

Handles and knobs





Handles and knobs

Knurled nuts
in steel and stainless
steel, DIN 6303
K0137



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similar to DIN 6335
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Handles and knobs

Quick-fastening grips
in grey cast iron
K0683



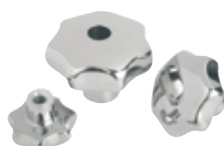
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Aluminium star grips
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K0149



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Star grips
in stainless steel,
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Star grips
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K0156



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K0276



N^G

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K0185



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K0279



S^T

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K0278



S^T

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High clamping grips
K0280



S^T

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K0281



S^T

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Clamp grips
K0255



N^G

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Triangular star grips
with high collar
K0183



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Knurled wheels
K0260



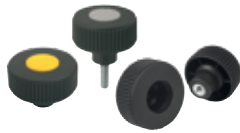
N^G

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Handles and knobs

Knurled wheels
steel parts in stainless steel
K0261



NG

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Mushroom knobs
with internal thread in steel
or stainless steel
K0250



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Mushroom knobs
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K0251



NG

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Mushroom knobs
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K0251



NG

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Wing grips in stainless steel
K0273



stainless steel

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Wing grips
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NG

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Wing grips
with continuous
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K0274



NG

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Wing grips, one-sided
K0608



NG

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Miniwings
K0274



NG

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Miniwing
with continuous internal
thread
K0658



NG

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T-grips
K0180



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T-grips
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Flat knobs
K0157



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Ball knobs
stainless steel or aluminium
DIN 319
K0650



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Ball knobs
in thermoplastic to DIN 319
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K0158



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Ball knobs
with smooth surface
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K0159



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Grip balls
K0253



NG

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Grip balls
revolving
K0254



NG

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Handles and knobs

Graduated knobs
K0248



N^G

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Adjusting knobs
K0249



N^G

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Torque knurled knobs
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Locking bars
K0178



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Axial bearing for increasing
tension force
K0584



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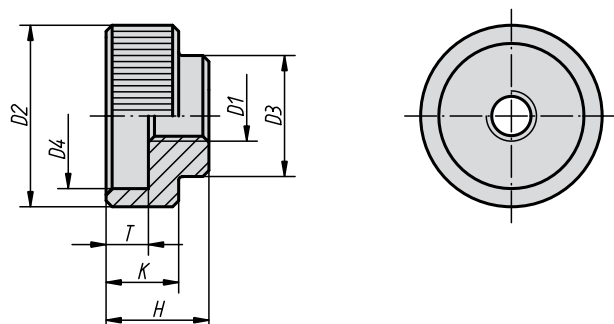


Knurled nuts

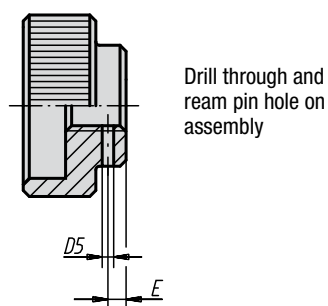
in steel and stainless steel, DIN 6303



Form A
without pin hole

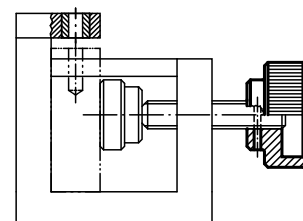


Form B
with pin hole



Material, surface finish:
Free-cutting steel black oxide finish.
Stainless steel, natural finish.

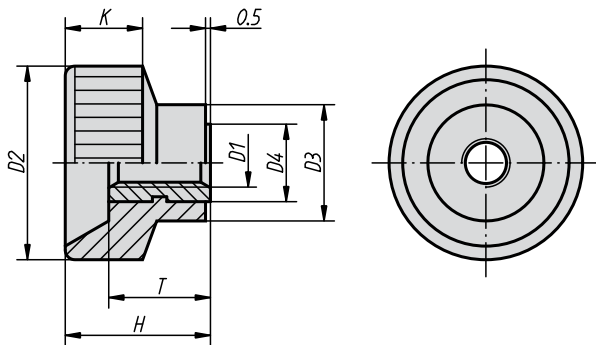
Sample order:
K0137.108



KIPP Knurled nuts in steel and stainless steel, DIN 6303

Order No.	Form	Material	D1	D2	D3	D4	D5 predrilled	E	H	K	T	suitable cylindrical pin DIN 7	Approx. weight g
K0137.105	A	steel	M5	20	14	15	-	-	12	8	5	-	16
K0137.106	A	steel	M6	24	16	18	-	-	14	10	6	-	27
K0137.108	A	steel	M8	30	20	24	-	-	17	12	7	-	50
K0137.110	A	steel	M10	36	28	30	-	-	20	14	8	-	83
K0137.112	A	steel	M12	40	32	34	-	-	24	16	10	-	123
K0137.1052	A	stainless steel	M5	20	14	15	-	-	12	8	5	-	16
K0137.1062	A	stainless steel	M6	24	16	18	-	-	14	10	6	-	27
K0137.1082	A	stainless steel	M8	30	20	24	-	-	17	12	7	-	50
K0137.1102	A	stainless steel	M10	36	28	30	-	-	20	14	8	-	83
K0137.1122	A	stainless steel	M12	40	32	34	-	-	24	16	10	-	123
K0137.205	B	steel	M5	20	14	15	1,4	2,5	12	8	5	1,5 m6 x 14	16
K0137.206	B	steel	M6	24	16	18	1,4	2,5	14	10	6	1,5 m6 x 16	27
K0137.208	B	steel	M8	30	20	24	1,9	3	17	12	7	2,5 m6 x 20	50
K0137.210	B	steel	M10	36	28	30	2,9	4	20	14	8	3,5 m6 x 28	83
K0137.212	B	steel	M12	40	32	34	3,9	4	24	16	10	4,5 m6 x 32	123

Plastic knurled nuts



Material:
Black duroplastic PF 31.
Threaded bush in brass.

Surface finish:
Threaded bush nickel-plated.

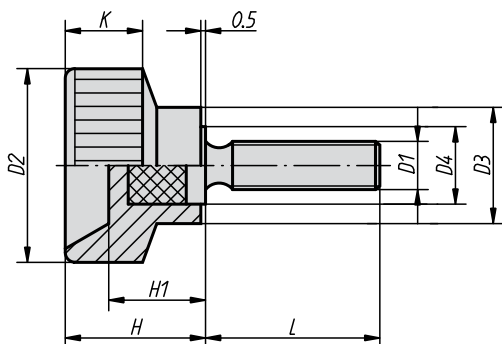
Sample order:
K0138.08

KIPP Plastic knurled nuts

Order No.	D1	D2	D3	D4	H	K	T	Approx. weight g
K0138.04	M4	18	10	7	13	8	9	4
K0138.05	M5	20	12	8	14	8	10	6
K0138.06	M6	24	13	9	16	9	10	7
K0138.08	M8	30	15	11	18	11	11	13
K0138.10	M10	35	18	14	19	12	11	18

K0141

Plastic knurled thumb screws



Material:
Black duroplastic PF 31.
Threaded bolt in steel.

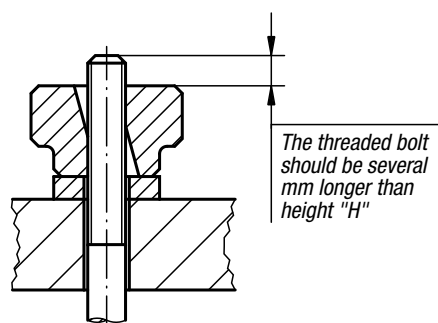
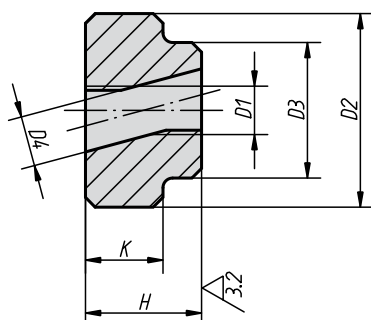
Surface finish:
Threaded bolt galvanized.

Sample order:
K0141.05X25 (Please also indicate dimension L.)

KIPP Plastic knurled thumb screws

Order No.	L	D1	D2	D3	D4	H	H1	K
K0141.04X	15/20	M4	18	10	7	13,5	9	8
K0141.05X	10/18/25	M5	20	12	8	14,5	10	8
K0141.06X	20/28	M6	24	13	10	15	9,5	9
K0141.08X	25/32	M8	30	15	12	18	11	11
K0141.10X	30	M10	35	18	14	18,5	11	12

Quick-acting knurled nuts



Material:

Tempered steel.

Surface finish:

Heat-treated and black oxide finish.

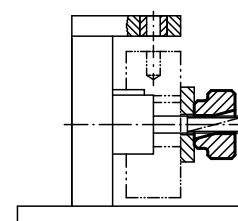
Sample order:

K0139.08

Note:

Quick-acting knurled nuts are mainly used in applications where no high clamping pressures are required.

This function is achieved by means of a semilateral thread.

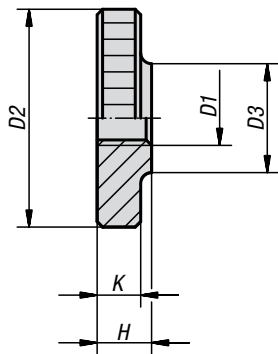


KIPP Quick-acting knurled nuts

Order No.	D1	D2	D3	D4	H	K	Approx. weight g
K0139.05	M5	20	14	5,2	12	8	25
K0139.06	M6	24	16	6,2	14	10	38
K0139.08	M8	30	20	8,2	17	12	75
K0139.10	M10	36	28	10,3	20	14	130
K0139.12	M12	40	32	12,3	24	16	185

Thin knurled nuts

in steel and stainless steel, DIN 467


Material, surface finish:

Free-cutting steel 1.0711 black oxide finish.
Stainless steel natural finish

Sample order:

K0144.042

Note:

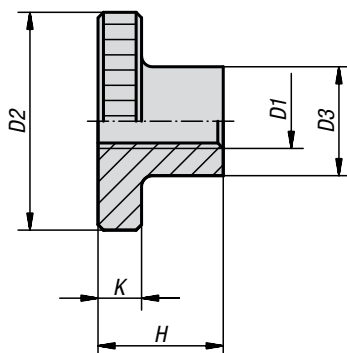
Thin knurled nuts M12 are not provided on the official standard specification sheet.

KIPP Thin knurled nuts in steel and stainless steel, DIN 467

Order No. steel	Order No. stainless steel	D1	D2	D3	H	K	Approx. weight g
K0144.04	K0144.042	M4	16	8	4	3,5	6
K0144.05	K0144.052	M5	20	10	5	4	10
K0144.06	K0144.062	M6	24	12	6	5	18
K0144.08	K0144.082	M8	30	16	8	6	33
K0144.10	K0144.102	M10	36	20	10	8	58
K0144.12	K0144.122	M12	36	20	10	8	58

High knurled nuts

in steel and stainless steel, DIN 466


Material, surface finish:

Free-cutting steel 1.0711 black oxide finish.
Stainless steel natural finish.

Sample order:

K0143.04

Note:

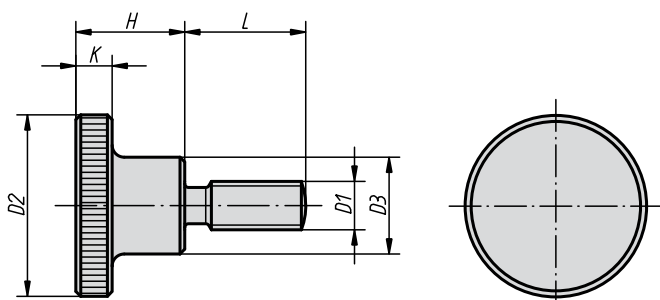
High knurled nuts M12 are not provided on the official standard specification sheet.

KIPP High knurled nuts in steel and stainless steel, DIN 466

Order No. steel	Order No. stainless steel	D1	D2	D3	H	K	Approx. weight g
K0143.04	K0143.042	M4	16	8	9,5	3,5	7
K0143.05	K0143.052	M5	20	10	11,5	4	13
K0143.06	K0143.062	M6	24	12	15	5	24
K0143.08	K0143.082	M8	30	16	18	6	46
K0143.10	K0143.102	M10	36	20	23	8	88
K0143.12	K0143.122	M12	36	20	23	8	125

High knurled thumb screws

in steel and stainless steel, DIN 464



Material, surface finish:

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

Sample order:

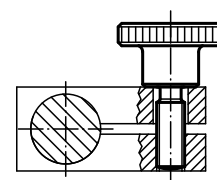
K0140.06X20 (Please also indicate dimension L.)

Note:

* The knurled thumb screw is supplied with shaft in this length (no thread undercut).

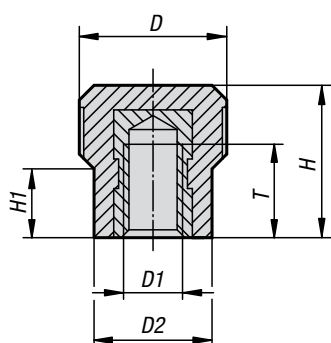
KIPP High knurled thumb screws in steel and stainless steel, DIN 464

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



K0142

Knurled knobs



Material:

Black duroplastic PF 31.
Bush in brass.

Surface finish:

Deburred and high-polish finish.

Sample order:

K0142.11203

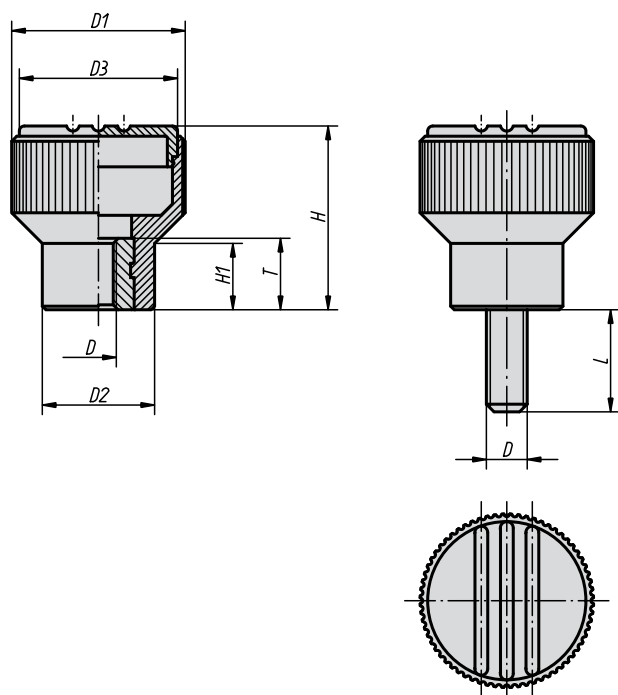
On request:

Other colours.

KIPP Knurled knobs

Order No.	D	D1	D2	H	H1	T
K0142.11203	12	M3	10	13,5	6	6,5
K0142.11204	12	M4	10	13,5	6	10
K0142.11504	15	M4	12	15,5	7	10
K0142.11505	15	M5	12	15,5	7	10
K0142.11506	15	M6	12	15,5	7	9

Knurled knobs

N^G

The handy knurled knobs have several key features: excellent ergonomics, raised belt fluting and optimized design keep opening new target markets and increase the esthetic and safety-related profile of any product it appears with.

Material, surface finish:

Anthracite grey thermoplastic.

Bush and threaded bolt in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish.

Sample order:

K0247.01056X20 (Cap colour traffic red. Please also indicate dimension L.)

Note:

Δ Add the desired cap colour here. No colour code is required with anthracite grey wheel caps.

anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

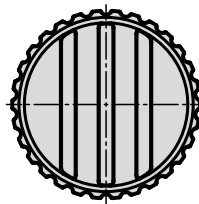
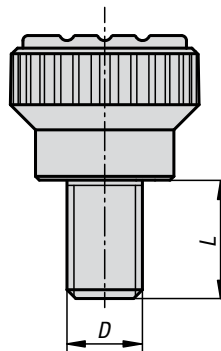
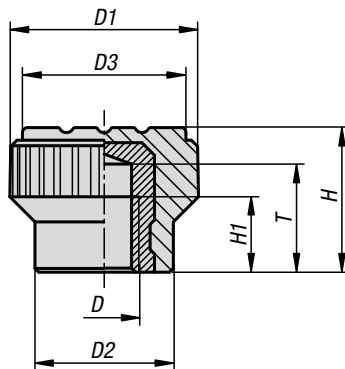
KIPP Knurled knobs with internal thread

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

KIPP Knurled knobs with external thread

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

Knurled knobs

**Material:**

Anthracite grey thermoplastic.

Surface finish:

Bush in brass or stainless steel 1.4305, natural finish.

Threaded bolt in steel 5.8, blue chromated or stainless steel 1.4305, natural finish.

Sample order:

K0110.005x12

Note:

Other colours available on request.

KIPP Knurled knobs with internal thread

Order No.	Surface finish	D	D1	D2	D3	H	H1	T	Approx. weight g
K0110.003	bush brass	M3	15	11	13	11,5	4,5	8,6	3,9
K0110.004	bush brass	M4	15	11	13	11,5	6	8,6	4,1
K0110.005	bush brass	M5	15	11	13	11,5	6	8,6	4,31
K0110.0003	bush in stainless steel	M3	15	11	13	11,5	4,5	8,6	3,9
K0110.0004	bush in stainless steel	M4	15	11	13	11,5	6	8,6	4
K0110.0005	bush in stainless steel	M5	15	11	13	11,5	6	8,6	4,1

KIPP Knurled knobs with external thread

Order No.	Surface finish	D	D1	D2	D3	H	L
K0110.003X	bolt in steel	M3	15	11	13	11,5	8/10/12/15
K0110.004X	bolt in steel	M4	15	11	13	11,5	8/10/12/15
K0110.005X	bolt in steel	M5	15	11	13	11,5	10/12/15/20
K0110.006X	bolt in steel	M6	15	11	13	11,5	10/15/20/25
K0110.0003X	bolt in stainless steel	M3	15	11	13	11,5	8/10/12/15
K0110.0004X	bolt in stainless steel	M4	15	11	13	11,5	8/10/12/15
K0110.0005X	bolt in stainless steel	M5	15	11	13	11,5	10/12/15/20
K0110.0006X	bolt in stainless steel	M6	15	11	13	11,5	10/15/20/25

Knurled heads

for hexagon socket screws


Material:

Thermoplastic.

