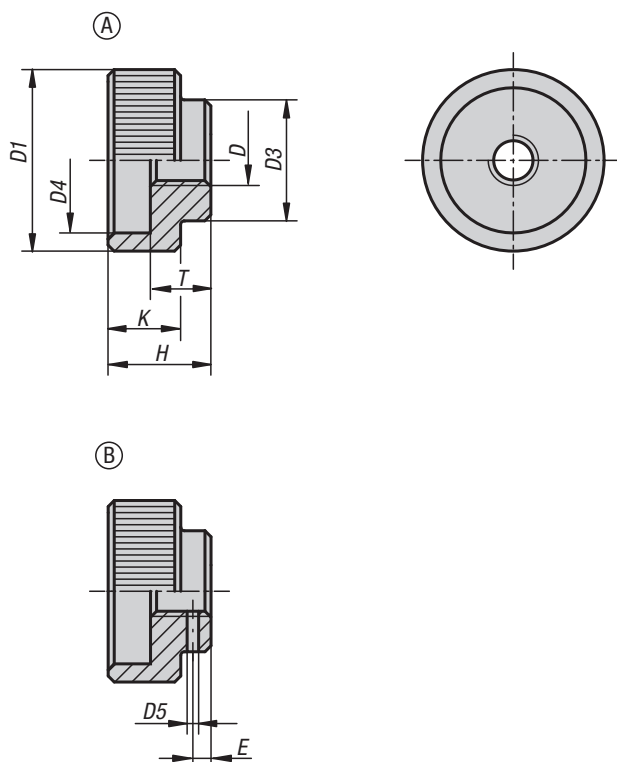


Grips, knobs



Knurled nuts

steel and stainless steel, DIN 6303


Material:

Steel 1.0718.

Stainless steel 1.4305.

Version:

Steel, black oxidised.

Stainless steel, bright.

Sample order:

K0137.108

Note:

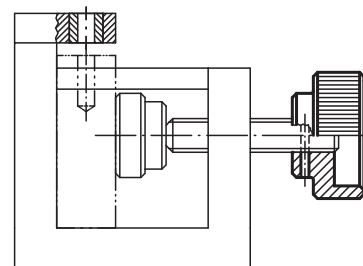
Due to the better haptics, a larger pitch was chosen contrary to DIN.

Drawing reference:

Form A: without pin hole

Form B: with pin hole

- Drill through and ream pin hole during assembly.



KIPP Knurled nuts, steel and stainless steel, DIN 6303

| Order No. | Form | Main material | D | D1 | D3 | D4 | D5 predrilled | E | H | K | T | suitable dowel pin ISO 2338 |
|------------|------|-----------------|-----|----|----|----|------------------|-----|----|----|----|-----------------------------------|
| K0137.105 | A | steel | M5 | 20 | 14 | 15 | - | - | 12 | 8 | 7 | - |
| K0137.106 | A | steel | M6 | 24 | 16 | 18 | - | - | 14 | 10 | 8 | - |
| K0137.108 | A | steel | M8 | 30 | 20 | 24 | - | - | 17 | 12 | 10 | - |
| K0137.110 | A | steel | M10 | 36 | 28 | 30 | - | - | 20 | 14 | 12 | - |
| K0137.112 | A | steel | M12 | 40 | 32 | 34 | - | - | 24 | 16 | 14 | - |
| K0137.1052 | A | stainless steel | M5 | 20 | 14 | 15 | - | - | 12 | 8 | 7 | - |
| K0137.1062 | A | stainless steel | M6 | 24 | 16 | 18 | - | - | 14 | 10 | 8 | - |
| K0137.1082 | A | stainless steel | M8 | 30 | 20 | 24 | - | - | 17 | 12 | 10 | - |
| K0137.1102 | A | stainless steel | M10 | 36 | 28 | 30 | - | - | 20 | 14 | 12 | - |
| K0137.1122 | A | stainless steel | M12 | 40 | 32 | 34 | - | - | 24 | 16 | 14 | - |
| K0137.205 | B | steel | M5 | 20 | 14 | 15 | 1,4 | 2,5 | 12 | 8 | 7 | 1,5 |
| K0137.206 | B | steel | M6 | 24 | 16 | 18 | 1,4 | 2,5 | 14 | 10 | 8 | 1,5 |
| K0137.208 | B | steel | M8 | 30 | 20 | 24 | 1,9 | 3 | 17 | 12 | 10 | 2 |
| K0137.210 | B | steel | M10 | 36 | 28 | 30 | 2,9 | 4 | 20 | 14 | 12 | 3 |
| K0137.212 | B | steel | M12 | 40 | 32 | 34 | 3,9 | 4 | 24 | 16 | 14 | 4 |

Knurled nuts

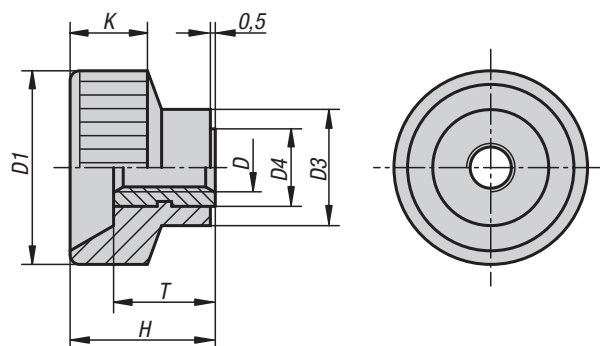
plastic



Material:
Black thermoset PF 31.
Tapped bush brass.

Version:
Tapped bush nickel-plated.

Sample order:
K0138.08



KIPP Knurled nuts plastic

| Order No. | D | D1 | D3 | D4 | H | K | T |
|-----------|-----|----|----|----|----|----|----|
| K0138.04 | M4 | 18 | 10 | 7 | 13 | 8 | 9 |
| K0138.05 | M5 | 20 | 12 | 8 | 14 | 8 | 10 |
| K0138.06 | M6 | 24 | 13 | 9 | 16 | 9 | 10 |
| K0138.08 | M8 | 30 | 15 | 11 | 18 | 11 | 11 |
| K0138.10 | M10 | 35 | 18 | 14 | 19 | 12 | 11 |

K0141

Knurled screws

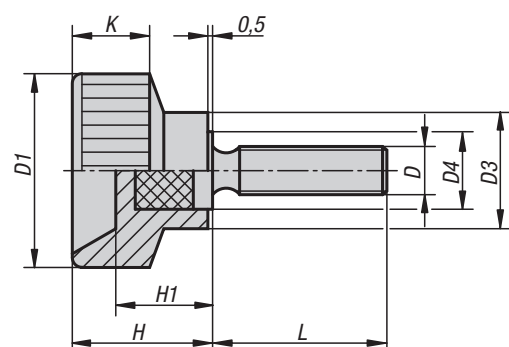
plastic



Material:
Black thermoset PF 31.
Screw steel.

Version:
Screw electro zinc-plated.

Sample order:
K0141.05X25 (include length L)



KIPP Knurled screws, plastic

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

Knurled nuts quick-acting

**Material:**

Carbon steel.

Version:

Tempered and black oxidised.

Sample order:

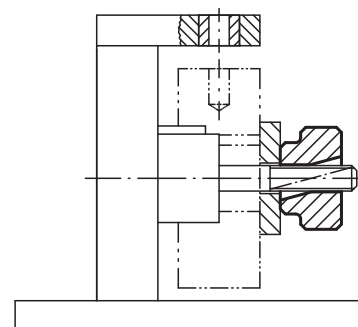
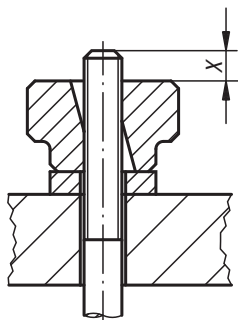
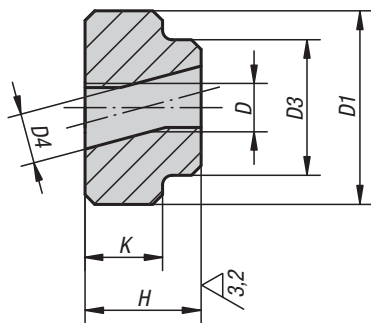
K0139.08

Note:

Quick-acting knurled nuts are mainly used in applications where no high clamping pressures are required. Tilt the nut to slide on, then straighten it to engage the threads.

Drawing reference:

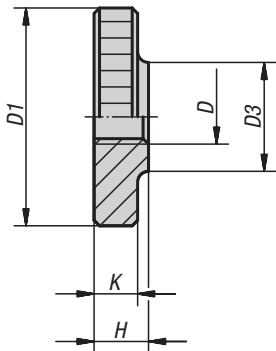
X: The stud should be several mm longer than height "H"

**KIPP Knurled nuts quick-acting**

| Order No. | D | D1 | D3 | D4 | H | K |
|-----------|-----|----|----|------|----|----|
| K0139.05 | M5 | 20 | 14 | 5,2 | 12 | 8 |
| K0139.06 | M6 | 24 | 16 | 6,2 | 14 | 10 |
| K0139.08 | M8 | 30 | 20 | 8,2 | 17 | 12 |
| K0139.10 | M10 | 36 | 28 | 10,3 | 20 | 14 |
| K0139.12 | M12 | 40 | 32 | 12,3 | 24 | 16 |

Knurled nuts flat

steel and stainless steel, DIN 467



Material:
Steel 1.0718.
Stainless steel 1.4305.

Version:
Steel black oxidised.
Stainless steel bright.

Sample order:
K0144.042

Note:
M12 flat knurled nuts are not included in the official standards sheet.

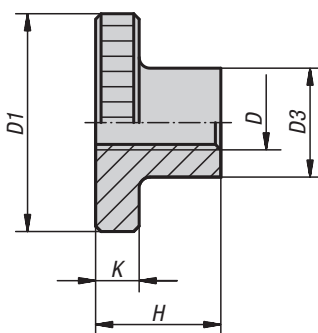
KIPP Knurled nuts flat, steel and stainless steel, DIN 467

| Order No. stainless steel | Order No. steel | D | D1 | D3 | H | K |
|------------------------------|--------------------|-----|----|----|----|-----|
| K0144.042 | K0144.04 | M4 | 16 | 8 | 4 | 3,5 |
| K0144.052 | K0144.05 | M5 | 20 | 10 | 5 | 4 |
| K0144.062 | K0144.06 | M6 | 24 | 12 | 6 | 5 |
| K0144.082 | K0144.08 | M8 | 30 | 16 | 8 | 6 |
| K0144.122 | K0144.12 | M12 | 36 | 20 | 10 | 8 |
| K0144.102 | K0144.10 | M10 | 36 | 20 | 10 | 8 |

K0143

Knurled nuts high form

steel and stainless steel, DIN 466



Material:
Steel 1.0718.
Stainless steel 1.4305.

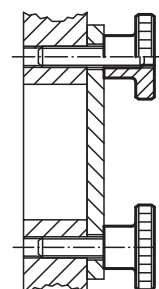
Version:
Steel black oxidised.
Stainless steel bright.

Sample order:
K0143.04

Note:
M12 high knurled nuts are not included in the official standards sheet.

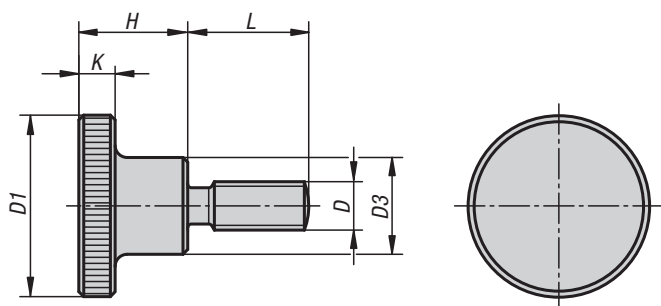
KIPP Knurled nuts high form steel and stainless steel, DIN 466

| Order No. stainless steel | Order No. steel | D | D1 | D3 | H | K |
|------------------------------|--------------------|-----|----|----|------|-----|
| K0143.042 | K0143.04 | M4 | 16 | 8 | 9,5 | 3,5 |
| K0143.052 | K0143.05 | M5 | 20 | 10 | 11,5 | 4 |
| K0143.062 | K0143.06 | M6 | 24 | 12 | 15 | 5 |
| K0143.082 | K0143.08 | M8 | 30 | 16 | 18 | 6 |
| K0143.122 | K0143.12 | M12 | 36 | 20 | 23 | 8 |
| K0143.102 | K0143.10 | M10 | 36 | 20 | 23 | 8 |



Knurled screws high form

steel and stainless steel, DIN 464



Material:

Steel 1.0718.

Stainless steel 1.4305.

Version:

Steel, black oxidised.

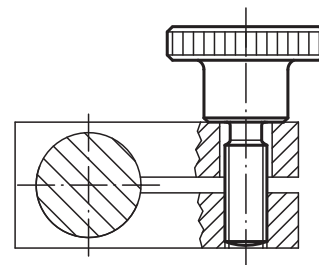
Stainless steel, bright.

Sample order:

K0140.06X20 (include length L)

Note:

* Threads with these lengths have no undercut at the shoulder.

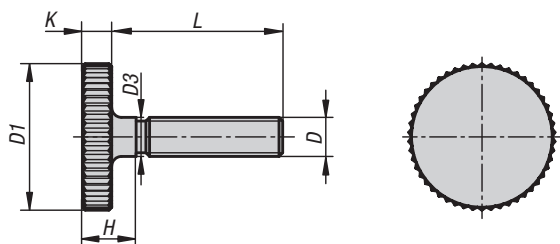


KIPP Knurled screws high, steel and stainless steel, DIN 464

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

Knurled screws low head

steel and stainless steel, DIN 653



KIPP Knurled screws low head, steel and stainless steel, DIN 653

| Order No. | Main material | D | D1 | D3 | H | K | L |
|------------|-----------------|-----|----|----|-----|-----|----------------------|
| K1163.03X | steel | M3 | 12 | 3 | 4,5 | 2,5 | 10/12/16 |
| K1163.04X | steel | M4 | 16 | 4 | 6,5 | 3,5 | 8/10/12/16/20 |
| K1163.05X | steel | M5 | 20 | 5 | 7 | 4 | 10/12/16/20/25/30 |
| K1163.06X | steel | M6 | 24 | 6 | 9 | 5 | 12/16/20/25/30/35/40 |
| K1163.08X | steel | M8 | 30 | 8 | 11 | 6 | 16/20/25/30/35/40 |
| K1163.10X | steel | M10 | 36 | 10 | 14 | 8 | 20/25/30/35/40 |
| K1163.032X | stainless steel | M3 | 12 | 3 | 4,5 | 2,5 | 10/12/16 |
| K1163.042X | stainless steel | M4 | 16 | 4 | 6,5 | 3,5 | 8/10/12/16/20 |
| K1163.052X | stainless steel | M5 | 20 | 5 | 7 | 4 | 10/12/16/20/25/30 |
| K1163.062X | stainless steel | M6 | 24 | 6 | 9 | 5 | 12/16/20/25/30/35/40 |
| K1163.082X | stainless steel | M8 | 30 | 8 | 11 | 6 | 16/20/25/30 |
| K1163.102X | stainless steel | M10 | 36 | 10 | 14 | 8 | 20/25/30/40 |

Material:

Steel or stainless steel (A 1).

Version:

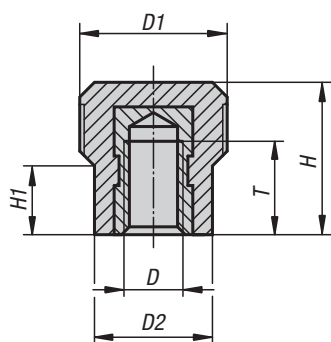
Steel grade 5.8, bright;
Stainless steel, bright.

Sample order:

K1163.062X20 (include length L)

K0142

Knurled knobs



Material:

Thermoset PF 31, black.
Bush brass.

Version:

Tapped bush, bright

Sample order:

K0142.11203

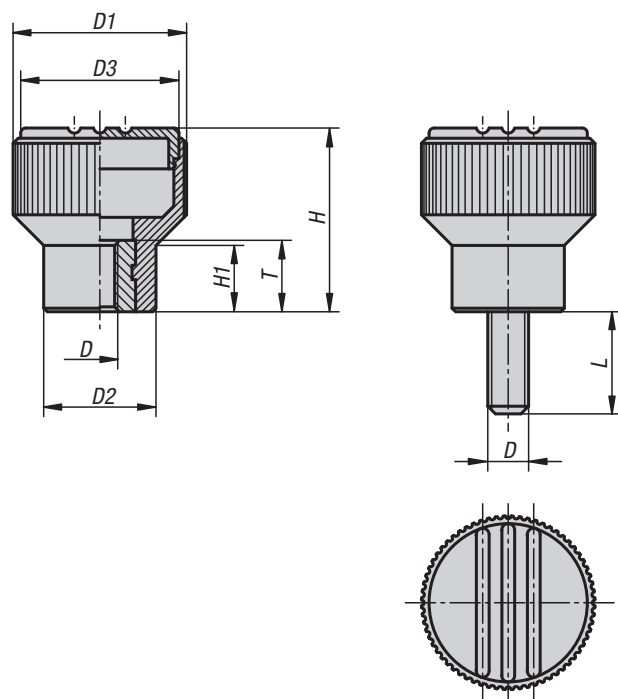
On request:

Other colours.

KIPP Knurled knobs

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

Knurled knobs



These handy knurled knobs are amazing: optimal ergonomics, raised edge serrations and an optimized design continually open new markets and increase the aesthetic and safety related profile of every product.

Material:

Black thermoplastic.
Bush and screw 5.8 steel or 1.4305 stainless steel.

Version:

Steel trivalent blue passivated, stainless steel bright.





Sample order:

K0247.01056X20
(Cap colour traffic red. Include length L)

Note:

Δ Add the desired cap colour here.

No colour code is required for black grey caps.

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

KIPP Knurled knobs with external thread

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

Knurled knobs biopolymer

**Material:**

Biopolymer, beech.
Bush or threaded pin steel 5.8

Version:

Steel blue passivated.
Natural beech with beech fibres or coloured black grey.

Sample order:

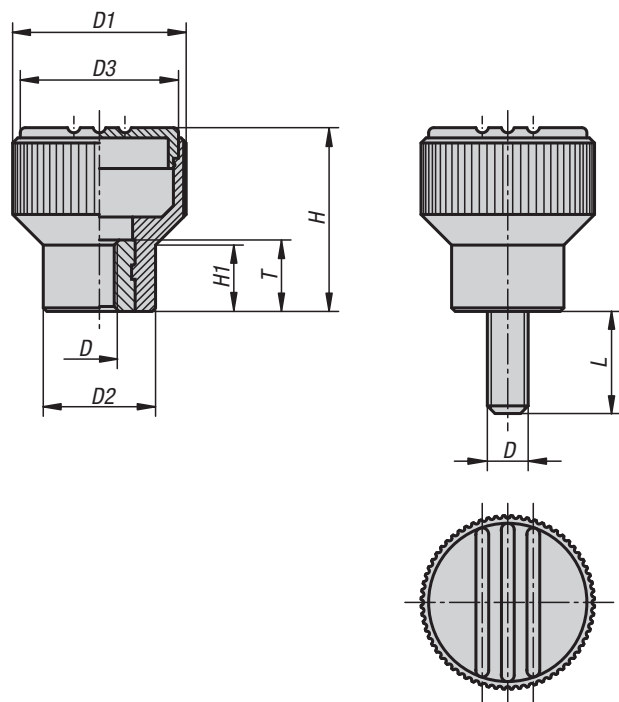
K0247.1010490

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).
Conservation of finite fossil resources.
The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

Excellent mechanical stability (certified with a minimum of 2x safety factor).
Biopolymer is suitable for recycling (comparable to thermoplastics).
Suitable for outdoor use (not biodegradable).
Excellent resistance to strong acids and lyes.
Short-term resistance to alcohol, fuel, mineral oil and grease.

**KIPP Knurled knobs biopolymer internal thread**

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | T |
|----------------|---------------------|----|----|----|----|----|----|----|
| K0247.10104143 | natural beech | M4 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.10105143 | natural beech | M5 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.10106143 | natural beech | M6 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.1010490 | black grey RAL 7021 | M4 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.1010590 | black grey RAL 7021 | M5 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.1010690 | black grey RAL 7021 | M6 | 21 | 14 | 19 | 22 | 8 | 10 |

KIPP Knurled knobs biopolymer external thread

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | L |
|-------------------|---------------------|----|----|----|----|----|----|----|
| K0247.10105143X10 | natural beech | M5 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.10106143X15 | natural beech | M6 | 21 | 14 | 19 | 22 | 8 | 15 |
| K0247.1010590X10 | black grey RAL 7021 | M5 | 21 | 14 | 19 | 22 | 8 | 10 |
| K0247.1010690X15 | black grey RAL 7021 | M6 | 21 | 14 | 19 | 22 | 8 | 15 |

Knurled knobs antistatic

**Material:**

Thermoplastic, graphite black.
Bush or screw steel 5.8.

Version:

Screw blue passivated.

Sample order:

K0247.1110624

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity. Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1. The yellow ESD logo is printed on the side of the product to clearly identify it.

Safety:

These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion. Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

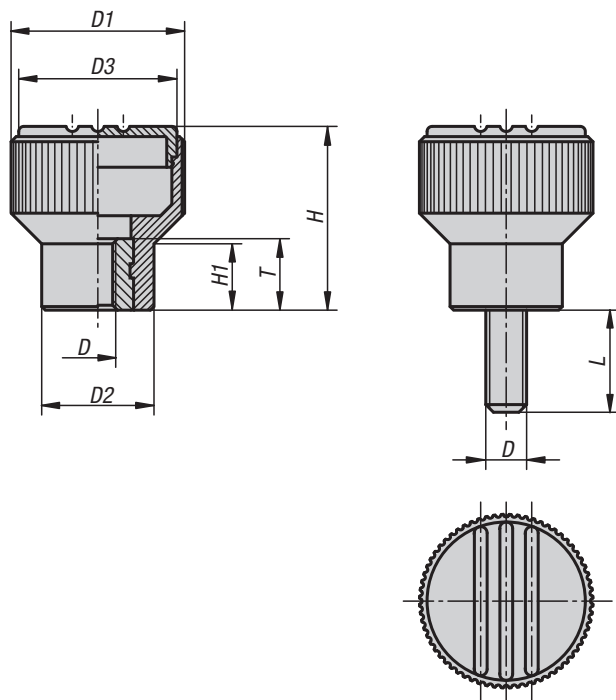
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.

