Crank handles

with safety grip



**Material:**  
Arm and grip black grey thermoplastic.

**Version:**  
Steel parts black oxidised.

**Sample order:**  
K0268.1108

**Note:**  
The hub cover is supplied loose.  
The crank handles can be secured to the shaft by cross-pinning or by parallel key together with a DIN 6912 socket head screw and DIN 7349 washer.  
Two actions must be made to bring the safety grip into an operating position:  
- Swing the grip out until it stops (90°).  
- Push the grip in until it locks.  
The pushed-in position is the most comfortable for cranking. The grip swings back automatically after releasing.

### KIPP Crank handles with safety grip

Order No.	Version 1	Version 2	A	D	D2	H	H1	H2	H3	L	L2
K0268.1108	reamed hole	without transverse hole	80	24	8	84,2	47,5	28,5	13	104	12,7
K0268.1110	reamed hole	without transverse hole	80	24	10	84,2	47,5	28,5	13	104	12,7
K0268.1210	reamed hole	without transverse hole	100	29	10	104,2	58,5	35,5	13	129	15,7
K0268.1212	reamed hole	without transverse hole	100	29	12	104,2	58,5	35,5	13	129	15,7
K0268.1312	reamed hole	without transverse hole	125	36	12	139	82	44	18,5	161	19,5
K0268.1314	reamed hole	without transverse hole	125	36	14	139	82	44	18,5	161	19,5

Order No.	Version 1	Version 2	A	B3	D	D2	H	H1	H2	H3	L	L2	T
K0268.110802	reamed hole with slot	without transverse hole	80	2	24	8	84,2	47,5	28,5	13	104	12,7	9
K0268.111003	reamed hole with slot	without transverse hole	80	3	24	10	84,2	47,5	28,5	13	104	12,7	11,4
K0268.121003	reamed hole with slot	without transverse hole	100	3	29	10	104,2	58,5	35,5	13	129	15,7	11,4
K0268.121204	reamed hole with slot	without transverse hole	100	4	29	12	104,2	58,5	35,5	13	129	15,7	13,8
K0268.131204	reamed hole with slot	without transverse hole	125	4	36	12	139	82	44	18,5	161	19,5	13,8
K0268.131405	reamed hole with slot	without transverse hole	125	5	36	14	139	82	44	18,5	161	19,5	16,3

Order No.	Version 1	Version 2	A	D	H	H1	H2	H3	L	L2	SW
K0268.2108	square socket	without transverse hole	80	24	84,2	47,5	28,5	13	104	12,7	8
K0268.2110	square socket	without transverse hole	80	24	84,2	47,5	28,5	13	104	12,7	10
K0268.2210	square socket	without transverse hole	100	29	104,2	58,5	35,5	13	129	15,7	10
K0268.2212	square socket	without transverse hole	100	29	104,2	58,5	35,5	13	129	15,7	12
K0268.2312	square socket	without transverse hole	125	36	139	82	44	18,5	161	19,5	12
K0268.2314	square socket	without transverse hole	125	36	139	82	44	18,5	161	19,5	14

## Crank handles balanced

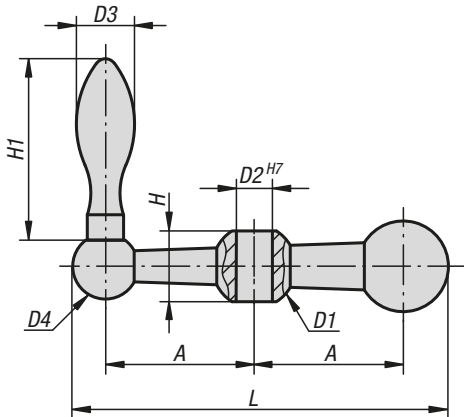


**Material:**  
Steel.

**Version:**  
Electro zinc-plated.

**Sample order:**  
K0728.108

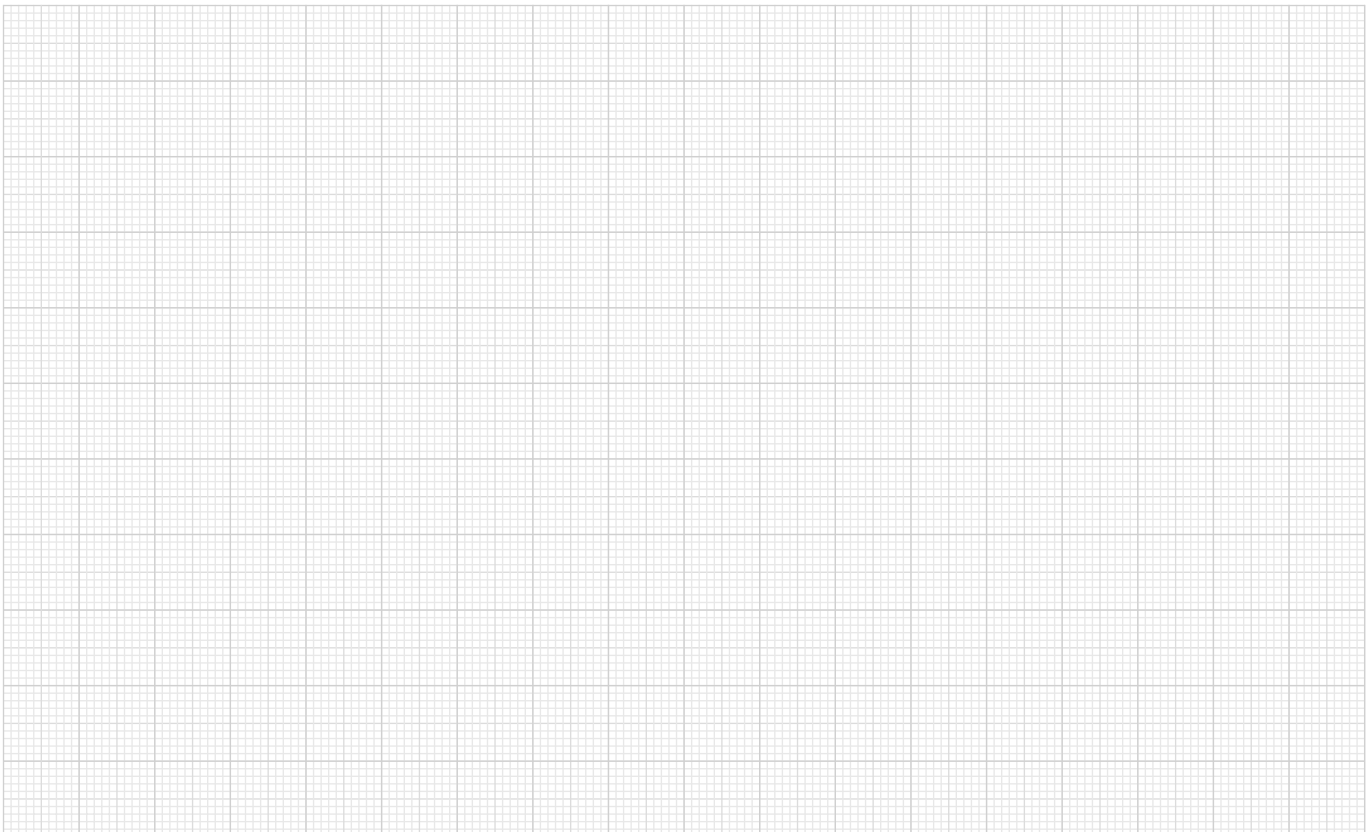
**Note:**  
Fixed handle DIN 39.



### KIPP Balanced handles

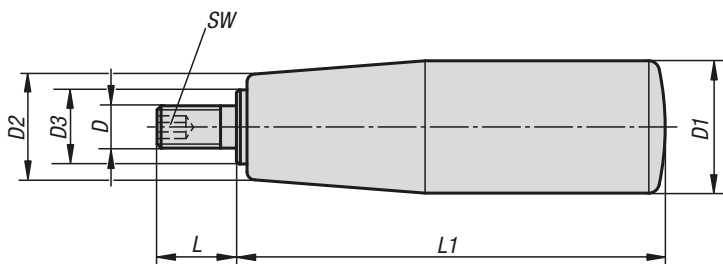
Order No.	A	D1	D2	D3	D4	H	H1	L
K0728.107	25	16	7	10	13	13	32	65,5
K0728.108	34	20	8	14	16	17	46	87
K0728.110	41	23	10	16	18	19,5	50	103,5
K0728.112	50	26	12	18	20	21,5	56	124

## Notes



## Cylindrical grips revolving

with hexagon socket



**Material:**

Grip thermoplastic.  
Steel parts electro zinc-plated.

**Version:**

Black satin finished.

**Sample order:**

K0740.08230620

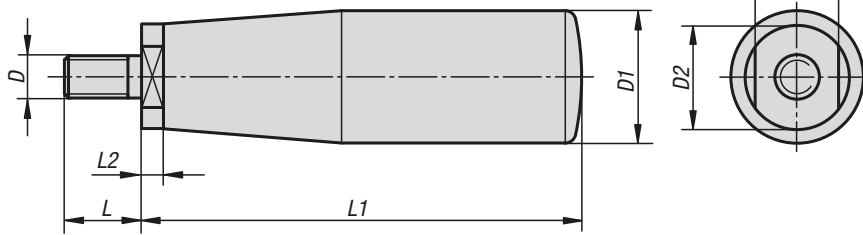
**Note:**

Cylindrical grips can be screwed onto our handwheels, crank handles etc.