Surface finish:

Black, grey or red.

Sample order:

K0680.0506 (knurled head colour red)

Colour code:

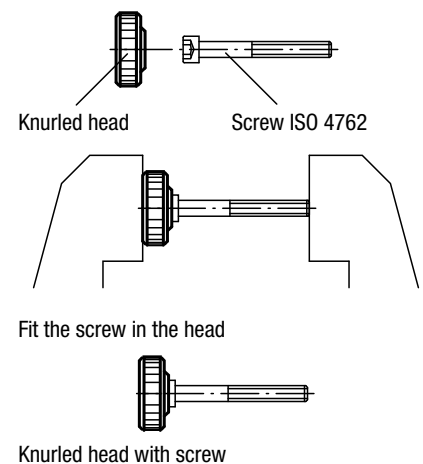
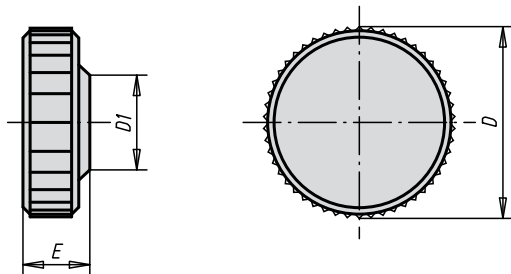
5 = grey

6 = red

Note:

Suitable screws ISO 4762.

Δ Add the desired knurled head colour here; no colour code is required with black knurled head.

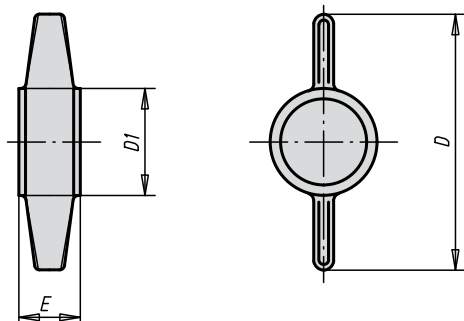


KIPP Knurled heads for hexagon socket screws

Order No.	D	D1	E	for hexagon socket screw	Approx. weight kg
K0680.030Δ	9,5	8,3	4,5	M3	0,040
K0680.040Δ	13	9,6	5,5	M4	0,060
K0680.050Δ	16	11,5	6,5	M5	0,070
K0680.060Δ	19	13	7,5	M6	0,130
K0680.061Δ	26	13	7,8	M6	0,180
K0680.080Δ	26	16	9,8	M8	0,300

Butterfly heads

for hexagon socket screws


Material:

Thermoplastic.

Surface finish:

Black, grey or red.

Sample order:

K0681.0506 (butterfly head colour red)

Colour code:

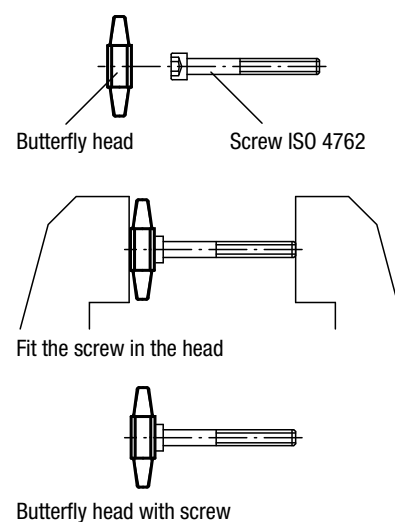
5 = grey

6 = red

Note:

Suitable screws ISO 4762.

Δ Add the desired butterfly head colour here; no colour code is required with black butterfly head.



KIPP Butterfly heads for hexagon socket screws

Order No.	D	D1	E	for hexagon socket screw	Approx. weight kg/100
K0681.050	26	12	6,6	M5	0,104
K0681.060	30	13,5	7,8	M6	0,130
K0681.080	38	16,5	10	M8	0,290
K0681.100	45	20	12,5	M10	0,405

Notes



Aluminium palm grips

similar to DIN 6335



Material:

Aluminium.

Surface finish:

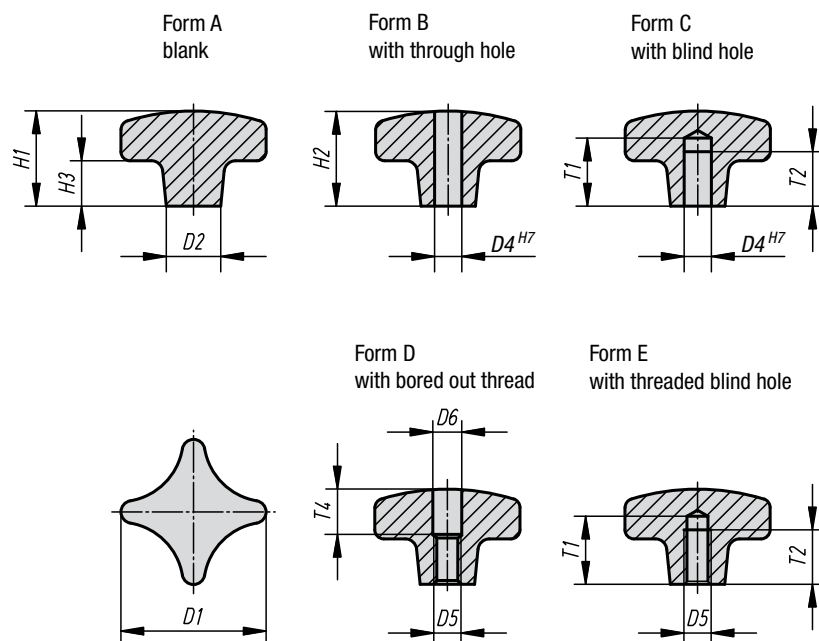
Natural finish tumbled or ground and polished.

Sample order:

K0145.104008

On request:

Palm grips as blanks (deburred).



KIPP Aluminium palm grips similar to DIN 6335

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

Aluminium palm grips

similar to DIN 6335



KIPP Aluminium palm grips similar to DIN 6335

Order No. tumbled	Order No. polished	Form	D1	D2	D4	H2	H3
K0145.204008	K0145.2040082	B	40	14	8	25	14
K0145.205010	K0145.2050102	B	50	18	10	32	20
K0145.206312	K0145.2063122	B	63	20	12	40	25
K0145.208016	K0145.2080162	B	80	25	16	50	30

Order No. tumbled	Order No. polished	Form	D1	D2	D4	H1	H3	T1	T2
K0145.304008	K0145.3040082	C	40	14	8	26	14	18	15
K0145.305010	K0145.3050102	C	50	18	10	34	20	21	18
K0145.306312	K0145.3063122	C	63	20	12	42	25	25	22
K0145.308016	K0145.3080162	C	80	25	16	52	30	32	28

Order No. tumbled	Order No. polished	Form	D1	D2	D5	D6	H2	H3	T4
K0145.404008	K0145.4040082	D	40	14	M8	8,4	25	14	12
K0145.405010	K0145.4050102	D	50	18	M10	10,5	32	20	16
K0145.406312	K0145.4063122	D	63	20	M12	13	40	25	20
K0145.408016	K0145.4080162	D	80	25	M16	17	50	30	30

Order No. tumbled	Order No. polished	Form	D1	D2	D5	H1	H3	T1	T2
K0145.504008	K0145.5040082	E	40	14	M8	26	14	18	15
K0145.505010	K0145.5050102	E	50	18	M10	34	20	21	18
K0145.506312	K0145.5063122	E	63	20	M12	42	25	25	22
K0145.508016	K0145.5080162	E	80	25	M16	52	30	32	28

Palm grips

in stainless steel, similar to DIN 6335

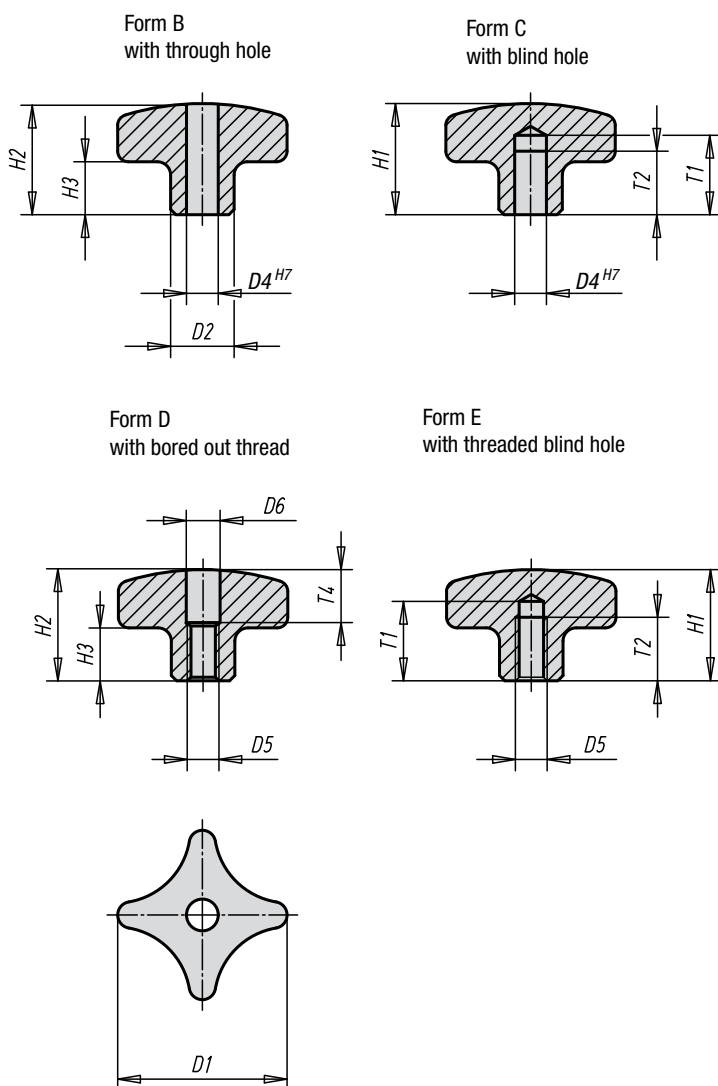


Material:
Stainless steel 1.4308.

Surface finish:
Ground and polished.

Sample order:
K0146.2032062

On request:
Palm grips in stainless steel with external thread.



KIPP Palm grips in stainless steel, similar to DIN 6335

Order No. Form B	Order No. Form C	Surface finish	D1	D2	D4	H1	H2	H3	T1	T2
K0146.2032062	K0146.3032062	polished	32	12	6	-/21	20/-	10	-/15	-/12
K0146.2040082	K0146.3040082	polished	40	14	8	-/26	25/-	13	-/18	-/15
K0146.2050102	K0146.3050102	polished	50	18	10	-/34	32/-	17	-/21	-/18
K0146.2063122	K0146.3063122	polished	63	20	12	-/42	40/-	21	-/25	-/22

Order No. Form D	Order No. Form E	Surface finish	D1	D2	D5	D6	H1	H2	H3	T1	T2	T4
K0146.4032062	K0146.5032062	polished	32	12	M6	6,4/-	-/21	20/-	10	-/15	-/12	10/-
K0146.4040082	K0146.5040082	polished	40	14	M8	8,4/-	-/26	25/-	13	-/18	-/15	12/-
K0146.4050102	K0146.5050102	polished	50	18	M10	10,5/-	-/34	32/-	17	-/21	-/18	16/-
K0146.4063122	K0146.5063122	polished	63	20	M12	13/-	-/42	40/-	21	-/25	-/22	20/-

Grey cast iron palm grips

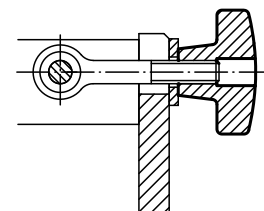
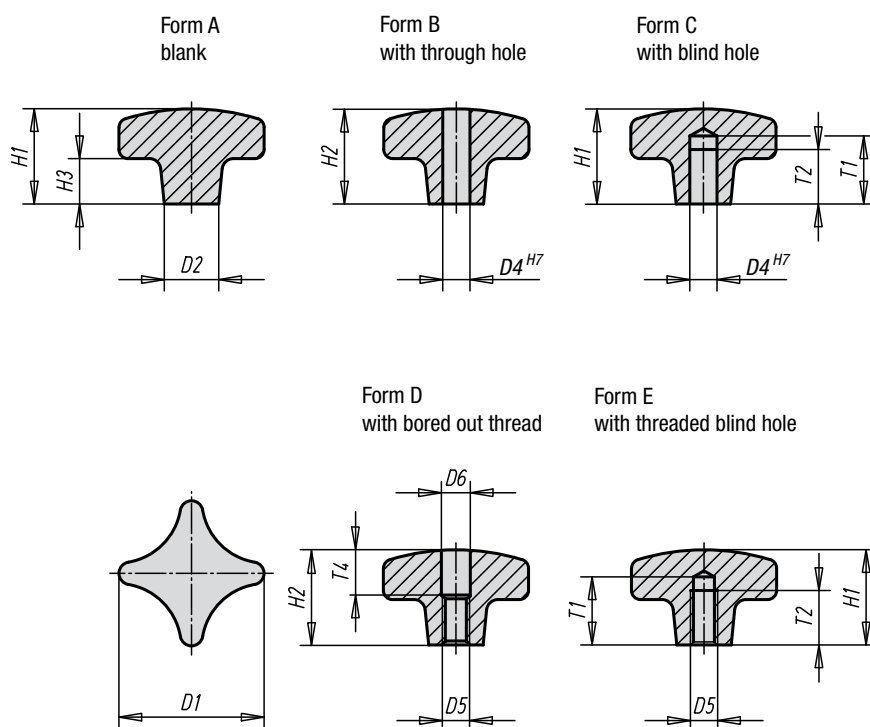
DIN 6335



Material:
Grey cast iron GJL 200.

Surface finish:
Natural finish tumbled.

Sample order:
K0147.106



KIPP Grey cast iron palm grips DIN 6335

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

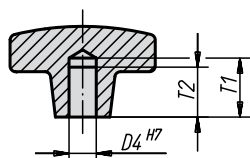
Order No. Form C	Order No. Form D	Order No. Form E	Surface finish	D1	D2	D4	D5	D6	H1	H2	H3	T1	T2	T4
K0147.306	K0147.406	K0147.506	tumbled	32	12	6/-/-	-/M6/M6	-/6,4/-	21/-/21	-/20/-	10	-/15/15	-/12/12	-/10/-
K0147.308	K0147.408	K0147.508	tumbled	40	14	8/-/-	-/M8/M8	-/8,4/-	26/-/26	-/25/-	14	-/18/18	-/15/15	-/12/-
K0147.310	K0147.410	K0147.510	tumbled	50	18	10/-/-	-/M10/M10	-/10,5/-	34/-/34	-/32/-	20	-/21/21	-/18/18	-/16/-
K0147.312	K0147.412	K0147.512	tumbled	63	20	12/-/-	-/M12/M12	-/13/-	42/-/42	-/40/-	25	-/25/25	-/22/22	-/20/-
K0147.316	K0147.416	K0147.516	tumbled	80	25	16/-/-	-/M16/M16	-/17/-	52/-/52	-/50/-	30	-/32/32	-/28/28	-/30/-
K0147.320	K0147.420	K0147.520	tumbled	100	32	20/-/-	-/M20/M20	-/21/-	65/-/65	-/63/-	38	-/40/40	-/36/36	-/38/-

Four palm grips in grey cast iron

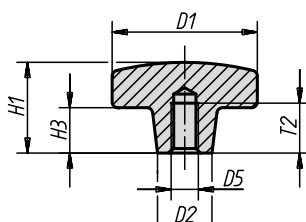
plastic coated conforms to DIN 6335



Form C
bored blind hole



Form E
tapped blind hole



Material:

Grey cast iron GJL 200.

Surface finish:

Plastic coated.

Sample order:

K0682.212

Note:

Orange: RAL 2004.

Black: RAL 9005 matt.

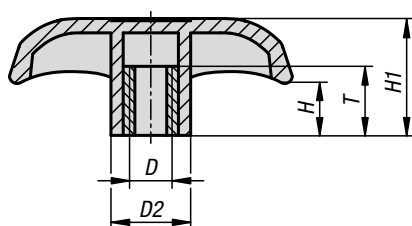
KIPP Grey cast iron palm grips plastic coated conforms to DIN 6335

Order No. Colour orange	Order No. Colour black matt finish	Form	D1	D2	D4	D5	H1	H3	T1	T2	Approx. weight kg
K0682.108	K0682.208	C	40	14	8	-	26	14	18	15	0,055
K0682.110	K0682.210	C	50	18	10	-	34	20	21	18	0,105
K0682.112	K0682.212	C	63	20	12	-	42	25	25	22	0,195
K0682.116	K0682.216	C	80	25	16	-	52	30	32	28	0,380
K0682.308	K0682.408	E	40	14	-	M8	26	14	-	15	0,055
K0682.310	K0682.410	E	50	18	-	M10	34	20	-	18	0,105
K0682.312	K0682.412	E	63	20	-	M12	42	25	-	22	0,195
K0682.316	K0682.416	E	80	25	-	M16	52	30	-	28	0,380

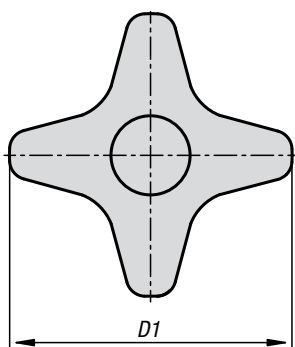
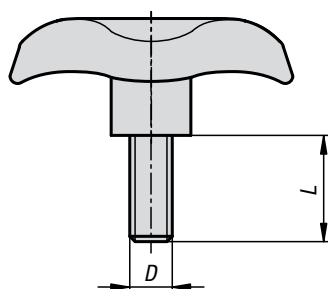
Palm grips Soft


S^T


Form K
internal thread



Form L
external thread



Material, surface finish:

Body in hard, black thermoplastic.
Coating in soft, black thermoplastic.
Bush and threaded bolt in steel 5.8, galvanized.

Sample order:

K0613.5108X20 (Please also indicate dimension L.)