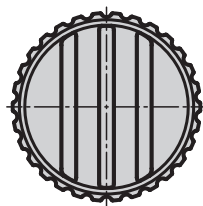
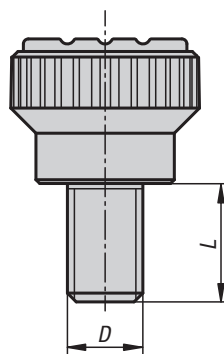
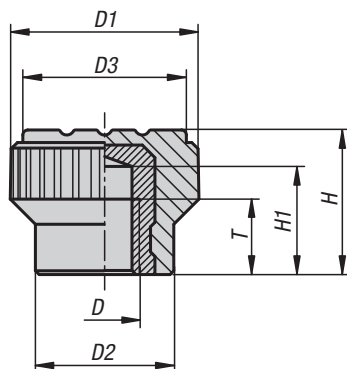
**KIPP Knurled knobs antistatic with internal thread**

| Order No. | D | D1 | D2 | D3 | H | H1 | T |
|---------------|----|----|----|----|----|----|----|
| K0247.1110624 | M6 | 21 | 14 | 19 | 22 | 8 | 10 |

KIPP Knurled knobs antistatic with external thread

| Order No. | D | D1 | D2 | D3 | H | H1 | L |
|------------------|----|----|----|----|----|----|----|
| K0247.1110624X15 | M6 | 21 | 14 | 19 | 22 | 8 | 15 |

Knurled knobs

**Material:**

Grip black grey thermoplastic.

Bush brass or stainless steel 1.4305.

Screw steel 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.

Stainless steel, bright.

Sample order:

K0110.005X12 (include length L)

On request:

Other colours.

KIPP Knurled knobs with internal thread

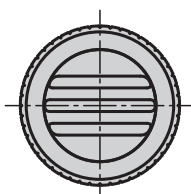
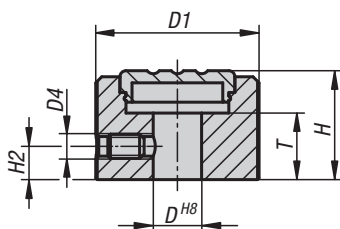
| Order No. | Component material | D | D1 | D2 | D3 | H | H1 | T |
|------------|--------------------|----|----|----|----|------|-----|-----|
| K0110.003 | brass | M3 | 15 | 11 | 13 | 11,5 | 8,6 | 4,5 |
| K0110.004 | brass | M4 | 15 | 11 | 13 | 11,5 | 8,6 | 6 |
| K0110.005 | brass | M5 | 15 | 11 | 13 | 11,5 | 8,6 | 6 |
| K0110.0003 | stainless steel | M3 | 15 | 11 | 13 | 11,5 | 8,6 | 4,5 |
| K0110.0004 | stainless steel | M4 | 15 | 11 | 13 | 11,5 | 8,6 | 6 |
| K0110.0005 | stainless steel | M5 | 15 | 11 | 13 | 11,5 | 8,6 | 6 |

KIPP Knurled knobs with external thread

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

Knurled knobs

aluminium



Material:

Body aluminium.

Cap thermoplastic PA6.

Grub screw stainless steel.

Version:

Body black anodised.

Cap light grey RAL 7035.

Grub screw bright.

Sample order:

K1099.27085

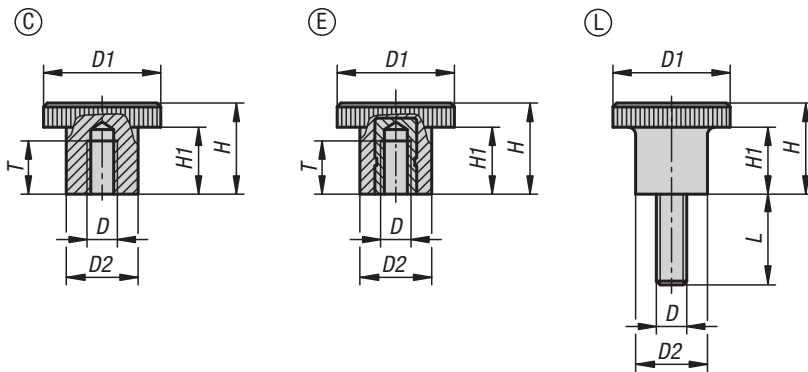
On request:

Other female threads, colours and special versions.

KIPP Knurled knobs aluminium

| Order No. | D | D1 | D4 | H | H2 | T |
|-------------|----|----|----|------|-----|----|
| K1099.27085 | 8 | 27 | M4 | 18 | 5,5 | 11 |
| K1099.27105 | 10 | 27 | M4 | 18 | 5,5 | 11 |
| K1099.34105 | 10 | 34 | M5 | 21 | 7 | 11 |
| K1099.34125 | 12 | 34 | M5 | 21 | 7 | 11 |
| K1099.42125 | 12 | 42 | M5 | 24,5 | 8,5 | 15 |
| K1099.42145 | 14 | 42 | M5 | 24,5 | 8,5 | 15 |

Knurled knobs

**Material:**

Thermoset PF 31, black.

Screw, steel.

Tapped bush, steel or brass.

Version:

Screw, electro zinc-plated.

Tapped bush, electro zinc-plated or bright brass.

Sample order:

K1223.302205X10

Drawing reference:

Form C: tapped blind hole

Form E: tapped bush

Form L: external thread

KIPP Knurled knobs with internal thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | T |
|--------------|------|--------------------|----|----|----|----|----|-----|
| K1223.102206 | C | plastic | M6 | 22 | 12 | 13 | 6 | 7,5 |
| K1223.102606 | C | plastic | M6 | 26 | 17 | 20 | 14 | 9 |
| K1223.212205 | E | brass | M5 | 22 | 12 | 13 | 6 | 6 |
| K1223.202606 | E | steel | M6 | 26 | 17 | 20 | 14 | 10 |
| K1223.202608 | E | steel | M8 | 26 | 17 | 20 | 14 | 12 |

KIPP Knurled knobs with external thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | L |
|---------------|------|--------------------|----|----|----|----|----|-------------|
| K1223.302205X | L | steel | M5 | 22 | 12 | 13 | 6 | 10/15/20 |
| K1223.302206X | L | steel | M6 | 22 | 12 | 13 | 6 | 10/15/20/30 |
| K1223.302606X | L | steel | M6 | 26 | 15 | 13 | 6 | 10/15/20/30 |
| K1223.302608X | L | steel | M8 | 26 | 15 | 13 | 6 | 15/20/30 |

Knurled knobs

for hex head screws



Material:

Thermoplastic.

Version:

Black or orange.

Sample order:

K1138.00040 (knurled knob colour black)

Colour code:

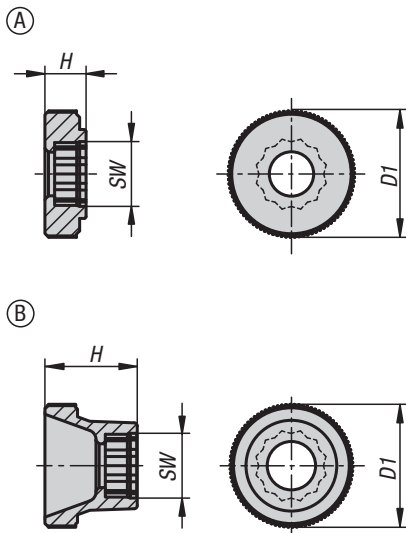
0=black

1=orange

Note:

Suitable screws ISO 4014.

Δ add the desired colour code here



KIPP Knurled knobs for screws with external hex

| Order No. | Form | for screws | D1 | H | SW |
|-------------|------|------------|----|------|----|
| K1138.0Δ040 | A | M4 | 17 | 5,5 | 7 |
| K1138.0Δ050 | A | M5 | 20 | 6,5 | 8 |
| K1138.0Δ060 | A | M6 | 25 | 8 | 10 |
| K1138.0Δ080 | A | M8 | 36 | 10 | 13 |
| K1138.0Δ100 | A | M10 | 36 | 10 | 17 |
| K1138.1Δ040 | B | M4 | 17 | 11,5 | 7 |
| K1138.1Δ050 | B | M5 | 20 | 15 | 8 |
| K1138.1Δ060 | B | M6 | 25 | 18 | 10 |
| K1138.1Δ080 | B | M8 | 36 | 23 | 13 |
| K1138.1Δ100 | B | M10 | 36 | 23 | 17 |

Knurled heads

for hexagon socket screws


Material:

Thermoplastic.

Version:

Black, grey or red.

Sample order:

K0680.0506 (knurled head colour red)

Colour code:

5 = grey

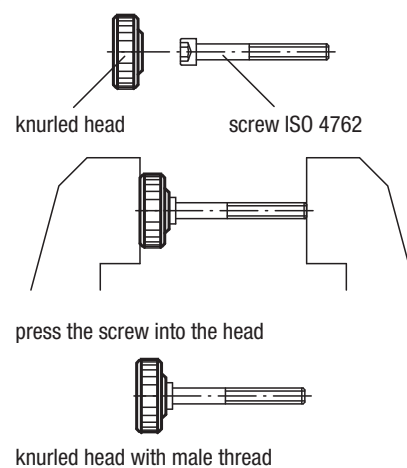
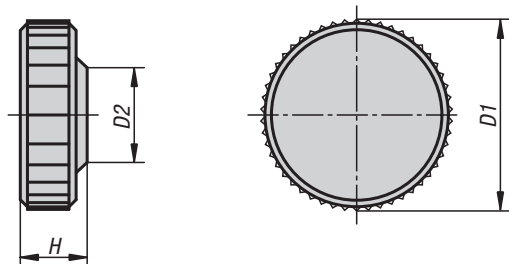
6 = red

Note:

Suitable screws ISO 4762.

Δ Add the desired colour code here.

No colour code is required for black.



KIPP Knurled heads for hexagon socket screws

| Order No. | D1 | D2 | H | for cap screws |
|------------|-----|------|-----|----------------|
| K0680.030Δ | 9,5 | 8,3 | 4,5 | M3 |
| K0680.040Δ | 13 | 9,6 | 5 | M4 |
| K0680.050Δ | 16 | 11,5 | 6,5 | M5 |
| K0680.060Δ | 19 | 14 | 7,5 | M6 |
| K0680.061Δ | 26 | 13 | 8 | M6 |
| K0680.080Δ | 26 | 16 | 10 | M8 |

Wing grips

for hexagon socket screws


Material:

Thermoplastic.

Version:

Black, grey or red.

Sample order:

K0681.0506 (wing grip colour red)

Colour code:

5 = grey

6 = red

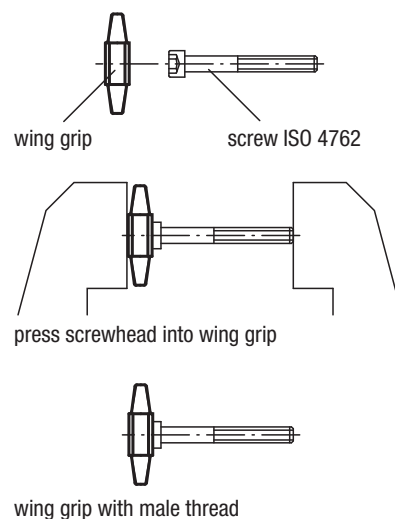
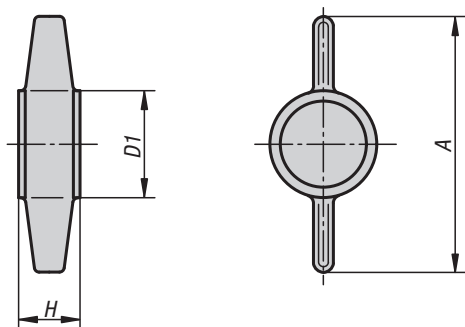
Δ Add the desired colour code here.

No colour code is required for black grips.

Note:

Suitable screws ISO 4762.

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



KIPP Wing grips for hexagon socket screws

| Order No. | A | D1 | H | for cap screws |
|------------|----|------|------|----------------------|
| K0681.050Δ | 26 | 12 | 7 | M5 |
| K0681.060Δ | 30 | 13,5 | 8 | M6 |
| K0681.080Δ | 38 | 17 | 10 | M8 |
| K0681.100Δ | 45 | 20 | 12,5 | M10 |



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



Palm grips

aluminium, similar to DIN 6335



Material:

Aluminium.
Grub screw stainless steel 1.4305.
Pin stainless steel 1.4310.

Version:

Vibratory ground or ground and polished.
Grub screw and pin bright.

Sample order:

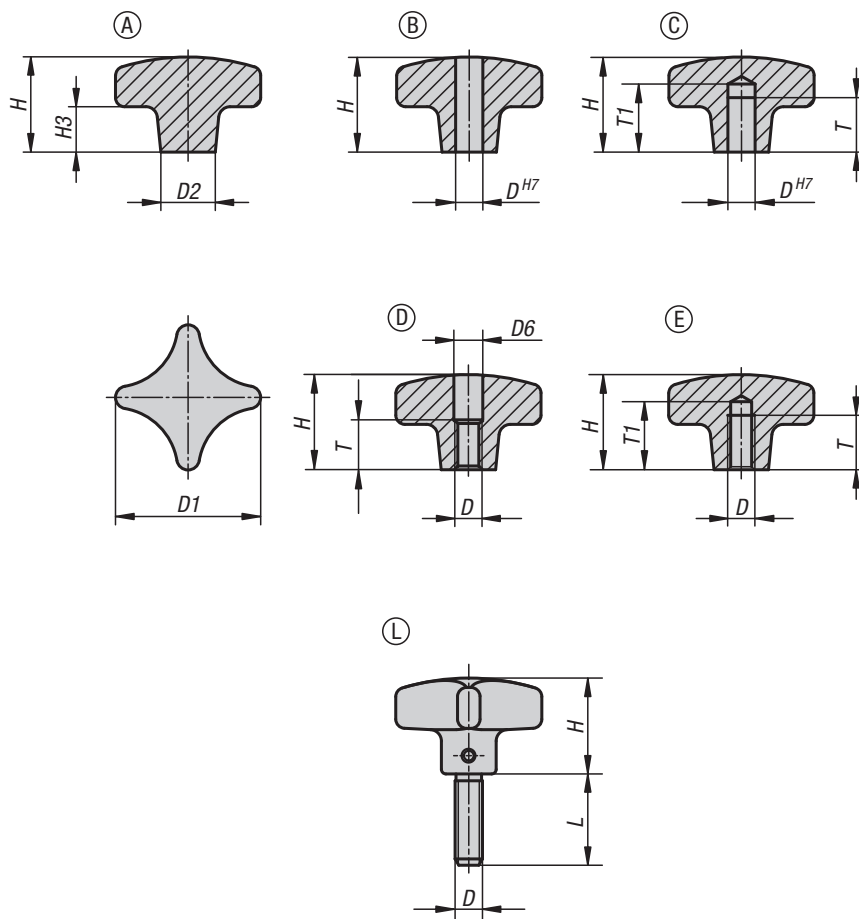
K0145.604008X20 (include length L.)

On request:

Blank palm grips (not tumbled).

Drawing reference:

Form A: blank
Form B: drilled through
Form C: blind hole
Form D: tapped and counterbored
Form E: tapped blind hole
Form L: external thread



KIPP Palm grips aluminium, similar to DIN 6335

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

Palm grips

aluminium, similar to DIN 6335



KIPP Palm grips similar to DIN 6335, aluminium

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H |
|----------------------|-----------------------|------|----|----|----|----|
| K0145.204008 | K0145.2040082 | B | 8 | 40 | 14 | 25 |
| K0145.205010 | K0145.2050102 | B | 10 | 50 | 18 | 32 |
| K0145.206312 | K0145.2063122 | B | 12 | 63 | 25 | 40 |
| K0145.208016 | K0145.2080162 | B | 16 | 80 | 25 | 50 |

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H | T | T1 |
|----------------------|-----------------------|------|----|----|----|----|----|----|
| K0145.304008 | K0145.3040082 | C | 8 | 40 | 14 | 25 | 15 | 18 |
| K0145.305010 | K0145.3050102 | C | 10 | 50 | 18 | 32 | 18 | 21 |
| K0145.306312 | K0145.3063122 | C | 12 | 63 | 25 | 40 | 22 | 25 |
| K0145.308016 | K0145.3080162 | C | 16 | 80 | 25 | 50 | 28 | 32 |

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | D6 | H | T |
|----------------------|-----------------------|------|-----|----|----|------|----|----|
| K0145.404008 | K0145.4040082 | D | M8 | 40 | 14 | 8,4 | 25 | 15 |
| K0145.405010 | K0145.4050102 | D | M10 | 50 | 18 | 10,5 | 32 | 18 |
| K0145.406312 | K0145.4063122 | D | M12 | 63 | 25 | 13 | 40 | 22 |
| K0145.408016 | K0145.4080162 | D | M16 | 80 | 25 | 17 | 50 | 28 |

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H | T | T1 |
|----------------------|-----------------------|------|-----|----|----|----|----|----|
| K0145.504008 | K0145.5040082 | E | M8 | 40 | 14 | 25 | 15 | 18 |
| K0145.505010 | K0145.5050102 | E | M10 | 50 | 18 | 32 | 18 | 21 |
| K0145.506312 | K0145.5063122 | E | M12 | 63 | 25 | 40 | 22 | 25 |
| K0145.508016 | K0145.5080162 | E | M16 | 80 | 25 | 50 | 28 | 32 |

| Order No. | Form | Surface finish body | D | D1 | D2 | H | L |
|---------------|------|------------------------|-----|----|----|----|----------------|
| K0145.604008X | L | vibratory ground | M8 | 40 | 14 | 25 | 20/25/30/40/50 |
| K0145.605010X | L | vibratory ground | M10 | 50 | 18 | 32 | 20/25/30/40/50 |
| K0145.606312X | L | vibratory ground | M12 | 63 | 25 | 40 | 20/30/40/50 |

Palm grips

stainless steel, similar to DIN 6335



Material:

Stainless steel 1.4308.
Grub screw stainless steel 1.4305.
Pin stainless steel 1.4310.

Version:

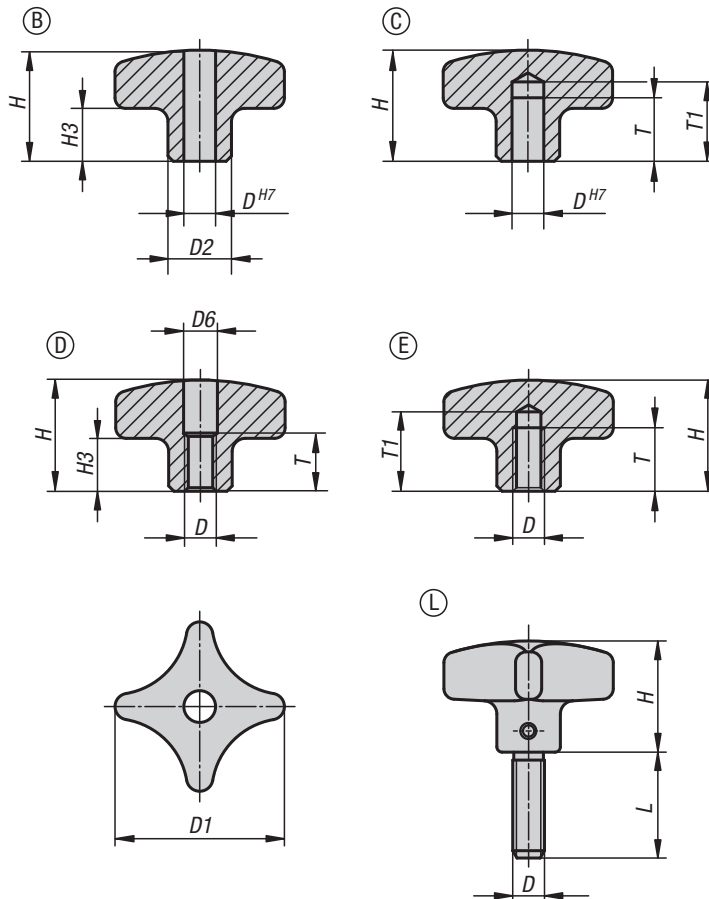
Ground and polished or blasted.
Grub screw and pin bright.

Sample order:

K0146.6032063X20 (include length L.)