### KIPP Cylinder grips revolving with hexagon socket

Order No.	D	D1	D2	D3	L	L1	SW
K0740.06200520	M6	20	15	10	12	51	3
K0740.06230620	M6	23	18	10	12	62	3
K0740.08230620	M8	23	18	10	15	62	4
K0740.08250720	M8	25	19	10	15	71	4
K0740.10250720	M10	25	19	10	15	71	4
K0740.08250810	M8	26	22	14	15	81	4
K0740.10250810	M10	26	22	14	15	81	5
K0740.12260820	M12	26	22	14	15	81	5
K0740.10270930	M10	27	22	14	15	92	5
K0740.12270930	M12	27	22	14	15	92	5

## Cylindrical grips revolving



**Material:**  
Grip thermoplastic.  
Steel parts electro zinc-plated.

**Version:**  
Black satin finished.

**Sample order:**  
K0774.08230600

**Note:**  
Cylindrical grips can be screwed onto our handwheels, crank handles etc.



### KIPP Cylindrical revolving grips

Order No.	D	D1	D2	L	L1	L2	SW
K0774.06200500	M6	20	12	12	55	5	10
K0774.08230600	M8	23	14	15	67	7	13
K0774.08250690	M8	25	14	15	77	7	13
K0774.10250690	M10	25	14	15	77	7	13
K0774.10250800	M10	26	18	15	86	7	16
K0774.12250800	M12	26	18	15	86	7	16
K0774.10270890	M10	27	18	15	97	7	16
K0774.12270890	M12	27	18	15	97	7	16

**Cylindrical grips fold-down**

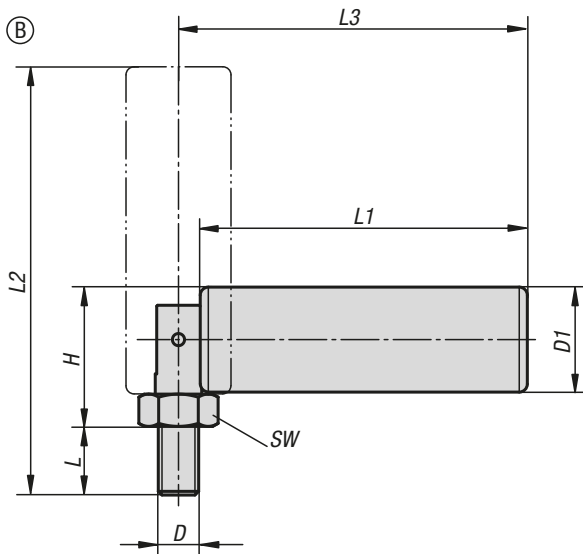
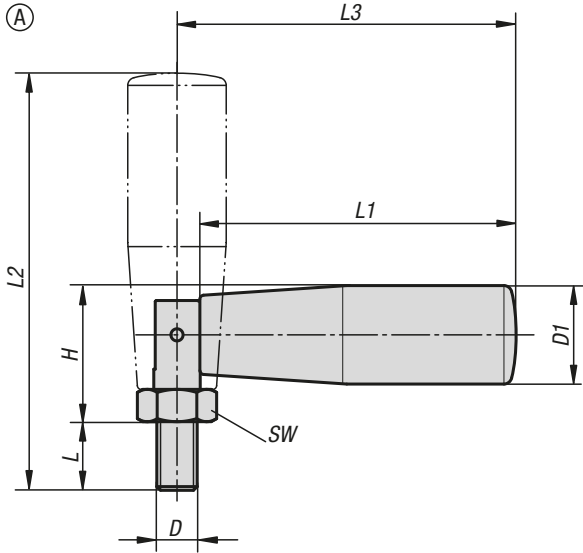


**Material:**  
Grip thermoplastic.  
Steel parts black oxidised.

**Version:**  
Black satin finished.

**Sample order:**  
K0775.10260890

**Note:**  
Cylindrical grips can be screwed onto our handwheels, crank handles etc.

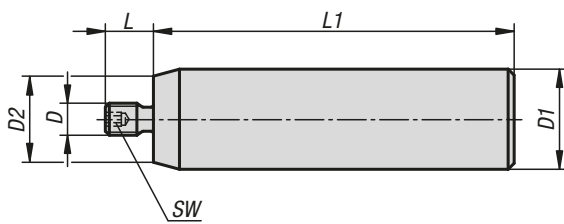


**KIPP Cylindrical grips fold-down**

Order No.	Form	D	D1	SW	L	L1	L2	L3	H
K0775.06200490	A	M6	20	10	9	49	63	53	24,5
K0775.08250690	A	M8	25	13	11	70	87,5	74	28
K0775.10260890	B	M10	26	17	16	90	114	96	34

## Cylindrical grips revolving

stainless steel



**Material:**

Axis and revolving grip stainless steel 1.4305.  
Snap ring stainless steel 1.4310.

**Version:**

Bright.

**Sample order:**

K1000.105

**Assembly:**

Screw in using hexagon socket in axis.

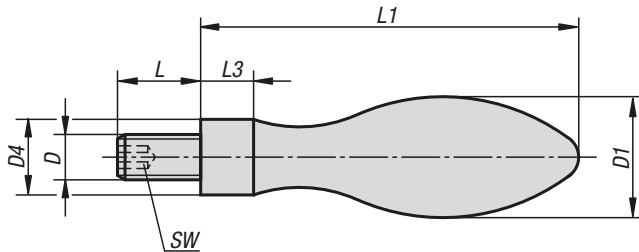


### KIPP Cylindrical grips, revolving, stainless steel

Order No.	D	D1	D2	L	L1	SW
K1000.105	M5	16	12,5	8	60	3
K1000.206	M6	20	16,5	9	72	3
K1000.308	M8	25	21,5	12	90	3

## Machine handles fixed

steel, DIN 39 Form E



**Material:**  
Steel

**Version:**  
Trivalent blue passivated.

**Sample order:**  
K0166.0616050

**Note:**  
Machine handle suitable for DIN 950 handwheels.

### KIPP Machine handles fixed, steel, DIN 39 Form E

Order No.	D	D1	D4	L	L1	L3	SW
K0166.0616050	M6	16	10	11	50	7	3
K0166.0820064	M8	20	13	13	64	8	4
K0166.1025080	M10	25	16	14	80	10	5
K0166.1232100	M12	32	20	21	100	13	6
K0166.1636112	M16	36	22	26	112	14	8

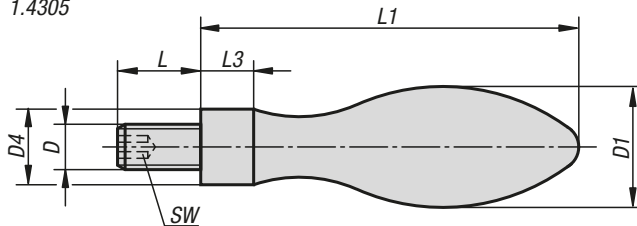
# K1199

## Machine handles fixed

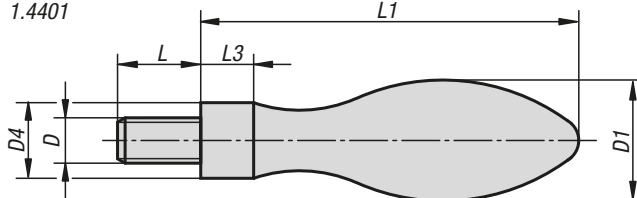
DIN 39 Form E, stainless steel



1.4305



1.4401



**Material:**  
1.4305 or 1.4401 stainless steel.

**Version:**  
Electropolished.

**Sample order:**  
K1199.0616050

**Note:**  
1.4401 stainless steel, similar to DIN 39.  
Grip suitable for DIN 950 handwheels.

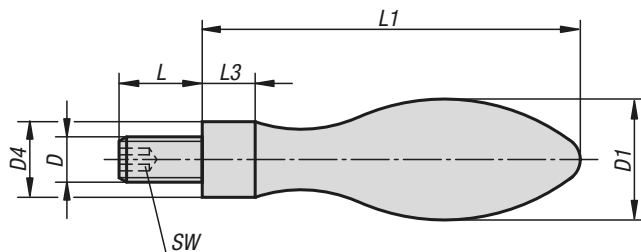
### KIPP Machine handles, fixed, DIN 39 Form E, stainless steel

Order No.	Steel code	Version 2	D	D1	D4	L	L1	L3	SW
K1199.0616050	1.4305	with hexagon socket	M6	16	10	11	50	7	3
K1199.0820064	1.4305	with hexagon socket	M8	20	13	13	64	8	4
K1199.1025080	1.4305	with hexagon socket	M10	25	16	14	80	10	5
K1199.10616050	1.4401	without hexagon socket	M6	16	11	13	51	5,1	-
K1199.10820064	1.4401	without hexagon socket	M8	21	14	14	67	8,75	-
K1199.11025080	1.4401	without hexagon socket	M10	25	16	18	81	9,75	-



## Machine handles fixed

aluminium, DIN 39 Form E



**Material:**  
Grip aluminium.  
Screw steel.

**Version:**  
Grip polished.  
Screw black.

**Sample order:**  
K0167.0616050

**Note:**  
Machine handle suitable for DIN 950 handwheels.

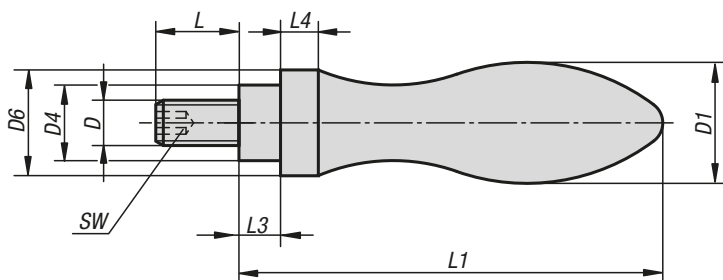
### KIPP Machine handles fixed, aluminium, DIN 39 Form E

Order No.	D	D1	D4	L	L1	L3	SW
K0167.0616050	M6	16	10	11	50	7	3
K0167.0820064	M8	20	13	13	64	8	4
K0167.1025080	M10	25	16	14	80	10	5
K0167.1232100	M12	32	20	21	100	13	6
K0167.1636112	M16	36	22	26	112	14	8

# K0168

## Machine handles revolving

similar to DIN 98 Form E, steel



**Material:**  
Grip and screw steel.

**Version:**  
Grip and axle part trivalent blue passivated.

**Sample order:**  
K0168.0616055

**Note:**  
The handles with D1=25 mm and 32 mm have a thread length L2 that is shorter than the length specified in DIN 98. These machine handles are suitable for DIN 950 handwheels.

### KIPP Machine handles revolving, similar to DIN 98 Form E, steel

Order No.	D	D1	D4	D6	L	L1	L3	L4	SW
K0168.0616055	M6	16	10	14	11	54,5	5,5	5	3
K0168.0820067	M8	20	13	18	13	67	6	6	4
K0168.1025083	M10	25	16	21	13	83	8	6,5	5
K0168.1232105	M12	32	20	26	16	105,5	10,5	8	6
K0168.1636117	M16	36	22	29	26	117	11	9	8

## Machine handles revolving

similar to DIN 98 Form E, stainless steel

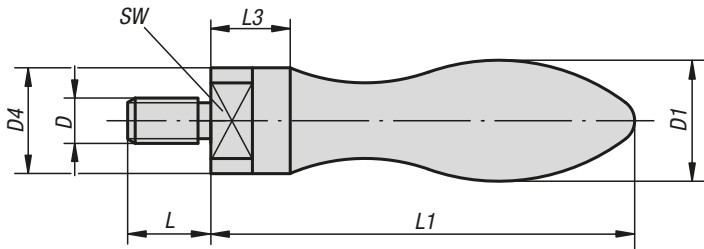


**Material:**  
Stainless steel 1.4404.

**Version:**  
Polished

**Sample order:**  
K1209.10616050

**Note:**  
Machine handle suitable for DIN 950 handwheels.



### KIPP Machine handles, revolving, similar to DIN 98 Form E, stainless steel

Order No.	D	D1	D4	L	L1	L3	SW
K1209.10616050	M6	16	11	13	56	11	8
K1209.10820064	M8	20	13,5	14	72	13	10
K1209.11025080	M10	24	16	16	86	15	11