Note:

Palm grips with a soft gripping surface combine the stability of standard thermoplastic grips with the pleasant feel of the soft surface.
The soft coating on the palm grips ensures a pleasant-to-grip and non-slip surface. Higher clamping forces can be achieved while being kind to the skin.

KIPP Soft palm grips with internal thread

Order No.	Form	D	D1	D2	H	H1	T	Approx. weight kg
K0613.5108	K	M8	51	15	10	22	13	0,016
K0613.5110	K	M10	51	15	10	22	13	0,033
K0613.7608	K	M8	76	19,5	13,5	28	20	0,018
K0613.7610	K	M10	76	19,5	13,5	28	20	0,035
K0613.7612	K	M12	76	19,5	13,5	28	20	0,037

KIPP Soft palm grips with external thread

Order No.	Form	D	D1	D2	H	H1	L
K0613.5108X	L	M8	51	15	10	23	20/40
K0613.5110X	L	M10	51	15	10	23	20/40
K0613.7608X	L	M8	76	19,5	13,5	30	20/40
K0613.7610X	L	M10	76	19,5	13,5	30	20/40
K0613.7612X	L	M12	76	19,5	13,5	30	20/30/40

Palm grips

similar to DIN 6335



Material:

Black duroplastic PF 31.

Projecting bush in steel.

Bush and threaded bolt in galvanized steel.

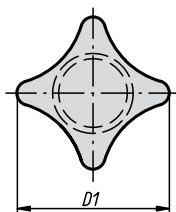
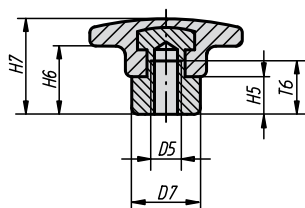
Surface finish:

Deburred and high-polish finish.

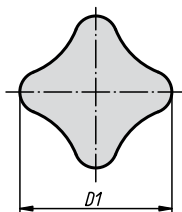
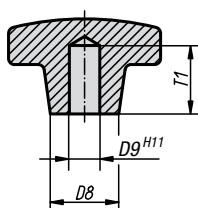
Sample order:

K0148.505X30 (Please also indicate dimension L.)

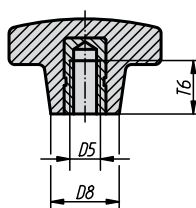
Form E
with projecting
steel bush



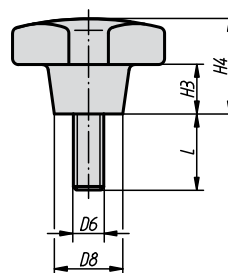
Form G
with blind hole



Form K
with threaded bush



Form L
with external thread



Palm grips

similar to DIN 6335



KIPP Palm grips similar to DIN 6335, form E

Order No.	Form	D1	D5	D7	H5	H6	H7	T6
K0148.306	E	32	M6	12	9	12	23	12
K0148.308	E	40	M8	14	10	13	26	14
K0148.310	E	50	M10	18	12	18	32	18
K0148.312	E	63	M12	20	14	23	40	22
K0148.316	E	80	M16	25	17	28	50	30

KIPP Palm grips similar to DIN 6335, form G

Order No.	Form	D1	D8	D9	H3	H4	T1
K0148.405	G	25	12	5	8	16	12
K0148.406	G	32	14	6	10	20	15
K0148.408	G	40	18	8	13	25	18
K0148.410	G	50	22	10	20	32	21
K0148.412	G	63	26	12	25	40	25

KIPP Palm grips similar to DIN 6335, form K

Order No.	Form	D1	D5	D8	H3	H4	T6
K0148.205	K	25	M5	12	8	16	9,5
K0148.206	K	32	M6	14	10	20	12
K0148.208	K	40	M8	18	13	25	14
K0148.210	K	50	M10	22	20	32	18
K0148.212	K	63	M12	26	25	40	22
K0148.216	K	80	M16	35	30	50	30

KIPP Palm grips similar to DIN 6335, form L

Order No.	Form	D1	D6	D8	H3	H4	L = screw length
K0148.505X	L	25	M5	12	8	16	15/20/25/30/40/50
K0148.506X	L	32	M6	14	10	20	15/20/25/30/40/50
K0148.508X	L	40	M8	18	13	25	20/25/30/35/40/45/50
K0148.510X	L	50	M10	22	20	32	20/25/30/35/40/45/50
K0148.512X	L	63	M12	26	25	40	20/30/40/50/60

Quick-fastening grips

in grey cast iron



Material:

Grey cast iron GJL 300.

Surface finish:

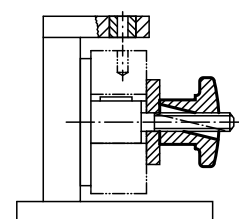
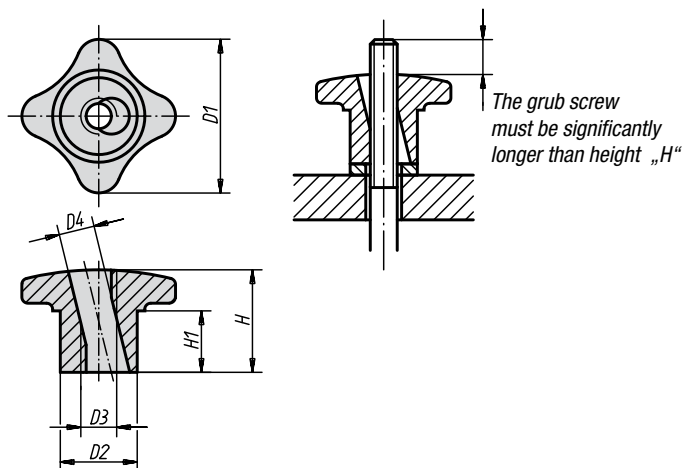
Sand-blasted or tumbled.

Sample order:

K0683.08

Note:

Quick-fastening grips can be used on all systems that do not require much clamping force. This function is achieved by means of a semilateral thread.



KIPP Quick-fastening palm grips in grey cast iron

Order No.	D1	D2	D3	D4	H	H1	Approx. weight kg
K0683.06	30	15	M6	7	20	10	0,025
K0683.08	40	18	M8	9,4	25	14	0,040
K0683.10	50	21	M10	11,3	30	16	0,085
K0683.12	60	26	M12	13,1	35	19	0,190
K0683.14	70	30	M14	15,6	40	22	0,270
K0683.16	80	34	M16	17,6	45	25	0,380

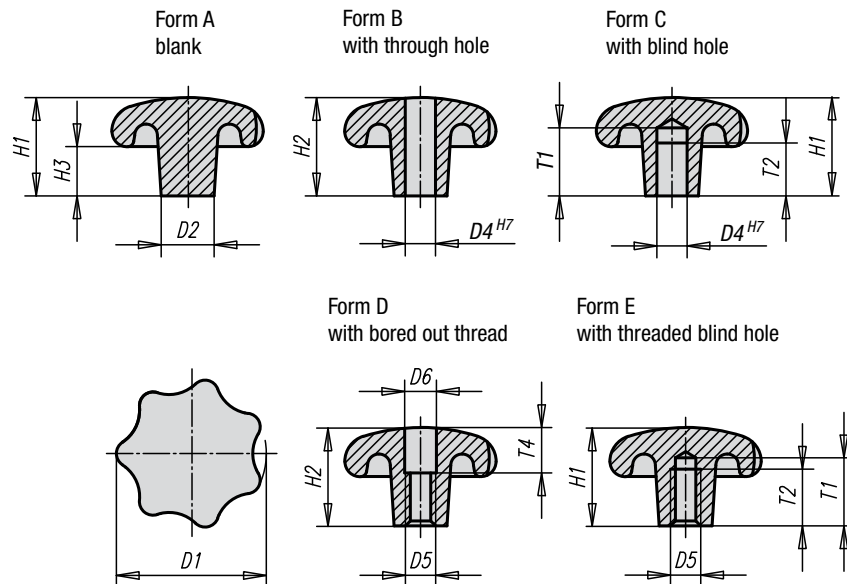


A large rectangular area filled with a fine grid of light gray lines, intended for taking notes or drawing.



Aluminium star grips

similar to DIN 6336



Material:
Aluminium.

Surface finish:
Natural finish. Tumbled or ground and polished.

Sample order:
K0149.14008

On request:
Star grips as blanks (deburred).

KIPP Aluminium star grips similar to DIN 6336

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

Order No. tumbled	Order No. polished	Form	D1	D2	D4	H2	H3
K0149.24008	K0149.240082	B	40	14	8	25	13
K0149.25010	K0149.250102	B	50	18	10	32	17
K0149.26312	K0149.263122	B	63	20	12	40	21
K0149.28016	K0149.280162	B	80	25	16	50	25

Aluminium star grips

similar to DIN 6336



KIPP Aluminium star grips similar to DIN 6336

Order No. tumbled	Order No. polished	Form	D1	D2	D4	H1	H3	T1	T2
K0149.34008	K0149.340082	C	40	14	8	26	13	18	15
K0149.35010	K0149.350102	C	50	18	10	34	17	21	18
K0149.36312	K0149.363122	C	63	20	12	42	21	25	22
K0149.38016	K0149.380162	C	80	25	16	52	25	32	28

Order No. tumbled	Order No. polished	Form	D1	D2	D5	D6	H2	H3	T4
K0149.44008	K0149.440082	D	40	14	M8	8,4	25	13	12
K0149.45010	K0149.450102	D	50	18	M10	10,5	32	17	16
K0149.46312	K0149.463122	D	63	20	M12	13	40	21	20
K0149.48016	K0149.480162	D	80	25	M16	17	50	25	30

Order No. tumbled	Order No. polished	Form	D1	D2	D5	H1	H3	T1	T2
K0149.54008	K0149.540082	E	40	14	M8	26	13	18	15
K0149.55010	K0149.550102	E	50	18	M10	34	17	21	18
K0149.56312	K0149.563122	E	63	20	M12	42	21	25	22
K0149.58016	K0149.580162	E	80	25	M16	52	25	32	28

Star grips

in stainless steel, similar to DIN 6336

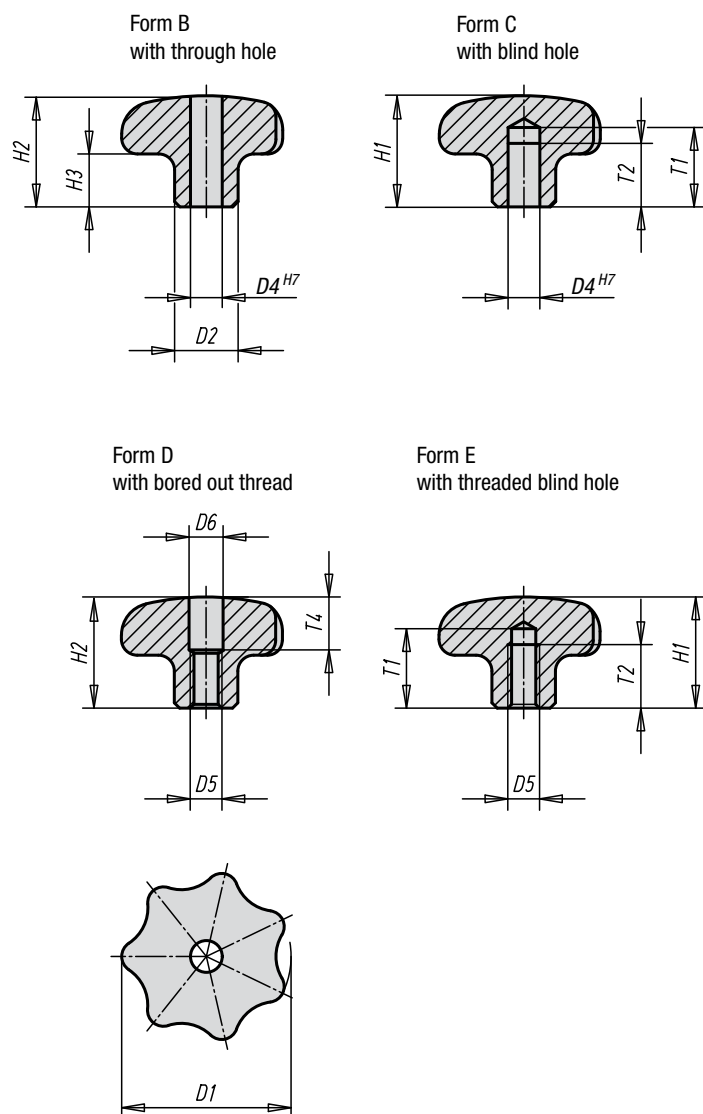


Material:
Stainless steel 1.4308.

Surface finish:
Ground and polished.

Sample order:
K0150.232062

On request:
Star grips in stainless steel with external thread.



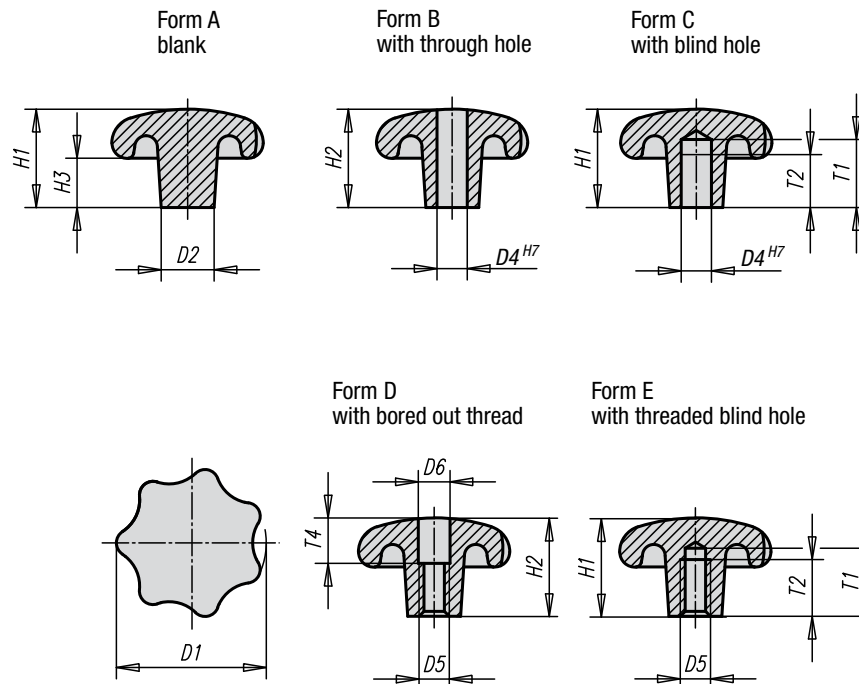
KIPP Star grips in stainless steel, similar to DIN 6336

Order No. Form B	Order No. Form C	Surface finish	D1	D2	D4	H1	H2	H3	T1	T2
K0150.232062	K0150.332062	polished	32	12	6	-/21	20/-	10	-/15	-/12
K0150.240082	K0150.340082	polished	40	14	8	-/26	25/-	13	-/18	-/15
K0150.250102	K0150.350102	polished	50	18	10	-/34	32/-	17	-/21	-/18
K0150.263122	K0150.363122	polished	63	20	12	-/42	40/-	21	-/25	-/22

Order No. Form D	Order No. Form E	Surface finish	D1	D2	D5	D6	H1	H2	H3	T1	T2	T4
K0150.432062	K0150.532062	polished	32	12	M6	6,4/-	-/21	20/-	10	-/15	-/12	10/-
K0150.440082	K0150.540082	polished	40	14	M8	8,4/-	-/26	25/-	13	-/18	-/15	12/-
K0150.450102	K0150.550102	polished	50	18	M10	10,5/-	-/34	32/-	17	-/21	-/18	16/-
K0150.463122	K0150.563122	polished	63	20	M12	13/-	-/42	40/-	21	-/25	-/22	20/-

Grey cast iron star grips

DIN 6336

**Material:**

Grey cast iron GJL 200.

Surface finish:

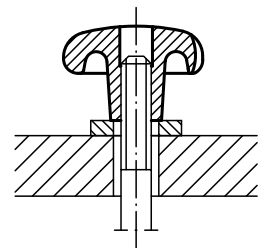
Natural finish, tumbled.

Sample order:

K0151.106

On request:

Grey cast iron star grips plastic-coated.



KIPP Grey cast iron star grips DIN 6336

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

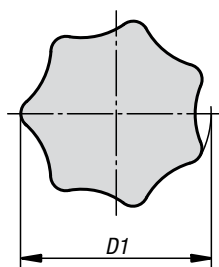
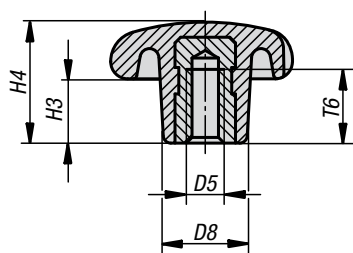
Order No. Form C	Order No. Form D	Order No. Form E	Surface finish	D1	D2	D4	D5	D6	H1	H2	H3	T1	T2	T4
K0151.306	K0151.406	K0151.506	tumbled	32	12	6/-/-	-/M6/M6	-/6,4/-	21/-/21	-/20/-	10	-/15/15	-/12/12	-/10/-
K0151.308	K0151.408	K0151.508	tumbled	40	14	8/-/-	-/M8/M8	-/8,4/-	26/-/26	-/25/-	13	-/18/18	-/15/15	-/12/-
K0151.310	K0151.410	K0151.510	tumbled	50	18	10/-/-	-/M10/M10	-/10,5/-	34/-/34	-/32/-	17	-/21/21	-/18/18	-/16/-
K0151.312	K0151.412	K0151.512	tumbled	63	20	12/-/-	-/M12/M12	-/13/-	42/-/42	-/40/-	21	-/25/25	-/22/22	-/20/-
K0151.316	K0151.416	K0151.516	tumbled	80	25	16/-/-	-/M16/M16	-/17/-	52/-/52	-/50/-	25	-/32/32	-/28/28	-/30/-

Star grips

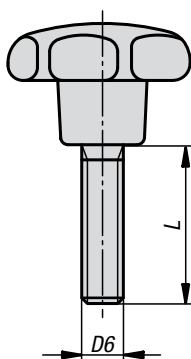
similar to DIN 6336



Form K
with threaded bush



Form L
with external thread



Material:

Duroplastic PF 31, black.
Bush and threaded bolt in galvanized steel and blue chromated.