Drawing reference:

Form B: drilled through
Form C: blind hole
Form D: tapped and counterbored
Form E: tapped blind hole
Form L: external thread



Palm grips

stainless steel, similar to DIN 6335



KIPP Palm grips stainless steel, similar to DIN 6335

| Order No. Form B | Order No. Form C | Main colour | D | D1 | D2 | H | H3 | T | T1 |
|---------------------|---------------------|----------------|----|----|----|----|----|------|------|
| K0146.2032062 | K0146.3032062 | polished | 6 | 32 | 12 | 21 | 10 | -/12 | -/15 |
| K0146.2040082 | K0146.3040082 | polished | 8 | 40 | 14 | 26 | 14 | -/15 | -/18 |
| K0146.2050102 | K0146.3050102 | polished | 10 | 50 | 18 | 34 | 20 | -/18 | -/21 |
| K0146.2063122 | K0146.3063122 | polished | 12 | 63 | 20 | 42 | 25 | -/22 | -/25 |
| K0146.2032063 | K0146.3032063 | blasted | 6 | 32 | 12 | 21 | 10 | -/12 | -/15 |
| K0146.2040083 | K0146.3040083 | blasted | 8 | 40 | 14 | 26 | 14 | -/15 | -/18 |
| K0146.2050103 | K0146.3050103 | blasted | 10 | 50 | 18 | 34 | 20 | -/18 | -/21 |
| K0146.2063123 | K0146.3063123 | blasted | 12 | 63 | 20 | 42 | 25 | -/22 | -/25 |

| Order No. Form D | Order No. Form E | Main colour | D | D1 | D2 | D6 | H | H3 | T | T1 |
|---------------------|---------------------|----------------|-----|----|----|--------|----|----|-------|------|
| K0146.4032062 | K0146.5032062 | polished | M6 | 32 | 12 | 6,4/- | 21 | 10 | 11/12 | -/15 |
| K0146.4040082 | K0146.5040082 | polished | M8 | 40 | 14 | 8,4/- | 26 | 14 | 14/15 | -/18 |
| K0146.4050102 | K0146.5050102 | polished | M10 | 50 | 18 | 10,5/- | 34 | 20 | 18 | -/21 |
| K0146.4063122 | K0146.5063122 | polished | M12 | 63 | 20 | 13/- | 42 | 25 | 22 | -/25 |
| K0146.4032063 | K0146.5032063 | blasted | M6 | 32 | 12 | 6,4/- | 21 | 10 | 11/12 | -/15 |
| K0146.4040083 | K0146.5040083 | blasted | M8 | 40 | 14 | 8,4/- | 26 | 14 | 14/15 | -/18 |
| K0146.4050103 | K0146.5050103 | blasted | M10 | 50 | 18 | 10,5/- | 34 | 20 | 18 | -/21 |
| K0146.4063123 | K0146.5063123 | blasted | M12 | 63 | 20 | 13/- | 42 | 25 | 22 | -/25 |

| Order No. | Form | Main colour | D | D1 | D2 | H | H3 | L |
|----------------|------|----------------|-----|----|----|----|----|-------------------|
| K0146.6032063X | L | blasted | M6 | 32 | 12 | 21 | 10 | 15/20/25/30/40/50 |
| K0146.6040083X | L | blasted | M8 | 40 | 14 | 26 | 14 | 20/25/30/40/50 |
| K0146.6050103X | L | blasted | M10 | 50 | 18 | 34 | 20 | 20/25/30/40/50 |
| K0146.6063123X | L | blasted | M12 | 63 | 20 | 42 | 25 | 20/30/40/50 |

Palm grips

grey cast iron, DIN 6335



Material:

Grey cast iron GJL 200.
Grub screw stainless steel 1.4305.
Pin stainless steel 1.4310.

Version:

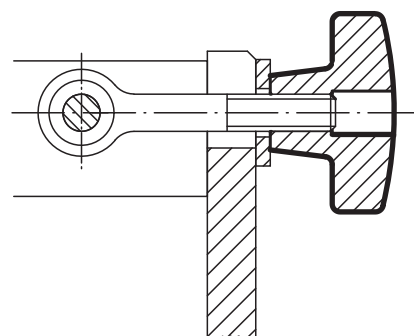
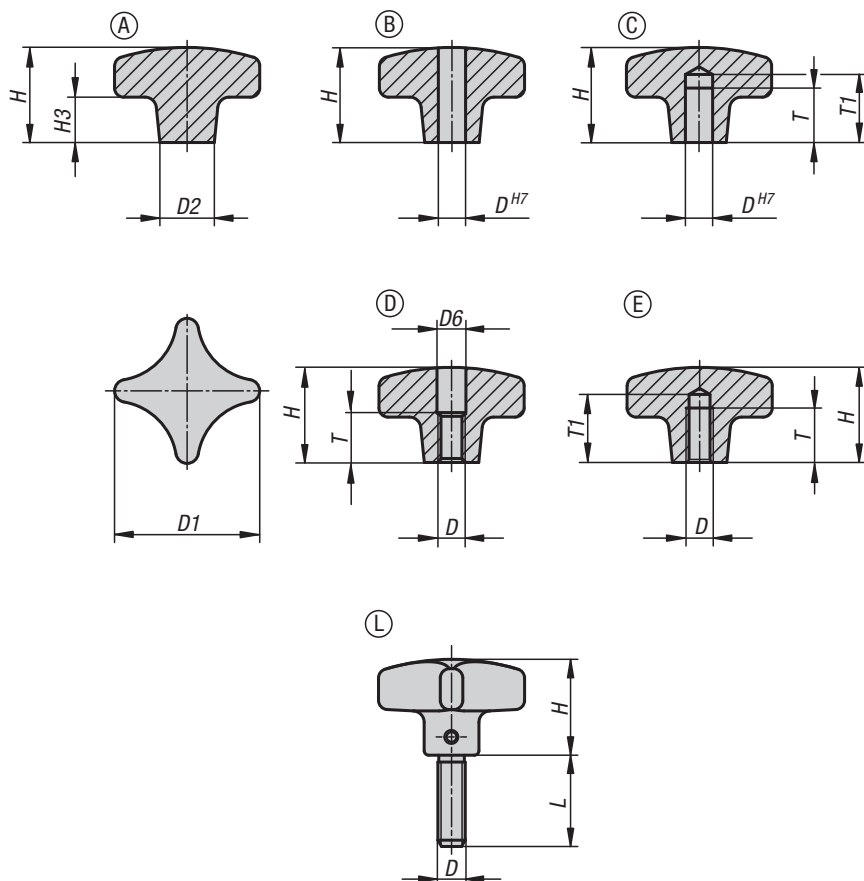
Vibratory ground, bright.
Grub screw and pin bright.

Sample order:

K0147.606X20 (include length L.)

Drawing reference:

Form A: blank
Form B: drilled through
Form C: blind hole
Form D: tapped and counterbored
Form E: tapped blind hole
Form L: external thread



Palm grips

grey cast iron, DIN 6335



KIPP Palm grips grey cast iron DIN 6335

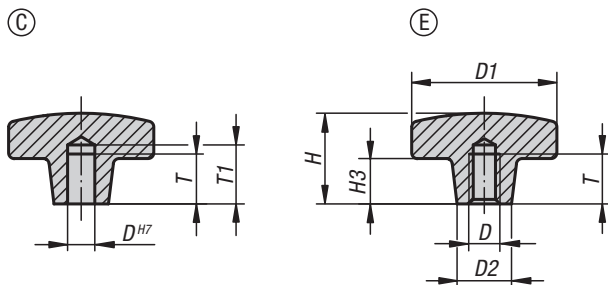
| Order No. Form A | Order No. Form B | Version 1 | D | D1 | D2 | H | H3 |
|---------------------|---------------------|-----------|------|-----|----|-------|----|
| K0147.106 | K0147.206 | tumbled | -/6 | 32 | 12 | 21/20 | 10 |
| K0147.108 | K0147.208 | tumbled | -/8 | 40 | 14 | 26/25 | 14 |
| K0147.110 | K0147.210 | tumbled | -/10 | 50 | 18 | 34/32 | 20 |
| K0147.112 | K0147.212 | tumbled | -/12 | 63 | 20 | 42/40 | 25 |
| K0147.116 | K0147.216 | tumbled | -/16 | 80 | 25 | 52/50 | 30 |
| K0147.120 | K0147.220 | tumbled | -/20 | 100 | 32 | 65/63 | 38 |

| Order No. Form C | Order No. Form D | Order No. Form E | Version 1 | D | D1 | D2 | H | H3 | T | T1 |
|---------------------|---------------------|---------------------|-----------|----------------|-----|----|----|----|----------|---------|
| K0147.306 | K0147.406 | K0147.506 | tumbled | 6 / M6 / M6 | 32 | 12 | 20 | 10 | 12/10/12 | 15/-/15 |
| K0147.308 | K0147.408 | K0147.508 | tumbled | 8 / M8 / M8 | 40 | 14 | 25 | 14 | 15/13/15 | 18/-/18 |
| K0147.310 | K0147.410 | K0147.510 | tumbled | 10 / M10 / M10 | 50 | 18 | 32 | 20 | 18/16/18 | 21/-/21 |
| K0147.312 | K0147.412 | K0147.512 | tumbled | 12 / M12 / M12 | 63 | 20 | 40 | 25 | 22/20/22 | 25/-/25 |
| K0147.316 | K0147.416 | K0147.516 | tumbled | 16 / M16 / M16 | 80 | 25 | 50 | 30 | 28/20/28 | 32/-/32 |
| K0147.320 | K0147.420 | K0147.520 | tumbled | 20 / M20 / M20 | 100 | 32 | 63 | 38 | 36/25/36 | 40/-/40 |

| Order No. | Form | Version 1 | D | D1 | H | L |
|------------|------|-----------|-----|----|----|-------------------|
| K0147.606X | L | tumbled | M6 | 32 | 20 | 15/20/25/30/40/50 |
| K0147.608X | L | tumbled | M8 | 40 | 25 | 20/25/30/40/50 |
| K0147.610X | L | tumbled | M10 | 50 | 32 | 20/25/30/40/50 |
| K0147.612X | L | tumbled | M12 | 63 | 40 | 20/30/40/50 |

Palm grips

plastic coated grey cast iron, DIN 6335



Material:
Grey cast iron GJL 200.

Version:
Plastic coated.

Sample order:
K0682.212

Note:
Available colours:
Pure orange RAL 2004.
Jet black RAL 9005.

Drawing reference:
Form C: blind hole
Form E: tapped blind hole

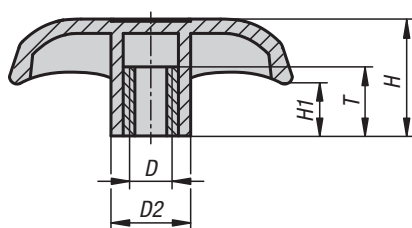
KIPP Palm grips, plastic coated grey cast iron, DIN 6335

| Order No. orange | Order No. black | Form | D | D1 | D2 | H | H3 | T | T1 |
|---------------------|--------------------|------|-----|----|----|----|----|----|----|
| K0682.108 | K0682.208 | C | 8 | 40 | 14 | 26 | 14 | 15 | 18 |
| K0682.110 | K0682.210 | C | 10 | 50 | 18 | 34 | 20 | 18 | 21 |
| K0682.112 | K0682.212 | C | 12 | 63 | 20 | 42 | 25 | 22 | 25 |
| K0682.116 | K0682.216 | C | 16 | 80 | 25 | 52 | 30 | 28 | 32 |
| K0682.308 | K0682.408 | E | M8 | 40 | 14 | 26 | 14 | 15 | - |
| K0682.310 | K0682.410 | E | M10 | 50 | 18 | 34 | 20 | 18 | - |
| K0682.312 | K0682.412 | E | M12 | 63 | 20 | 42 | 25 | 22 | - |
| K0682.316 | K0682.416 | E | M16 | 80 | 25 | 52 | 30 | 28 | - |

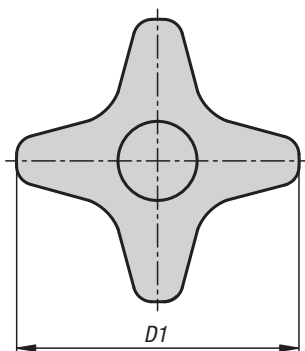
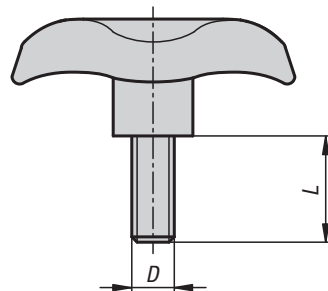
Palm grips soft



(K)



(L)



Material:

Body hard thermoplastic.
Coating soft thermoplastic.
Bush or screw steel 5.8.

Version:

Body and coating black.
Bush and screw electro zinc-plated.

Sample order:

K0613.5108X20 (include length 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 creates a sympathetic, non-slip surface allowing higher clamping forces while protecting the hand.

KIPP Palm grips soft with internal thread

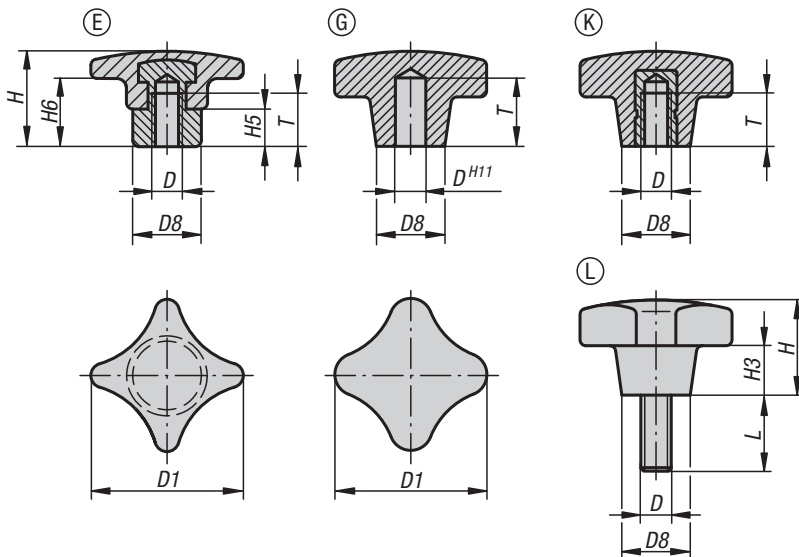
| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|----|------|----|------|----|
| K0613.5108 | K | M8 | 51 | 15 | 22 | 10 | 13 |
| K0613.5110 | K | M10 | 51 | 15 | 22 | 10 | 13 |
| K0613.7608 | K | M8 | 76 | 19,5 | 28 | 13,5 | 20 |
| K0613.7610 | K | M10 | 76 | 19,5 | 28 | 13,5 | 20 |
| K0613.7612 | K | M12 | 76 | 19,5 | 28 | 13,5 | 20 |

KIPP Palm grips soft with external thread

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

Palm grips

similar to DIN 6335



Material:

Black thermoset PF 31.

Bush and screw electro zinc-plated steel.

Version:

High-gloss polished.

Sample order:

K0148.505X30 (include length L)

Drawing reference:

Form E: projecting steel bush

Form G: blind hole

Form K: tapped bush

Form L: external thread

Palm grips

similar to DIN 6335



KIPP Palm grips similar to DIN 6335, Form E

| Order No. | Form | D | D1 | D8 | H | H5 | H6 | T |
|-----------|------|-----|----|----|----|----|----|----|
| K0148.306 | E | M6 | 32 | 12 | 23 | 9 | 12 | 12 |
| K0148.308 | E | M8 | 40 | 14 | 26 | 10 | 13 | 15 |
| K0148.310 | E | M10 | 50 | 18 | 32 | 12 | 18 | 18 |
| K0148.312 | E | M12 | 63 | 20 | 40 | 14 | 23 | 22 |
| K0148.316 | E | M16 | 80 | 25 | 50 | 17 | 28 | 28 |

KIPP Palm grips similar to DIN 6335, Form G

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

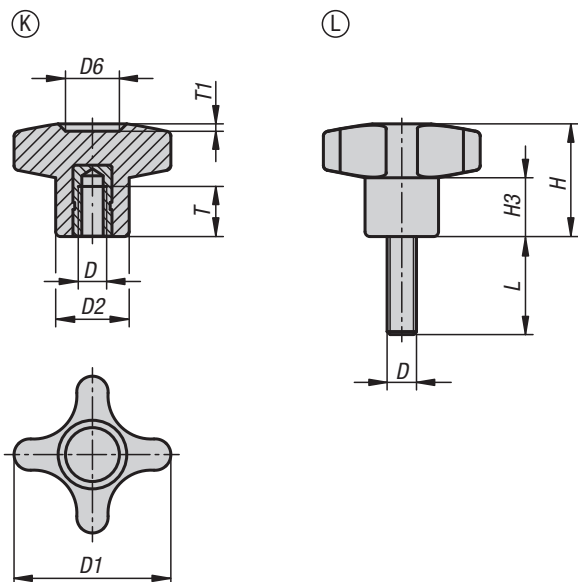
KIPP Palm grips similar to DIN 6335, Form K

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

KIPP Palm grips similar to DIN 6335, Form L

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

Palm grips



Material:

Fibreglass reinforced thermoplastic.
Tapped bush brass.
Screw steel.

Version:

Grip, black.
Screw electro zinc-plated.

Sample order:

K1089.43205X30 (include length L)

KIPP Palm grips with internal thread

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T | T1 |
|-------------|------|-----|----|----|----|------|------|----|-----|
| K1089.23205 | K | M5 | 32 | 15 | 11 | 23 | 12 | 14 | 1,5 |
| K1089.23206 | K | M6 | 32 | 15 | 11 | 23 | 12 | 14 | 1,5 |
| K1089.24008 | K | M8 | 40 | 16 | 13 | 24,5 | 12,5 | 14 | 1,5 |
| K1089.25010 | K | M10 | 50 | 20 | 14 | 29 | 15 | 14 | 2 |
| K1089.26012 | K | M12 | 60 | 24 | 18 | 34 | 18,5 | 18 | 2 |

KIPP Palm grips with external thread

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T1 | L |
|--------------|------|-----|----|------|------|------|------|-----|-------------|
| K1089.43205X | L | M5 | 32 | 15 | 11 | 23 | 11 | 1,5 | 16/20 |
| K1089.43206X | L | M6 | 32 | 15 | 11 | 23 | 11 | 1,5 | 16/20/30 |
| K1089.43208X | L | M8 | 32 | 15 | 11 | 23 | 11 | 1,5 | 16/20/30/40 |
| K1089.44006X | L | M6 | 40 | 15,7 | 12 | 24,5 | 12,5 | 1 | 20/30 |
| K1089.44008X | L | M8 | 40 | 15,7 | 12 | 24,5 | 12,5 | 1 | 20/30/40/50 |
| K1089.45008X | L | M8 | 50 | 20 | 14,5 | 29 | 15 | 1,5 | 20/30/40 |
| K1089.45010X | L | M10 | 50 | 20 | 14,5 | 29 | 15 | 1,5 | 20/30/40/50 |
| K1089.46010X | L | M10 | 60 | 24 | 18 | 34 | 18,5 | 1,5 | 20/30/40/50 |
| K1089.46012X | L | M12 | 60 | 24 | 18 | 34 | 18,5 | 1,5 | 20/30/40/50 |

Palm grips

similar to DIN 6335, metal parts stainless steel



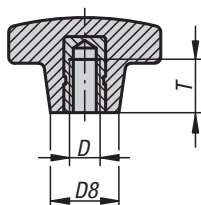
Material:
Thermoset PF 31, black.
Metal parts stainless steel 1.4301.

Version:
High-gloss polished, black.

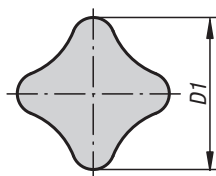
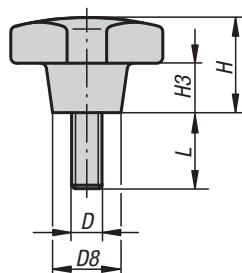
Sample order:
K1017.22505 (Form K)
K1017.52505X15 (Form L)

Drawing reference:
Form K: tapped bush
Form L: external thread

(K)



(L)



KIPP Palm grips metal parts stainless steel Form K

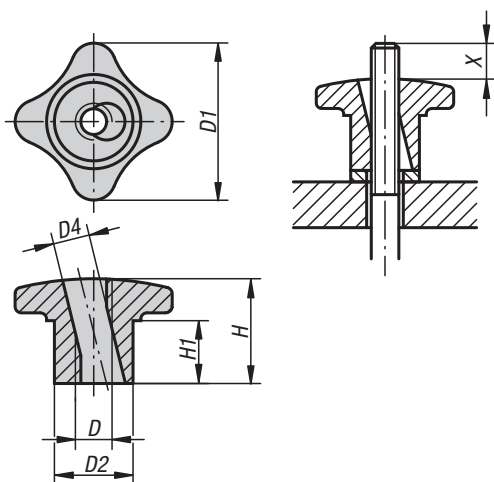
| Order No. | Form | Component material | D | D1 | D8 | H | H3 | T |
|-------------|------|--------------------|-----|----|----|----|----|-----|
| K1017.22505 | K | stainless steel | M5 | 25 | 12 | 16 | 8 | 9,5 |
| K1017.23206 | K | stainless steel | M6 | 32 | 14 | 20 | 10 | 12 |
| K1017.24008 | K | stainless steel | M8 | 40 | 18 | 25 | 13 | 14 |
| K1017.25010 | K | stainless steel | M10 | 50 | 22 | 32 | 20 | 18 |
| K1017.26312 | K | stainless steel | M12 | 63 | 26 | 40 | 25 | 22 |

KIPP Palm grips metal parts stainless steel Form L

| Order No. | Form | Component material | D | D1 | D8 | H | H3 | L |
|----------------|------|--------------------|----|----|----|----|----|----|
| K1017.52505X15 | L | stainless steel | M5 | 25 | 12 | 16 | 8 | 15 |
| K1017.52505X20 | L | stainless steel | M5 | 25 | 12 | 16 | 8 | 20 |
| K1017.53206X15 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 15 |
| K1017.53206X20 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 20 |
| K1017.53206X25 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 25 |
| K1017.53206X30 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 30 |
| K1017.53206X40 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 40 |
| K1017.53206X50 | L | stainless steel | M6 | 32 | 14 | 20 | 10 | 50 |
| K1017.54008X20 | L | stainless steel | M8 | 40 | 18 | 25 | 13 | 20 |
| K1017.54008X25 | L | stainless steel | M8 | 40 | 18 | 25 | 13 | 25 |
| K1017.54008X30 | L | stainless steel | M8 | 40 | 18 | 25 | 13 | 30 |
| K1017.54008X40 | L | stainless steel | M8 | 40 | 18 | 25 | 13 | 40 |
| K1017.54008X50 | L | stainless steel | M8 | 40 | 18 | 25 | 13 | 50 |

Palm grips quick-acting

grey cast iron


Material:

Grey cast iron GJL 300

Version:

Vibratory ground.