# K0169

## Machine handles revolving

aluminium, similar to DIN 98 Form E

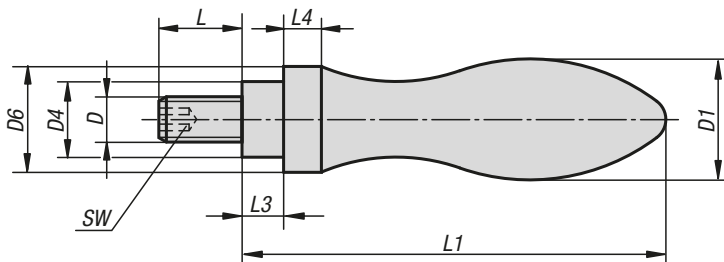


**Material:**  
Grip aluminium.  
Screw steel.

**Version:**  
Grip polished.  
Axle trivalent blue passivated.

**Sample order:**  
K0169.0616055

**Note:**  
Machine handle suitable for DIN 950 handwheels.

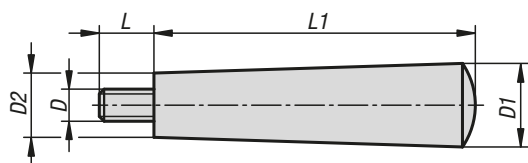


### KIPP Machine handles revolving, aluminium, similar to DIN 98 Form E

Order No.	D	D1	D4	D6	L	L1	L3	L4	SW
K0169.0616055	M6	16	10	14	11	54,5	5,5	5	3
K0169.0820067	M8	20	13	18	13	67	6	6	4
K0169.1025083	M10	25	16	21	13	83	8	6,5	5
K0169.1232105	M12	32	20	26	16	105,5	10,5	8	6
K0169.1636117	M16	36	22	29	26	117	11	9	8

# K1221

## Taper grips fixed



**Material:**  
Black thermoset PF 31.  
Screw electro zinc-plated steel.

**Version:**  
High-gloss polished.

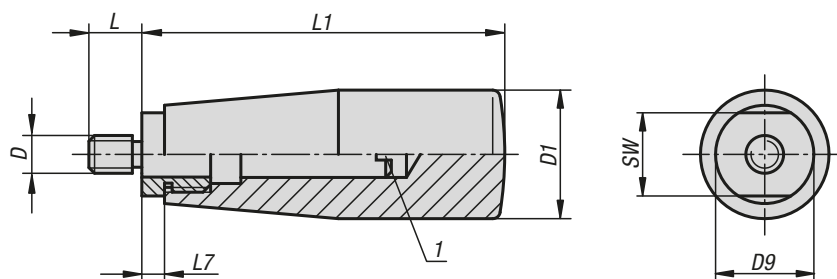
**Sample order:**  
K1221.120408

### KIPP Taper grips, fixed

Order No.	D	D1	D2	L	L1
K1221.120408	M4	12	9	8	40
K1221.150507	M5	15	11	7	50
K1221.180608	M6	18	13	8	64
K1221.210610	M6	21	15	10	72
K1221.210810	M8	21	15	10	72
K1221.250810	M8	25	17	10	90
K1221.261012	M10	26	20	12	100

# K0170

## Taper grips revolving



**Material:**  
Black thermoset PF 31.  
Centre pin and tapped bush electro zinc-plated steel or bright stainless steel.

**Version:**  
High-gloss polished.

**Sample order:**  
K0170.105007

**Note:**  
To mount unscrew the axle.

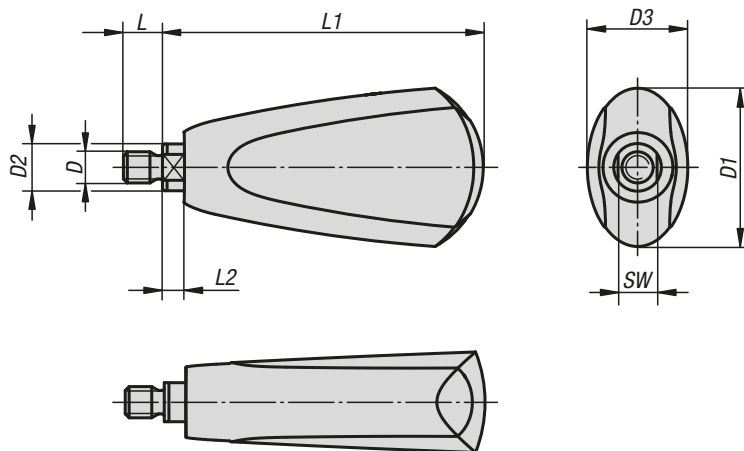
**Drawing reference:**  
1) mounting aid

### KIPP Taper grips revolving

Order No. steel	Order No. stainless steel	D	D1	D9	L	L1	L7	SW
K0170.105007	K0170.1105007	M5	17	15	7	51	5	13
K0170.206008	K0170.1206008	M6	23	18	8	68	6	16
K0170.208009	K0170.1208009	M8	23	18	9	68	6	16
K0170.310011	K0170.1310011	M10	28	21	11	77	7	19

## Taper grips revolving

oval



**Material:**

Thermoset PF 31, black.  
Centre pin nickel-plated steel or bright 1.4305 stainless steel.  
Snap ring 1.4310 stainless steel.

**Version:**

High-gloss polished.

**Sample order:**

K0651.106009

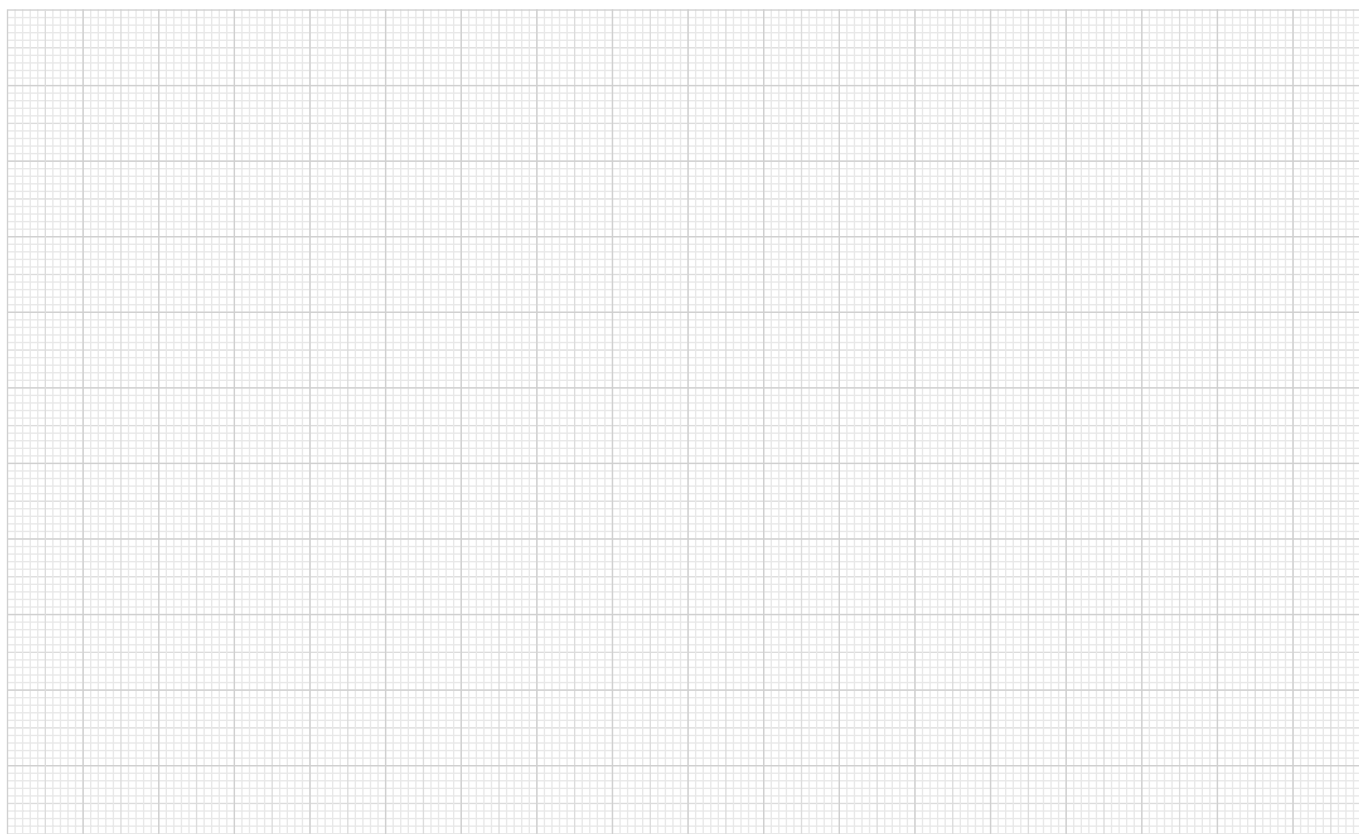
**Note:**

These grips are suitable as replacement handles for disc handwheels K0164.

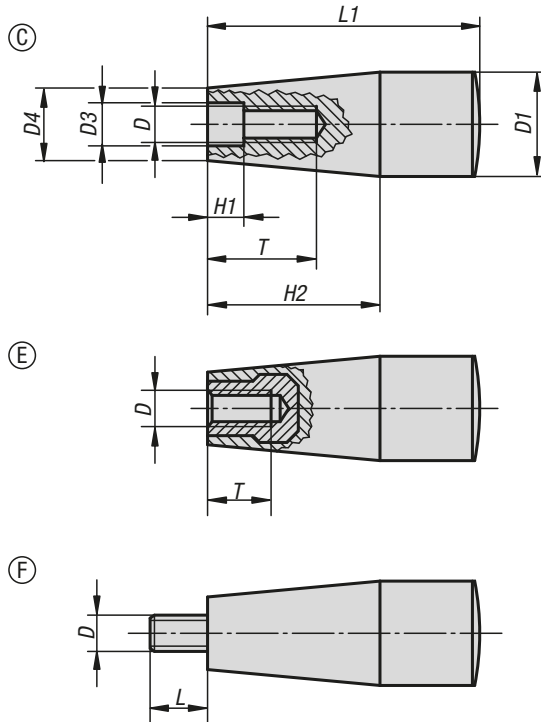
### KIPP Taper grips revolving, oval

Order No. steel	Order No. stainless steel	D	D1	D2	D3	L	L1	L2	SW
K0651.106009	K0651.1106009	M6	25	8	18	9	54,7	4,5	7
K0651.208010	K0651.1208010	M8	41	12	26	10	82,2	5,5	10

## Notes



## Taper grips



**Material:**

Thermoset PF 31, black.

Steel bush and stud, electro zinc-plated.

**Version:**

High-gloss polished.

**Sample order:**

K0172.106

**Note:**

The versions K0172.205 and K0172.206 have a brass bush.

The versions K0172.208 and K0172.2081 have a copper-plated steel bush.

**On request:**

Other colours.