Surface finish:

Deburred and high-polish finish.

Sample order:

K0152.42505X15 (Please also indicate dimension L.)

Note:

The version K0152.22004 has a bush in copper-plated steel.

On request:

Other colours.

KIPP Star grips similar to DIN 6336 with internal thread, form K

Order No.	Form	D1	D5	D8	H3	H4	T6
K0152.22004	K	20	M4	10	7	13	6,5
K0152.22505	K	25	M5	12	8	16	9,5
K0152.23206	K	32	M6	14	10	20	12
K0152.24008	K	40	M8	18	13	25	14
K0152.25010	K	50	M10	22	17	32	18
K0152.26312	K	63	M12	26	21	40	22
K0152.28016	K	80	M16	35	25	50	30

KIPP Star grips similar to DIN 6336 with external thread, form L

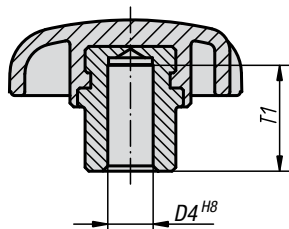
Order No.	Form	D1	D6	D8	H3	H4	L
K0152.42505X	L	25	M5	12	8	16	15/20/25
K0152.43206X	L	32	M6	14	10	20	15/20/25/30
K0152.44008X	L	40	M8	18	13	25	20/25/30/35/40
K0152.45010X	L	50	M10	22	17	32	25/30/35/40/50
K0152.46312X	L	63	M12	26	21	40	30/35/40/50/60
K0152.48016X	L	80	M16	35	25	50	30/40/50/60

Star grips

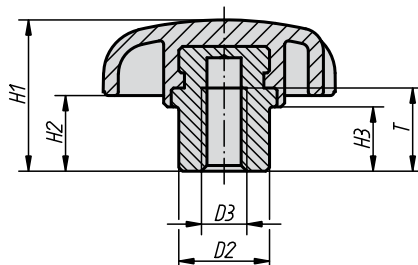
with projecting steel bush



Form H
bush with blind hole



Form K
with threaded bush



Material:

Black thermoplastic.

Steel parts quality class 5.8 or steel parts in stainless steel, 1.4305.

Surface finish:

Steel parts blue chromated or in stainless steel, natural finish.

Sample order:

K0153.2081

Note:

Star grips with projecting steel bush are especially suitable for cross pin connections.

KIPP Star grips with projecting steel bush, form H

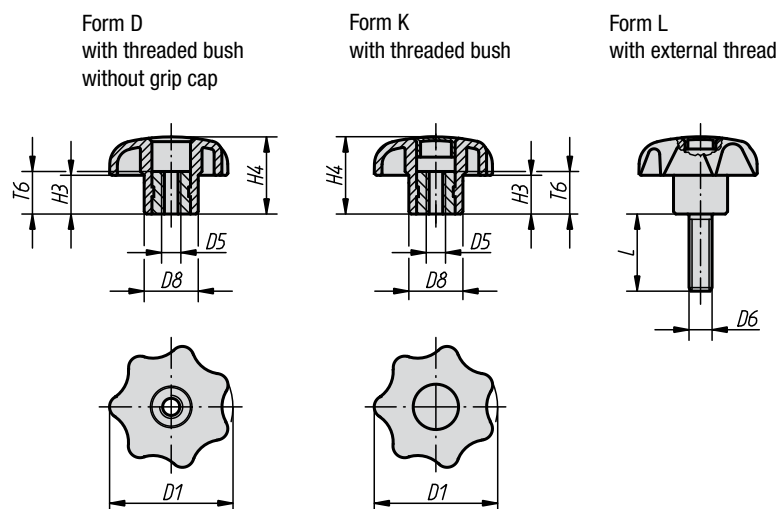
Order No.	Surface finish	Form	D4	T1	D1	D2	H1	H2	H3
K0153.105	bush in steel	H	5	9,5	25	10	16	8	6
K0153.106	bush in steel	H	6	12	32	12	20	10	8,5
K0153.1061	bush in steel	H	6	14	40	13,5	25	13	10
K0153.108	bush in steel	H	8	14	40	13,5	25	13	10
K0153.1081	bush in steel	H	8	18	50	19	32	17	12
K0153.110	bush in steel	H	10	18	50	19	32	17	12
K0153.1101	bush in steel	H	10	22	63	19	40	21	15
K0153.112	bush in steel	H	12	22	63	19	40	21	15
K0153.116	bush in steel	H	16	22	63	23	40	21	15

KIPP Star grips with projecting steel bush, form K

Order No. bush in steel	Order No. bush in stainless steel	Form	D3	T	D1	D2	H1	H2	H3
K0153.205	K0153.305	K	M5	8,5	25	10	16	8	6
K0153.206	K0153.306	K	M6	12	32	12	20	10	8,5
K0153.2061	K0153.3061	K	M6	14	40	13,5	25	13	10
K0153.208	K0153.308	K	M8	14	40	13,5	25	13	10
K0153.2081	K0153.3081	K	M8	18	50	19	32	17	12
K0153.210	K0153.310	K	M10	18	50	19	32	17	12
K0153.2101	K0153.3101	K	M10	22	63	19	40	21	15
K0153.212	K0153.312	K	M12	22	63	19	40	21	15
K0153.216	K0153.316	K	M16	22	63	23	40	21	15

Star grips

similar to DIN 6336, steel parts in stainless steel



Material:

Black thermoplastic. Bush and threaded bolt in stainless steel X 10 CrNiS 18 9 = 1.4305.

Surface finish:

Bush and threaded bolt natural finish.

Sample order:

K0154.4067X30 (Grip cap colour bright yellow; please also indicate dimension L.)

Note:

Δ Add the desired cap colour here. No colour code is required with black wheel caps.

On request:

Other colours or designs, such as company logos.



KIPP Star grips similar to DIN 6336, steel parts in stainless steel with internal thread, form D

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

KIPP Star grips similar to DIN 6336, steel parts in stainless steel with internal thread, form K

Order No.	Form	D1	D5	D8	H3	H4	T6	Approx. weight g
K0154.205Δ	K	25	M5	12	8	16	10	8
K0154.206Δ	K	32	M6	14	10	20	10	10
K0154.208Δ	K	40	M8	18	13	25	14	24
K0154.210Δ	K	50	M10	22	17	32	14	40
K0154.212Δ	K	63	M12	26	21	40	18	80

KIPP Star grips similar to DIN 6336, steel parts in stainless steel with external thread, form L

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

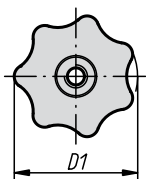
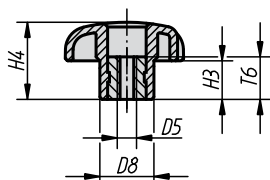


Star grips

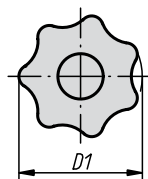
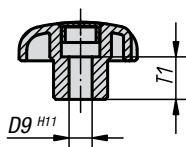
similar to DIN 6336



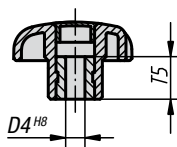
Form D
with threaded bush
without grip cap



Form G
without bush



Form H
bush with pocket hole



Material:
Black thermoplastic.
Bush and threaded bolt in steel.

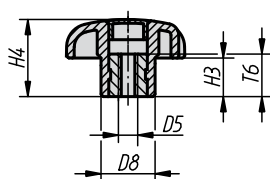
Surface finish:
Bush and threaded bolt galvanized and blue chromated.

Sample order:
K0155.4127X30 (Grip cap colour bright yellow;
please also indicate dimension L.)

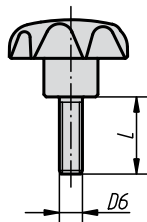
Note:
Δ Add the desired cap colour here. No colour code
is required with black wheel caps.

On request:
Other colours or designs, such as company logos.

Form K
with threaded bush
with grip cap



Form L
with external thread



black



light grey Δ = 5



RAL 7035

traffic red Δ = 6



RAL 3020

bright yellow Δ = 7



RAL 1021

KIPP Star grips similar to DIN 6336 with internal thread, form D

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

Star grips

similar to DIN 6336



examples of grip cap designs



KIPP Star grips similar to DIN 6336 with internal thread, form K

Order No.	Form	D1	D5	D8	H3	H4	T6	Approx. weight g
K0155.204Δ	K	25	M4	12	8	16	10	11
K0155.205Δ	K	25	M5	12	8	16	10	10
K0155.2061Δ	K	25	M6	12	8	16	10	10
K0155.2051Δ	K	32	M5	14	10	20	10	13
K0155.206Δ	K	32	M6	14	10	20	10	13
K0155.208Δ	K	40	M8	18	13	25	14	25
K0155.2101Δ	K	40	M10	18	13	25	14	24
K0155.2081Δ	K	50	M8	22	17	32	14	50
K0155.210Δ	K	50	M10	22	17	32	14	48
K0155.2121Δ	K	50	M12	22	17	32	18	46
K0155.2102Δ	K	63	M10	26	21	40	14	90
K0155.212Δ	K	63	M12	26	21	40	18	88
K0155.216Δ	K	63	M16	26	21	40	18	87

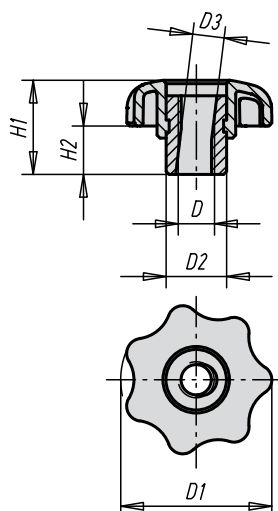
KIPP Star grips similar to DIN 6336 with locating hole, form G and H

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

KIPP Star grips similar to DIN 6336 with external thread, form L

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

Quick-acting star grips



Material:

Black thermoplastic.
Bush in steel.

Surface finish:

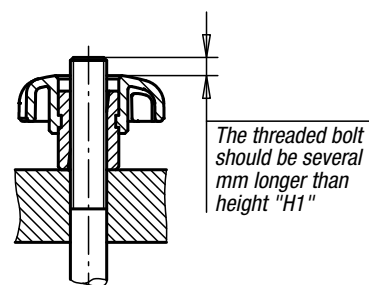
Bush galvanized and blue chromated.

Sample order:

K0156.06

Note:

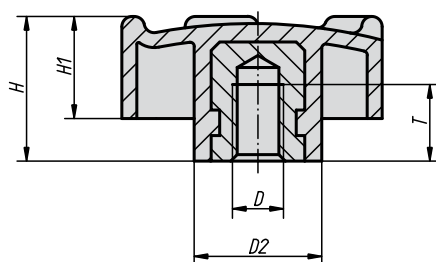
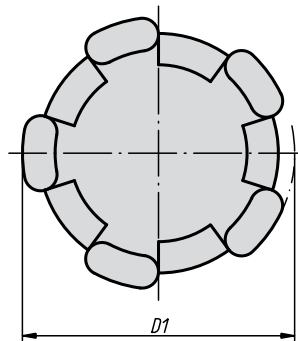
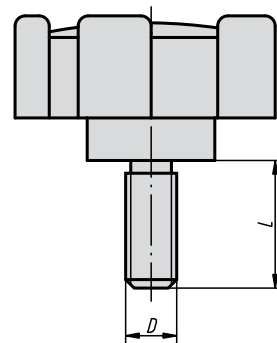
Quick-acting star grips are mainly used in applications where no high clamping pressures are required. This function is achieved by means of a semilateral thread.



KIPP Quick-acting star grips

Order No.	D	D1	D2	D3	H1	H2	Approx. weight kg
K0156.05	M5	25	10	5,2	15,5	8	0,008
K0156.06	M6	32	12	6,2	19,5	10	0,013
K0156.08	M8	40	13,5	8,3	24,5	13	0,020
K0156.10	M10	50	19	10,3	31	17	0,055
K0156.12	M12	63	19	12,3	39,5	21	0,068

Ripped grips

N^Gripped grip
with internal threadripped grip
with external thread

Novo-Grip ribbed grips make life easier. The ergonomic „edge rib configuration“ and the perfect proportioning open up new operating-specific potential.

Material, surface finish:

Anthracite grey thermoplastic.

Bush in brass.

Threaded bolt in steel, 5.8, blue chromated.

Sample order:

K0276.3206

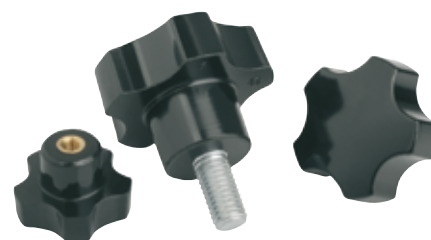
KIPP Ripped grips with internal thread

Order No.	Size	D	D1	D2	H	H1	T
K0276.3206	1	M6	32	15	17	12	9
K0276.4008	2	M8	40	18	20,5	14,5	11
K0276.5010	3	M10	50	20	25	18	14

KIPP Ripped grips with external thread

Order No.	Size	D	D1	D2	H	H1	L
K0276.320615	1	M6	32	15	17	12	15
K0276.400816	2	M8	40	18	20,5	14,5	16
K0276.501020	3	M10	50	20	25	18	20

Five lobe grips

**Material:**

Black duroplastic PF 31.

Bush and threaded bolt in galvanized steel.

Surface finish:

Deburred and high-polish finish.

Sample order:

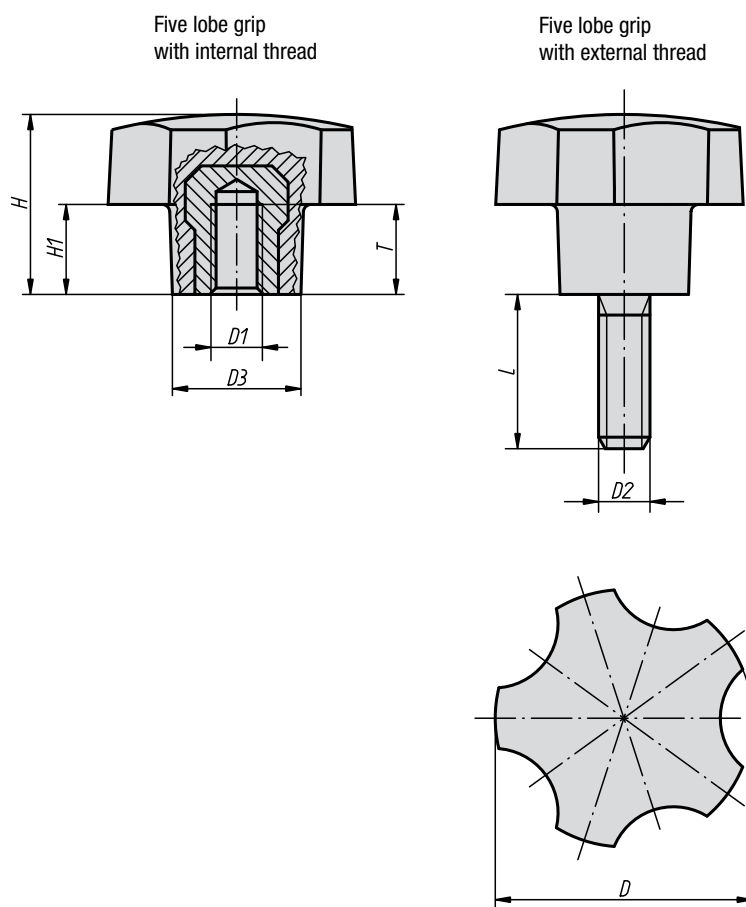
K0185.3206X12 (Please also indicate dimension L.)

Note:

The versions K0185.3205 and K0185.3206 have a bush in brass.

On request:

Other external threads, screw lengths and colours.

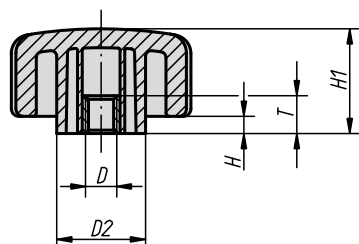
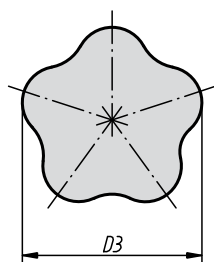
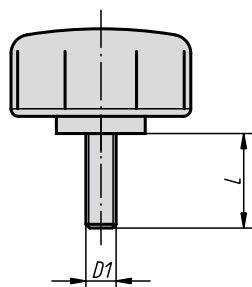
**KIPP Five lobe grips with internal thread**

Order No.	D	D1	D3	H	H1	T
K0185.3205	32	M5	16	22,4	11,2	10
K0185.3206	32	M6	16	22,4	11,2	9
K0185.4006	40	M6	20	28	14	12
K0185.4008	40	M8	20	28	14	14
K0185.4010	40	M10	20	28	14	14
K0185.5008	50	M8	25	35	17,5	14
K0185.5010	50	M10	25	35	17,5	14

KIPP Five lobe grips with external thread

Order No.	D	D2	D3	H	H1	L = screw length
K0185.3206X	32	M6	16	22,4	11,2	12/18
K0185.3208X	32	M8	16	22,4	11,2	16/24
K0185.4006X	40	M6	20	28	14	18
K0185.4008X	40	M8	20	28	14	16/20/24
K0185.4010X	40	M10	20	28	14	30
K0185.5008X	50	M8	25	35	17,5	16/24
K0185.5010X	50	M10	25	35	17,5	20/30

Five lobe grips

S^TForm K
internal threadForm L
external thread

Natural and secure gripping make the five lobe grip unique thanks to its material and shape.

Material, surface finish:

Base body in black hard thermoplastic.

Coating in black soft thermoplastic.

Internal thread in brass.

External thread in galvanized steel quality class 5.8.

Sample order:

K0279.4006X20 (Please also indicate dimension L.)

Note:

SYMPA TOUCH five lobe grips are available in 3 sizes with internal and external threads.

On request:

Other external threads, screw lengths, versions and colours.