Sample order:

K0683.08

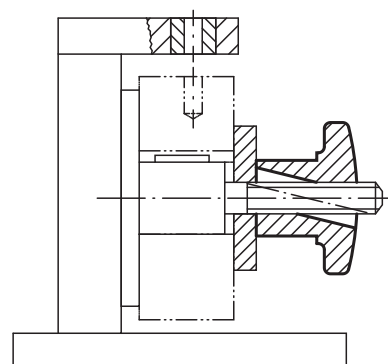
Note:

Quick-acting palm grips can be used on all fixtures that do not require a high clamping force.

Tilt the grip to slide on, then straighten it to engage the threads.

Drawing reference:

X: The stud should be several mm longer than height "H"



KIPP Palm grips quick-acting, grey cast iron

| Order No. | D | D1 | D2 | D4 | H | H1 |
|-----------|-----|----|----|------|----|----|
| K0683.06 | M6 | 30 | 15 | 7 | 20 | 10 |
| K0683.08 | M8 | 40 | 18 | 9,4 | 25 | 14 |
| K0683.10 | M10 | 50 | 21 | 11,3 | 30 | 16 |
| K0683.12 | M12 | 60 | 26 | 13,1 | 35 | 19 |
| K0683.14 | M14 | 70 | 30 | 15,6 | 40 | 22 |
| K0683.16 | M16 | 80 | 34 | 17,6 | 45 | 25 |

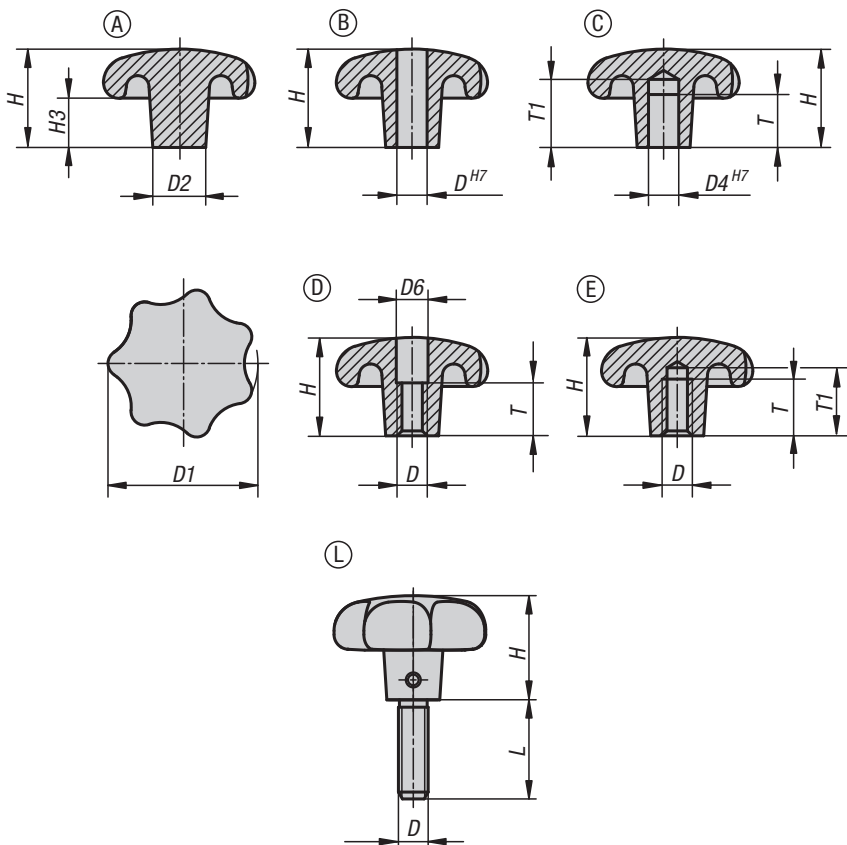


A large grid of graph paper for taking notes.



Star grips

aluminium, similar to DIN 6336



Material:

Aluminium.

Grub screw stainless steel 1.4305.

Pin stainless steel 1.4310.

Version:

Vibratory ground or ground and polished.

Grub screw and pin bright.

Sample order:

K0149.64008X20 (include length L.)

On request:

Blank star grips (not tumbled).

Drawing reference:

Form A: blank

Form B: drilled through

Form C: blind hole

Form D: tapped and counterbored

Form E: tapped blind hole

Form L: external thread

KIPP Star grips, aluminium, similar to DIN 6336

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

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H |
|----------------------|-----------------------|------|----|----|----|----|
| K0149.24008 | K0149.240082 | B | 8 | 40 | 14 | 25 |
| K0149.25010 | K0149.250102 | B | 10 | 50 | 18 | 32 |
| K0149.26312 | K0149.263122 | B | 12 | 63 | 20 | 40 |
| K0149.28016 | K0149.280162 | B | 16 | 80 | 25 | 50 |

Star grips

aluminium, similar to DIN 6336



| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H | T | T1 |
|----------------------|-----------------------|------|----|----|----|----|----|----|
| K0149.34008 | K0149.340082 | C | 8 | 40 | 14 | 25 | 15 | 18 |
| K0149.35010 | K0149.350102 | C | 10 | 50 | 18 | 32 | 18 | 21 |
| K0149.36312 | K0149.363122 | C | 12 | 63 | 20 | 40 | 22 | 25 |
| K0149.38016 | K0149.380162 | C | 16 | 80 | 25 | 50 | 28 | 32 |

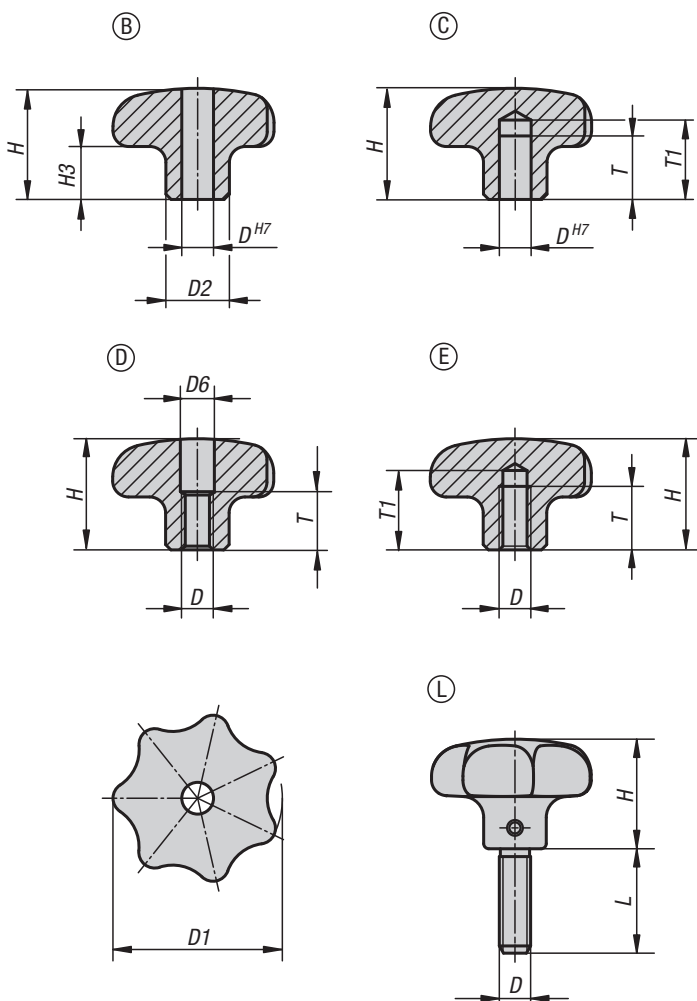
| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | D6 | H | T |
|----------------------|-----------------------|------|-----|----|----|------|----|----|
| K0149.44008 | K0149.440082 | D | M8 | 40 | 14 | 8,4 | 25 | 12 |
| K0149.45010 | K0149.450102 | D | M10 | 50 | 18 | 10,5 | 32 | 16 |
|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

| Order No. tumbled | Order No. polished | Form | D | D1 | D2 | H | T | T1 |
|----------------------|-----------------------|------|-----|----|----|----|----|----|
| K0149.54008 | K0149.540082 | E | M8 | 40 | 14 | 25 | 15 | 18 |
| K0149.55010 | K0149.550102 | E | M10 | 50 | 18 | 32 | 18 | 21 |
| K0149.56312 | K0149.563122 | E | M12 | 63 | 20 | 40 | 22 | 25 |
| K0149.58016 | K0149.580162 | E | M16 | 80 | 25 | 50 | 28 | 32 |

| Order No. | Form | Surface finish body | D | D1 | D2 | H | L |
|--------------|------|------------------------|-----|----|----|----|-------------|
| K0149.64008X | L | tumbled | M8 | 40 | 14 | 25 | 20/25/30/40 |
| K0149.65010X | L | tumbled | M10 | 50 | 18 | 32 | 25/30/40/50 |
| K0149.66312X | L | tumbled | M12 | 63 | 20 | 40 | 30/40/50/60 |

Star grips

stainless steel, similar to DIN 6336



Material:

Stainless steel 1.4308.

Grub screw stainless steel 1.4305.

Pin stainless steel 1.4310.

Version:

Ground and polished or blasted.

Grub screw and pin bright.

Sample order:

K0150.632063X20 (include length L.)

Drawing reference:

Form B: drilled through

Form C: blind hole

Form D: tapped and counterbored

Form E: tapped blind hole

Form L: external thread

Star grips

stainless steel, similar to DIN 6336



KIPP Star grips in stainless steel, similar to DIN 6336

| Order No. Form B | Order No. Form C | Main colour | D | D1 | D2 | H | H3 | T | T1 |
|---------------------|---------------------|----------------|----|----|----|----|----|------|------|
| K0150.232062 | K0150.332062 | polished | 6 | 32 | 12 | 21 | 10 | -/12 | -/15 |
| K0150.240082 | K0150.340082 | polished | 8 | 40 | 14 | 26 | 13 | -/15 | -/18 |
| K0150.250102 | K0150.350102 | polished | 10 | 50 | 18 | 34 | 17 | -/18 | -/21 |
| K0150.263122 | K0150.363122 | polished | 12 | 63 | 20 | 42 | 21 | -/22 | -/25 |
| K0150.232063 | K0150.332063 | blasted | 6 | 32 | 12 | 21 | 10 | -/12 | -/15 |
| K0150.240083 | K0150.340083 | blasted | 8 | 40 | 14 | 26 | 13 | -/15 | -/18 |
| K0150.250103 | K0150.350103 | blasted | 10 | 50 | 18 | 34 | 17 | -/18 | -/21 |
| K0150.263123 | K0150.363123 | blasted | 12 | 63 | 20 | 42 | 21 | -/22 | -/25 |

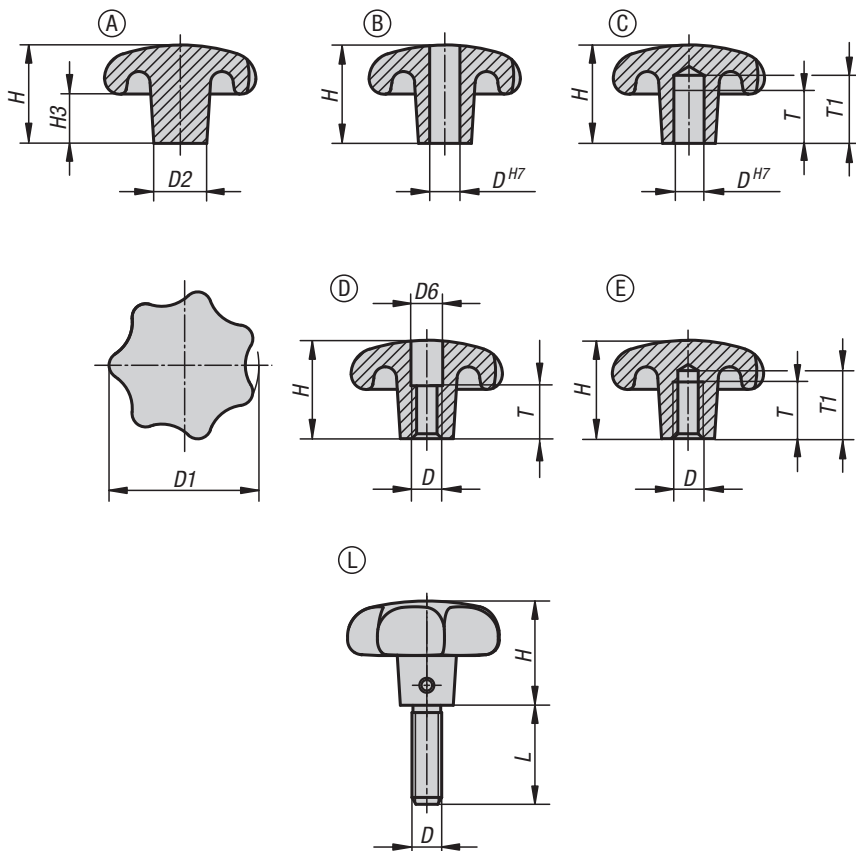
| Order No. | Form | Main colour | D | D1 | D2 | D6 | H | H3 | T |
|--------------|------|----------------|-----|----|----|------|----|----|----|
| K0150.432062 | D | polished | M6 | 32 | 12 | 6,4 | 21 | 10 | 11 |
| K0150.440082 | D | polished | M8 | 40 | 14 | 8,4 | 26 | 13 | 14 |
| K0150.450102 | D | polished | M10 | 50 | 18 | 10,5 | 34 | 17 | 18 |
| K0150.463122 | D | polished | M12 | 63 | 20 | 13 | 42 | 21 | 22 |
| K0150.432063 | D | blasted | M6 | 32 | 12 | 6,4 | 21 | 10 | 11 |
| K0150.440083 | D | blasted | M8 | 40 | 14 | 8,4 | 26 | 13 | 14 |
| K0150.450103 | D | blasted | M10 | 50 | 18 | 10,5 | 34 | 17 | 18 |
| K0150.463123 | D | blasted | M12 | 63 | 20 | 13 | 42 | 21 | 22 |

| Order No. | Form | Main colour | D | D1 | D2 | H | H3 | T | T1 |
|--------------|------|----------------|-----|----|----|----|----|----|----|
| K0150.532062 | E | polished | M6 | 32 | 12 | 21 | 10 | 12 | 15 |
| K0150.540082 | E | polished | M8 | 40 | 14 | 26 | 13 | 15 | 18 |
| K0150.550102 | E | polished | M10 | 50 | 18 | 34 | 17 | 18 | 21 |
| K0150.563122 | E | polished | M12 | 63 | 20 | 42 | 21 | 22 | 25 |
| K0150.532063 | E | blasted | M6 | 32 | 12 | 21 | 10 | 12 | 15 |
| K0150.540083 | E | blasted | M8 | 40 | 14 | 26 | 13 | 15 | 18 |
| K0150.550103 | E | blasted | M10 | 50 | 18 | 34 | 17 | 18 | 21 |
| K0150.563123 | E | blasted | M12 | 63 | 20 | 42 | 21 | 22 | 25 |

| Order No. | Form | Main colour | D | D1 | D2 | H | H3 | L |
|---------------|------|----------------|-----|----|----|----|----|-------------|
| K0150.632063X | L | blasted | M6 | 32 | 12 | 21 | 10 | 15/20/25/30 |
| K0150.640083X | L | blasted | M8 | 40 | 14 | 26 | 13 | 20/25/30/40 |
| K0150.650103X | L | blasted | M10 | 50 | 18 | 34 | 17 | 25/30/40/50 |
| K0150.663123X | L | blasted | M12 | 63 | 20 | 42 | 21 | 30/40/50/60 |

Star grips

grey cast iron, DIN 6336



Material:

Grey cast iron GJL 200.
Grub screw stainless steel 1.4305.
Pin stainless steel 1.4310.

Version:

Vibratory ground, bright.
Grub screw and pin bright.

Sample order:

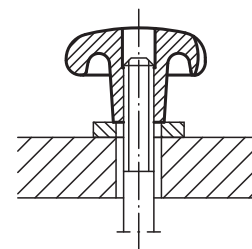
K0151.606X20 (include length L.)

On request:

Grips with a plastic coating.

Drawing reference:

Form A: blank
Form B: drilled through
Form C: blind hole
Form D: tapped and counterbored
Form E: tapped blind hole
Form L: external thread



KIPP Star grips, grey cast iron, DIN 6336

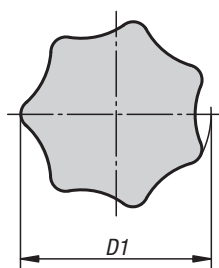
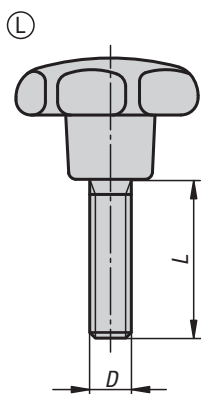
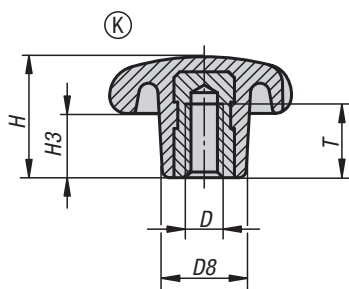
| Order No. Form A | Order No. Form B | Main colour | D | D1 | D2 | H | H3 |
|---------------------|---------------------|-------------|------|----|----|-------|----|
| K0151.106 | K0151.206 | tumbled | -/6 | 32 | 12 | 21/20 | 10 |
| K0151.108 | K0151.208 | tumbled | -/8 | 40 | 14 | 26/25 | 13 |
| K0151.110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

| Order No. Form C | Order No. Form D | Order No. Form E | Main colour | D | D1 | D2 | H | H3 | T | T1 |
|---------------------|---------------------|---------------------|-------------|----------------|----|----|----|----|----------|---------|
| K0151.306 | K0151.406 | K0151.506 | tumbled | 6 / M6 / M6 | 32 | 12 | 20 | 10 | 12/10/12 | 15/-/15 |
| K0151.308 | K0151.408 | K0151.508 | tumbled | 8 / M8 / M8 | 40 | 14 | 25 | 13 | 15/13/15 | 18/-/18 |
| K0151.310 | K0151.410 | K0151.510 | tumbled | 10 / M10 / M10 | 50 | 18 | 32 | 17 | 18/16/18 | 21/-/21 |
| K0151.312 | K0151.412 | K0151.512 | tumbled | 12 / M12 / M12 | 63 | 20 | 40 | 21 | 22/20/22 | 25/-/25 |
| K0151.316 | K0151.416 | K0151.516 | tumbled | 16 / M16 / M16 | 80 | 25 | 50 | 25 | 28/20/28 | 32/-/32 |

| Order No. | Form | Main colour | D | D1 | D2 | H | L |
|------------|------|-------------|-----|----|----|----|-------------|
| K0151.606X | L | tumbled | M6 | 32 | 12 | 20 | 15/20/25/30 |
| K0151.608X | L | tumbled | M8 | 40 | 14 | 25 | 20/25/30/40 |
| K0151.610X | L | tumbled | M10 | 50 | 18 | 32 | 25/30/40/50 |
| K0151.612X | L | tumbled | M12 | 63 | 20 | 40 | 30/40/50/60 |

Star grips

similar to DIN 6336



Material:

Thermoset PF 31, black.

Bush and screw steel, trivalent blue passivated.

Version:

High-gloss polished.

Sample order:

K0152.42505X15 (include length L.)

Note:

The version K0152.22004 has a brass bush.

On request:

Other colours.

Drawing reference:

Form K: tapped bush

Form L: external thread

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

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

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

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

Star grips

similar to DIN 6336 metal parts stainless steel



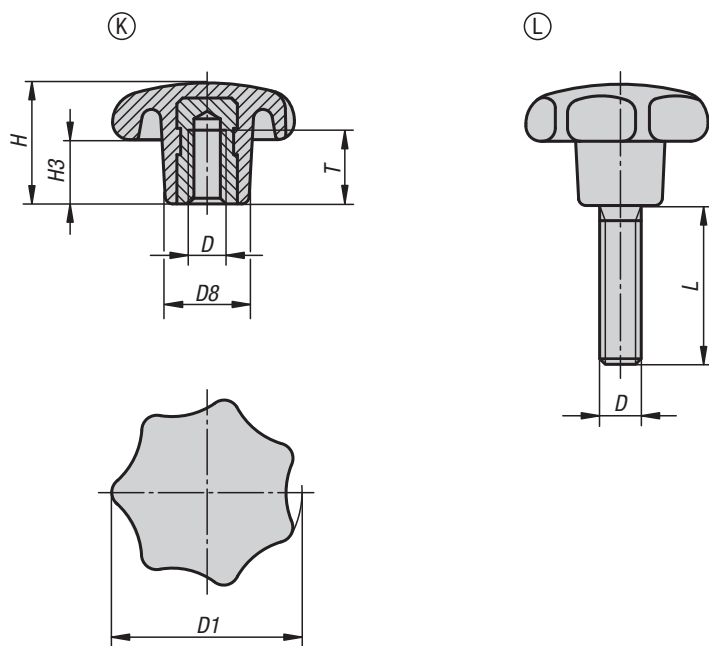
Material:
Thermoset PF 31, black.
Bushing or threaded pin stainless steel 1.4301.

Version:
High-gloss polished.

Sample order:
K1016.24008

On request:
Other colours.