**Drawing reference:**

Form C: moulded female thread

Form E: tapped bush

Form F: male thread

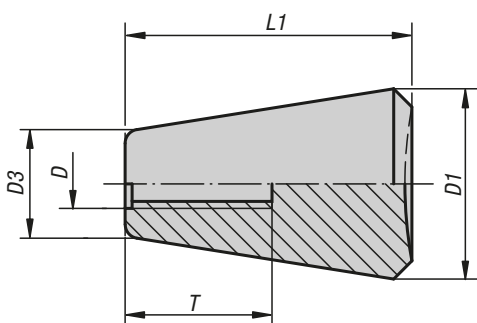
### KIPP Taper grips with internal thread

Order No.	Form	D	D1	D3	D4	H1	H2	L1	T
K0172.106	C	M6	17	6,2	15	2	26	45	14
K0172.108	C	M8	17	8,2	13	2	26	45	16
K0172.1081	C	M8	23	8,5	18	2	38	61	24
K0172.110	C	M10	29	10,5	21	3,5	42	71	28
K0172.205	E	M5	17	-	15	-	26	45	10
K0172.206	E	M6	17	-	15	-	26	45	9
K0172.208	E	M8	23	-	18	-	38	61	14
K0172.2081	E	M8	28	-	21	-	42	71	14

### KIPP Taper grips with external thread

Order No.	Form	D	D1	D4	H2	L	L1
K0172.306	F	M6	17	15	26	18	45
K0172.308	F	M8	23	18	38	12	61
K0172.310	F	M10	29	21	42	20	71

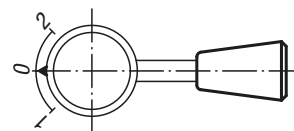
## Tapered knobs



**Material:**  
Black thermoset PF 31

**Version:**  
Moulded thread.

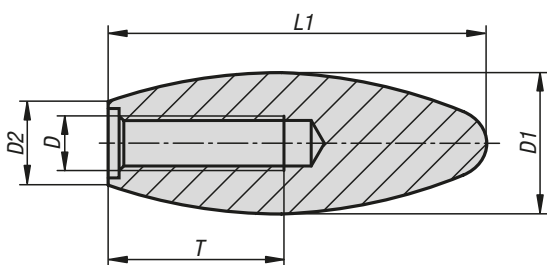
**Sample order:**  
K1207.06



### KIPP Tapered knobs

Order No.	D	D1	D3	L1	T
K1207.05	M5	20	12	30	15
K1207.061	M6	20	12	30	18
K1207.06	M6	25	15	38	19
K1207.081	M8	25	15	38	18
K1207.08	M8	30	18	46	16
K1207.101	M10	30	18	46	18
K1207.10	M10	35	21	53	19
K1207.12	M12	35	21	53	21

## Conical knobs



**Material:**  
Black thermoset PF 31

**Version:**  
High-gloss polished.

**Sample order:**  
K1222.120

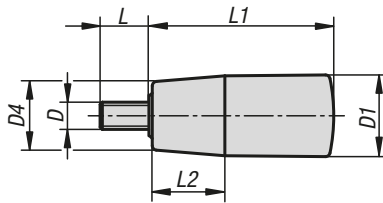


### KIPP Conical knobs

Order No.	D	D1	D2	L1	T
K1222.050	M5	14	7	34	25
K1222.060	M6	23	14	60	17
K1222.080	M8	22	14	60	25
K1222.081	M8	26	16	70	19
K1222.100	M10	27	15,5	70	25
K1222.101	M10	35	22	85	25
K1222.120	M12	27	15,5	70	25
K1222.121	M12	35	22	85	25
K1222.160	M16	35	22	85	30

## Conical grips

revolving



**Material:**

Thermoset PF 31, black.

Centre pin electro zinc-plated steel or bright stainless steel.

**Version:**

High-gloss polished.

**Sample order:**

K1201.10618

**Note:**

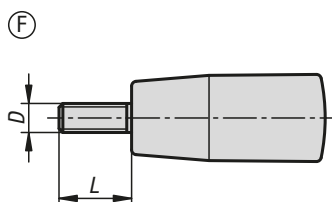
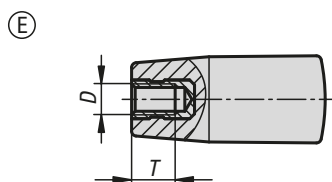
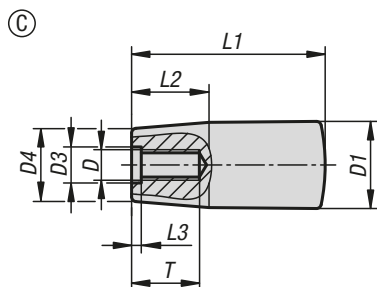
Cylindrical grips can be screwed onto our handwheels, crank handles etc.

### KIPP Conical grip revolving

Order No. steel	Order No. stainless steel	D	D1	D4	L	L1	L2
K1201.0618	K1201.10618	M6	18	15	11	40,5	16
K1201.0823	K1201.10823	M8	23	19	13	65,5	24
K1201.1028	K1201.11028	M10	28	22	14	90,5	32



## Taper grips



**Material:**  
Thermoset PF 31, black.  
Steel bush and stud, electro zinc-plated.

**Version:**  
High-gloss polished.

**Sample order:**  
K1202.10818

**On request:**  
Other colours.

**Drawing reference:**  
Form C: moulded female thread  
Form E: tapped bush  
Form F: male thread

### KIPP Taper grips with female thread

Order No.	Form	D	D1	D3	D4	L1	L2	L3	T
K1202.10618	C	M6	18	6,2	15	40	16	2	14
K1202.10818	C	M8	18	8,5	15	40	16	2	18
K1202.10823	C	M8	23	8,5	19	65	24	2	18
K1202.11028	C	M10	28	10,5	22	90	32	3,5	22
K1202.20518	E	M5	18	-	15	40	16	-	7,5
K1202.20618	E	M6	18	-	15	40	16	-	9
K1202.20823	E	M8	23	-	19	65	24	-	12
K1202.20828	E	M8	28	-	22	90	32	-	12
K1202.21028	E	M10	28	-	22	90	32	-	15

### KIPP Taper grips with male thread

Order No.	Form	D	D1	D4	L	L1	L2
K1202.30618	F	M6	18	15	15	40	16
K1202.30823	F	M8	23	19	15	65	24
K1202.31028	F	M10	28	22	15	90	32

## Handwheel washers



**Material:**  
Steel.  
Stainless steel 1.4305.

**Version:**  
Steel black oxidised.  
Stainless steel bright.

**Sample order:**  
K0173.00416

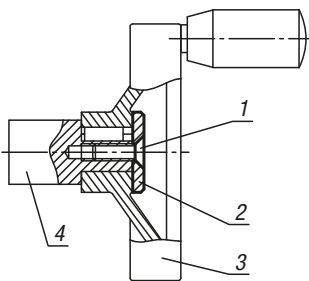
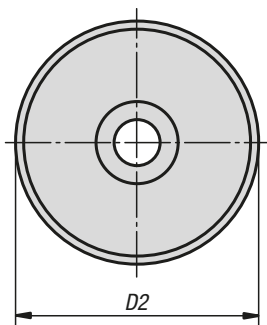
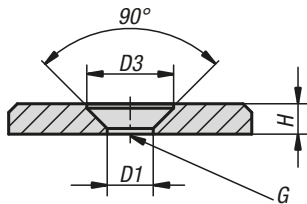
**Note:**  
These washers are used together with DIN EN ISO 2009 or DIN EN ISO 10642 countersunk screws on the end of shafts with keyways to secure handwheels and crank handles.

The washers can be used with the handwheels K0671, K0160, K0161, K0162, K0163, K0164, K0165.

The steel washers are often used as caps for magnets.

**Drawing reference:**  
D3 = for countersunk screw ISO 2009 and ISO 10642

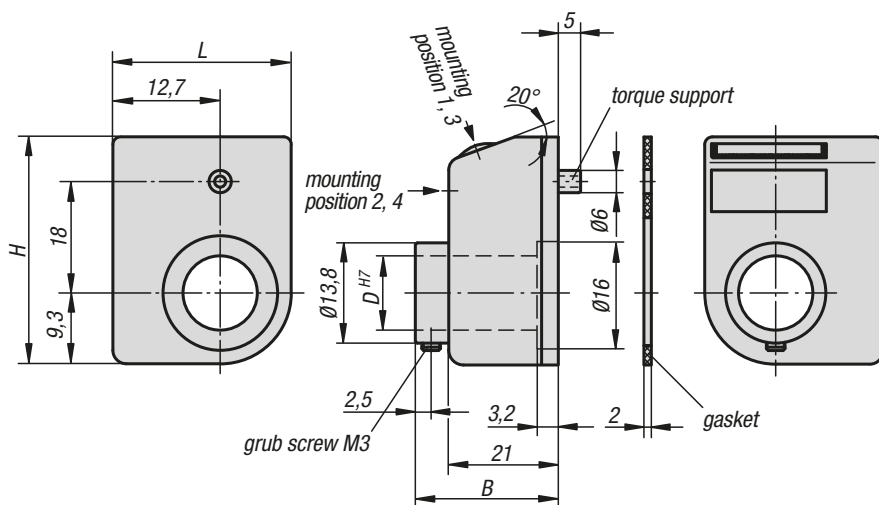
- 1) countersunk screw ISO 2009 and ISO 10642
- 2) washer
- 3) handwheel
- 4) shaft



### KIPP Handwheel washers

Order No. steel	Order No. stainless steel	D1	D2	D3	H	G
K0173.00310	K0173.10310	3,2	10	6	2	M3
K0173.00313	K0173.10313	3,2	13	6	2	M3
K0173.00416	K0173.10416	4,3	16	8,4	3	M4
K0173.00420	K0173.10420	4,3	20	8,4	3	M4
K0173.00520	K0173.10520	5,3	20	10	3,5	M5
K0173.00522	K0173.10522	5,3	22	10	3,5	M5
K0173.00525	K0173.10525	5,3	25	10	3,5	M5
K0173.00528	K0173.10528	5,3	28	10	3,5	M5
K0173.00630	K0173.10630	6,4	30	12	4	M6
K0173.00632	K0173.10632	6,4	32	12	4	M6
K0173.00636	K0173.10636	6,4	36	12	4	M6
K0173.00640	K0173.10640	6,4	40	12	5	M6
K0173.00645	K0173.10645	6,4	45	12	6	M6
K0173.00652	K0173.10652	6,4	52	12	6	M6

## Position indicators



**Material:**  
Housing polyamide 6.  
Hollow shaft steel.  
Screen plastic.  
Grub screw steel.

**Version:**  
Impact-resistant housing.  
Hollow shaft black oxidised.  
Grub screw black.  
Dial black, digits white.

**Sample order:**  
K0408.01001111  
(Position indicator with 1 mm pitch, decimal point in first position from the right, assembly position 1, direction of count ascending clockwise, colour orange)

**Note:**  
Position indicators allow direct reading of input measurement values at a glance. In addition, the value indicated per spindle rotation (corresponding spindle pitch) can be selected and the various indicator values are realised by a transmission gear. The position indicators are distinguished by their small construction with very clear display. They are especially suitable for small spindle distances and small shaft diameters and have a torque support that is positioned in a hole on the side.

\*\* At the 1st asterisk give assembly position and at the 2nd asterisk give the count direction (see sample order "assembly position, count direction").