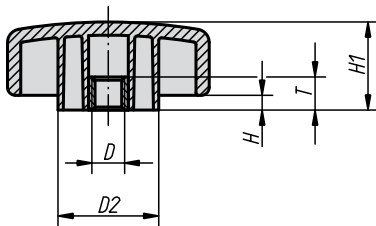
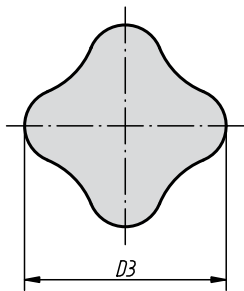
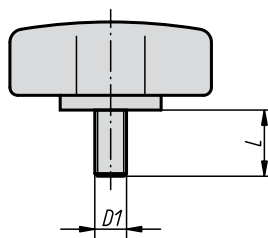
KIPP Five lobe grips with internal thread

Order No.	Form	D	D2	D3	H	H1	T
K0279.4005	K	M5	19	40	4,6	27,7	12,5
K0279.4006	K	M6	19	40	4,6	27,7	12,5
K0279.4008	K	M8	19	40	4,6	27,7	12,5
K0279.4010	K	M10	19	40	4,6	27,7	12,5
K0279.5006	K	M6	23,5	50	4,6	27,7	12,5
K0279.5008	K	M8	23,5	50	4,6	27,7	12,5
K0279.5010	K	M10	23,5	50	4,6	27,7	12,5
K0279.6006	K	M6	31,8	60	4,6	27,7	12,5
K0279.6008	K	M8	31,8	60	4,6	27,7	12,5
K0279.6010	K	M10	31,8	60	4,6	27,7	12,5

KIPP Five lobe grips with external thread

Order No.	Form	D1	D2	D3	H	H1	L = screw length
K0279.4006X	L	M6	19	40	4,6	27,7	15/20/25/35
K0279.4008X	L	M8	19	40	4,6	27,7	16/25/35
K0279.4010X	L	M10	19	40	4,6	27,7	20/30/40/50
K0279.5006X	L	M6	23,5	50	4,6	27,7	15/20/25/35
K0279.5008X	L	M8	23,5	50	4,6	27,7	16/25/35
K0279.5010X	L	M10	23,5	50	4,6	27,7	30/40/50
K0279.6006X	L	M6	31,8	60	4,6	27,7	15/20/25/35
K0279.6008X	L	M8	31,8	60	4,6	27,7	16/25/35
K0279.6010X	L	M10	31,8	60	4,6	27,7	20/30/40/50

Flat four lobe grips

S^TForm K
internal threadForm L
external thread

Extraordinary gripping safety combined with attractive design are key elements to outstanding functionality. Due to their flat construction, the flat four lobe grips are suitable for low working spaces.

Material, surface finish:

Base body in black hard thermoplastic.

Coating in black soft thermoplastic.

Internal thread in brass.

External thread in galvanized steel quality class 5.8.

Sample order:

K0278.3506X20 (Please also indicate dimension L.)

Note:

SYMPA TOUCH flat four lobe grips are available in 5 sizes with internal and external threads.

On request:

Other external threads, screw lengths, versions and colours.

Flat four lobe grips



KIPP Flat four lobe grips with internal thread

Order No.	Form	D	D2	D3	H	H1	T
K0278.3505	K	M5	14,2	35,5	2,8	15,5	12,5
K0278.3506	K	M6	14,2	35,5	2,8	15,5	12,5
K0278.4405	K	M5	17,5	44,5	3,3	19,3	12,5
K0278.4406	K	M6	17,5	44,5	3,3	19,3	12,5
K0278.4408	K	M8	17,5	44,5	3,3	19,3	12,5
K0278.4410	K	M10	17,5	44,5	3,3	19,3	12,5
K0278.5005	K	M5	23,6	50,8	3,8	22,1	12,5
K0278.5006	K	M6	23,6	50,8	3,8	22,1	12,5
K0278.5008	K	M8	23,6	50,8	3,8	22,1	12,5
K0278.5010	K	M10	23,6	50,8	3,8	22,1	12,5
K0278.6306	K	M6	31,7	63,5	4,6	27,7	12,5
K0278.6308	K	M8	31,7	63,5	4,6	27,7	12,5
K0278.6310	K	M10	31,7	63,5	4,6	27,7	12,5
K0278.6312	K	M12	31,7	63,5	4,6	27,7	12,5
K0278.7608	K	M8	38,1	76,2	5,6	33,3	12,5
K0278.7610	K	M10	38,1	76,2	5,6	33,3	12,5
K0278.7612	K	M12	38,1	76,2	5,6	33,3	12,5

KIPP Flat four lobe grips with external thread

Order No.	Form	D1	D2	D3	H	H1	L = screw length
K0278.3506X	L	M6	14,2	35,5	2,8	15,5	15/20/25/35
K0278.4406X	L	M6	17,5	44,5	3,3	19,3	15/20/25/35
K0278.4408X	L	M8	17,5	44,5	3,3	19,3	16/25/35
K0278.4410X	L	M10	17,5	44,5	3,3	19,3	20/30/40/50
K0278.5006X	L	M6	23,6	50,8	3,8	22,1	15/20/25/35
K0278.5008X	L	M8	23,6	50,8	3,8	22,1	16/25/35
K0278.5010X	L	M10	23,6	50,8	3,8	22,1	30/40/50
K0278.6306X	L	M6	31,7	63,5	4,6	27,7	15/20/25/35
K0278.6308X	L	M8	31,7	63,5	4,6	27,7	16/25/35
K0278.6310X	L	M10	31,7	63,5	4,6	27,7	30/40/50
K0278.7608X	L	M8	38,1	76,2	5,6	33,3	16/25/35
K0278.7610X	L	M10	38,1	76,2	5,6	33,3	30/40/50

High clamping grips

S^T



The high clamping grips are distinguished by their unusual design. The high form permits high clamping forces while being gentle to the hands.

Material, surface finish:

Base body in black hard thermoplastic.

Coating in black soft thermoplastic.

Internal thread in brass.

External thread in galvanized steel quality class 5.8.

Sample order:

K0280.4206X20 (Please also indicate dimension L.)

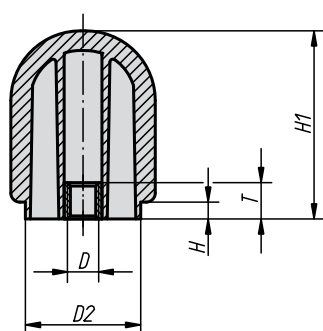
Note:

SYMPA TOUCH high clamping grips are available in 2 sizes with internal and external threads.

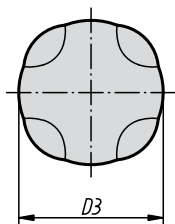
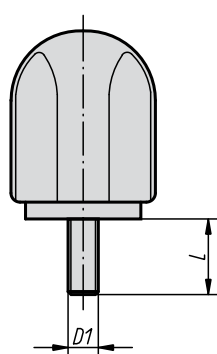
On request:

Other external threads, screw lengths, versions and colours.

Form K
internal thread



Form L
external thread



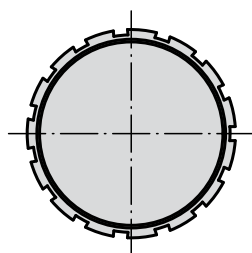
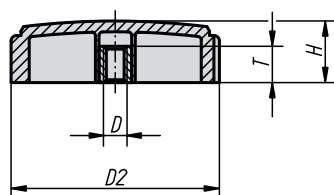
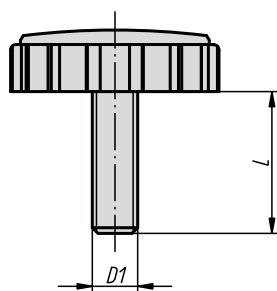
KIPP High clamping grips with internal thread

Order No.	Form	D	D2	D3	H	H1	T
K0280.4206	K	M6	34	42,7	4,8	55,6	12,5
K0280.4208	K	M8	34	42,7	4,8	55,6	12,5
K0280.4210	K	M10	34	42,7	4,8	55,6	12,5
K0280.4212	K	M12	34	42,7	4,8	55,6	12,5
K0280.4706	K	M6	38,1	47,8	5,6	62,2	12,5
K0280.4708	K	M8	38,1	47,8	5,6	62,2	12,5
K0280.4710	K	M10	38,1	47,8	5,6	62,2	12,5
K0280.4712	K	M12	38,1	47,8	5,6	62,2	12,5

KIPP High clamping grips with external thread

Order No.	Form	D1	D2	D3	H	H1	L = screw length
K0280.4206X	L	M6	34	42,7	4,8	55,6	15/20/25/35
K0280.4208X	L	M8	34	42,7	4,8	55,6	16/25/35
K0280.4210X	L	M10	34	42,7	4,8	55,6	20/30/40/50
K0280.4706X	L	M6	38,1	47,8	5,6	62,2	20/35
K0280.4708X	L	M8	38,1	47,8	5,6	62,2	35
K0280.4710X	L	M10	38,1	47,8	5,6	62,2	40/50

Turning grips

S^TForm K
internal threadForm L
external thread

Due to their extremely small height, these grips can also be used in very narrow clamping spaces. The slots on the edge improve gripping ability.

Material, surface finish:

Base body in black hard thermoplastic.

Coating in black soft thermoplastic.

Internal thread in brass.

External thread in galvanized steel quality class 5.8.

Sample order:

K0281.5706X20 (Please also indicate dimension L.)

Note:

SYMPA TOUCH turning grips are available in one size with internal and external threads.

On request:

Other external threads, screw lengths, versions and colours.

KIPP Turning grips with internal thread

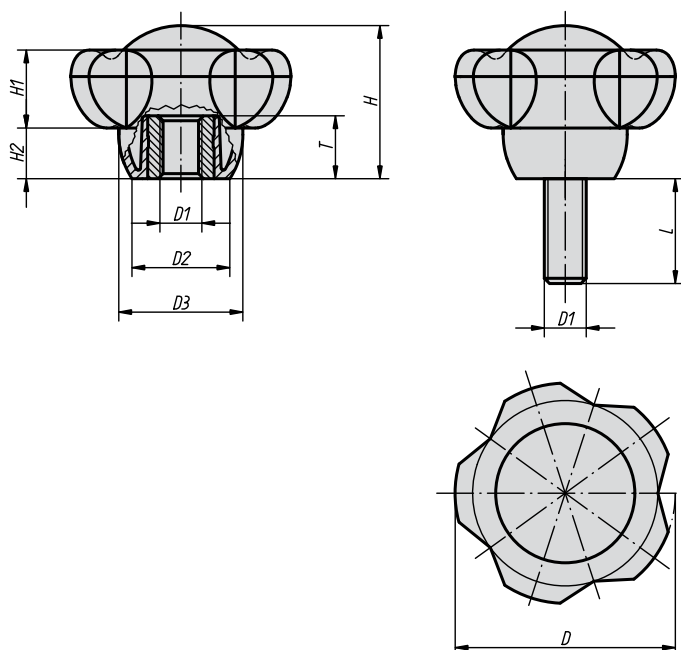
Order No.	Form	D	D2	H	T
K0281.5705	K	M5	57,4	17	12,5
K0281.5706	K	M6	57,4	17	12,5
K0281.5708	K	M8	57,4	17	12,5
K0281.5710	K	M10	57,4	17	12,5

KIPP Turning grips with external thread

Order No.	Form	D1	D2	H	L = screw length
K0281.5706X	L	M6	57,4	17	15/20/25/35
K0281.5708X	L	M8	57,4	17	16/25/30/35
K0281.5710X	L	M10	57,4	17	30/40/50

Clamp grips

N^G



This technology and the completely new developed design make operating and clamping processes easier. New fields of application and the associated creativity contribute towards bringing together peoples' needs and required safety of gripping.

Material, surface finish:

Anthracite grey thermoplastic.
Bush and threaded bolt in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish.

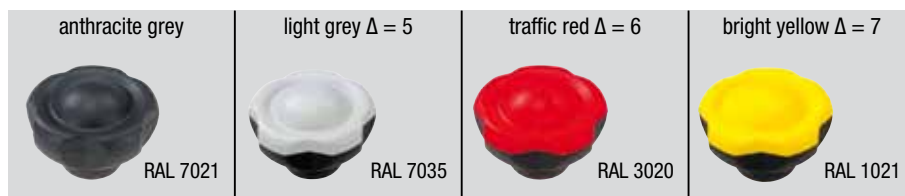
Sample order:

K0255.50106X30 (Cap colour traffic red; please also indicate dimension L.)

Note:

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

Δ Add the desired grip cap colour here; no colour code is required with anthracite grey grip caps.



KIPP Clamp grips with internal thread

Order No. bush in steel	Order No. bush in stainless steel	D	D1	D2	D3	H	H1	H2	T	Approx. weight kg
K0255.5008Δ	K0255.50081Δ	50	M8	22,2	28,2	34,8	17,8	11,5	14	0,030
K0255.5010Δ	K0255.50101Δ	50	M10	22,2	28,2	34,8	17,8	11,5	14	0,020
K0255.5012Δ	K0255.50121Δ	50	M12	22,2	28,2	34,8	17,8	11,5	18	0,010
K0255.6310Δ	K0255.63101Δ	63	M10	28	35,5	44	22,5	14,5	14	0,070
K0255.6312Δ	K0255.63121Δ	63	M12	28	35,5	44	22,5	14,5	18	0,050
K0255.6316Δ	-	63	M16	28	35,5	44	22,5	14,5	18	0,040

KIPP Clamp grips with external thread

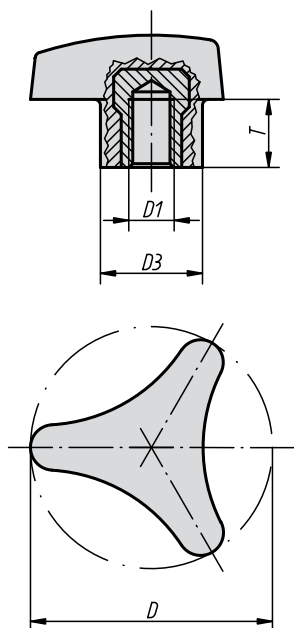
Order No. bolts steel	Order No. bolts stainless steel	D	D1	D2	D3	H	H1	H2	L = screw length
K0255.5010ΔX	K0255.50101ΔX	50	M10	22,2	28,2	34,8	17,8	11,5	15/20/25/30/35/40/45/50/60
K0255.5012ΔX	-	50	M12	22,2	28,2	34,8	17,8	11,5	15/20/25/30/35/40/45/50/60
K0255.6310ΔX	K0255.63101ΔX	63	M10	28	35,5	44	22,5	14,5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

Triangular star grips

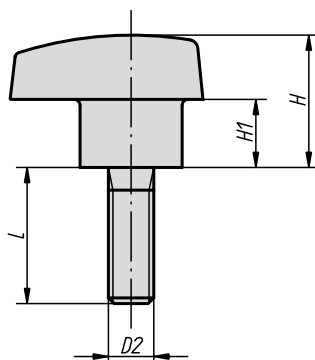
with high collar



Triangular star grip
with internal thread



Triangular star grip
with external thread



Material:

Black duroplastic PF 31.

Bush and threaded bolt in galvanized steel
or stainless steel with natural finish.

Surface finish:

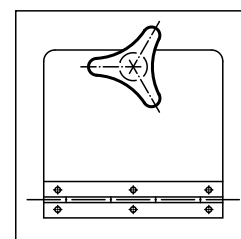
Deburred and high-polish finish

Sample order:

K0183.14008X20 (Please also indicate dimension L.)

On request:

Other external threads, screw lengths and colours.



KIPP Triangular star grips with high collar and internal thread

Order No.	Surface finish	D	D1	D3	H	H1	T
K0183.14006	bush in steel	40	M6	13,5	24	13,5	9
K0183.15008	bush in steel	50	M8	17,4	28	14	13
K0183.16210	bush in steel	62	M10	21,8	34	17	13
K0183.24006	bush in stainless steel	40	M6	13,5	24	13,5	9
K0183.25008	bush in stainless steel	50	M8	17,4	28	14	13
K0183.26210	bush in stainless steel	62	M10	21,8	34	17	13

KIPP Triangular star grips with high collar and external thread

Order No.	Surface finish	D	D2	D3	H	H1	L
K0183.14006X15	bolt in steel	40	M6	13,5	24	13,5	15
K0183.14008X20	bolt in steel	40	M8	13,5	24	13,5	20
K0183.15008X20	bolt in steel	50	M8	17,4	28	14	20
K0183.15010X25	bolt in steel	50	M10	17,4	28	14	25
K0183.16210X25	bolt in steel	62	M10	21,8	34	17	25
K0183.24006X20	bolt in stainless steel	40	M6	13,5	24	13,5	20
K0183.24008X20	bolt in stainless steel	40	M8	13,5	24	13,5	20
K0183.25008X20	bolt in stainless steel	50	M8	17,4	28	14	20
K0183.25010X30	bolt in stainless steel	50	M10	17,4	28	14	30
K0183.26210X30	bolt in stainless steel	62	M10	21,8	34	17	30

Knurled wheels

N^G



Form D
threaded bush
without wheel cap

Form K
threaded bush
with wheel cap

Form E
bush with pocket hole
without wheel cap

Form H
bush with pocket hole
with wheel cap

Form L
with external thread

Novo-Grip knurled wheels are characterized mainly by their wide range of applications and their outstanding design. The ergonomically designed knurled wheel guarantees absolutely secure and perfect handling.

Material, surface finish:

Anthracite grey thermoplastic.

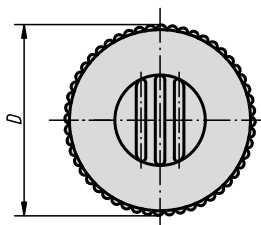
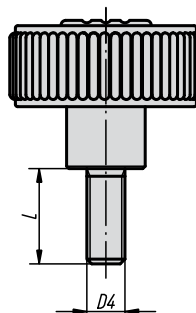
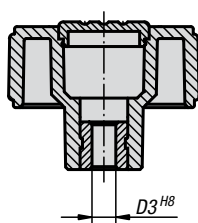
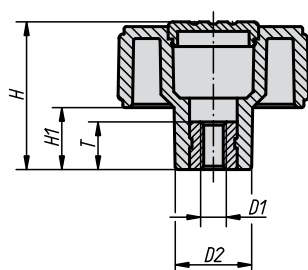
Bush and threaded bolt in steel 5.8, blue chromated.