Drawing reference:
Form K: tapped bush
Form L: external thread



KIPP Star grips similar to DIN 6336, metal parts stainless steel, internal thread, with cap, Form K

| Order No. | Form | D | D1 | D8 | H | H3 | T |
|-------------|------|-----|----|----|----|----|----|
| K1016.23206 | K | M6 | 32 | 14 | 20 | 10 | 12 |
| K1016.24008 | K | M8 | 40 | 18 | 25 | 13 | 14 |
| K1016.25010 | K | M10 | 50 | 22 | 32 | 17 | 18 |
| K1016.26312 | K | M12 | 63 | 26 | 40 | 21 | 22 |

KIPP Star grips similar to DIN 6336 metal parts stainless steel, with external thread, Form L

| Order No. | Form | D | D1 | D8 | H | H3 | L |
|----------------|------|----|----|----|----|----|----|
| K1016.43206X15 | L | M6 | 32 | 14 | 20 | 10 | 15 |
| K1016.43206X20 | L | M6 | 32 | 14 | 20 | 10 | 20 |
| K1016.43206X25 | L | M6 | 32 | 14 | 20 | 10 | 25 |
| K1016.43206X30 | L | M6 | 32 | 14 | 20 | 10 | 30 |
| K1016.44008X20 | L | M8 | 40 | 18 | 25 | 13 | 20 |
| K1016.44008X25 | L | M8 | 40 | 18 | 25 | 13 | 25 |
| K1016.44008X30 | L | M8 | 40 | 18 | 25 | 13 | 30 |
| K1016.44008X40 | L | M8 | 40 | 18 | 25 | 13 | 40 |

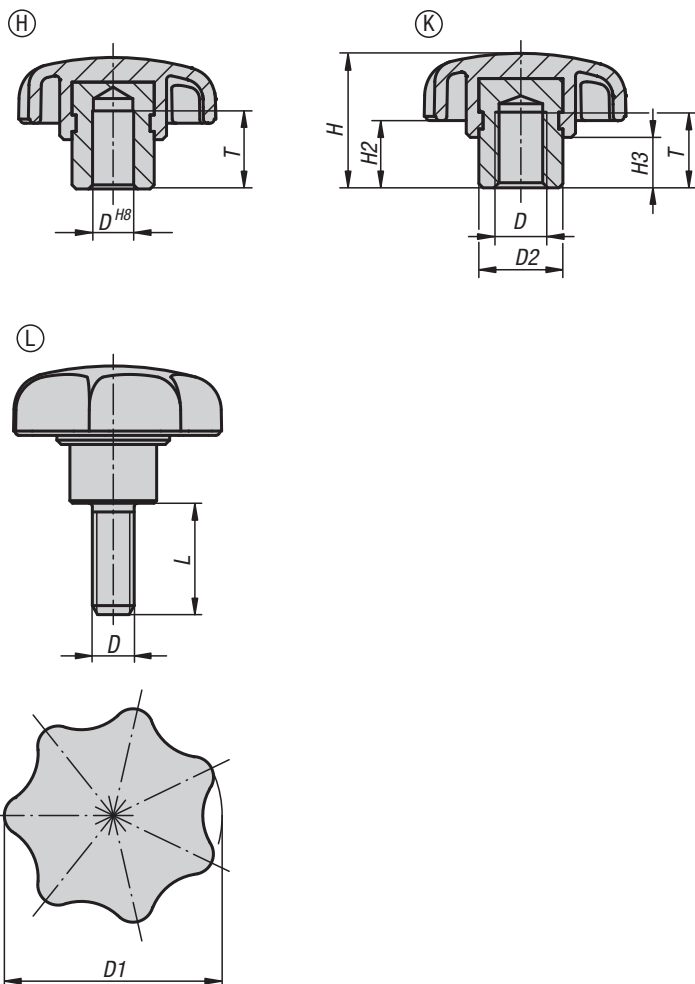


A large rectangular area filled with a fine grid of light gray lines, intended for taking notes or drawing.



Star grips

with projecting steel bush



Material:

Black thermoplastic.

Steel grade 5.8 or stainless steel 1.4305.

Version:

Metal parts trivalent blue passivated steel or bright stainless steel.

Sample order:

K0153.405X20 (include length L.)

Note:

Star grips with projecting steel bush and blind hole or female thread are especially suited for cross pinning.

Drawing reference:

Form H: bush with blind hole

Form K: tapped bush

Form L: external thread

KIPP Star grips with projecting steel bush, Form H

| Order No. | Form | Component material | D | D1 | D2 | H | H2 | H3 | T |
|------------|------|--------------------|----|----|------|----|----|-----|------|
| K0153.105 | H | steel | 5 | 25 | 10 | 17 | 9 | 7 | 9,5 |
| K0153.106 | H | steel | 6 | 32 | 13,5 | 21 | 11 | 9,5 | 12,5 |
| K0153.1061 | H | steel | 6 | 40 | 13,5 | 25 | 13 | 10 | 12,5 |
| K0153.108 | H | steel | 8 | 40 | 13,5 | 25 | 13 | 10 | 12,5 |
| K0153.1081 | H | steel | 8 | 50 | 19 | 32 | 17 | 12 | 19,5 |
| K0153.110 | H | steel | 10 | 50 | 19 | 32 | 17 | 12 | 19,5 |
| K0153.1101 | H | steel | 10 | 63 | 19 | 37 | 18 | 12 | 19,5 |
| K0153.112 | H | steel | 12 | 63 | 19 | 37 | 18 | 12 | 19,5 |
| K0153.116 | H | steel | 16 | 63 | 23 | 40 | 21 | 15 | 24,5 |

Star grips

with projecting steel bush



KIPP Star grips with projecting steel bush, Form K

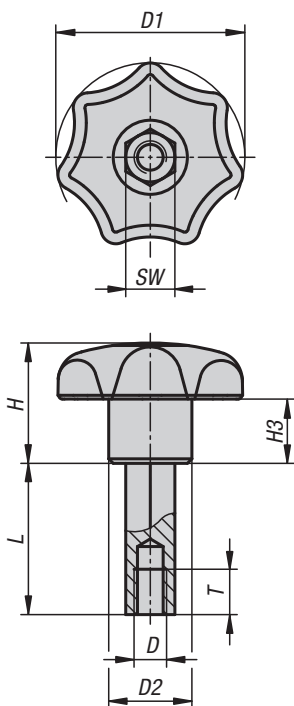
| Order No. steel | Order No. stainless steel | Form | D | D1 | D2 | H | H2 | H3 | T |
|--------------------|------------------------------|------|-----|----|------|----|----|-----|----|
| K0153.205 | K0153.305 | K | M5 | 25 | 10 | 17 | 9 | 7 | 9 |
| K0153.206 | K0153.306 | K | M6 | 32 | 13,5 | 21 | 11 | 9,5 | 12 |
| K0153.2061 | K0153.3061 | K | M6 | 40 | 13,5 | 25 | 13 | 10 | 12 |
| K0153.208 | K0153.308 | K | M8 | 40 | 13,5 | 25 | 13 | 10 | 12 |
| K0153.2081 | K0153.3081 | K | M8 | 50 | 19 | 32 | 17 | 12 | 17 |
| K0153.210 | K0153.310 | K | M10 | 50 | 19 | 32 | 17 | 12 | 17 |
| K0153.2101 | K0153.3101 | K | M10 | 63 | 19 | 37 | 18 | 12 | 17 |
| K0153.212 | K0153.312 | K | M12 | 63 | 19 | 37 | 18 | 12 | 17 |
| K0153.216 | K0153.316 | K | M16 | 63 | 23 | 40 | 21 | 15 | 23 |

KIPP Star grips with external thread, Form L

| Order No. steel | Order No. stainless steel | Form | D | D1 | D2 | H | H2 | H3 | L |
|--------------------|------------------------------|------|-----|----|------|----|----|-----|-------------------|
| K0153.405X | K0153.505X | L | M5 | 25 | 10 | 17 | 9 | 7 | 10/15/20 |
| K0153.406X | K0153.506X | L | M6 | 32 | 13,5 | 21 | 11 | 9,5 | 10/15/20/25/30 |
| K0153.408X | K0153.508X | L | M8 | 40 | 13,5 | 25 | 13 | 10 | 15/20/25/30/40/50 |
| K0153.410X | K0153.510X | L | M10 | 50 | 19 | 32 | 17 | 12 | 20/25/30/40/50/60 |
| K0153.412X | K0153.512X | L | M12 | 63 | 19 | 37 | 18 | 12 | 20/25/30/40/50/60 |

Star grips

with extended collar



Material:

Thermoplastic, black.

Extension piece, 1.0718 free-cutting steel .

Version:

Extension piece, trivalent blue passivated.

Sample order:

K1291.320508020

(include length L e.g. 020 for L = 20 mm.)

KIPP Star grips with extended collar

| Order No. | D | D1 | D2 | H | H3 | L | SW | T |
|-----------------|-----|----|----|----|----|--------------------|----|----|
| K1291.320508*** | M5 | 32 | 14 | 20 | 10 | 20/25/30 | 8 | 8 |
| K1291.400610*** | M6 | 40 | 18 | 25 | 13 | 20/25/30/40/50 | 10 | 9 |
| K1291.500813*** | M8 | 50 | 22 | 32 | 17 | 20/25/30/40/50/80 | 13 | 12 |
| K1291.631016*** | M10 | 63 | 26 | 40 | 21 | 25/30/40/50/80/100 | 16 | 15 |

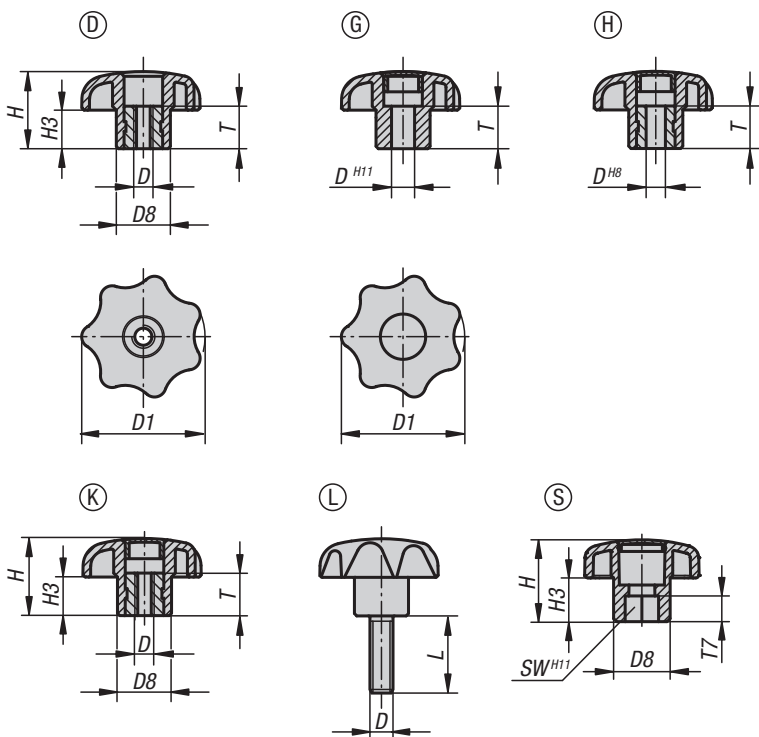


A large rectangular area filled with a fine grid of light gray lines, intended for taking notes.



Star grips

similar to DIN 6336



Material:
Black thermoplastic.
Bush and screw steel.

Version:
Bush and screw trivalent blue passivated.

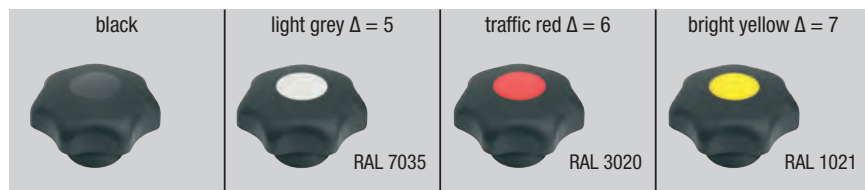
Sample order:
K0155.4127X30
(Cap colour bright yellow; include length L)

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

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

Drawing reference:
Form D: tapped bush without cap
Form G: without bush
Form H: with reamed bush
Form K: tapped bush with cap
Form L: external thread
Form S: hexagon

examples of grip cap designs



KIPP Star grips similar to DIN 6336

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

Star grips

similar to DIN 6336



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

| Order No. | Form | D | D1 | D8 | H | H3 | T |
|-------------|------|-----|----|----|----|----|----|
| K0155.204Δ | K | M4 | 25 | 12 | 16 | 8 | 10 |
| K0155.205Δ | K | M5 | 25 | 12 | 16 | 8 | 10 |
| K0155.2061Δ | K | M6 | 25 | 12 | 16 | 8 | 10 |
| K0155.2051Δ | K | M5 | 32 | 14 | 20 | 10 | 10 |
| K0155.206Δ | K | M6 | 32 | 14 | 20 | 10 | 10 |
| K0155.208Δ | K | M8 | 40 | 18 | 25 | 13 | 14 |
| K0155.2101Δ | K | M10 | 40 | 18 | 25 | 13 | 14 |
| K0155.2081Δ | K | M8 | 50 | 22 | 32 | 17 | 14 |
| K0155.210Δ | K | M10 | 50 | 22 | 32 | 17 | 14 |
| K0155.2121Δ | K | M12 | 50 | 22 | 32 | 17 | 18 |
| K0155.2102Δ | K | M10 | 63 | 26 | 40 | 21 | 14 |
| K0155.212Δ | K | M12 | 63 | 26 | 40 | 21 | 18 |
| K0155.216Δ | K | M16 | 63 | 26 | 40 | 21 | 18 |

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

| Order No. | Form | D1 | D8 | H | H3 | SW | T7 |
|-----------|------|----|----|----|----|----|----|
| K0155.808 | S | 32 | 14 | 20 | 10 | 8 | 5 |
| K0155.810 | S | 40 | 18 | 25 | 13 | 10 | 10 |
| K0155.813 | S | 50 | 22 | 32 | 17 | 13 | 10 |
| K0155.816 | S | 63 | 26 | 40 | 21 | 16 | 15 |

Star grips biopolymer

similar to DIN 6336



Material:

Grip biopolymer.
Bush and screw steel.

Version:

Bush and screw trivalent blue passivated.
Natural beech with beech fibres or coloured black grey.

Sample order:

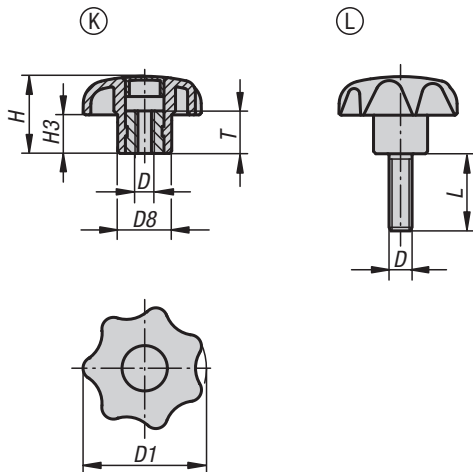
K0155.10406190X15

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).
Conservation of finite fossil resources.
The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

Excellent mechanical stability (certified with a minimum of 2x safety factor).
Biopolymer is suitable for recycling (comparable to thermoplastics).
Suitable for outdoor use (not biodegradable).
Excellent resistance to strong acids and lyes.
Short-term resistance to alcohol, fuel, mineral oil and grease.



Star grips biopolymer

similar to DIN 6336



KIPP Star grips biopolymer similar to DIN 6336, internal thread

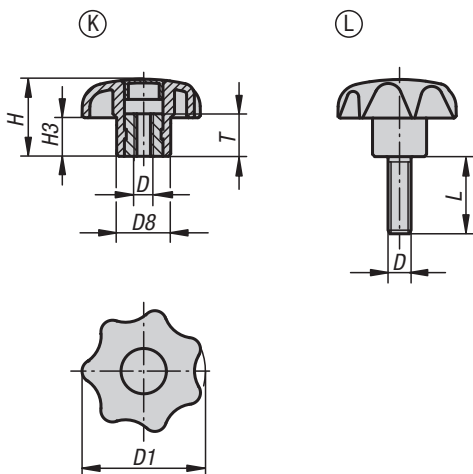
| Order No. | Form | Main colour | D | D1 | D8 | H | H3 | T |
|-----------------|------|---------------------|-----|----|----|----|----|----|
| K0155.102051143 | K | natural beech | M5 | 32 | 14 | 20 | 10 | 10 |
| K0155.10206143 | K | natural beech | M6 | 32 | 14 | 20 | 10 | 10 |
| K0155.10208143 | K | natural beech | M8 | 40 | 18 | 25 | 13 | 14 |
| K0155.102081143 | K | natural beech | M8 | 50 | 22 | 32 | 17 | 14 |
| K0155.102101143 | K | natural beech | M10 | 40 | 18 | 25 | 13 | 14 |
| K0155.10210143 | K | natural beech | M10 | 50 | 22 | 32 | 17 | 14 |
| K0155.102121143 | K | natural beech | M12 | 50 | 22 | 32 | 17 | 18 |
| K0155.10205190 | K | black grey RAL 7021 | M5 | 32 | 14 | 20 | 10 | 10 |
| K0155.1020690 | K | black grey RAL 7021 | M6 | 32 | 14 | 20 | 10 | 10 |
| K0155.1020890 | K | black grey RAL 7021 | M8 | 40 | 18 | 25 | 13 | 14 |
| K0155.10208190 | K | black grey RAL 7021 | M8 | 50 | 22 | 32 | 17 | 14 |
| K0155.10210190 | K | black grey RAL 7021 | M10 | 40 | 18 | 25 | 13 | 14 |
| K0155.1021090 | K | black grey RAL 7021 | M10 | 50 | 22 | 32 | 17 | 14 |
| K0155.10212190 | K | black grey RAL 7021 | M12 | 50 | 22 | 32 | 17 | 18 |

KIPP Star grips biopolymer similar to DIN 6336, external thread

| Order No. | Form | Main colour | D | D1 | D8 | H | H3 | L |
|--------------------|------|---------------------|-----|----|----|----|----|----|
| K0155.104061143X15 | L | natural beech | M6 | 32 | 14 | 20 | 10 | 15 |
| K0155.10408143X20 | L | natural beech | M8 | 32 | 14 | 20 | 10 | 20 |
| K0155.104081143X25 | L | natural beech | M8 | 40 | 18 | 25 | 13 | 25 |
| K0155.10410143X25 | L | natural beech | M10 | 40 | 18 | 25 | 13 | 25 |
| K0155.104101143X25 | L | natural beech | M10 | 50 | 22 | 32 | 17 | 25 |
| K0155.10412143X25 | L | natural beech | M12 | 50 | 22 | 32 | 17 | 25 |
| K0155.10406190X15 | L | black grey RAL 7021 | M6 | 32 | 14 | 20 | 10 | 15 |
| K0155.1040890X20 | L | black grey RAL 7021 | M8 | 32 | 14 | 20 | 10 | 20 |
| K0155.10408190X25 | L | black grey RAL 7021 | M8 | 40 | 18 | 25 | 13 | 25 |
| K0155.1041090X25 | L | black grey RAL 7021 | M10 | 40 | 18 | 25 | 13 | 25 |
| K0155.10410190X25 | L | black grey RAL 7021 | M10 | 50 | 22 | 32 | 17 | 25 |
| K0155.1041290X25 | L | black grey RAL 7021 | M12 | 50 | 22 | 32 | 17 | 25 |

Star grips antibacterial

similar to DIN 6336, metal parts stainless steel



Material:

Thermoplastic, slate grey.
Bush and screw stainless steel 1.4305.

Version:

Bush and screw bright.

Sample order:

K0154.12408144X25

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA).

The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory).

During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

KIPP Star grips antibacterial, similar to DIN 6336, metal parts stainless steel, internal thread, Form K

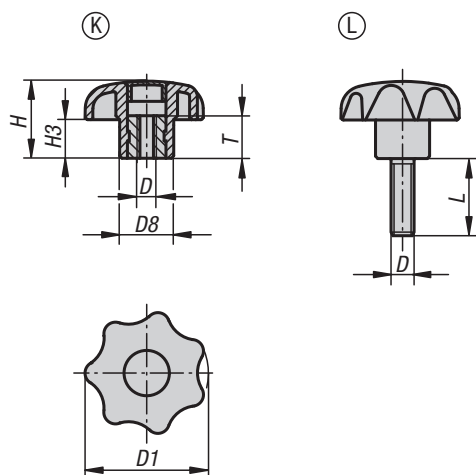
| Order No. | Form | D | D1 | D8 | H | H3 | T |
|----------------|------|----|----|----|----|----|----|
| K0154.12208144 | K | M8 | 40 | 18 | 25 | 13 | 14 |

KIPP Star grips antibacterial, similar to DIN 6336, metal parts stainless steel, external thread, Form L

| Order No. | Form | D | D1 | D8 | H | H3 | L |
|-------------------|------|----|----|----|----|----|----|
| K0154.12408144X25 | L | M8 | 40 | 18 | 25 | 13 | 25 |

Star grips antistatic

similar to DIN 6336



Material:

Thermoplastic, graphite black.
Bush or screw steel 5.8.

Version:

Screw blue passivated.

Sample order:

K0155.1120824

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity. Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc). Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge. These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1. The yellow ESD logo is printed on the side of the product to clearly identify it.

Safety:

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

Target groups:

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

Drawing reference:

Form K: tapped bush, with cap
Form L: external thread

KIPP Star grips antistatic similar to DIN 6336, internal thread, Form K

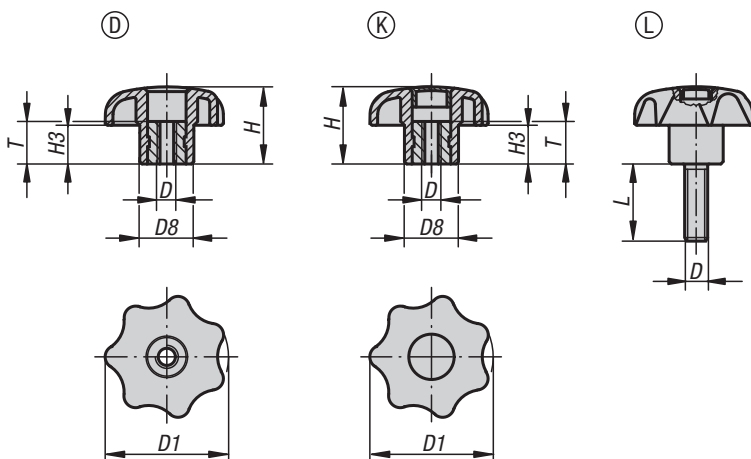
| Order No. | Form | D | D1 | D8 | H | H3 | T |
|---------------|------|----|----|----|----|----|----|
| K0155.1120824 | K | M8 | 40 | 18 | 25 | 13 | 14 |

KIPP Star grips antistatic similar to DIN 6336, external thread, Form L

| Order No. | Form | D | D1 | D8 | H | H3 | L |
|-------------------|------|----|----|----|----|----|----|
| K0155.11408124X25 | L | M8 | 40 | 18 | 25 | 13 | 25 |

Star grips

similar to DIN 6336, metal parts stainless steel



Material:

Black thermoplastic.
Bush and screw stainless steel 1.4305.