**On request:**  
– Stainless steel driveshaft  
– Indicator for inch

**Accessories:**  
– Reducing bushes K0412

**Technical data:**  
– Counter consisting of 3 10-position dials  
– Height of figures about 4 mm  
– Hollow shaft Ø 10 H7 mm  
– Temperature resistant to 80 °C  
– Oil and solvent resistant

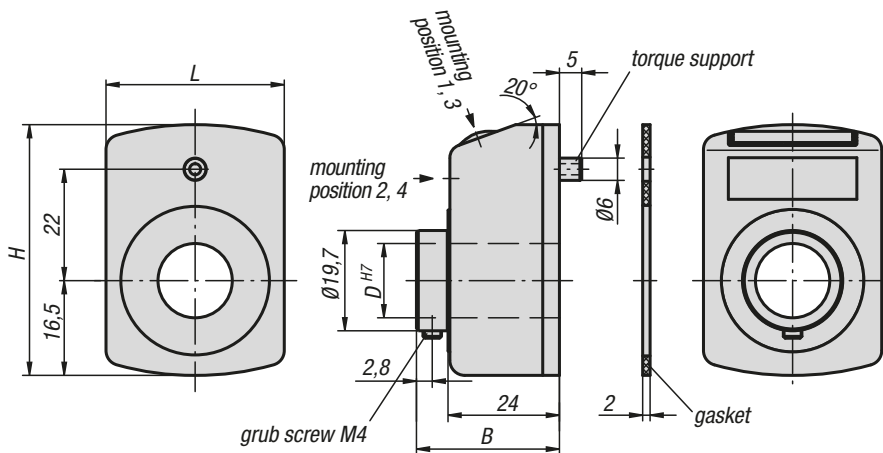
Display after one rotation, with decimal point:	Mounting position (1 - 4):
<p>e. g. K0408.01001111 0100 = 1 mm increments 1 = decimal places</p>	<p>e. g. K0408.01001111 = mounting position 1</p>

Count direction (1 - 2):	Colour (1 - 2):
<p>e. g. K0408.01001111 1 = clockwise (ascending values) 2 = anticlockwise (ascending values)</p>	<p>e. g. K0408.01001111 1 = orange 2 = black</p>

### KIPP Position indicators

Order No. orange RAL 2004	Order No. black	B	D	H	L	Pitch	Indicator after one rotation	Decimal point in position	Max. rpm
K0408.01001**1	K0408.01001**2	26	10	33	22	1	01,0	1	500
K0408.02001**1	K0408.02001**2	26	10	33	22	2	02,0	1	500
K0408.02501**1	K0408.02501**2	26	10	33	22	2,5	02,5	1	500
K0408.03001**1	K0408.03001**2	26	10	33	22	3	03,0	1	500
K0408.04001**1	K0408.04001**2	26	10	33	22	4	04,0	1	375
K0408.05001**1	K0408.05001**2	26	10	33	22	5	05,0	1	300
K0408.06001**1	K0408.06001**2	26	10	33	22	6	06,0	1	250
K0408.08001**1	K0408.08001**2	26	10	33	22	8	08,0	1	180
K0408.10001**1	K0408.10001**2	26	10	33	22	10	10,0	1	150

## Position indicators



**Material:**  
 Housing polyamide 6.  
 Hollow shaft steel.  
 Screen plastic.  
 Grub screw steel.

**Version:**  
 Impact-resistant housing.  
 Hollow shaft black oxidised.  
 Grub screw black.  
 Dial black, digits white.

**Sample order:**  
 K0409.01002111  
 (Position indicator with 1 mm pitch, decimal point in second position from the right, assembly position 1, direction of count ascending clockwise, colour orange)

**Note:**  
 Position indicators allow direct reading of input measurement values at a glance.  
 In addition, the value indicated per spindle rotation (corresponding spindle pitch) can be selected and the various indicator values are realised by a transmission gear. The position indicators are distinguished by their small construction with very clear display and fine scale.  
 They are especially suitable for small spindle distances and small shaft diameters and have a torque support that is positioned in a hole on the side.

\*\* At the 1st asterisk give assembly position and at the 2nd asterisk give the count direction (see sample order "assembly position, count direction").

**On request:**  
 – Counter cover made of mineral glass  
 – Stainless steel driveshaft  
 – Axial sealing (dust-proof)  
 – Vibration protection

**Accessories:**  
 – Reducing bushes K0412  
 – Insert plate K0413  
 – Mounting plates K0414

**Technical data:**  
 – Counter consisting of 4 10-position dials + fine scale  
 – Height of figures about 6 mm  
 – Hollow shaft  $\varnothing$  14 H7 mm  
 – Temperature resistant to 80 °C  
 – Oil and solvent resistant

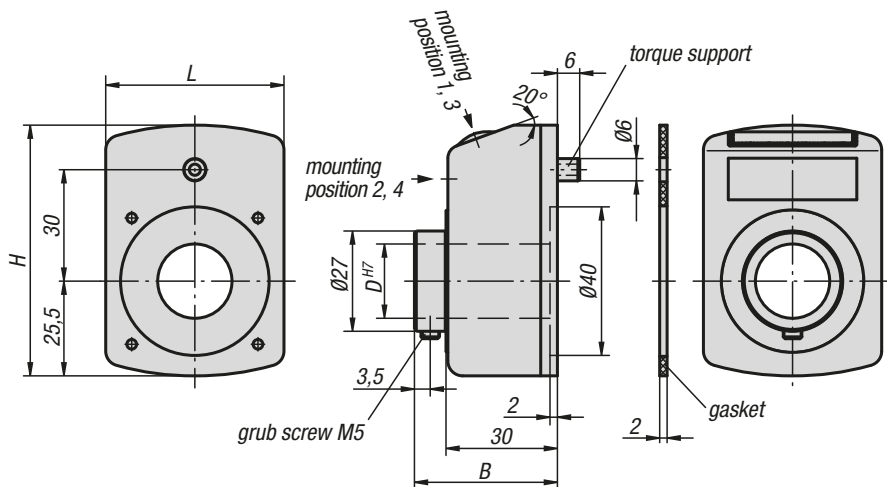
Display after one rotation, with decimal point:	Mounting position (1 - 4):
e. g. K0409.01002111 0100 = 1 mm increments 2 = decimal places	e. g. K0409.01002111 = mounting position 1

Count direction (1 - 2):	Colour (1 - 2):
 e. g. K0409.01002111 1 = clockwise (ascending values) 2 = anticlockwise (ascending values)	 e. g. K0409.01002111 1 = orange 2 = black

### KIPP Position indicators

Order No. orange RAL 2004	Order No. black	B	D	H	L	Pitch	Indicator after one rotation	Decimal point in position	max. rpm
K0409.01002**1	K0409.01002**2	31	14	47	33	1	00,10	2	500
K0409.01001**1	K0409.01001**2	31	14	47	33	1	001,0	1	500
K0409.01251**1	K0409.01251**2	31	14	47	33	1,25	001,2/5	1	500
K0409.01501**1	K0409.01501**2	31	14	47	33	1,5	001,5	1	500
K0409.02001**1	K0409.02001**2	31	14	47	33	2	002,0	1	500
K0409.02501**1	K0409.02501**2	31	14	47	33	2,5	002,5	1	500
K0409.03001**1	K0409.03001**2	31	14	47	33	3	003,0	1	500
K0409.04001**1	K0409.04001**2	31	14	47	33	4	004,0	1	375
K0409.05001**1	K0409.05001**2	31	14	47	33	5	005,0	1	300
K0409.06001**1	K0409.06001**2	31	14	47	33	6	006,0	1	250
K0409.08001**1	K0409.08001**2	31	14	47	33	8	008,0	1	180
K0409.10001**1	K0409.10001**2	31	14	47	33	10	010,0	1	150

## Position indicators



### Material:

Housing polyamide 6.  
Hollow shaft steel.  
Screen plastic.  
Grub screw steel.

### Version:

Impact-resistant housing.  
Hollow shaft black oxidised.  
Grub screw black.  
Dial black, digits white.

### Sample order:

K0410.01002111  
(Position indicator with 1 mm pitch, decimal point in second position from the right, assembly position 1, direction of count ascending clockwise, colour orange)

### Note:

Position indicators allow direct reading of input measurement values at a glance. In addition the value indicated per spindle rotation (corresponding spindle pitch) can be selected and the various indicator values are realised by a transmission gear. The position indicators are distinguished by their very clear display and fine scale. They have a torque support that is positioned in a hole on the side.

\*\* At the 1st asterisk give assembly position and at the 2nd asterisk give the count direction (see sample order "assembly position, count direction").

### On request:

- Counter cover made of mineral glass
- Stainless steel driveshaft
- Axial sealing (dust-proof)
- Waterproof
- Vibration protection

### Accessories:

- Reducing bushes K0412
- Insert plate K0413
- Mounting plates K0414

### Technical data:

- Counter consisting of 5 10-position dials + fine scale
- Height of figures about 7 mm
- Hollow shaft  $\varnothing 20$  H7 mm
- Temperature resistant to 80 °C
- Oil and solvent resistant
- Dust-proof

Display after one rotation, with decimal point:	Mounting position (1 - 4):
e. g. K0410.01002111 0100 = 1 mm increments 2 = decimal places	e. g. K0410.01002111 = mounting position 1

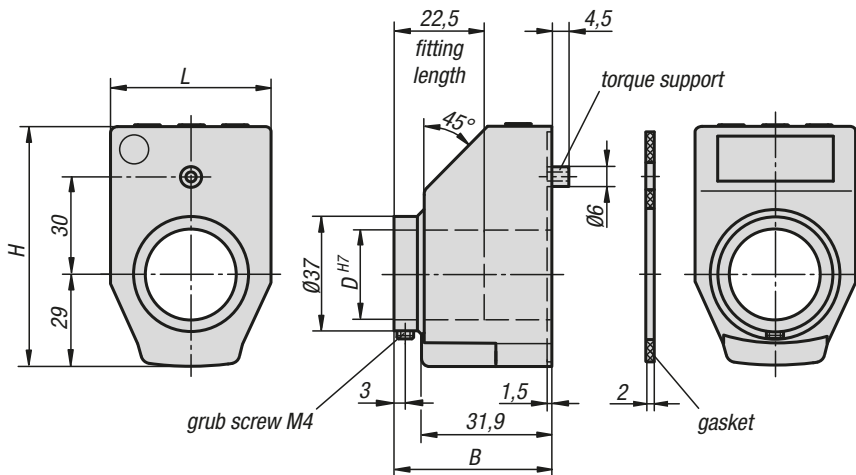
Count direction (1 - 2):	Colour (1 - 2):
 e. g. K0410.01002111 1 = clockwise (ascending values) 2 = anticlockwise (ascending values)	 e. g. K0410.01002111 1 = orange 2 = black