Sample order:

K0260.41067 (Wheel cap colour bright yellow.)

Note:

Δ Add the desired wheel cap colour here. No colour code is required with anthracite grey wheel caps.



anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

KIPP Knurled wheels with internal thread, form D

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



KIPP Knurled wheels with internal thread, form K

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

KIPP Knurled wheels with pocket hole, form E

Order No.	Form	Surface finish	Size	D	D2	D3	H	H1	T
K0260.3106	E	bush in steel	1	40	16,5	6	31	13	10
K0260.3208	E	bush in steel	2	50	18	8	36	15	14
K0260.3310	E	bush in steel	3	63	22	10	41	17	14

KIPP Knurled wheels with pocket hole, form H

Order No.	Form	Surface finish	Size	D	D2	D3	H	H1	T
K0260.4106Δ	H	bush in steel	1	40	16,5	6	31	13	10
K0260.4208Δ	H	bush in steel	2	50	18	8	36	15	14
K0260.4310Δ	H	bush in steel	3	63	22	10	41	17	14

KIPP Knurled wheels with external thread, form L

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

Knurled wheels

steel parts in stainless steel

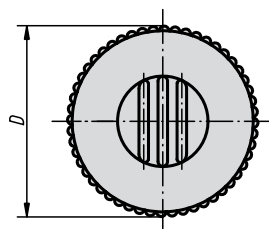
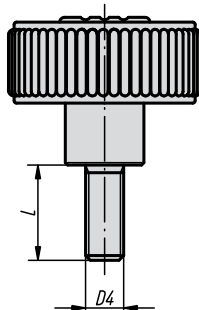
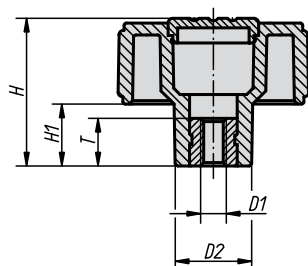
N^G



Form D
threaded bush
without wheel cap

Form K
threaded bush
with wheel cap

Form L
with external thread



Novo-Grip knurled wheels are characterized mainly by their wide range of applications and their outstanding design. The ergonomically designed knurled wheel guarantees absolutely secure and perfect handling.

Material, surface finish:

Anthracite grey thermoplastic.

Bush and threaded bolt in stainless steel 1.4305, natural finish.

Sample order:

K0261.51056X10 (Wheel cap colour traffic red; please also indicate dimension L.)

Note:

Δ Add the desired wheel cap colour here. No colour code is required with anthracite grey wheel caps.

anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

KIPP Knurled wheels with internal thread, steel parts in stainless steel, form D

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

Knurled wheels

steel parts in stainless steel



KIPP Knurled wheels with internal thread, steel parts in stainless steel, form K

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

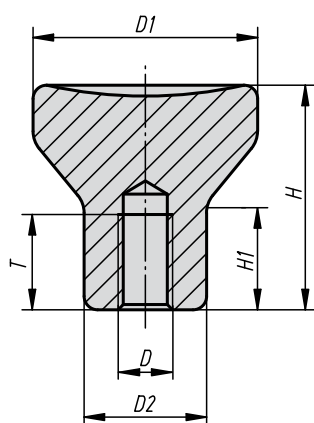
KIPP Knurled wheels with external thread, steel parts in stainless steel, form L

Order No.	Form	Surface finish	Size	D	D2	D4	H	H1	L = screw length
K0261.5105ΔX	L	bolts stainless steel	1	40	16,5	M5	31	13	10/20
K0261.5106ΔX	L	bolts stainless steel	1	40	16,5	M6	31	13	10/20/40
K0261.5108ΔX	L	bolts stainless steel	1	40	16,5	M8	31	13	15/30/60
K0261.5208ΔX	L	bolts stainless steel	2	50	18	M8	36	15	15/30/60
K0261.5210ΔX	L	bolts stainless steel	2	50	18	M10	36	15	20/30/60
K0261.5310ΔX	L	bolts stainless steel	3	63	22	M10	41	17	20/30/60

Mushroom knobs

with internal thread in steel or stainless steel

N^G



Material:

Stainless steel electrolytic-polish.
Steel, galvanized and blue chromated.

Sample order:

K0250.104

On request:

Mushroom knobs with external threads.

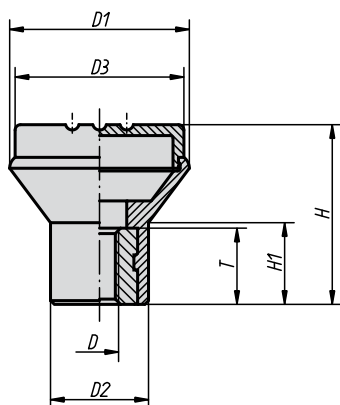
KIPP Mushroom knobs with internal thread in steel or stainless steel

Order No. Steel	Order No. Stainless steel	D	D1	D2	H	H1	T	Approx. weight kg
K0250.0902	K0250.902	M2	14	8	14	6,7	4	0,009
K0250.0003	K0250.003	M3	18	10	18	8,6	7,5	0,019
K0250.0104	K0250.104	M4	21	12	21	10	10	0,030
K0250.0105	K0250.105	M5	21	12	21	10	12,5	0,030
K0250.0206	K0250.206	M6	25	14	25	12	12	0,049
K0250.0308	K0250.308	M8	33	18	33	16	16	0,113
K0250.0410	K0250.410	M10	40	24	40	18,7	20	0,217

Mushroom knobs

with internal thread

N^G



Novo-Grip mushroom knobs represent a special form of gripping: absolutely secure, fast and easy. It is the new and unique dimension of gripping which distinguishes the Novo-Grip mushroom knobs. Try it!

Material, surface finish:

Anthracite grey thermoplastic.

Bush in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish.

Sample order:

K0251.046 (Knob cap colour traffic red.)

Note:

Δ Add the desired knob cap colour here; no colour code is required with anthracite grey knob caps.

anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

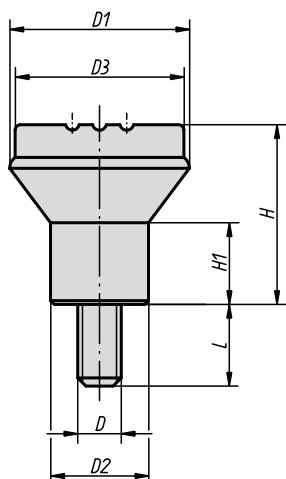
KIPP Mushroom knobs with internal thread

Order No. bush in steel	Order No. bush in stainless steel	Size	D	D1	D2	D3	H	H1	T	Approx. weight kg
K0251.04Δ	K0251.004Δ	1	M4	21	12	19	21	10	10	0,009
K0251.05Δ	K0251.005Δ	1	M5	21	12	19	21	10	10	0,008
K0251.06Δ	K0251.006Δ	2	M6	25	14	23	25	12	10	0,009
K0251.08Δ	K0251.008Δ	3	M8	33	19	31	33	15	14	0,022

Mushroom knobs

with external thread

N^G



Novo-Grip mushroom knobs represent a special form of gripping: absolutely secure, fast and easy. It is the new and unique dimension of gripping which distinguishes the Novo-Grip mushroom knobs. Try it!

Material, surface finish:

Anthracite grey thermoplastic.

Threaded bolt in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish.

Sample order:

K0251.046X10 (Knob cap colour traffic red; please also indicate dimension L.)

Note:

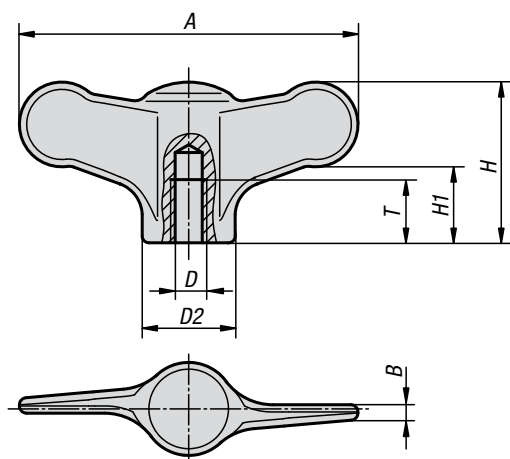
Δ Add the desired knob cap colour here. No colour code is required with anthracite grey knob caps.

anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

KIPP Mushroom knobs with external thread

Order No. bolts steel	Order No. bolts stainless steel	Size	D	D1	D2	D3	H	H1	L	Approx. weight kg
K0251.04ΔX10	K0251.004ΔX10	1	M4	21	12	19	21	10	10	0,010
K0251.05ΔX10	K0251.005ΔX10	1	M5	21	12	19	21	10	10	0,010
K0251.06ΔX15	K0251.006ΔX15	2	M6	25	14	23	25	12	15	0,014
K0251.08ΔX15	K0251.008ΔX15	3	M8	33	19	31	33	15	15	0,031

Wing grips in stainless steel


Material, surface finish:

Stainless steel 1.4308, ground and polished.

Sample order:

K0273.105

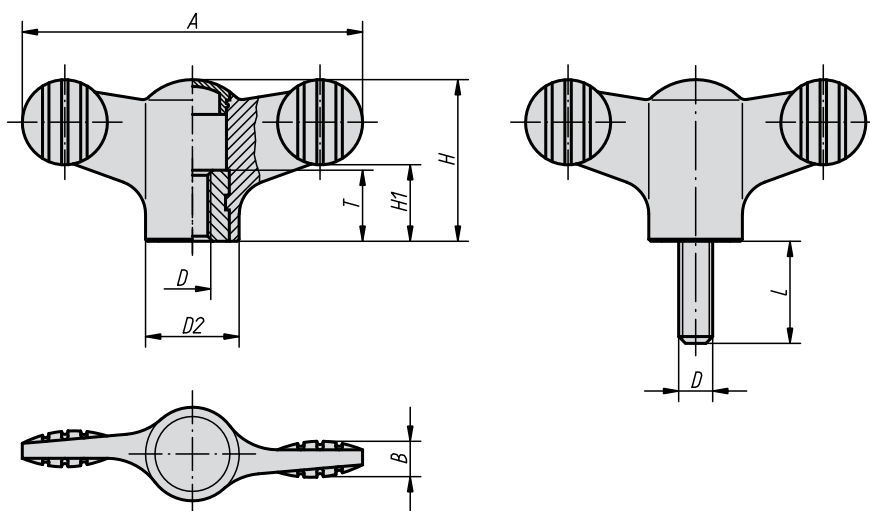
On request:

Wing grips with external threads.

KIPP Wing grips in stainless steel with internal thread

Order No.	D	D2	A	B	H	H1	T	Approx. weight kg
K0273.904	M4	10,5	38	1,7	18	8,5	9	0,015
K0273.905	M5	10,5	38	1,7	18	8,5	9	0,015
K0273.906	M6	10,5	38	1,7	18	8,5	9	0,015
K0273.105	M5	14	50	2,3	24	11,5	12	0,035
K0273.106	M6	14	50	2,3	24	11,5	12	0,035
K0273.208	M8	21	75	3,4	35	16,5	15	0,121
K0273.210	M10	21	75	3,4	35	16,5	15	0,121

Wing grips

N^G

For many people the modern Novo-Grip wing grips represent the perfect constructive and technical solution for absolutely „natural“ gripping. It enables more comfortable handling than ever before.

Material, surface finish:

Anthracite grey thermoplastic bush and threaded bolt in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish

Sample order:

K0274.1057X20 (Grip cap colour bright yellow; please also indicate dimension L.)

Note:

Δ Add the desired cap colour here. No colour code is required with anthracite grey grip caps.

**KIPP Wing grips with internal thread**

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

KIPP Wing grips with external thread

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

Wing grips

with continuous internal thread

N^G



For many people the modern Novo-Grip wing grips represent the perfect constructive and technical solution for absolutely „natural“ gripping. It enables more comfortable handling than ever before.

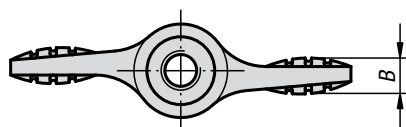
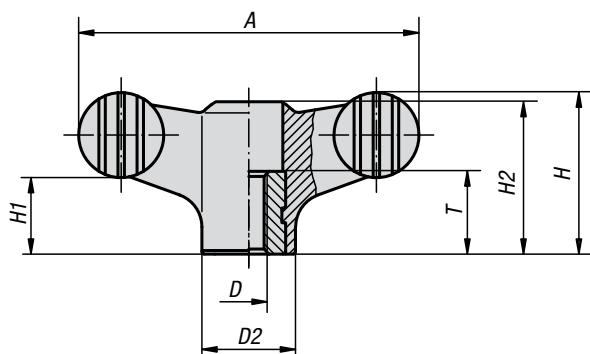
Material, surface finish:

Anthracite grey thermoplastic.

Bush in steel 5.8, blue chromated or stainless steel 1.4305, natural finish.

Sample order:

K0274.1904

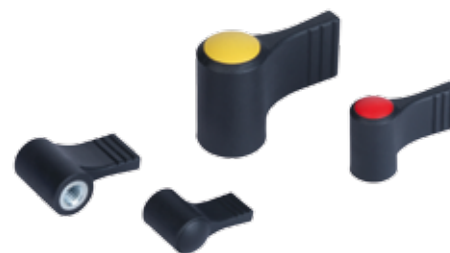


KIPP Wing grips with continuous internal thread

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

Wing grips, one-sided

N^G



Material:

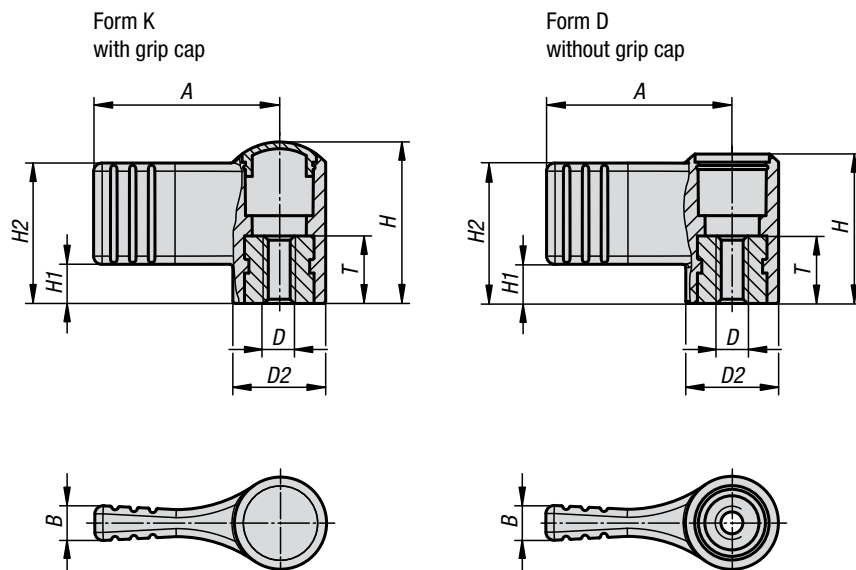
Anthracite grey thermoplastic.
Bush in steel 5.8, blue chromated or in stainless steel 1.4305, natural finish.

Sample order:

K0608.09046 (Bush M4 in stainless steel, cover in traffic red.)

Note:

Δ Add the desired cap colour here. No colour code is required with anthracite grey wheel caps.



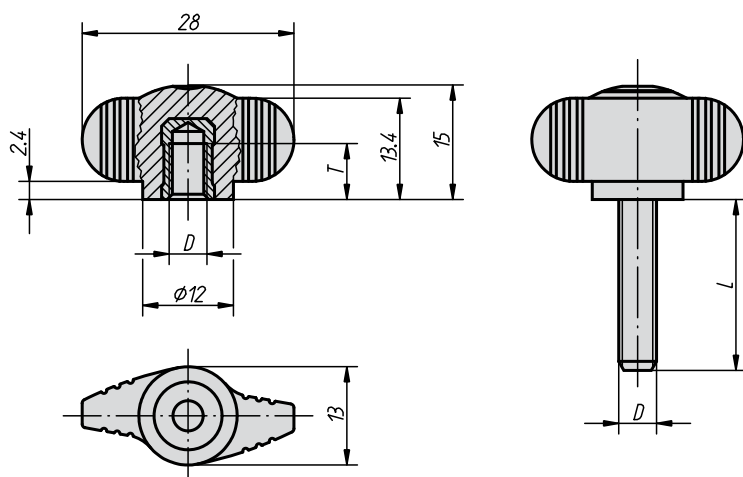
KIPP Wing grips, one-sided with cover

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

KIPP Wing grips, one-sided without cover

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

Miniwings

N^G

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

Material, surface finish:

Anthracite grey thermoplastic.

Bush in brass or stainless steel 1.4305, natural finish.

Threaded bolt in steel 5.8, blue chromated or stainless steel 1.4305, natural finish.

Sample order:

K0274.005X10 (Please also indicate dimension L.)

KIPP Miniwings with internal thread

Order No.	Surface finish	D	T	Approx. weight kg
K0274.004	Bush brass	M4	6	0,003
K0274.005	Bush brass	M5	7,5	0,004
K0274.006	Bush brass	M6	9	0,005
K0274.0004	bush in stainless steel	M4	6	0,003
K0274.0005	bush in stainless steel	M5	7,5	0,004
K0274.0006	bush in stainless steel	M6	9	0,005

KIPP Miniwings with external thread

Order No.	Surface finish	D	L = screw length
K0274.004X	bolts steel	M4	8
K0274.005X	bolts steel	M5	10/15/20
K0274.006X	bolts steel	M6	10/15/20/25/30
K0274.008X	bolts steel	M8	20/25/30/40
K0274.0004X	bolts stainless steel	M4	8
K0274.0005X	bolts stainless steel	M5	10/15/20
K0274.0006X	bolts stainless steel	M6	10/15/20/25/30
K0274.0008X	bolts stainless steel	M8	20/25/30/40

Miniwing

with continuous internal thread

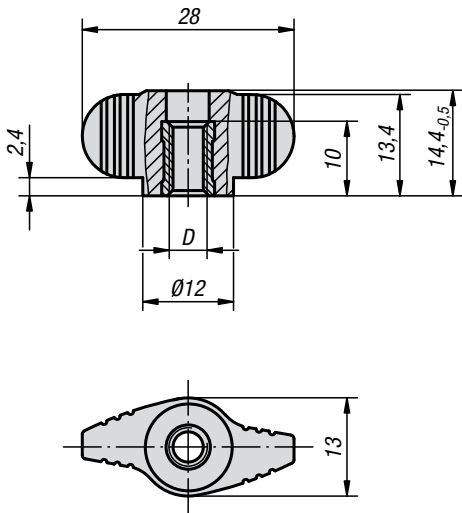
N^G



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

Material, surface finish:
Anthracite grey thermoplastic.
Bush in steel 5.8, blue chromated or stainless steel 1.4305, natural finish.