Version:

Bush and screw bright.

Sample order:

K0154.4067X30
(cap colour bright yellow; include length L)

Note:

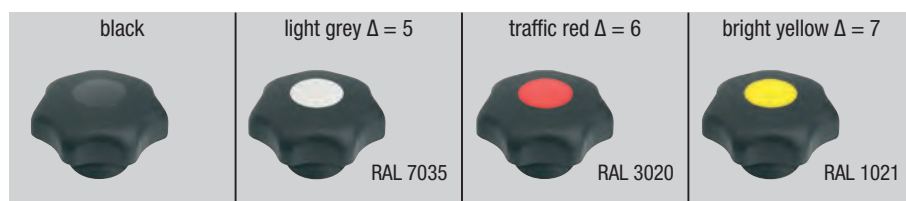
Δ Add the desired cap colour code here. No colour code is required for black caps.

On request:

Other colours or designs, such as company logo.

Drawing reference:

Form D: tapped bush without cap
Form K: tapped bush with cap
Form L: external thread



KIPP Star grips similar to DIN 6336, metal parts stainless steel, internal thread, without cap, Form D

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

KIPP Star grips similar to DIN 6336, metal parts stainless steel, internal thread, with cap, Form K

| Order No. | Form | D | D1 | D8 | H | H3 | T |
|------------|------|-----|----|----|----|----|----|
| K0154.205Δ | K | M5 | 25 | 12 | 16 | 8 | 10 |
| K0154.206Δ | K | M6 | 32 | 14 | 20 | 10 | 10 |
| K0154.208Δ | K | M8 | 40 | 18 | 25 | 13 | 14 |
| K0154.210Δ | K | M10 | 50 | 22 | 32 | 17 | 14 |
| K0154.212Δ | K | M12 | 63 | 26 | 40 | 21 | 18 |

KIPP Star grips similar to DIN 6336 metal parts stainless steel, with external thread, Form L

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



A large grid of graph paper for taking notes.



Star grips



Material:

Fibreglass reinforced thermoplastic.
Tapped bush brass.
Screw steel.

Version:

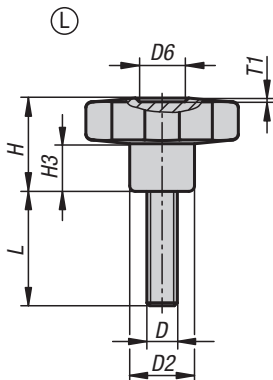
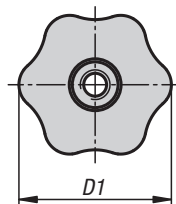
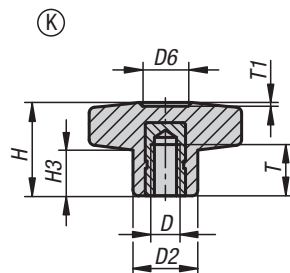
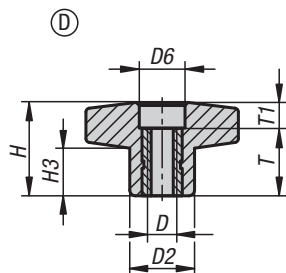
Grip, black.
Screw electro zinc-plated.

Sample order:

K1090.43006X16 (include length L)

Drawing reference:

Form D: tapped bush, without cap
Form K: tapped bush
Form L: external thread





KIPP Form D, tapped bush, without cap

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T | T1 |
|-------------|------|-----|----|----|------|------|------|----|----|
| K1090.53005 | D | M5 | 30 | 15 | 11 | 22 | 11 | 18 | 4 |
| K1090.53006 | D | M6 | 30 | 15 | 11 | 22 | 11 | 18 | 4 |
| K1090.53008 | D | M8 | 30 | 15 | 11 | 22 | 11 | 18 | 4 |
| K1090.54006 | D | M6 | 40 | 17 | 12,5 | 24,5 | 12,5 | 18 | 6 |
| K1090.54008 | D | M8 | 40 | 17 | 12,5 | 24,5 | 12,5 | 18 | 6 |
| K1090.54010 | D | M10 | 40 | 17 | 12,5 | 24,5 | 12,5 | 18 | 6 |
| K1090.55008 | D | M8 | 50 | 20 | 14 | 29 | 15,5 | 18 | 11 |
| K1090.55010 | D | M10 | 50 | 20 | 14 | 29 | 15,5 | 18 | 11 |
| K1090.55012 | D | M12 | 50 | 20 | 14 | 29 | 14 | 18 | 11 |
| K1090.56010 | D | M10 | 60 | 24 | 16,5 | 34 | 18 | 18 | 16 |
| K1090.56012 | D | M12 | 60 | 24 | 16,5 | 34 | 18 | 18 | 16 |

KIPP Form K, tapped bush

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T | T1 |
|-------------|------|-----|----|----|------|------|------|----|-----|
| K1090.23005 | K | M5 | 30 | 15 | 9 | 22 | 11 | 14 | 1,5 |
| K1090.23006 | K | M6 | 30 | 15 | 9 | 22 | 11 | 10 | 1,5 |
| K1090.24006 | K | M6 | 40 | 17 | 12 | 24,5 | 12 | 16 | 1 |
| K1090.24008 | K | M8 | 40 | 17 | 12 | 24,5 | 12 | 14 | 1 |
| K1090.24010 | K | M10 | 40 | 17 | 12 | 24,5 | 12 | 14 | 1 |
| K1090.25008 | K | M8 | 50 | 20 | 14,5 | 29 | 15,5 | 14 | 1,5 |
| K1090.25010 | K | M10 | 50 | 20 | 14,5 | 29 | 15,5 | 14 | 1,5 |
| K1090.25012 | K | M12 | 50 | 20 | 14,5 | 29 | 15,5 | 18 | 1,5 |
| K1090.26010 | K | M10 | 60 | 24 | 18 | 34 | 18 | 21 | 1,5 |
| K1090.26012 | K | M12 | 60 | 24 | 18 | 34 | 18 | 18 | 1,5 |

KIPP Form L, external thread

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T1 | L |
|--------------|------|-----|----|----|------|------|------|-----|-------------|
| K1090.43006X | L | M6 | 30 | 15 | 9 | 22 | 11 | 1,5 | 16/20/30 |
| K1090.43008X | L | M8 | 30 | 15 | 9 | 22 | 11 | 1,5 | 16/20/30/40 |
| K1090.44006X | L | M6 | 40 | 17 | 12 | 24,5 | 12,5 | 1 | 16/20/30/40 |
| K1090.44008X | L | M8 | 40 | 17 | 12 | 24,5 | 12,5 | 1 | 20/30/40/50 |
| K1090.45008X | L | M8 | 50 | 20 | 14,5 | 29 | 15 | 1,5 | 20/30/40 |
| K1090.45010X | L | M10 | 50 | 20 | 14,5 | 29 | 15 | 1,5 | 20/30/40/50 |
| K1090.46010X | L | M10 | 60 | 24 | 18 | 34 | 18 | 1,5 | 20/30/40/50 |
| K1090.46012X | L | M12 | 60 | 24 | 18 | 34 | 18 | 1,5 | 20/30/40/50 |

Star grips with safety cable

similar to DIN 6336



Material:

Grip thermoplastic.
Bush and screw steel.
Safety cable elastic TPU.

Version:

Bush and screw trivalent blue passivated.

Sample order:

K0155.7056X15
(cap colour traffic red; include length L)

Note:

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

Attach the safety cable to a base to make the star grip unlosable. The star grip cannot be moved far from the object to which it belongs, simplifying screwing and unscrewing of the grip and ensuring against loss.

Assembly:

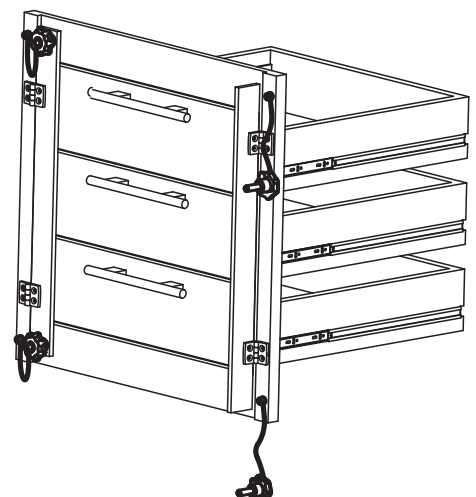
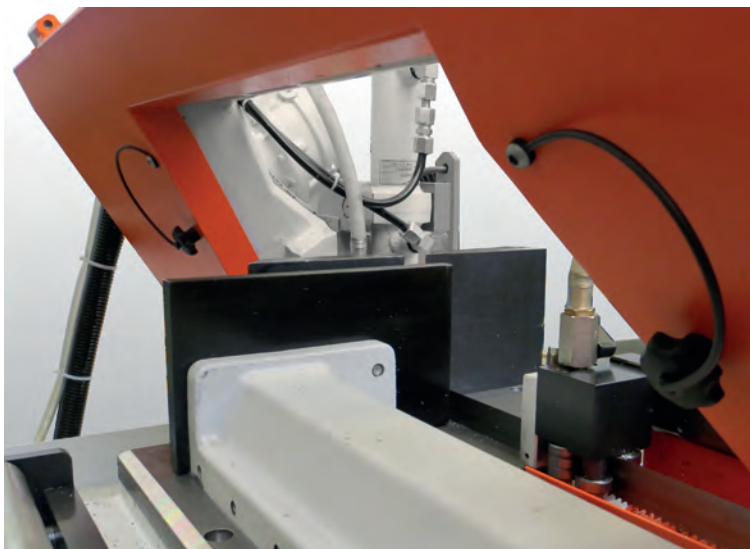
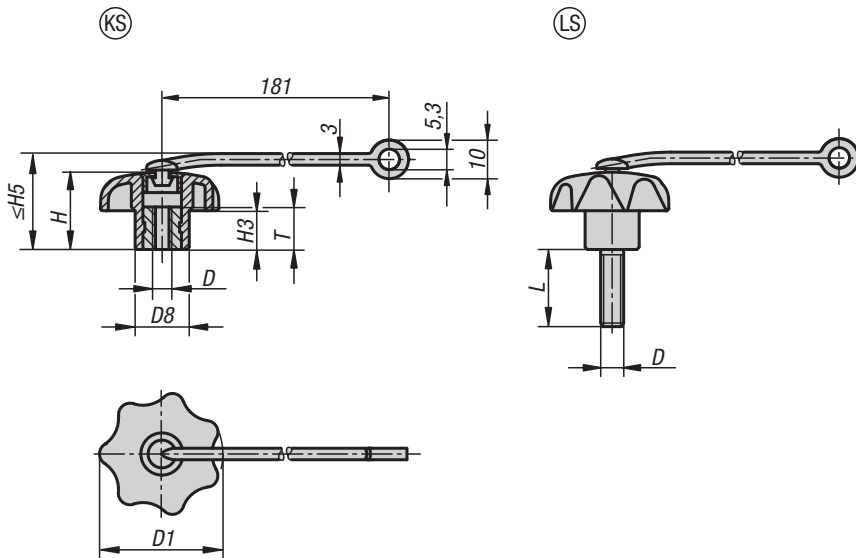
Do not stretch the band during assembly.
Make sure that the anchor is not too far from where
the star grip is to be used.

Accessories:

The safety cable is also available as an accessory, see K0743.04190.

Drawing reference:

Form KS: tapped bush, with cap
Form LS: male thread



Star grips with safety cable

similar to DIN 6336



KIPP Star grips with safety cable, female thread, Form KS

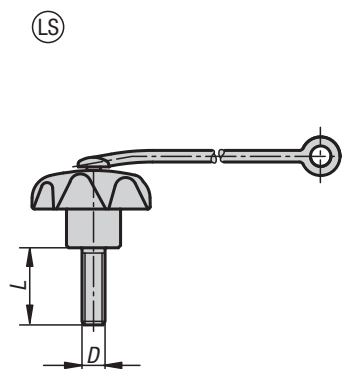
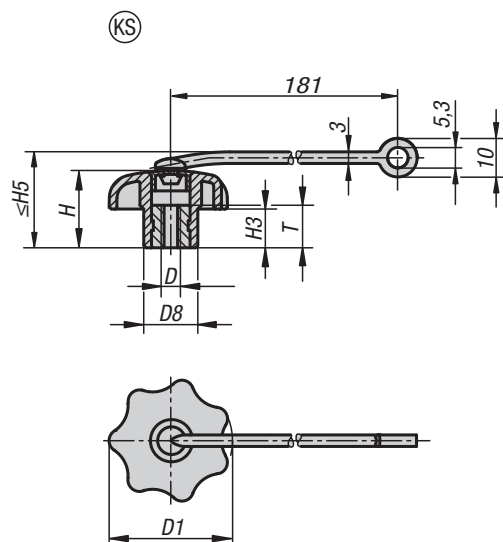
| Order No. | Form | D | D1 | D8 | H | H3 | H5 max. | T |
|-------------|------|-----|----|----|----|----|---------|----|
| K0155.604Δ | KS | M4 | 25 | 12 | 16 | 8 | 22 | 10 |
| K0155.605Δ | KS | M5 | 25 | 12 | 16 | 8 | 22 | 10 |
| K0155.6061Δ | KS | M6 | 25 | 12 | 16 | 8 | 22 | 10 |
| K0155.6051Δ | KS | M5 | 32 | 14 | 20 | 10 | 26 | 10 |
| K0155.606Δ | KS | M6 | 32 | 14 | 20 | 10 | 26 | 10 |
| K0155.608Δ | KS | M8 | 40 | 18 | 25 | 13 | 31 | 14 |
| K0155.6101Δ | KS | M10 | 40 | 18 | 25 | 13 | 31 | 14 |
| K0155.6081Δ | KS | M8 | 50 | 22 | 32 | 17 | 38 | 14 |
| K0155.610Δ | KS | M10 | 50 | 22 | 32 | 17 | 38 | 14 |
| K0155.6121Δ | KS | M12 | 50 | 22 | 32 | 17 | 38 | 14 |
| K0155.6102Δ | KS | M10 | 63 | 26 | 40 | 21 | 46 | 14 |
| K0155.612Δ | KS | M12 | 63 | 26 | 40 | 21 | 46 | 14 |
| K0155.616Δ | KS | M16 | 63 | 26 | 40 | 21 | 46 | 14 |

KIPP Star grips with safety cable, male thread, Form LS

| Order No. | Form | D | D1 | D8 | H | H3 | H5 max. | L |
|--------------|------|-----|----|----|----|----|---------|-------------------------------|
| K0155.705ΔX | LS | M5 | 25 | 12 | 16 | 8 | 22 | 10/15/20/25/30/35/40/45/50/60 |
| K0155.706ΔX | LS | M6 | 25 | 12 | 16 | 8 | 22 | 10/15/20/25/30/35/40/45/50/60 |
| K0155.7061ΔX | LS | M6 | 32 | 14 | 20 | 10 | 26 | 10/15/20/25/30/35/40/45/50/60 |
| K0155.708ΔX | LS | M8 | 32 | 14 | 20 | 10 | 26 | 15/20/25/30/35/40/45/50/60 |
| K0155.7081ΔX | LS | M8 | 40 | 18 | 25 | 13 | 31 | 15/20/25/30/35/40/45/50/60 |
| K0155.710ΔX | LS | M10 | 40 | 18 | 25 | 13 | 31 | 15/20/25/30/35/40/45/50/60 |
| K0155.7101ΔX | LS | M10 | 50 | 22 | 32 | 17 | 38 | 15/20/25/30/35/40/45/50/60 |
| K0155.712ΔX | LS | M12 | 50 | 22 | 32 | 17 | 38 | 15/20/25/30/35/40/45/50/60 |
| K0155.7102ΔX | LS | M10 | 63 | 26 | 40 | 21 | 46 | 20/25/30/35/40/45/50/60 |
| K0155.7121ΔX | LS | M12 | 63 | 26 | 40 | 21 | 46 | 20/25/30/35/40/45/50/60 |
| K0155.716ΔX | LS | M16 | 63 | 26 | 40 | 21 | 46 | 30/35/40/45/50/60 |

Star grips with safety cable

similar to DIN 6336, metal parts stainless steel



Grip thermoplastic.

Bush and screw stainless steel 1.4305.

Safety cable elastic TPU.

Bush and screw bright.

K0154.7056X15

(cap colour traffic red; include length L)

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

Attach the safety cable to a base to make the star grip unlosable.

The star grip cannot be moved far from the object to which it belongs, simplifying screwing and unscrewing of the grip and ensuring against loss.

Do not stretch the band during assembly.

Make sure that the anchor is not too far from where the star grip is to be used.

The safety cable is also available as an accessory, see K0743.04190.

Form KS: tapped bush, with cap

Form LS: male thread



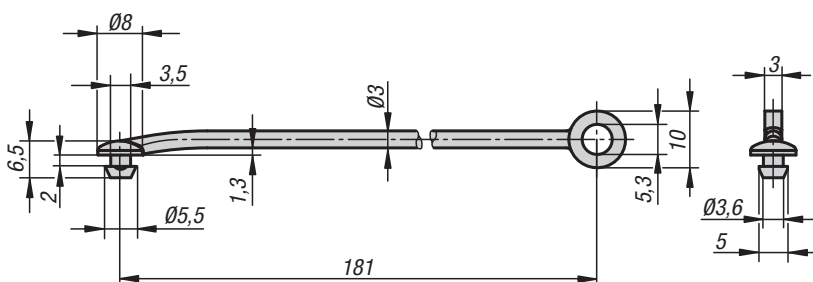
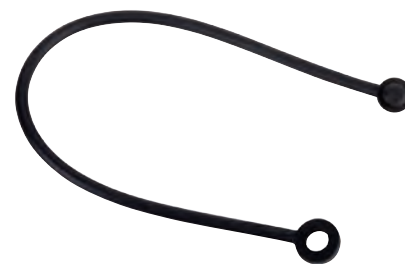
KIPP Star grips with safety cable, metal parts stainless steel, internal thread, Form KS

| Order No. | Form | D | D1 | D8 | H | H3 | H5 max. | T |
|------------|------|-----|----|----|----|----|---------|----|
| K0154.605Δ | KS | M5 | 25 | 12 | 16 | 8 | 22 | 10 |
| K0154.606Δ | KS | M6 | 32 | 14 | 20 | 10 | 26 | 10 |
| K0154.608Δ | KS | M8 | 40 | 18 | 25 | 13 | 31 | 14 |
| K0154.610Δ | KS | M10 | 50 | 22 | 32 | 17 | 38 | 14 |
| K0154.612Δ | KS | M12 | 63 | 26 | 40 | 21 | 46 | 18 |

KIPP Star grips with safety cable, metal parts stainless steel, external thread, Form LS

| Order No. | Form | D | D1 | D8 | H | H3 | H5 max. | L |
|-------------|------|-----|----|----|----|----|------------|-------------------|
| K0154.705ΔX | LS | M5 | 25 | 12 | 16 | 8 | 22 | 15/20 |
| K0154.706ΔX | LS | M6 | 32 | 14 | 20 | 10 | 26 | 20/30 |
| K0154.708ΔX | LS | M8 | 40 | 18 | 25 | 13 | 31 | 15/20/25/30/40/60 |
| K0154.710ΔX | LS | M10 | 50 | 22 | 32 | 17 | 38 | 25/30/40/50/60 |

Safety cable



Material:

Thermoplastic urethane TPU.

Sample order:

K0743.04190

Note:

This safety cable has a high breaking strain and good elasticity.

It was especially conceived for the star grips K0154, K0155 to make them unlosable operating parts.

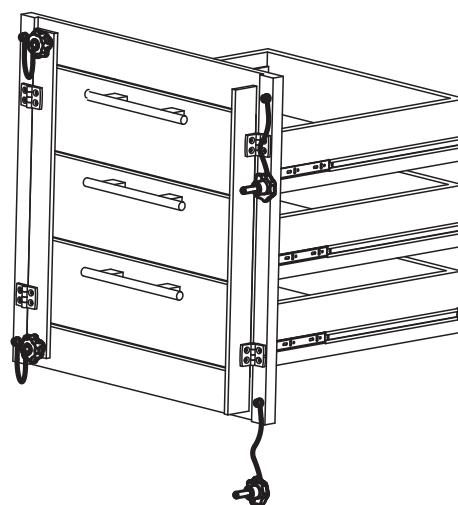
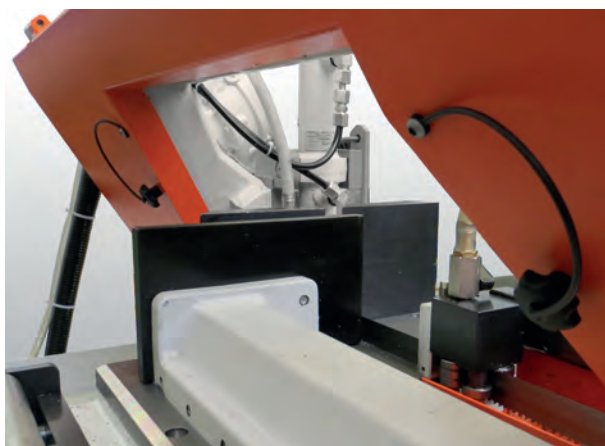
Star grips K0154, K0155 and the knurled knobs K0260/K0261 and K0247 from our range can be retrofitted with this lanyard.