### KIPP Position indicators

Order No. orange RAL 2004	Order No. black	B	D	H	L	Pitch	Indicator after one rotation	Decimal point in position	max. rpm
K0410.01002**1	K0410.01002**2	38,5	20	67,5	48	1	000,10	2	500
K0410.01001**1	K0410.01001**2	38,5	20	67,5	48	1	0001,0	1	500
K0410.01501**1	K0410.01501**2	38,5	20	67,5	48	1,5	0001,5	1	500
K0410.02001**1	K0410.02001**2	38,5	20	67,5	48	2	0002,0	1	500
K0410.02501**1	K0410.02501**2	38,5	20	67,5	48	2,5	0002,5	1	500
K0410.03001**1	K0410.03001**2	38,5	20	67,5	48	3	0003,0	1	500
K0410.04001**1	K0410.04001**2	38,5	20	67,5	48	4	0004,0	1	450
K0410.05001**1	K0410.05001**2	38,5	20	67,5	48	5	0005,0	1	300
K0410.06001**1	K0410.06001**2	38,5	20	67,5	48	6	0006,0	1	250
K0410.10001**1	K0410.10001**2	38,5	20	67,5	48	10	0010,0	1	150

## Position indicators

freely programmable



### Technical data:

- LCD Display with 5 digits
- Digit size approx. 11.5 mm
- Display range from -19999 ... 99999
- Tunular shaft  $\emptyset$  30 H7 mm
- Operating temperature -10 °C to +60 °C
- Storage temperature -30 °C to +80 °C
- Revolution max. 600 rpm
- Lithium battery Button cell 3V, type CR 2032. service life approx. 2 years
- Vibration-resistance according to DIN IEC 68-2-6 10 g / (5 ... 150 Hz), 20 g / (100 ... 2000 Hz)
- Shock-resistance according to DIN IEC 68-2-27 30 g / 15 ms
- EMC DIN EN 61000-4-2; DIN EN 61000-4-4
- Type of protection IP 51

### Material:

Housing plastic.  
Hollow shaft steel.  
Screen LCD display.  
Grub screw steel.

### Version:

Hollow shaft black oxidised.  
Grub screw black.

### Sample order not programmed:

K0411.12  
(Position indicator with assembly position 1, colour black)

### Sample order programmed:

K0411.0200021120  
(See ordering example on the next page)

### Note:

The electronic position indicators offer diverse opportunities compared to mechanical position indicators because they display angles as well as uncommon spindle pitches and record each fraction of spindle movement.

\* Freely programmable parameters using the programming software K0411.09.

### Features:

- indicated value and decimal point freely programmable
- linear or angle mode
- function key for zero-point position
- function key for switching between the absolute dimension and chain dimension
- programming of an offset value directly at the device
- easy battery change

### Accessories:

- reducing bushes K0412
- programming software K0411.09

## KIPP Position indicators programmed

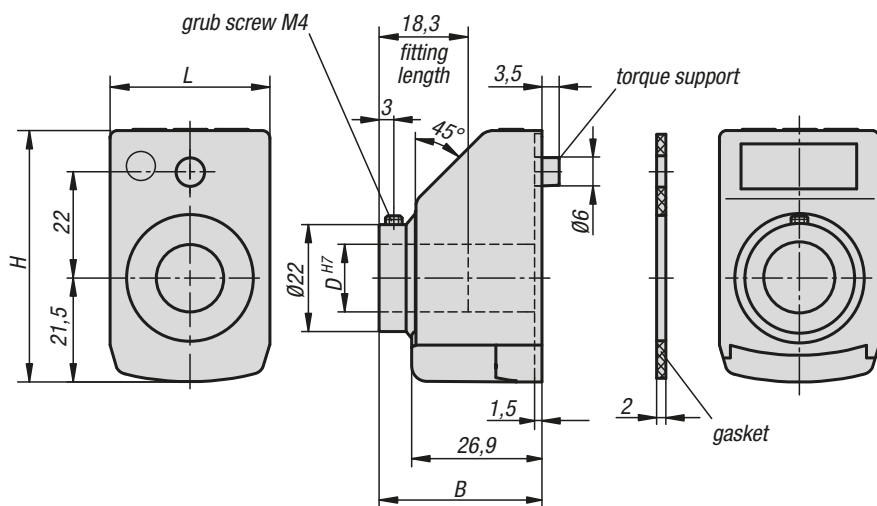
Order No.	Version 1	Version 2	B	D	H	L
K0411.	See sample order for position Indicators programmed	freely programmable	38,8	30	71	48

## KIPP Position indicators not programmed\*

Order No.	Assembly position	Main colour	Version 2	Order No. software
K0411.11	1	orange	freely programmable	K0411.09
K0411.12	1	black	freely programmable	K0411.09
K0411.31	3	orange	freely programmable	K0411.09
K0411.32	3	black	freely programmable	K0411.09

## Position indicators

freely programmable



### Technical data:

- LCD Display with 5 digits
- Digit size approx. 8 mm
- Display range from -19999 ... 99999
- Hollow shaft  $\varnothing 14$  H7 mm
- Operating temperature -10 °C to +60 °C
- Storage temperature -30 °C to +80 °C
- Revolution max. 600 rpm
- Lithium battery button cell 3V, type CR 2032, service life ca. 2 years
- Vibration-resistance acc. to DIN IEC 68-2-6 10 g / (5 ... 150 Hz), 20 g / (100 ... 2000 Hz)
- Shock-resistance acc. to DIN IEC 68-2-27 30 g / 15 ms
- EMC DIN EN 61000-4-2; DIN EN 61000-4-4
- Protection IP 51

### Material:

- Housing plastic.
- Hollow shaft steel.
- Screen LCD display.
- Grub screw steel.

### Version:

- Hollow shaft black oxidised.
- Grub screw black.

### Sample order not programmed:

K0771-12  
(position indicator with assembly position 1, colour black)

### Sample order programmed:

K0771.0200021120  
(see sample order on following page)

### Note:

The electronic position indicators offer diverse opportunities compared to mechanical position indicators because they display angles as well as uncommon spindle pitches and record each fraction of spindle movement.

\* Freely programmable parameters using the programming software K0411.09.

### Features:

- indicated value and decimal point freely programmable
- linear or angle mode
- function key for zero-point position
- function key for switching between the absolute dimension and chain dimension
- programming of an offset value directly at the device
- easy battery change

### Accessories:

- reducing bushes K0412
- programming software K0411.09

### KIPP Position indicators programmed

Order No.	Version 1	Version 2	B	D	H	L
K0771.	See sample order for position Indicators programmed	freely programmable	33,6	14	52	33

### KIPP Position indicators not programmed\*

Order No.	Assembly position	Main colour	Version 2	Order No. software
K0771.11	1	orange	freely programmable	K0411.09
K0771.12	1	black	freely programmable	K0411.09
K0771.31	3	orange	freely programmable	K0411.09
K0771.32	3	black	freely programmable	K0411.09

# Sample order for programmed position indicators K0411 and K0771



## Order code:

K0411.

### Indicator after one rotation:

e.g. K0411.0200021120  
Please indicate here which value is to be displayed after one rotation (this is usually the spindle pitch).

#### Important:

Please note the decimal point position!



#### Angle mode:

(resolution 0.1°)  
If you want the display to be in angle mode, enter 03600.

The display in angle mode is 03600 after one rotation and returns to 00000 for the next rotation.

### Decimal point position:

e.g. K0411.0200021120  
Please indicate here how many decimal places you require.

- 0 = 00000
- 1 = 0000.0
- 2 = 000.00
- 3 = 00.000



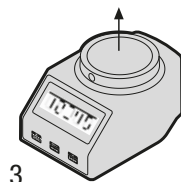
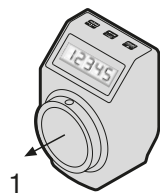
#### Angle mode:

If you want the display to be in angle mode, the decimal point is best put in position 1.

This means the display shows the value 0360.0 after one rotation.

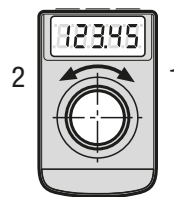
### Assembly position:

e.g. K0411.0200021120  
1 = Mounting position for horizontal spindle  
3 = Mounting position for vertical spindle



### Count direction:

e.g. K0411.0200021120  
1 = clockwise (ascending values)  
2 = anticlockwise (ascending values)



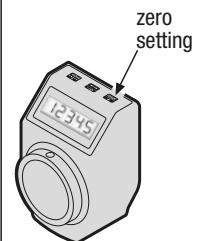
### Colour:

e.g. K0411.0200021120  
1 = orange  
2 = black



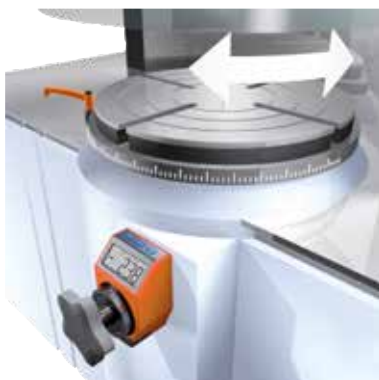
### Zero-point position:

e.g. K0411.0200021120  
0 = directly  
5 = delayed by 5 sec.