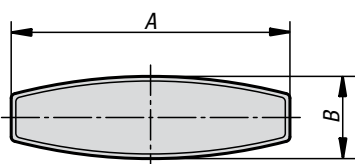
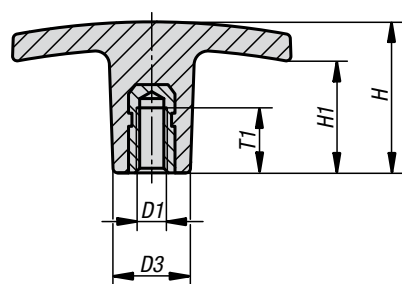
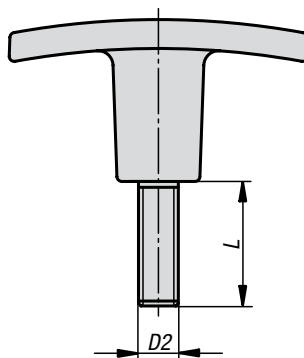
Sample order:
K0658.1004



KIPP Miniwing with continuous internal thread

Order No.	Surface finish	D
K0658.1004	bush in steel	M4
K0658.1005	bush in steel	M5
K0658.1006	bush in steel	M6
K0658.10004	bush in stainless steel	M4
K0658.10005	bush in stainless steel	M5
K0658.10006	bush in stainless steel	M6

T-grips

T-grip
with internal threadT-grip
with external thread**Material, surface finish:**

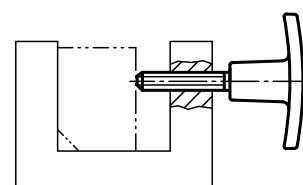
Glass-fibre reinforced thermoplastic, black.

Threaded bush in brass.

Threaded bolt in steel, galvanized

Sample order:

K0180.25005X15 (Please also indicate dimension L.)

On request:Grip coloured in red, yellow, green, blue, white or grey
(provided that the number of pieces is more than 250).**KIPP T-grips, with internal thread**

Order No.	A	B	D1	D3	H	H1	T1	Approx. weight kg
K0180.14005	40	13	M5	13	30,5	20	10	0,011
K0180.15005	50	15	M5	14	24	16	10	0,013
K0180.16006	60	17	M6	16	31,5	23	12	0,017
K0180.17108	71	19,5	M8	20	36	19	20	0,028
K0180.17110	71	19,5	M10	20	36	19	20	0,030
K0180.18010	80	26	M10	26	39,5	26	25	0,048
K0180.18012	80	26	M12	26	39,5	26	25	0,056

KIPP T-grips, with external thread

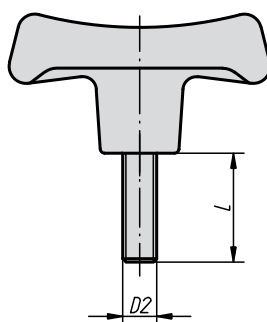
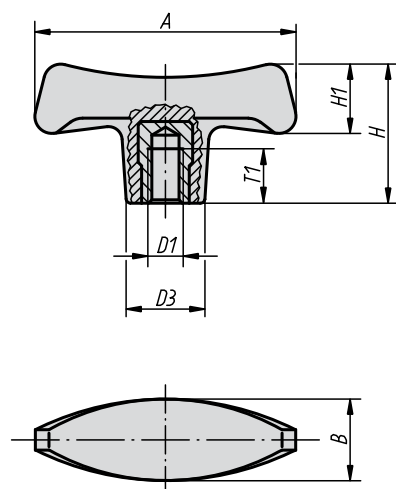
Order No.	A	B	D2	D3	H	H1	L = screw length
K0180.24005X	40	13	M5	13	30,5	20	15
K0180.25005X	50	15	M5	14	24	16	15/20
K0180.26006X	60	17	M6	16	31,5	23	20/25
K0180.27108X	71	19,5	M8	20	36	19	20/30
K0180.27110X	71	19,5	M10	20	36	19	20/30
K0180.28010X	80	26	M10	26	39,5	26	30
K0180.28012X	80	26	M12	26	39,5	26	40

T-grips



T-grip
with internal thread

T-grip
with external thread



Material:

Black duroplastic PF 31.

Bush and threaded bolt in galvanized steel.

Surface finish:

Deburred and high-polish finish.

Sample order:

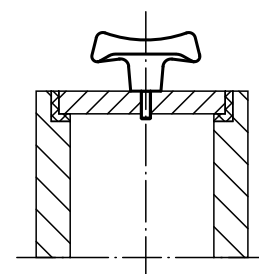
K0181.27006X18 (Please also indicate dimension L.)

Note:

The versions K0181.17008 and K0181.18008 have a bush in copper-plated steel.

On request:

Other external threads, screw lengths and colours.



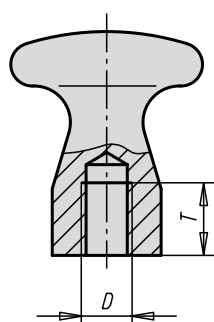
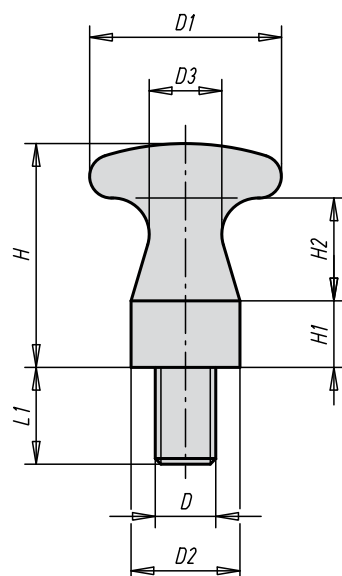
KIPP T-Grips, with internal thread

Order No.	A	B	D1	D3	H	H1	T1	Approx. weight kg
K0181.17006	70	22	M6	19,6	38,8	20,2	12	0,035
K0181.17008	70	22	M8	19,6	38,8	20,2	14	0,041
K0181.17010	70	22	M10	19,6	38,8	20,2	14	0,040
K0181.18008	80	25	M8	22,3	44	23	14	0,053
K0181.18010	80	25	M10	22,3	44	23	22	0,056
K0181.19010	90	28	M10	25	49,6	26	22	0,072
K0181.19012	90	28	M12	25	49,6	26	21	0,082

KIPP T-Grips, with external thread

Order No.	A	B	D2	D3	H	H1	L = screw length
K0181.27006X	70	22	M6	19,6	38,8	20,2	18
K0181.27008X	70	22	M8	19,6	38,8	20,2	24
K0181.28010X	80	25	M10	22,3	44	23	20/30
K0181.29010X	90	28	M10	25	49,6	26	30
K0181.29012X	90	28	M12	25	49,6	26	24

Flat knobs

Flat knob
with internal threadFlat knob
with external thread**Material:**
Steel.**Surface finish:**
Black oxide finish.**Sample order:**
K0157.08

KIPP Flat knobs with internal thread

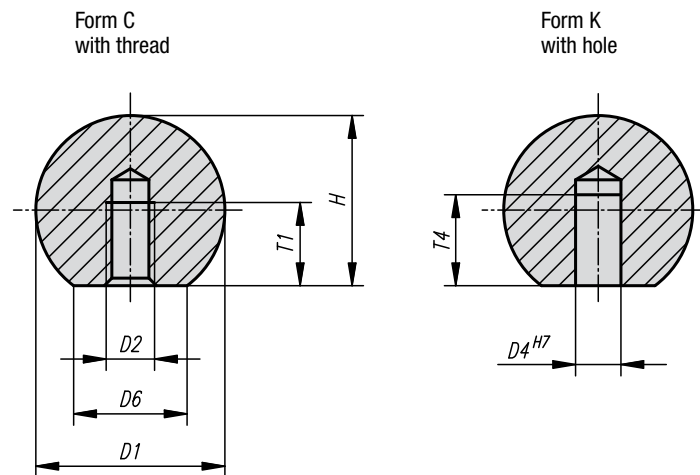
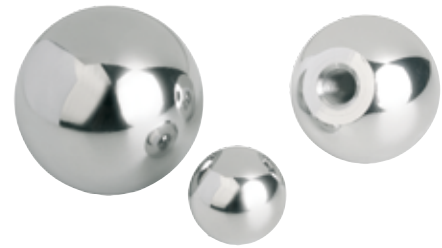
Order No.	D	D1	D2	D3	H	H1	H2	T
K0157.05	M5	16	10	6	18	5	9	7
K0157.06	M6	25	14	10	29	9	13	9
K0157.08	M8	32	18	12	37	11	17	12
K0157.10	M10	36	20	13	42	12	20	15

KIPP Flat knobs with external thread

Order No.	D	D1	D2	D3	H	H1	H2	L1
K0157.06010	M6	16	10	6	18	5	9	10
K0157.08014	M8	25	14	10	29	9	13	14
K0157.10016	M10	32	18	12	37	11	17	16
K0157.12018	M12	36	20	13	42	12	20	18

Ball knobs

stainless steel or aluminium DIN 319



Material:

Stainless steel 1.4305 or aluminium.

Surface finish:

Polished.

Sample order:

K0650.116043

KIPP Ball knobs in stainless steel DIN 319

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

KIPP Ball knobs in aluminium DIN 319

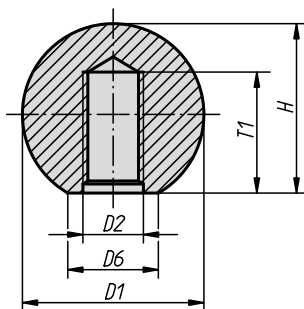
Order No. Form C	Order No. Form K	D1	D2	D4	~D6	~H	T1 min.	T4 min.
K0650.116042	K0650.316042	16	M4/-	-/6	8	15	7,2/-	-/10
K0650.120052	K0650.320052	20	M5/-	-/8	12	18	9,1/-	-/12
K0650.125062	K0650.325062	25	M6/-	-/10	15	22,5	11/-	-/16
K0650.132082	K0650.332082	32	M8/-	-/12	18	29	14,5/-	-/20
K0650.140102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

Ball knobs

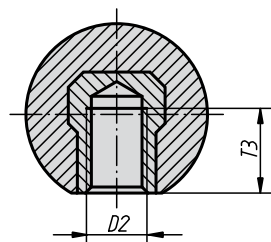
in thermoplastic to DIN 319 extended



Form C
with plastic thread



Form E
with threaded bush



Material, surface finish:
Black thermoplastic.
Bush in galvanized steel.

Sample order:
K0158.11604

On request:
Other colours.



KIPP Ball knobs in thermoplastic to DIN 319 extended

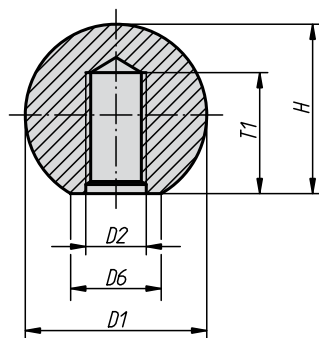
Order No.	Form	D1	D2	~D6	~H	T1 min.	T3 min.
K0158.11604	C	16	M4	8	15	7	-
K0158.11605	C	16	M5	8	15	7	-
K0158.12005	C	20	M5	12	18	9	-
K0158.12006	C	20	M6	12	18	9	-
K0158.12506	C	25	M6	15	22,5	11	-
K0158.12508	C	25	M8	15	22,5	11	-
K0158.13208	C	32	M8	18	29	14,5	-
K0158.13210	C	32	M10	18	29	14,5	-
K0158.22005	E	20	M5	12	18	-	7,5
K0158.22006	E	20	M6	12	18	-	7,5
K0158.22506	E	25	M6	15	22,5	-	9
K0158.22508	E	25	M8	15	22,5	-	9
K0158.23208	E	32	M8	18	29	-	12
K0158.23210	E	32	M10	18	29	-	12

Ball knobs

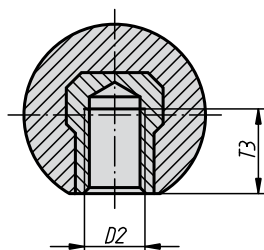
with smooth surface to DIN 319 extended



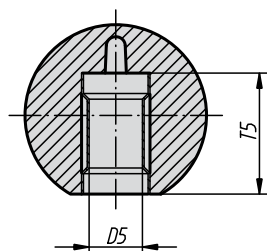
Form C
with pressed thread



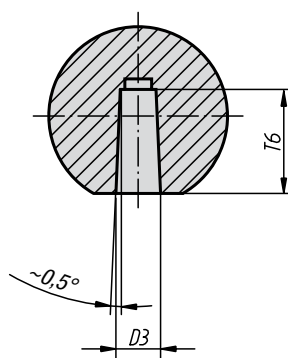
Form E
with threaded bush



Form L
with clamping sleeve



Form M
with conical borehole



Material:

Black duroplastic PF 31.
Bush in galvanized steel.

Surface finish:

Deburred and high-polish finish.

Sample order:

K0159.11604

Note:

Assembly Form L: The ball knobs are mounted firmly by tapping a hammer lightly. Please only use a rubber or plastic hammer, with a weight up to 200 g!

The version K0159.21604 has a bush in copper-plated steel.

The versions K0159.23008, K0159.23508 and K0159.24008 have a bush in brass.

On request:

* These versions are available from stock in dark red at extra charge.

Shank tolerance:

Ball knobs with clamping sleeves can be mounted on standard rods with tolerance h9. The clamping sleeve supplied assures a firm and reliable fit.

KIPP Ball knobs with smooth surface to DIN 319 extended, form C

Order No.	Form	D1	D2	~D6	~H	T1 min.
K0159.11604	C	16	M4	8	15	7
K0159.11605	C	16	M5	8	15	7,5
K0159.11606	C	16	M6	8	15	7,5
K0159.12005	C	20	M5	12	18	9
K0159.12006	C	20	M6	12	18	10,5
K0159.12506	C	25	M6	15	23	11
K0159.12508	C	25	M8	15	23	13,5
K0159.13008	C	30	M8	16	28	14
K0159.13208	C	32	M8	18	29	14,5
K0159.13210	C	32	M10	18	29	16
K0159.13508	C	36	M8	17	33	20
K0159.13510	C	36	M10	17	33	21
K0159.14008	C	40	M8	20	37,5	22
K0159.14010	C	40	M10	20	37,5	18
K0159.14012	C	40	M12	20	37,5	23
K0159.14510	C	45	M10	20	43	26
K0159.14512	C	45	M12	20	43	30
K0159.15010	C	50	M10	22	48	30
K0159.15012	C	50	M12	22	48	21

Ball knobs

with smooth surface to DIN 319 extended

KIPP Ball knobs with smooth surface to DIN 319 extended, form E

Order No.	Form	D1	D2	~D6	~H	T3 min.
K0159.21604	E	16	M4	8	15	6
K0159.22005	E	20	M5	12	18	7,5
K0159.22006	E	20	M6	12	18	8
K0159.22506	E	25	M6	15	23	9
K0159.22508	E	25	M8	15	23	13,5
K0159.23008	E	30	M8	16	28	14
K0159.23208	E	32	M8	18	29	12
K0159.23210	E	32	M10	18	29	16
K0159.23508	E	36	M8	17	33	14
K0159.23510	E	36	M10	17	33	14
K0159.24008	E	40	M8	20	37,5	14
K0159.24010	E	40	M10	20	37,5	15
K0159.24012	E	40	M12	20	37,5	21
K0159.24510	E	45	M10	20	43	22
K0159.24512	E	45	M12	20	43	21
K0159.25010	E	50	M10	22	48	22
K0159.25012	E	50	M12	22	48	18

KIPP Ball knobs with smooth surface to DIN 319 extended, form L

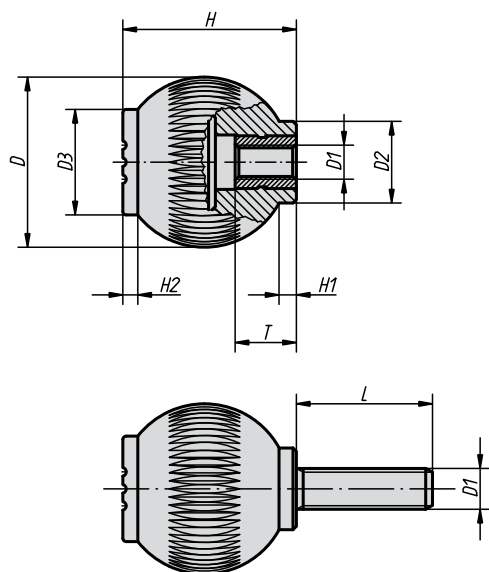
Order No.	Form	D1	D5	~D6	~H	T5
K0159.42005	L	20	5	12	18	13
K0159.42506	L	25	6	15	23	16
K0159.42508	L	25	8	15	23	15
K0159.43208	L	32	8	18	29	15
K0159.43210	L	32	10	18	29	20
K0159.44010	L	40	10	20	37,5	20
K0159.44012	L	40	12	20	37,5	23
K0159.45012	L	50	12	22	48	20

KIPP Ball knobs with smooth surface to DIN 319 extended, form M

Order No.	Form	D1	D3	~D6	~H	T6
K0159.31604	M	16	4	8	15	9
K0159.32005	M	20	5	12	18	12
K0159.32506	M	25	6	15	23	15
K0159.32508	M	25	8	15	23	15
K0159.33208	M	32	8	18	29	15
K0159.33210	M	32	10	18	29	15
K0159.34010	M	40	10	20	37,5	20
K0159.34012	M	40	12	20	37,5	20
K0159.35012	M	50	12	22	48	22

Grip balls

N^G



A perfect product with respect to ergonomics for „three-dimensional“ gripping:
The „third dimension“ benefits from „belt fluting“. Thanks to computer-assisted engineering-design the requirements of different industries can be met.