Assembly:

Recommended hole $\varnothing 3.8_{-0.1}$. The hole edge should be deburred. A Teflon based lubrication is recommended to aid assembly.

On request:

Can be combined with other products.



KIPP Safety cable

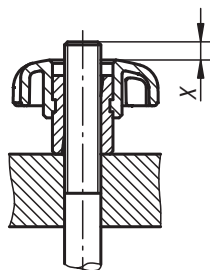
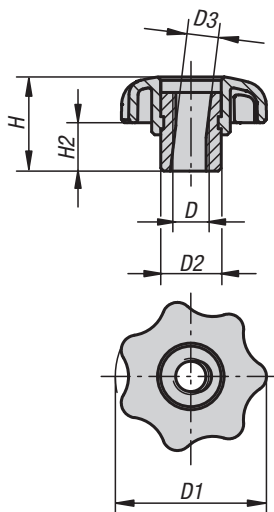
Order No.

Dimensions

K0743.04190

see drawing

Star grips quick-acting

**Material:**

Black thermoplastic.
Bush steel.

Version:

Bush trivalent blue passivated

Sample order:

K0156.06

Note:

Quick-acting star grips can be used on all fixtures that do not require a high clamping force.
Tilt the grip to slide on, then straighten it to engage the threads.

Drawing reference:

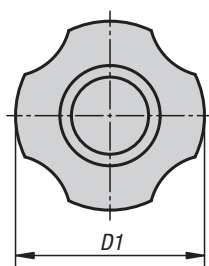
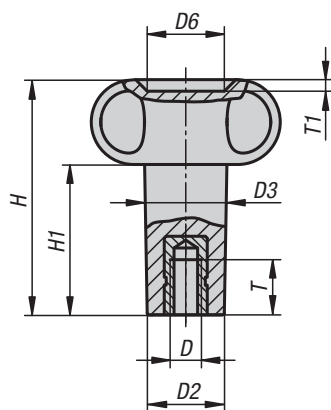
X: The stud should be several mm longer than height "H1"

KIPP Star grips quick-acting

| Order No. | D | D1 | D2 | D3 | H | H2 |
|-----------|-----|----|------|------|------|----|
| K0156.05 | M5 | 25 | 10 | 5,2 | 16,6 | 9 |
| K0156.06 | M6 | 32 | 13,5 | 6,2 | 20,6 | 11 |
| K0156.08 | M8 | 40 | 13,5 | 8,3 | 24,5 | 13 |
| K0156.10 | M10 | 50 | 19 | 10,3 | 31,2 | 17 |
| K0156.12 | M12 | 63 | 19 | 12,7 | 39,3 | 21 |

Star grips

with extended hub



Material:

Fibreglass reinforced thermoplastic.
Tapped bush brass.

Version:

black.

Sample order:

K1088.2410685

KIPP Star grips with extended hub

| Order No. | D | D1 | D2 | D3 | D6 | H | H1 | T | T1 |
|---------------|-----|----|------|------|----|----|----|----|-----|
| K1088.2410685 | M6 | 41 | 14,8 | 15,5 | 12 | 85 | 66 | 18 | 3 |
| K1088.2520861 | M8 | 52 | 17,5 | 19 | 14 | 61 | 39 | 15 | 2,5 |
| K1088.2521071 | M10 | 52 | 18 | 20,5 | 14 | 71 | 49 | 15 | 2,5 |

Five lobe grips



Material:

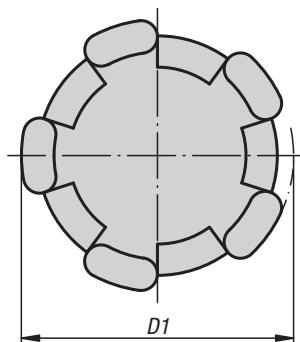
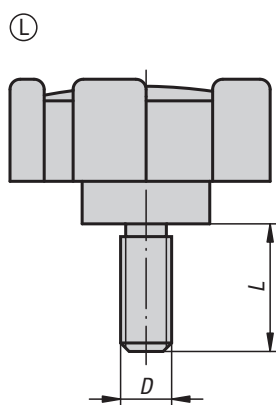
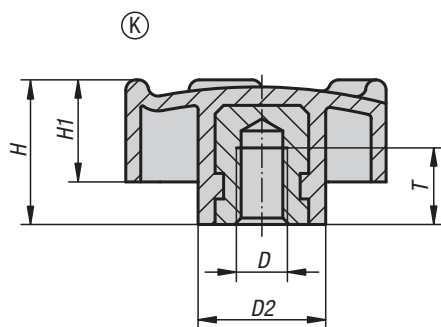
Grip black grey thermoplastic.
Bush steel or brass.
Screw 5.8 steel.

Version:

Steel bush electro zinc-plated.
Screw trivalent blue passivated.

Sample order:

K0276.3206



KIPP Five lobe grips with internal thread

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|----|----|------|------|----|
| K0276.3206 | K | M6 | 32 | 15 | 17 | 12 | 9 |
| K0276.4008 | K | M8 | 40 | 18 | 20,5 | 14,5 | 11 |
| K0276.5010 | K | M10 | 50 | 20 | 25 | 18 | 14 |

KIPP Five lobe grips with external thread

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

Triangular grips

**Material:**

Grip glass-bead reinforced thermoplastic.

Cap thermoplastic.

Steel parts grade 5.8.

Version:

Grip and cap black grey (RAL 7021).

Steel parts blue-passivated.

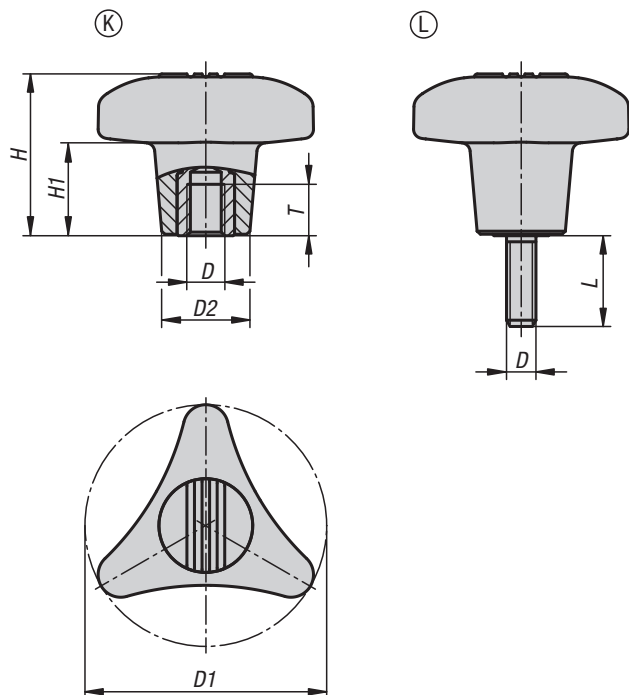
Sample order:

K1020.18010X15 (include length L)

On request:

Other screw lengths and colours.

Metal parts stainless steel.



KIPP Triangular grips, internal thread

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|-------------|------|-----|----|------|------|----|----|
| K1020.18008 | K | M8 | 80 | 29,2 | 53,5 | 31 | 17 |
| K1020.18010 | K | M10 | 80 | 29,2 | 53,5 | 31 | 17 |
| K1020.18012 | K | M12 | 80 | 29,2 | 53,5 | 31 | 17 |

KIPP Triangular grips, external thread

| Order No. | Form | D | D1 | D2 | H | H1 | L |
|--------------|------|-----|----|------|------|----|----------------|
| K1020.18008X | L | M8 | 80 | 29,2 | 53,5 | 31 | 15/20/30/40/50 |
| K1020.18010X | L | M10 | 80 | 29,2 | 53,5 | 31 | 15/20/30/40/50 |
| K1020.18012X | L | M12 | 80 | 29,2 | 53,5 | 31 | 15/20/30/40/50 |

Triangular grips

with high collar


Material:

Black thermoset PF 31.

Bush and screw electro zinc-plated steel or bright stainless steel.

Version:

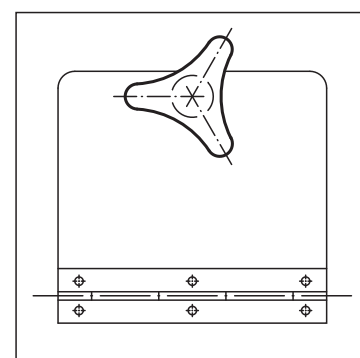
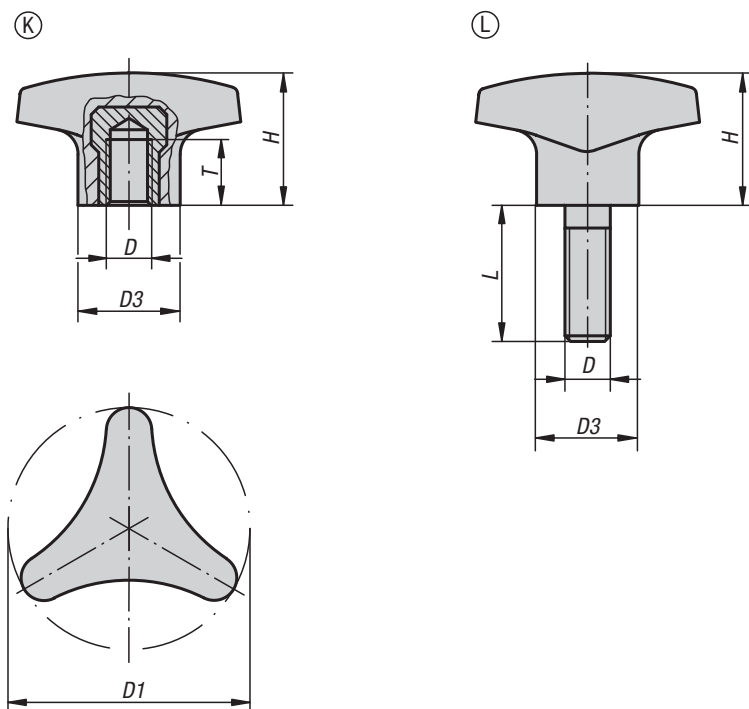
High-gloss polished.

Sample order:

K0183.14008X20

On request:

Other screw sizes, screw lengths and colours.



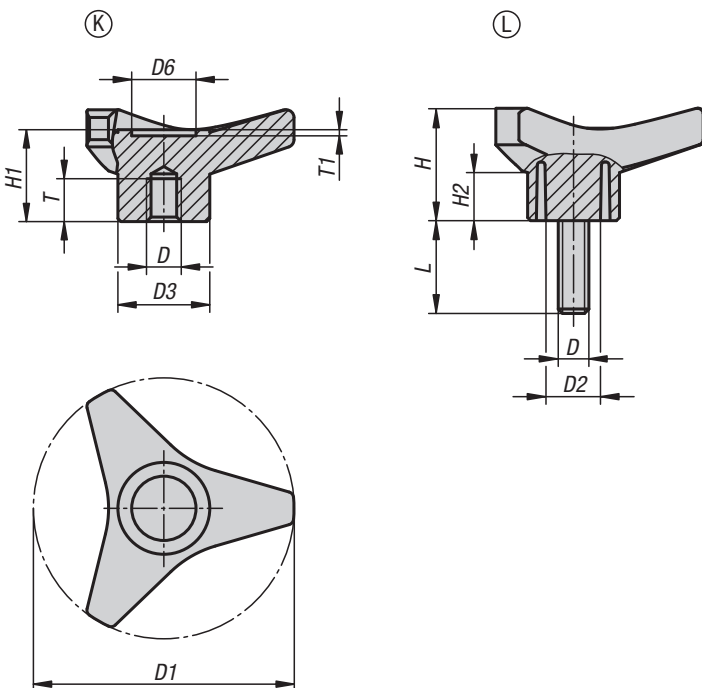
KIPP Triangular grips with high collar, internal thread

| Order No. | Form | Component material | D | D1 | D3 | H | T |
|-------------|------|--------------------|-----|----|----|----|----|
| K0183.14006 | K | steel | M6 | 40 | 14 | 22 | 12 |
| K0183.15008 | K | steel | M8 | 50 | 18 | 28 | 14 |
| K0183.16210 | K | steel | M10 | 62 | 22 | 35 | 14 |
| K0183.24006 | K | stainless steel | M6 | 40 | 12 | 22 | 9 |
| K0183.25008 | K | stainless steel | M8 | 50 | 15 | 28 | 13 |
| K0183.26210 | K | stainless steel | M10 | 62 | 18 | 35 | 13 |

KIPP Triangular grips with high collar, external thread

| Order No. | Form | Component material | D | D1 | D3 | H | L |
|----------------|------|--------------------|-----|----|----|----|----|
| K0183.14006X15 | L | steel | M6 | 40 | 14 | 22 | 15 |
| K0183.14008X20 | L | steel | M8 | 40 | 14 | 22 | 20 |
| K0183.15008X20 | L | steel | M8 | 50 | 18 | 28 | 20 |
| K0183.15010X25 | L | steel | M10 | 50 | 22 | 28 | 25 |
| K0183.16210X25 | L | steel | M10 | 62 | 22 | 35 | 25 |
| K0183.24006X20 | L | stainless steel | M6 | 40 | 12 | 22 | 20 |
| K0183.24008X20 | L | stainless steel | M8 | 40 | 12 | 22 | 20 |
| K0183.25008X20 | L | stainless steel | M8 | 50 | 15 | 28 | 20 |
| K0183.25010X30 | L | stainless steel | M10 | 50 | 15 | 28 | 30 |
| K0183.26210X30 | L | stainless steel | M10 | 62 | 18 | 35 | 30 |

Triangular grips



Material:

Fibreglass reinforced thermoplastic.
Tapped bush brass.
Screw steel.

Version:

Grip, black.
Screw electro zinc-plated.

Sample order:

K1083.48510X20

KIPP Triangular grips with internal thread

| Order No. | Form | D | D1 | D3 | D6 | H | H1 | H2 | T | T1 |
|--------------|------|-----|-----|----|------|----|------|------|----|-----|
| K1083.24506 | K | M6 | 45 | 16 | 11 | 21 | 18 | 10 | 9 | 1 |
| K1083.26508 | K | M8 | 65 | 22 | 15,5 | 28 | 23,5 | 11,5 | 11 | 1,5 |
| K1083.26510 | K | M10 | 65 | 22 | 15,5 | 28 | 23,5 | 11,5 | 11 | 1,5 |
| K1083.28510 | K | M10 | 85 | 30 | 21 | 37 | 30,5 | 16 | 14 | 2 |
| K1083.28512 | K | M12 | 85 | 30 | 21 | 37 | 30,5 | 16 | 19 | 2 |
| K1083.210512 | K | M12 | 105 | 35 | 25 | 46 | 37,5 | 19 | 17 | 2 |
| K1083.210514 | K | M14 | 105 | 35 | 25 | 46 | 37,5 | 19 | 19 | 2 |

KIPP Triangular grips with external thread

| Order No. | Form | D | D1 | D2 | D3 | D6 | H | H1 | H2 | L | T1 |
|-----------------|------|-----|-----|----|----|----|----|------|----|----|----|
| K1083.48508X20 | L | M8 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 20 | 2 |
| K1083.48508X30 | L | M8 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 30 | 2 |
| K1083.48510X20 | L | M10 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 20 | 2 |
| K1083.48510X30 | L | M10 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 30 | 2 |
| K1083.48512X20 | L | M12 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 20 | 2 |
| K1083.48512X40 | L | M12 | 85 | 18 | 30 | 21 | 37 | 30,5 | 16 | 40 | 2 |
| K1083.410512X30 | L | M12 | 105 | 20 | 35 | 25 | 46 | 37,5 | 19 | 30 | 2 |
| K1083.410512X50 | L | M12 | 105 | 20 | 35 | 25 | 46 | 37,5 | 19 | 50 | 2 |

Triangular grips ergonomic


Material:

Hard components fibreglass reinforced plastic.
Soft components thermoplastic elastomer.
Bush or screw, steel grade 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:

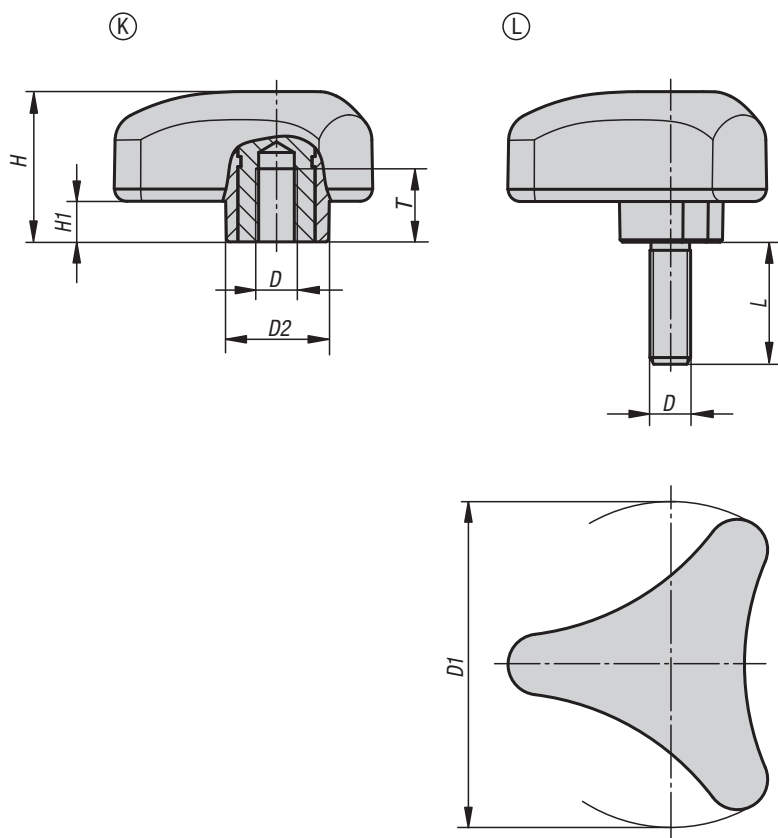
K0785.8008X20

Note:

The colour combination
black grey RAL 7021 (hard components) and
black grey RAL 7021 (soft components)
are supplied as standard.

On request:

Other versions.



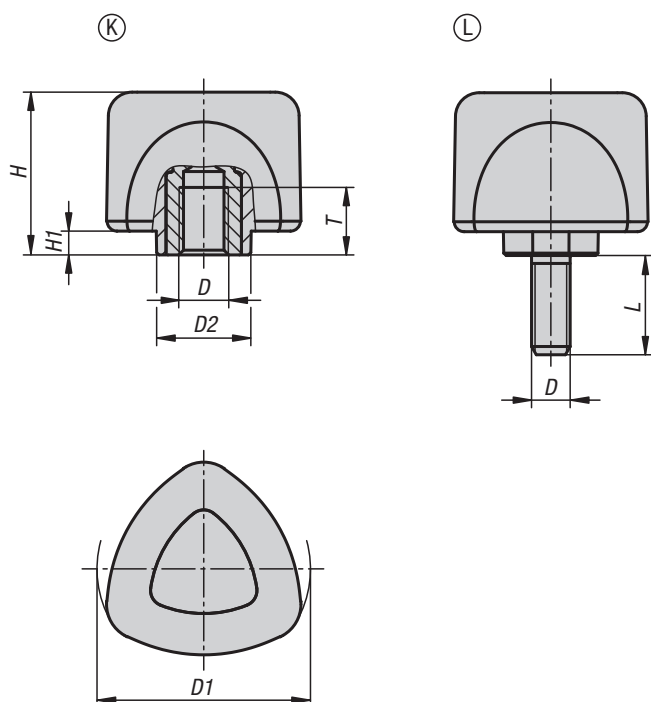
KIPP Triangular grips ergonomic with internal thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | T |
|-------------|------|--------------------|-----|----|----|----|----|----|
| K0785.8008 | K | steel | M8 | 80 | 26 | 37 | 10 | 17 |
| K0785.8010 | K | steel | M10 | 80 | 26 | 37 | 10 | 17 |
| K0785.8012 | K | steel | M12 | 80 | 26 | 37 | 10 | 17 |
| K0785.08008 | K | stainless steel | M8 | 80 | 26 | 37 | 10 | 17 |
| K0785.08010 | K | stainless steel | M10 | 80 | 26 | 37 | 10 | 17 |
| K0785.08012 | K | stainless steel | M12 | 80 | 26 | 37 | 10 | 17 |

KIPP Triangular grips ergonomic with external thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | L |
|--------------|------|--------------------|-----|----|----|----|----|-------------|
| K0785.8008X | L | steel | M8 | 80 | 26 | 37 | 10 | 20/25/30/40 |
| K0785.8010X | L | steel | M10 | 80 | 26 | 37 | 10 | 30/40/50 |
| K0785.8012X | L | steel | M12 | 80 | 26 | 37 | 10 | 30/40/50/60 |
| K0785.08008X | L | stainless steel | M8 | 80 | 26 | 37 | 10 | 20/25/30/40 |
| K0785.08010X | L | stainless steel | M10 | 80 | 26 | 37 | 10 | 30/40/50 |
| K0785.08012X | L | stainless steel | M12 | 80 | 26 | 37 | 10 | 30/40/50/60 |

Triangular grips 2K ergonomic



Material:

Hard components fibreglass reinforced plastic.
Soft components thermoplastic elastomer.
Bush or screw, steel grade 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:

K0980.5008X20

Note:

The colour combinations
graphite black RAL 9011 (hard components) and
black grey RAL 7021 (soft components)
are supplied as standard.

The soft components ensure a non-slip grip of the
operating part. The closed design offers sufficient
protection against dirt.

On request:

Further colour combinations.