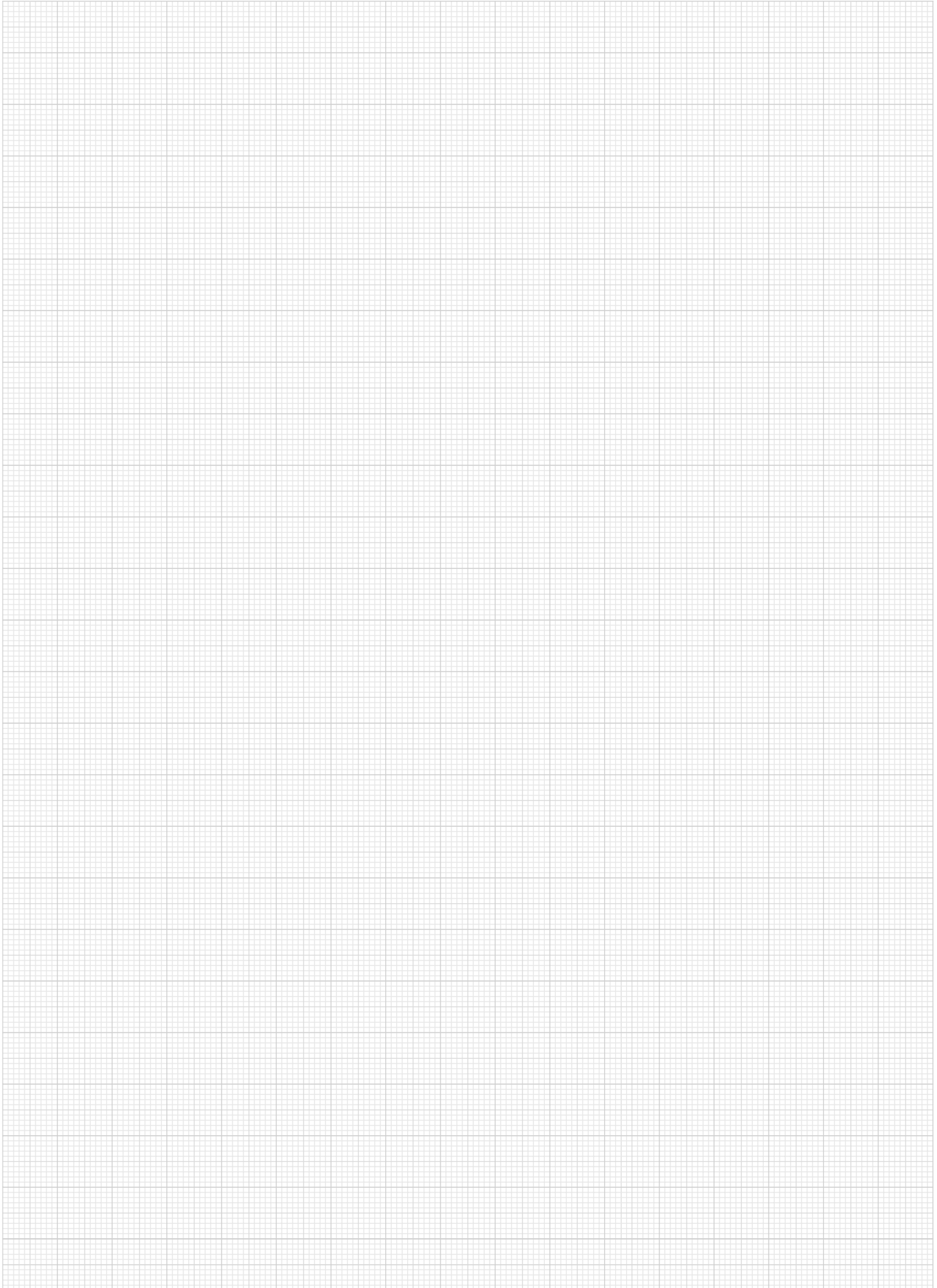


The Zero-point position can be delayed by 5 sec. by means of a parameter, in order to avoid accidental zero setting.

## Application using position indicators

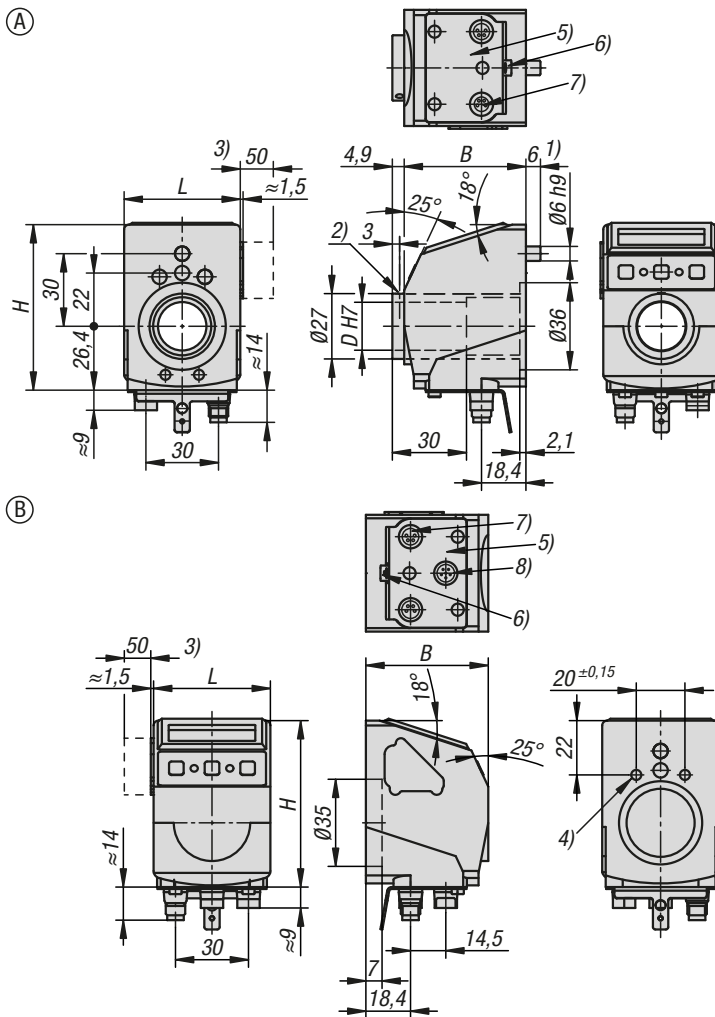






## Position indicator, plastic, electronic

IO link interface



**Material:**

Housing plastic.  
Shaft stainless steel.  
Connector thread brass.  
Earthing terminal metal.

**Version:**

Nickel-plated brass.  
1x M8 connector (A coded), 4-pole, 1x pin.

**Sample order:**

K1657.1530

**Note:**

The IO link-enabled position indicators are used to check format adjustments, in order to effectively reduce set-up times and increase machine efficiency.

The two-line LCD display can display both the setpoint value and the actual value.

Two LEDs give the user visual signals indicating whether the setpoint and actual values match (LEDs lit green) or do not match (LEDs lit red). The LEDs also indicate to the user which direction of adjustment to apply in order to reach the desired position.

Position indicators K1657.1530 and K1657.1650 are linked to the application by a shaft. The position of the application is determined by a robust sensor system which uses magnetic scanning.

Position indicators K1657.1531 and K1657.1651 are mounted directly in the application. The position is determined by a magnetic sensor (K1658) and a magnetic tape (K1663). Suitable only for linear length measurement.

**On request:**

Certificate of conformity.

**Supplied with:**

Position indicators  
Assembly instructions

**Accessories:**

Position indicators K1657.1530 and K1657.1650:  
Reducing bush K0412.20\*\*.

Position indicators K1657.1531 and K1657.1651:  
Magnetic sensor K1658.  
Magnetic tape K1663.

**Attention:**

These position indicators can be integrated only with a IO link communication system.

## Position indicator, plastic, electronic

IO link interface



### Technical data:

Position indicators K1657.1530 and K1657.1650:  
 Rotation speed: ≤500 rpm  
 Operating voltage: 24 V DC ±20 %  
 Current consumption: ~30 mA  
 Battery life: ~5 years  
 Resolution: 880 increments/rotation  
 Measurement range: ≤11914 rotations  
 Ambient temperature: 0 °C to +60 °C  
 Storage temperature: -20 °C to +80°C

Position indicators K1657.1531 and K1657.1651:  
 Operating voltage: 24 V DC ±20 %  
 Current consumption: ~30 mA  
 Battery life: ~5 years  
 Resolution: 0.01 mm (with magnetic sensor K1658)  
 System accuracy: ±35 µm (with magnetic sensor K1658)  
 Measurement range: ±655 m (with magnetic sensor K1658)  
 Ambient temperature: 0 °C to +60 °C  
 Storage temperature: -20 °C to +80°C

### Drawing reference:

- 1) Torque support
- 2) Grub screw M3 (2x 120°)
- 3) Min. space required to change battery without disassembling.
- 4) 2x M5/7 deep
- 5) Contact area
- 6) Earthing terminal for flat connector 6.3 or cable lug
- 7) IO link M8 connector (pin contact) metal connection thread
- 8) Sensor



### KIPP Position indicator, plastic, electronic IO link interface

Order No.	Form	Component material	B	D	H	L	Safety rating
K1657.1530	A	stainless steel	50,3	20	68,4	48	IP53
K1657.1650	A	stainless steel	50,3	20	68,4	48	IP65

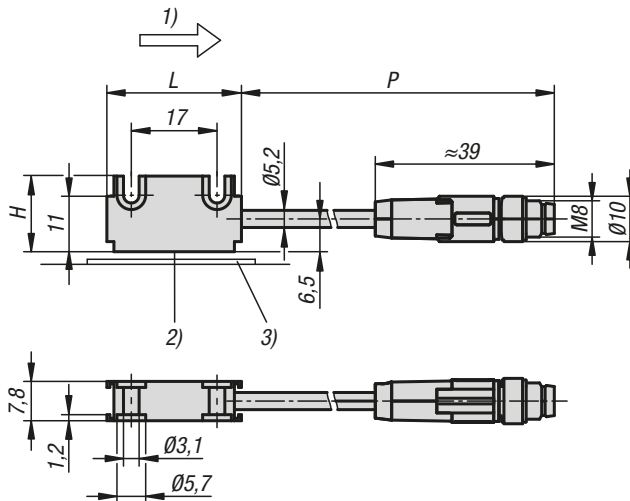
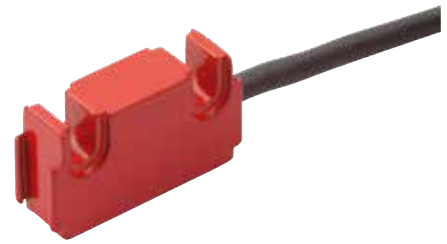
  

Order No.	Form	B	H	L	Safety rating
K1657.1531	B	50,3	68,4	48	IP53
K1657.1651	B	50,3	68,4	48	IP65

# Magnetic sensors, passive sensors, miniature design



IO link interface



### Material:

Housing aluminium.  
Cable sheath PUR.

### Version:

Compact sensor and connector design.  
M8 connector, 6-pole, 1x pin (E15).  
Connection cable, mm 6-wire  $\varnothing$  5.2 mm.  
Bend radius  $\geq$  52 mm (dynamic).

### Sample order:

K1658.010001

### Note:

Works with magnetic tapes K1663.  
The reading distance between the sensor and tape must be 0.1 to 2 mm.  
The operating voltage and current for the sensor are supplied from the downstream electronics.  
System accuracy, repeat accuracy, and travel speed depend on the downstream electronics.  
Plug-in connection at position indicators K1657.

### Temperature range:

- Ambient temperature 0...60°C  
- Storage temperature -10...70°C

### Assembly:

Installation must be carried out using the enclosed user information.

A, reading distance sensor/tape  $\leq$  2 mm  
B, lateral offset  $\pm$  2 mm  
C, misalignment  $\pm$  3°  
D, pitch gradient  $\pm$  1°  
E, lateral gradient  $\pm$  3°

### Accessories:

Position indicators K1657.  
Magnetic tapes K1663.

### Attention:

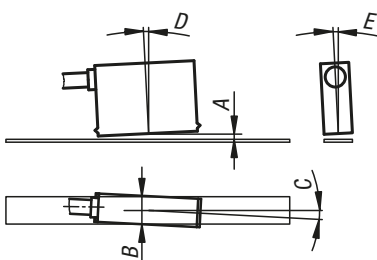
Relative humidity 100%. Dewing is permissible (sensor head).