Material, surface finish:

Anthracite grey thermoplastic.
Bush and threaded bolt in steel 5.8, blue chromated or stainless steel, 1.4305 natural finish.

Sample order:

K0253.1066X15 (Grip cap colour traffic red; please also indicate dimension L.)

Note:

Δ Add the desired grip cap colour here; no colour code is required with anthracite grey grip caps.



KIPP Grip balls with internal thread

Order No. bush in steel	Order No. bush in stainless steel	Size	D	D1	D2	D3	H	H1	H2	T	Approx. weight kg
K0253.106Δ	K0253.0106Δ	1	25	M6	12	17	25	2,5	2,2	10	0,014
K0253.208Δ	K0253.0208Δ	2	32	M8	15,5	19	33	3,2	2,8	14	0,023
K0253.310Δ	K0253.0310Δ	3	40	M10	19	23	41,5	4	3,5	14	0,042
K0253.410Δ	K0253.0410Δ	4	50	M10	24	31	51	5	4,4	14	0,070
K0253.412Δ	K0253.0412Δ	4	50	M12	24	31	51	5	4,4	18	0,072

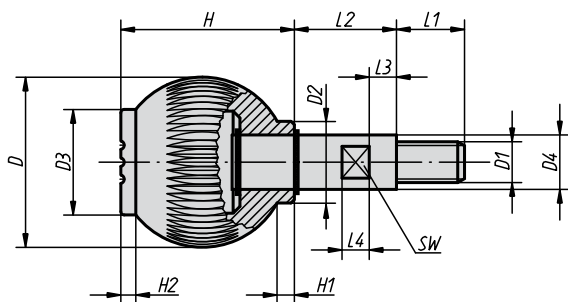
KIPP Grip balls with external thread

Order No. bolts steel	Order No. bolts stainless steel	Size	D	D1	D2	D3	H	H1	H2	L = screw length
K0253.106ΔX	K0253.0106ΔX	1	25	M6	12	17	25	2,5	2,2	15/20/25/30
K0253.208ΔX	K0253.0208ΔX	2	32	M8	15,5	19	33	3,2	2,8	20/25/30/40
K0253.310ΔX	K0253.0310ΔX	3	40	M10	19	23	41,5	4	3,5	20/30/40
K0253.410ΔX	K0253.0410ΔX	4	50	M10	24	31	51	5	4,4	20/30/40
K0253.412ΔX	K0253.0412ΔX	4	50	M12	24	31	51	5	4,4	20/30/40

Grip balls

revolving

N^G



A perfect product with respect to ergonomics for „three-dimensional“ gripping. The „third dimension“ benefits from „belt fluting“. Thanks to computer-assisted engineering-design the requirements of different industries can be met.

Material, surface finish:

Anthracite grey thermoplastic.
Shaft in steel 5.8, blue chromated or stainless steel 1.4305, natural finish.
Circlips are galvanized (including stainless steel versions).

Sample order:

K0254.1066 (Grip cap colour traffic red.)

Note:

Δ Add the desired grip cap colour here; no colour code is required with anthracite grey grip caps.

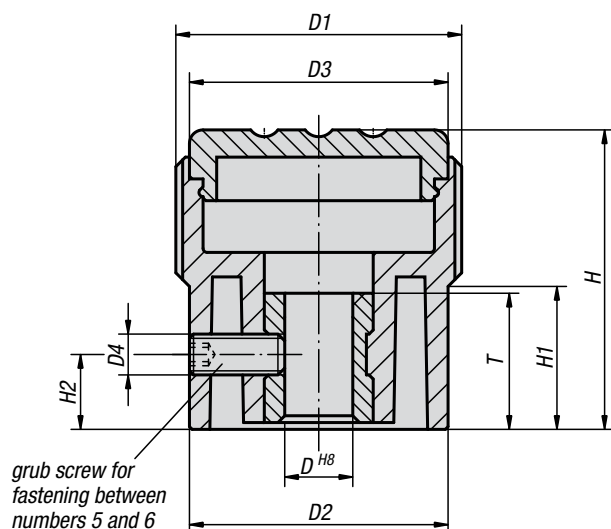


KIPP Grip balls revolving

Order No. shaft steel	Order No. shaft stainless steel	Size	D	D1	D2	D3	D4	H	H1	H2	L1	L2	L3	L4	SW	Approx. weight kg
K0254.106Δ	K0254.0106Δ	1	25	M6	12	17	8	25	2,5	2,2	10	15	5	5	7	0,020
K0254.208Δ	K0254.0208Δ	2	32	M8	15,5	19	10	33	3,2	2,8	12	20	6	6	8	0,042
K0254.310Δ	K0254.0310Δ	3	40	M10	19	23	13	41,5	4	3,5	15	25	7	9	10	0,085
K0254.412Δ	K0254.0412Δ	4	50	M12	24	31	16	51	5	4,4	20	30	8	8	13	0,157

Graduated knobs

N^G



Novo-Grip graduated knobs provide a precise and repeatable approach to the corresponding position. The perfectly incorporated scale marks ensure optimum readability while the integrated grub screw makes possible permanent and unproblematic fastening to the shaft.

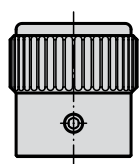
Material, surface finish:
Anthracite grey thermoplastic.
Steel parts blue chromated.

Sample order:
K0248.11055 (knob cap colour light grey)

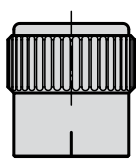
Note:
Available without scale marks, with one graduation mark or with 20 scale marks and 10 digits.

Δ Add the desired knob cap colour here; no colour code is required with anthracite grey knob caps.

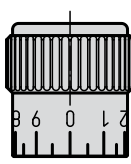
On request:
Special scale marks.



Form A
without
scale marks



Form B
with graduation
mark



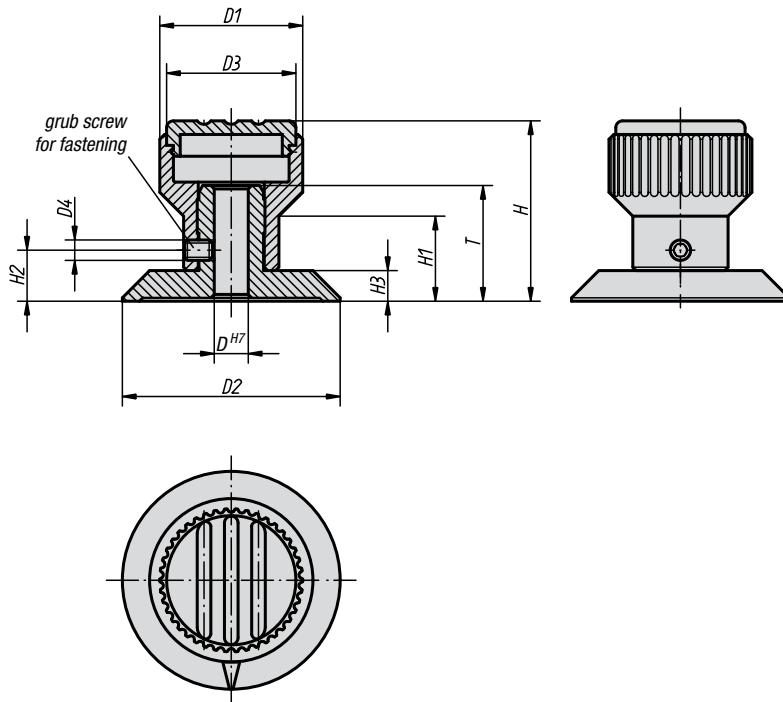
Form C
with standard
scale marks



KIPP Graduated knobs

Order No.	Form	Size	D	D1	D2	D3	D4	H	H1	H2	T	Approx. weight kg
K0248.1105Δ	A	1	5	21	19	19	M3	22	10,5	5	10	0,011
K0248.1206Δ	A	2	6	26	23	23	M3	26	12	6	10	0,023
K0248.1308Δ	A	3	8	34	31	31	M4	36	17,5	7	14	0,032
K0248.2105Δ	B	1	5	21	19	19	M3	22	10,5	5	10	0,011
K0248.2206Δ	B	2	6	26	23	23	M3	26	12	6	10	0,023
K0248.2308Δ	B	3	8	34	31	31	M4	36	17,5	7	14	0,032
K0248.3105Δ	C	1	5	21	19	19	M3	22	10,5	5	10	0,011
K0248.3206Δ	C	2	6	26	23	23	M3	26	12	6	10	0,023
K0248.3308Δ	C	3	8	34	31	31	M4	36	17,5	7	14	0,032

Adjusting knobs

N^G

Switching positions in various fields and applications can be set easily and clearly with the Novo-Grip adjusting knob. The engraved, silver-coloured arrow mark focuses your concentration on the essential point: the correct switch position.

Material, surface finish:

Knurled knob in anthracite grey thermoplastic.
Disc in black anodized aluminium.

Sample order:

K0249.1055 (knob cap colour light grey)

Note:

Arrow mark engraved after anodizing, the grub screw secures both the hub and the disc. Hub hole H7 guarantees a good, tight fit on the shaft.

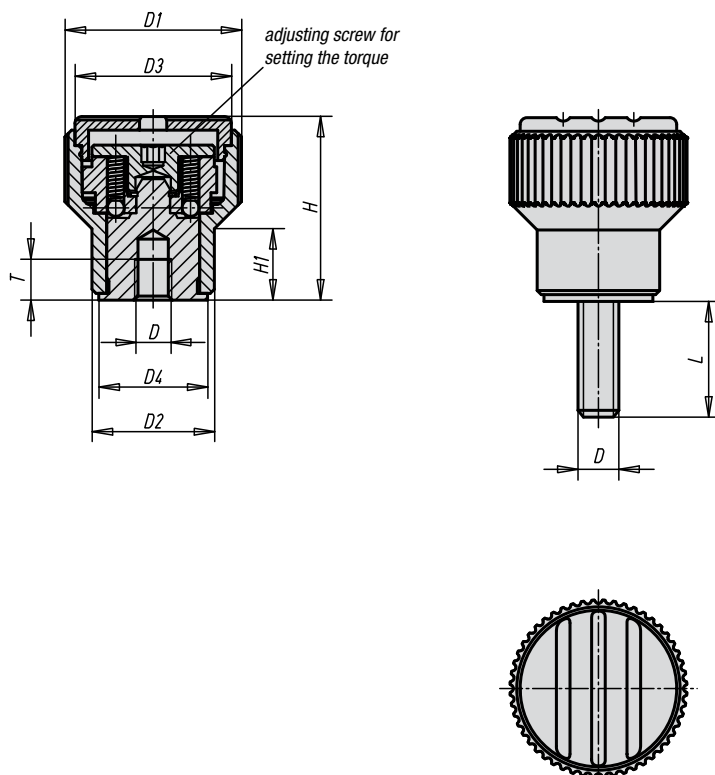
Δ Add the desired knob cap colour here; no colour code is required with anthracite grey knob caps.

anthracite grey	light grey Δ = 5	traffic red Δ = 6	bright yellow Δ = 7
			
RAL 7021	RAL 7035	RAL 3020	RAL 1021

KIPP Adjusting knobs

Order No.	Size	D	D1	D2	D3	D4	H	H1	H2	H3	T	Approx. weight kg
K0249.105Δ	1	5	21	32	19	M3	26,5	12,5	7,5	4,5	17	0,010
K0249.206Δ	2	6	26	40	23	M4	31,5	15	9,5	5,5	20,5	0,021
K0249.308Δ	3	8	34	52	31	M4	43	20	12	7	22	0,026

Torque knurled knobs



Material, surface finish:

Anthracite grey thermoplastic.

Threaded bolt and bush in steel 5.8, bush black oxide finish.

Threaded bolt blue chromated.

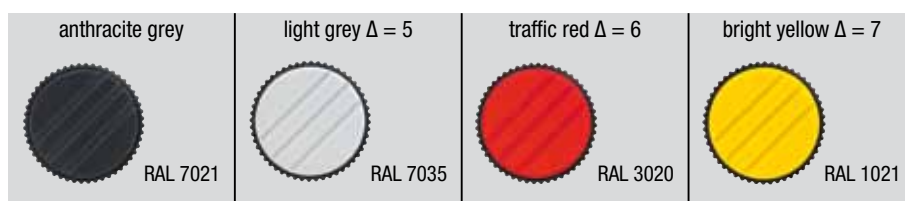
Sample order:

K0277.2056X30 (Knob cap colour traffic red; please also indicate dimension L.)

Note:

The adjusting screw sets the torque required. When the set torque is reached the knurled knob spins freely.

Δ Add the desired knob cap colour here; no colour code is required with anthracite grey knob caps.



KIPP Torque knurled knobs with internal thread

Order No.	Surface finish	Size	D	D1	D2	D3	D4	H	H1	T	Adjustable torque approx. Nm min. - max.	Approx. weight kg
K0277.205Δ	bush in steel	2	M5	26	18	23	16	27	10,5	5	0,1 - 0,3	0,047
K0277.206Δ	bush in steel	2	M6	26	18	23	16	27	10,5	6	0,1 - 0,3	0,042
K0277.306Δ	bush in steel	3	M6	34	22	31	20	37,5	14,5	10	0,1 - 0,3	0,082
K0277.308Δ	bush in steel	3	M8	34	22	31	20	37,5	14,5	14	0,1 - 0,3	0,077

KIPP Torque knurled knobs with external thread

Order No.	Surface finish	Size	D	D1	D2	D3	D4	H	H1	Adjustable torque approx. Nm min. - max.	L = screw length
K0277.205ΔX	bolt in steel	2	M5	26	18	23	16	27	10,5	0,1 - 0,3	30/50
K0277.206ΔX	bolt in steel	2	M6	26	18	23	16	27	10,5	0,1 - 0,3	30/50
K0277.306ΔX	bolt in steel	3	M6	34	22	31	20	37,5	14,5	0,1 - 0,3	40/60
K0277.308ΔX	bolt in steel	3	M8	34	22	31	20	37,5	14,5	0,1 - 0,3	40/60

Locking bars


Material, surface finish:

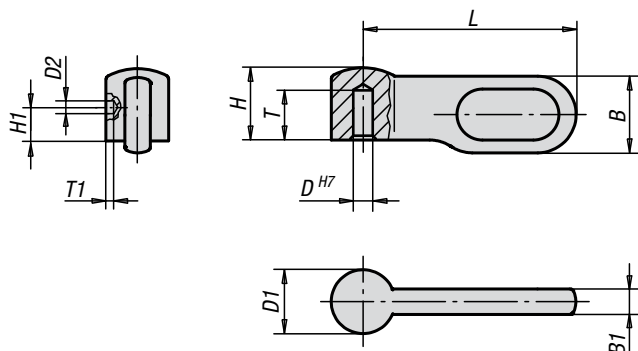
Stainless steel 1.4308, natural finish or steel, black oxide finish.

Sample order:

K0178.1040

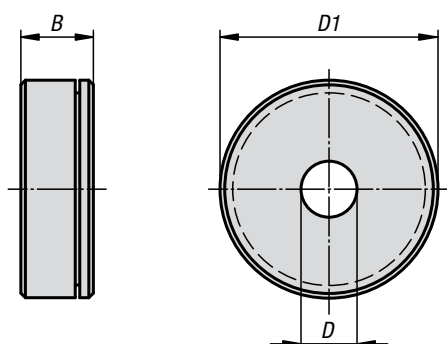
Note:

The locking bar can be used individually. Its styled design with the easy recessed grip gives the fingers purchase and meets the demands of modern requirements. Large clamping forces can be easily transferred. Different types of attachment can be selected due to the lateral centring.


KIPP Locking bars

Order No.	Surface finish	Size	B	B1	D	D1	D2	H	H1	L	T	T1
K0178.1040	stainless steel	1	9	3	4	7,5	1,5	8,5	3	25	5,5	0,5
K0178.2050	stainless steel	2	10,8	3,6	5	9	2	10,2	4	30	6,5	1
K0178.3060	stainless steel	3	14,4	4,8	6	12	2	13,6	5	40	8,7	1
K0178.4080	stainless steel	4	18	6	8	15	3	17	6	50	10,2	1
K0178.1041	steel	1	9	3	4	7,5	1,5	8,5	3	25	5,5	0,5
K0178.2051	steel	2	10,8	3,6	5	9	2	10,2	4	30	6,5	1
K0178.3061	steel	3	14,4	4,8	6	12	2	13,6	5	40	8,7	1
K0178.4081	steel	4	18	6	8	15	3	17	6	50	10,2	1

Axial bearing for increasing tension force



Material:

Bearing housing in steel.

Surface finish:

Black oxide finish.

Sample order:

K0584.06

Note:

The axial bearing is generally used for connection to tensioning or clamping elements. Due to the integrated bearing unit consisting of an axial needle roller and two axial bearing discs, approximately twice the clamping force can be achieved with the same lever length.

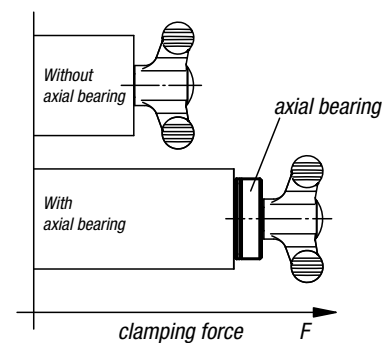
Advantages:

The component is protected by the stationary support surface. The higher initial tension causes lower tendency to set in the thread.

Clamp levers, wing and star grips, knurled knobs or hexagonal and socket head screws, for example, can be used as tensioning or clamping elements.



For constant torque



KIPP Axial bearing for increasing tension force

Order No.	B	D	D1	Approx. weight g
K0584.06	8	6	24	21,6
K0584.08	8	8	25	22,1
K0584.10	8	10	30	33,5
K0584.12	8	12	35	46,1



A large rectangular area filled with a light gray grid pattern, intended for taking notes.