### Technical data:

- Rating IP 67; EN 60529 (sensor head)  
- Shock resistance 2000 m/s<sup>2</sup>, 11 ms; EN 60068-2-27  
- Vibration resistance 200 m/s<sup>2</sup>, 50 Hz–2 kHz; EN 60068-2-6

### Drawing reference:

1) Sine before cosine  
2) Active measuring surface  
3) Magnetic tape

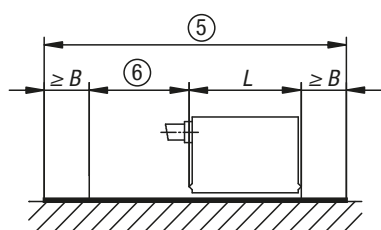
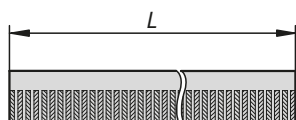
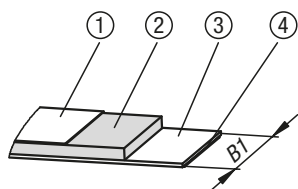
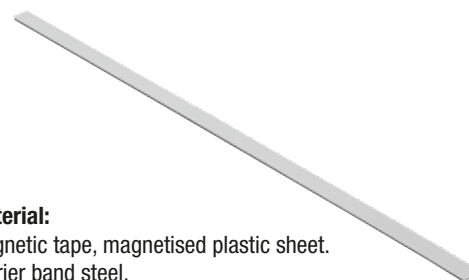


**KIPP Magnetic sensors, passive sensors, miniature design IO link interface**

Order No.	H	L	P	for Art. No.
K1658.010001	15	26,7	1000	K1657.1531 / K1657.1651
K1658.020001	15	26,7	2000	K1657.1531 / K1657.1651

## Magnetic tape

scale with incremental coding, 5 mm pole length



### Material:

Magnetic tape, magnetised plastic sheet.  
Carrier band steel.  
Cover band stainless steel.

### Version:

Scale with incremented coding.  
Pole length 5 mm.

### Sample order:

K1663.010X1000

### Note:

Simple adhesive mounting; self-assembly possible.  
Required tape length calculated from:  
measuring path + sensor length „L“ + (2 x run or return „B“).  
L = see drawing of sensor used.  
B = 10 mm (run and return).

### Temperature range:

- Ambient temperature -20–70°C  
- Storage temperature -40–70°C

### Assembly:

Installation using the pre-affixed double-sided adhesive tape must be carried out according to the enclosed user information.

### On request:

Other lengths from 0.1–100 m, in increments of 0.1 m.

### Attention:

Relative humidity 100%. Dewing is permissible.

### Technical data:

- Coefficient of expansion  $(11 \pm 1) \times 10^{-6}/K$  (spring steel)

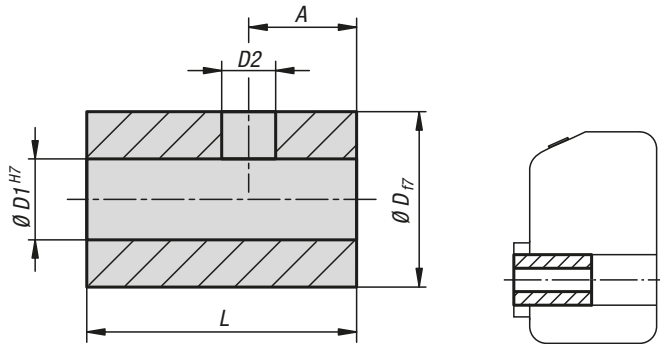
### Drawing reference:

- 1) Cover band A = 0.176 mm
- 2) Magnetic tape M = 1.0 mm
- 3) Carrier band T = 0.3 mm
- 4) Adhesive tape K = 0.1 mm
- 5) Required tape length = measuring path + L + 2 x B
- 6) Measuring path

## KIPP Magnetic tape, scale with incremental coding, 5 mm pole length

Order No.	B1	L	Precision mm
K1663.010X1000	10	1000	0,1
K1663.010X2000	10	2000	0,1
K1663.010X3000	10	3000	0,1
K1663.010X4000	10	4000	0,1
K1663.010X5000	10	5000	0,1
K1663.010X6000	10	6000	0,1
K1663.010X7000	10	7000	0,1
K1663.010X8000	10	8000	0,1
K1663.010X9000	10	9000	0,1
K1663.010X10000	10	10000	0,1

## Reducing bushings



**Material:**  
Steel.

**Version:**  
Black oxidised.

**Sample order:**  
K0412.1408 (diameter D1=8)

**Note:**  
Reducing bushes are used for adapting the diameter between position indicator and positioning spindle.



### KIPP Reducing bushings

Order No.	A	D	D1	D2	L	Suitable for position indicator
K0412.10**	2,5	10	6/8	3,2	14	K0408
K0412.14**	3,5	14	6/8/10/12	4,2	17	K0409
K0412.20**	4,5	20	12/14/16/18	5,5	20	K0410
K0412.30**	4	30	12/14/16/18/20/25	5,5	30	K0411

# K0413

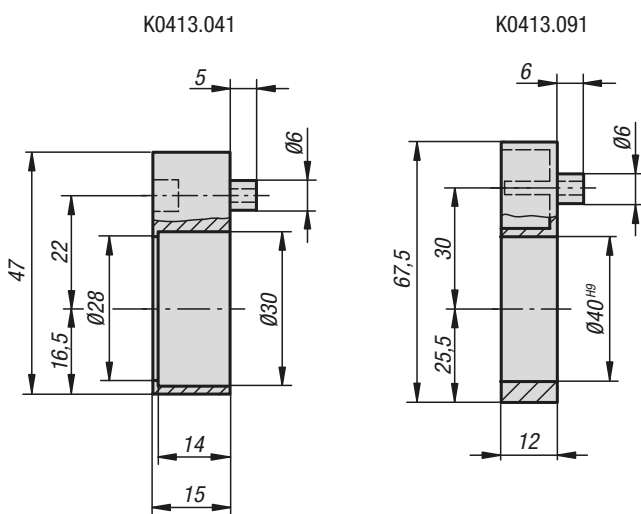
## Intermediate plates



**Material:**  
Plastic

**Sample order:**  
K0413.041

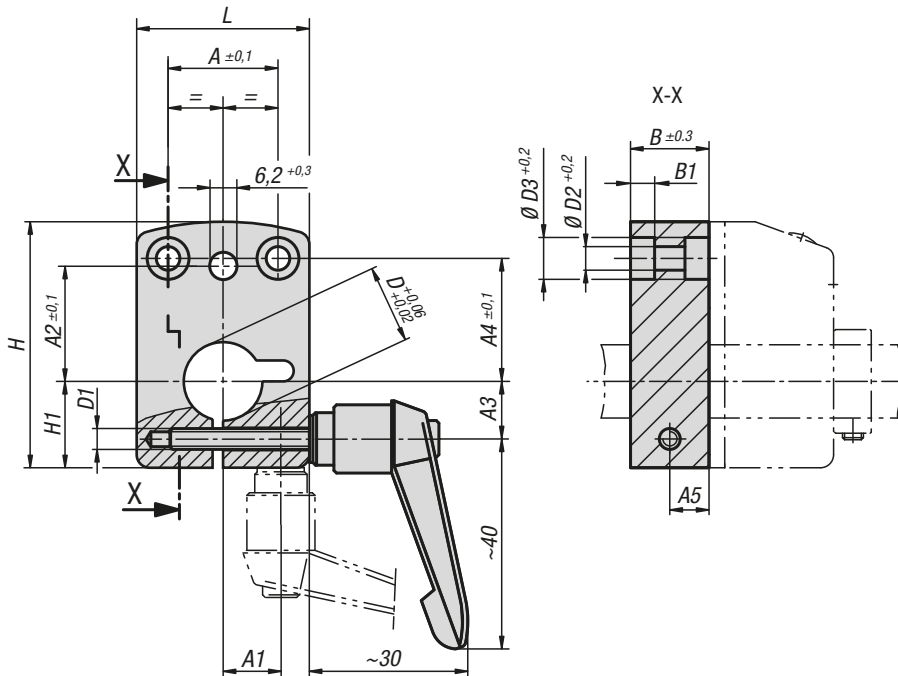
**Note:**  
Intermediate plates are used for mounting shaft collars and radial shaft seals.



### KIPP Intermediate plates

Order No.	Suitable for position indicator
K0413.041	K0409, K0771
K0413.091	K0410, K0411

## Mounting brackets



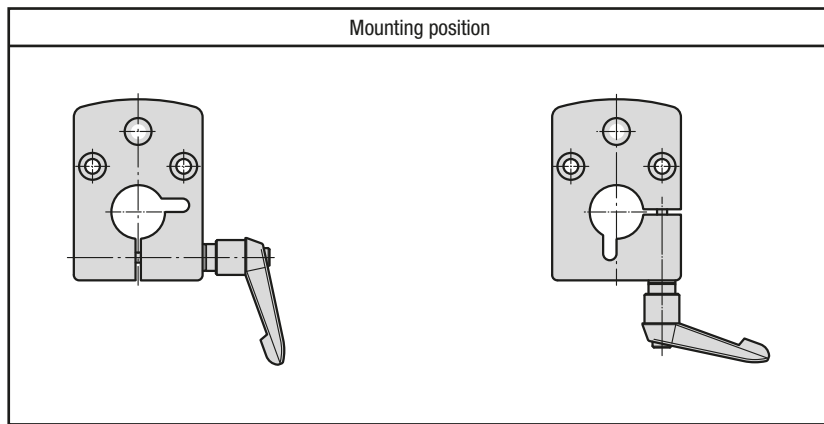
**Mounting brackets form a compact unit with position indicators. They guarantee reliable spindle clamping without additional construction work.**

**Material:**  
 Mounting position 1, housing die-cast zinc  
 Mounting position 3, housing aluminium.  
 Clamping lever plastic.

**Version:**  
 Installed position 1, housing, painted.  
 Installed position 3, housing anodised.  
 Clamping lever dark grey.

**Sample order:**  
 K0414.09121

**Note:**  
 Due to the simple assembly, the mounting bracket is also suitable for retrofitting to existing systems.



K0414. ....1

K0414. ....3



### KIPP Mounting brackets

Order No. Assembly position 1	Order No. Assembly position 3	A	A1	A2	A3	A4	A5	B	B1	D	D1	D2	D3	H	H1	L	Suitable for position indicator
K0414.04081	K0414.04083	21	-/11	22	11/-	23,5	7,5	15	4,6	8	M4	4,5	8	47	16,5	33	K0409
K0414.04101	K0414.04103	21	-/11	22	11/-	23,5	7,5	15	4,6	10	M4	4,5	8	47	16,5	33	K0409
K0414.04121	K0414.04123	21	-/11	22	11/-	23,5	7,5	15	4,6	12	M4	4,5	8	47	16,5	33	K0409
K0414.04141	K0414.04143	21	-/11	22	11/-	23,5	7,5	15	4,6	14	M4	4,5	8	47	16,5	33	K0409
K0414.09121	K0414.09123	34	-/17	30	17/-	17	10	20	5,5	12	M5	5,5	10	67,5	25,5	48	K0410
K0414.09141	K0414.09143	34	-/17	30	17/-	17	10	20	5,5	14	M5	5,5	10	67,5	25,5	48	K0410
K0414.09161	K0414.09163	34	-/17	30	17/-	17	10	20	5,5	16	M5	5,5	10	67,5	25,5	48	K0410
K0414.09201	K0414.09203	34	-/17	30	17/-	17	10	20	5,5	20	M5	5,5	10	67,5	25,5	48	K0410