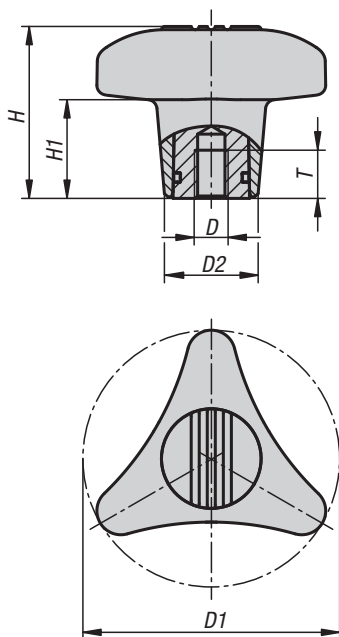
KIPP Internal thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | T |
|-------------|------|--------------------|-----|------|------|----|----|----|
| K0980.5008 | K | steel | M8 | 53,8 | 23,9 | 41 | 6 | 17 |
| K0980.5010 | K | steel | M10 | 53,8 | 23,9 | 41 | 6 | 17 |
| K0980.6308 | K | steel | M8 | 67,7 | 23,9 | 36 | 6 | 17 |
| K0980.6310 | K | steel | M10 | 67,7 | 23,9 | 36 | 6 | 17 |
| K0980.05008 | K | stainless steel | M8 | 53,8 | 23,9 | 41 | 6 | 17 |
| K0980.05010 | K | stainless steel | M10 | 53,8 | 23,9 | 41 | 6 | 17 |
| K0980.06308 | K | stainless steel | M8 | 67,7 | 23,9 | 36 | 6 | 17 |
| K0980.06310 | K | stainless steel | M10 | 67,7 | 23,9 | 36 | 6 | 17 |

KIPP External thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | L |
|--------------|------|--------------------|-----|------|------|----|----|-------------|
| K0980.5008X | L | steel | M8 | 53,8 | 23,9 | 41 | 6 | 20/25/30/40 |
| K0980.5010X | L | steel | M10 | 53,8 | 23,9 | 41 | 6 | 20/25/30/40 |
| K0980.6308X | L | steel | M8 | 67,7 | 23,9 | 36 | 6 | 20/25/30/40 |
| K0980.6310X | L | steel | M10 | 67,7 | 23,9 | 36 | 6 | 20/25/30/40 |
| K0980.05008X | L | stainless steel | M8 | 53,8 | 23,9 | 41 | 6 | 20/25/30/40 |
| K0980.05010X | L | stainless steel | M10 | 53,8 | 23,9 | 41 | 6 | 20/25/30/40 |
| K0980.06308X | L | stainless steel | M8 | 67,7 | 23,9 | 36 | 6 | 20/25/30/40 |
| K0980.06310X | L | stainless steel | M10 | 67,7 | 23,9 | 36 | 6 | 20/25/30/40 |

Triangular torque grips


Material:

Grip glass-bead reinforced thermoplastic.

Cap thermoplastic.

Metal parts hardened stainless steel.

Version:

Grip and cap, black grey (RAL 7021).

Stainless steel parts, electropolished.

Sample order:

K1019.180105

Note:

An audible click signals when the maximum torque has been reached. The grip can only be tightened with the maximum torque specified in the table.

On request:

Other internal threads, maximum torques and colours.

KIPP Triangular torque grips

| Order No. | D | D1 | D2 | H | H1 | T | Torque Nm |
|--------------|-----|----|------|------|----|----|-----------|
| K1019.180085 | M8 | 80 | 29,2 | 53,5 | 31 | 13 | 5 |
| K1019.180105 | M10 | 80 | 29,2 | 53,5 | 31 | 13 | 5 |
| K1019.180125 | M12 | 80 | 29,2 | 53,5 | 31 | 13 | 5 |



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



Four lobe grips flat



Extraordinary gripping safety combined with attractive design are key elements to outstanding functionality. The flat construction make these four lobe grips suitable for low working spaces.

Material, version:

Grip hard black thermoplastic.
Coating, soft thermoplastic, black.
Female thread electro zinc-plated brass.
Screw grade 5.8 electro zinc-plated steel

Sample order:

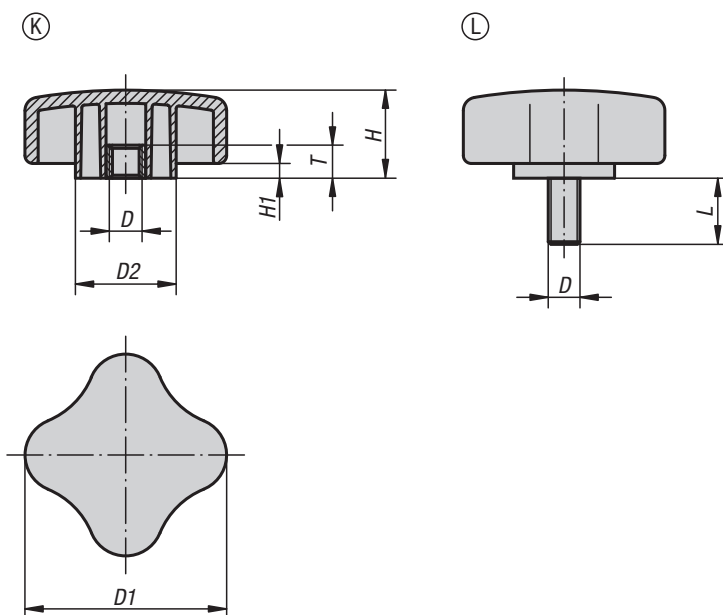
K0278.3506X20 (include length L)

Note:

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

On request:

Other screw sizes, screw lengths, versions and colours.



Four lobe grips flat



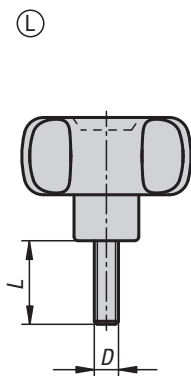
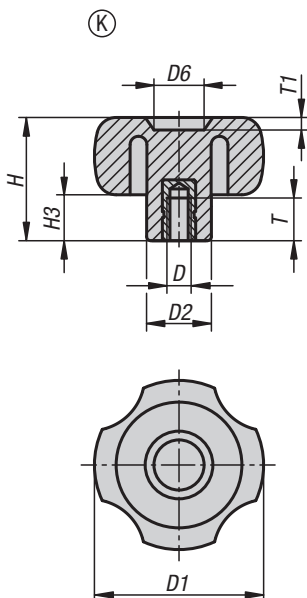
KIPP Four lobe grips, flat, with internal thread

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|------|------|------|-----|------|
| K0278.3505 | K | M5 | 35,5 | 14,2 | 15,5 | 2,8 | 12,5 |
| K0278.3506 | K | M6 | 35,5 | 14,2 | 15,5 | 2,8 | 12,5 |
| K0278.4405 | K | M5 | 44,5 | 17,5 | 19,3 | 3,3 | 12,5 |
| K0278.4406 | K | M6 | 44,5 | 17,5 | 19,3 | 3,3 | 12,5 |
| K0278.4408 | K | M8 | 44,5 | 17,5 | 19,3 | 3,3 | 12,5 |
| K0278.4410 | K | M10 | 44,5 | 17,5 | 19,3 | 3,3 | 12,5 |
| K0278.5005 | K | M5 | 50,8 | 23,6 | 22,1 | 3,8 | 12,5 |
| K0278.5006 | K | M6 | 50,8 | 23,6 | 22,1 | 3,8 | 12,5 |
| K0278.5008 | K | M8 | 50,8 | 23,6 | 22,1 | 3,8 | 12,5 |
| K0278.5010 | K | M10 | 50,8 | 23,6 | 22,1 | 3,8 | 12,5 |
| K0278.6306 | K | M6 | 63,5 | 31,7 | 27,7 | 4,6 | 12,5 |
| K0278.6308 | K | M8 | 63,5 | 31,7 | 27,7 | 4,6 | 12,5 |
| K0278.6310 | K | M10 | 63,5 | 31,7 | 27,7 | 4,6 | 12,5 |
| K0278.6312 | K | M12 | 63,5 | 31,7 | 27,7 | 4,6 | 12,5 |
| K0278.7608 | K | M8 | 76,2 | 38,1 | 33,3 | 5,6 | 12,5 |
| K0278.7610 | K | M10 | 76,2 | 38,1 | 33,3 | 5,6 | 12,5 |
| K0278.7612 | K | M12 | 76,2 | 38,1 | 33,3 | 5,6 | 12,5 |

KIPP Flat four lobe grips, flat, with external thread

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

Four lobe grips



Material:

Fibreglass reinforced thermoplastic.

Tapped bush brass.

Screw steel.

Version:

Grip, black.

Screw electro zinc-plated.

Sample order:

K1093.43006X20 (include length L)

KIPP Four lobe grips with internal thread

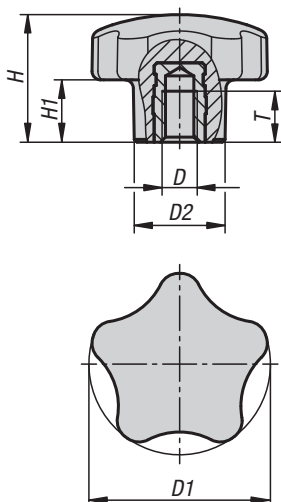
| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T | T1 |
|-------------|------|-----|------|------|------|------|-----|----|-----|
| K1093.23006 | K | M6 | 30 | 15 | 12 | 23 | 9,5 | 10 | 2 |
| K1093.24006 | K | M6 | 40,5 | 15,5 | 12 | 29,5 | 11 | 10 | 3 |
| K1093.24008 | K | M8 | 40,5 | 15 | 12 | 27,5 | 11 | 14 | 3 |
| K1093.25208 | K | M8 | 50 | 20,5 | 14,5 | 32,5 | 11 | 14 | 2,5 |
| K1093.25210 | K | M10 | 50 | 20,5 | 14,5 | 32,5 | 11 | 13 | 2,5 |
| K1093.26010 | K | M10 | 59 | 23 | 24 | 40 | 15 | 14 | 4 |
| K1093.26012 | K | M12 | 59 | 23 | 24 | 40 | 15 | 18 | 4 |

KIPP Four lobe grips with external thread

| Order No. | Form | D | D1 | D2 | D6 | H | H3 | T1 | L |
|--------------|------|-----|------|------|------|------|-----|-----|----------------|
| K1093.43006X | L | M6 | 30 | 15 | 12 | 23 | 9,5 | 2 | 16/20/30/40/50 |
| K1093.44006X | L | M6 | 40,5 | 15,5 | 12 | 29,5 | 11 | 3 | 16/20 |
| K1093.44008X | L | M8 | 40,5 | 15 | 12 | 29,5 | 11 | 3 | 20/30/40 |
| K1093.45208X | L | M8 | 50 | 20,5 | 14,5 | 32,5 | 11 | 2,5 | 16/20/30/40/50 |
| K1093.46010X | L | M10 | 59 | 23 | 24 | 40 | 15 | 4 | 20/30/40/50 |
| K1093.46012X | L | M12 | 59 | 23 | 24 | 40 | 15 | 4 | 50 |
| K1093.48010X | L | M10 | 79 | 30 | 21 | 41 | 17 | 3 | 30/50 |
| K1093.48012X | L | M12 | 79 | 30 | 21 | 41 | 17 | 3 | 50 |

Five lobe grips

with internal thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

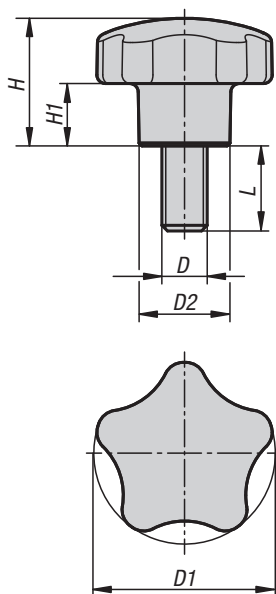
K1297.3205

KIPP Five lobe grips with internal thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | H | H1 | T |
|--------------------|------------------------------|-----|----|----|------|------|-----|
| K1297.3205 | K1297.13205 | M5 | 32 | 16 | 22,5 | 11 | 7,5 |
| K1297.3206 | K1297.13206 | M6 | 32 | 16 | 22,5 | 11 | 9 |
| K1297.4006 | K1297.14006 | M6 | 40 | 20 | 28 | 14 | 9 |
| K1297.4008 | K1297.14008 | M8 | 40 | 20 | 28 | 14 | 12 |
| K1297.4010 | K1297.14010 | M10 | 40 | 20 | 28 | 14 | 15 |
| K1297.5008 | K1297.15008 | M8 | 50 | 25 | 35 | 17,5 | 12 |
| K1297.5010 | K1297.15010 | M10 | 50 | 25 | 35 | 17,5 | 15 |
| K1297.6012 | K1297.16012 | M12 | 60 | 30 | 37 | 18,5 | 18 |

Five lobe grips

with external thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

K1298.3206X10 (include length L)

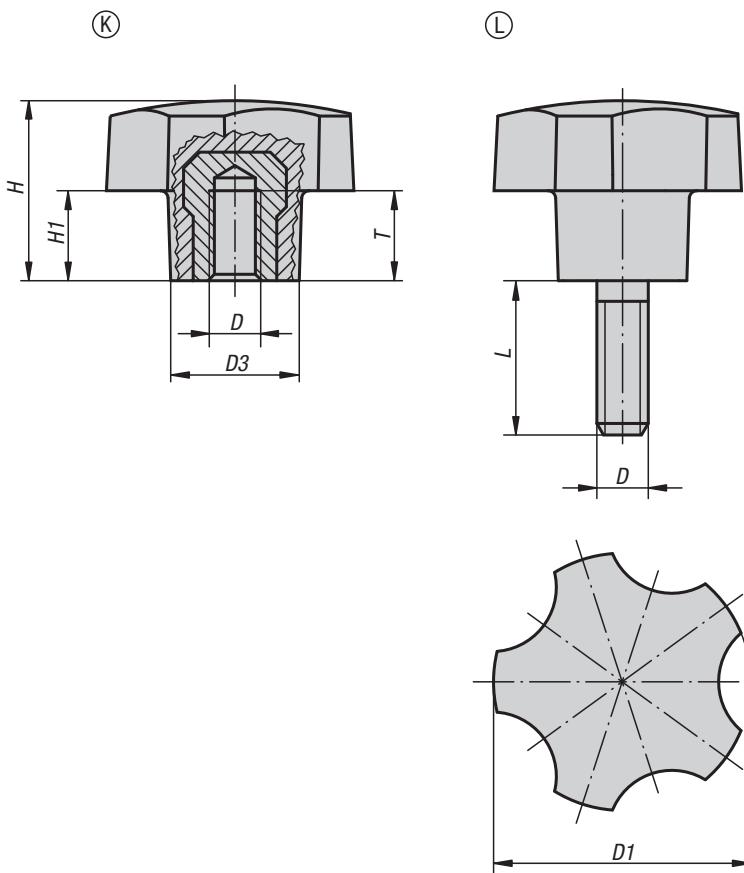
On request:

Other screw lengths.

KIPP Five lobe grips with external thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | H | H1 | L |
|--------------------|------------------------------|-----|----|----|------|------|-------------------|
| K1298.3206X | K1298.13206X | M6 | 32 | 16 | 22,5 | 11 | 10/15/20/35 |
| K1298.3208X | K1298.13208X | M8 | 32 | 16 | 22,5 | 11 | 15/25 |
| K1298.4006X | K1298.14006X | M6 | 40 | 20 | 28 | 14 | 15 |
| K1298.4008X | K1298.14008X | M8 | 40 | 20 | 28 | 14 | 15/20/25/30/35/45 |
| K1298.4010X | K1298.14010X | M10 | 40 | 20 | 28 | 14 | 30 |
| K1298.5008X | K1298.15008X | M8 | 50 | 25 | 35 | 17,5 | 15/25 |
| K1298.5010X | K1298.15010X | M10 | 50 | 25 | 35 | 17,5 | 20/30/40/50 |
| K1298.6012X | K1298.16012X | M12 | 60 | 30 | 37 | 18,5 | 30/40/50 |

Five lobe grips



Material:

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

Version:

High-gloss polished.

Sample order:

K0185.3206X12 (include length L)

Note:

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

On request:

Other screw sizes, screw lengths and colours.

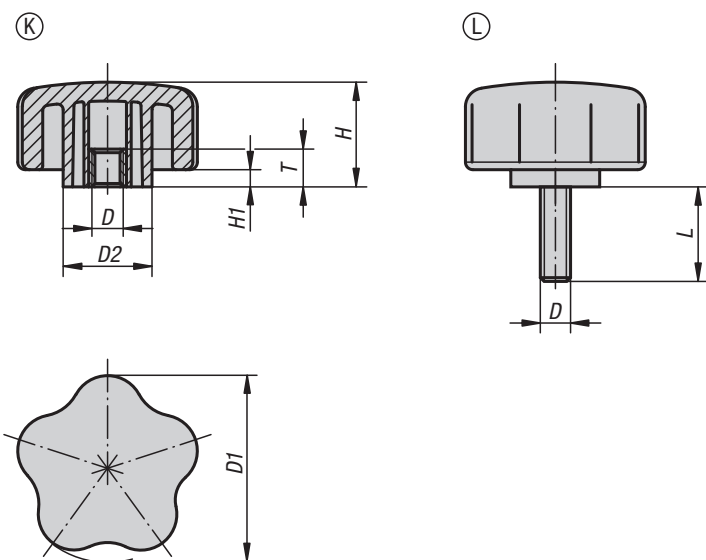
KIPP Five lobe grips with internal thread

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

KIPP Five lobe grips with external thread

| Order No. | Form | D | D1 | D3 | H | H1 | L |
|-------------|------|-----|----|----|------|------|----------|
| K0185.3206X | L | M6 | 32 | 16 | 22,4 | 11,2 | 12/18 |
| K0185.3208X | L | M8 | 32 | 16 | 22,4 | 11,2 | 16/24 |
| K0185.4006X | L | M6 | 40 | 20 | 28 | 14 | 18 |
| K0185.4008X | L | M8 | 40 | 20 | 28 | 14 | 16/20/24 |
| K0185.4010X | L | M10 | 40 | 20 | 28 | 14 | 30 |
| K0185.5008X | L | M8 | 50 | 25 | 35 | 17,5 | 16/24 |
| K0185.5010X | L | M10 | 50 | 25 | 35 | 17,5 | 20/30 |

Five lobe grips



The material and form lend this grip a natural and secure gripping effect.

Material, version:

Grip black hard thermoplastic.
Coating black soft thermoplastic.
Tapped bush brass.
Screw electro zinc-plated steel grade 5.8.

Sample order:

K0279.4006X20 (include length L)

Note:

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

On request:

Other screw sizes, screw lengths, versions and colours.

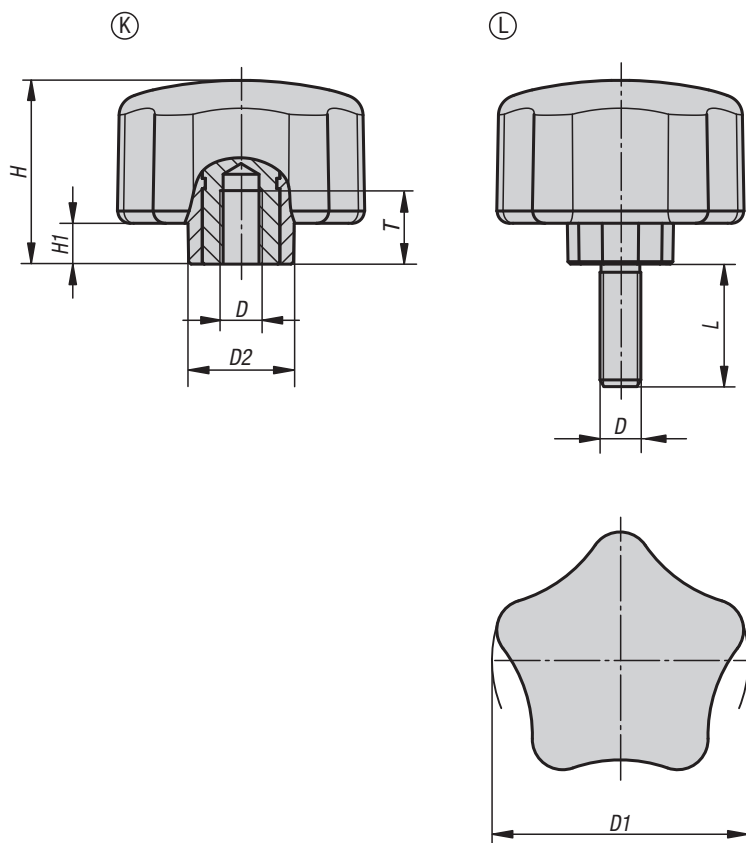
KIPP Five lobe grips with internal thread

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|----|------|------|-----|------|
| K0279.4005 | K | M5 | 40 | 19 | 27,7 | 4,6 | 12,5 |
| K0279.4006 | K | M6 | 40 | 19 | 27,7 | 4,6 | 12,5 |
| K0279.4008 | K | M8 | 40 | 19 | 27,7 | 4,6 | 12,5 |
| K0279.4010 | K | M10 | 40 | 19 | 27,7 | 4,6 | 12,5 |
| K0279.5006 | K | M6 | 50 | 23,5 | 27,7 | 4,6 | 12,5 |
| K0279.5008 | K | M8 | 50 | 23,5 | 27,7 | 4,6 | 12,5 |
| K0279.5010 | K | M10 | 50 | 23,5 | 27,7 | 4,6 | 12,5 |
| K0279.6006 | K | M6 | 60 | 31,8 | 27,7 | 4,6 | 12,5 |
| K0279.6008 | K | M8 | 60 | 31,8 | 27,7 | 4,6 | 12,5 |
| K0279.6010 | K | M10 | 60 | 31,8 | 27,7 | 4,6 | 12,5 |

KIPP Five lobe grips with external thread

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

Five lobe grips ergonomic

**Material:**

Hard components fibreglass reinforced plastic.
Soft components thermoplastic elastomer.
Bush or screw, steel grade 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:

K0786.6308X20

Note:

The colour combination
black grey RAL 7021 (hard components) and
black grey RAL 7021 (soft components)
are supplied as standard.

On request:

Other versions.

KIPP Five lobe grips ergonomic with internal thread

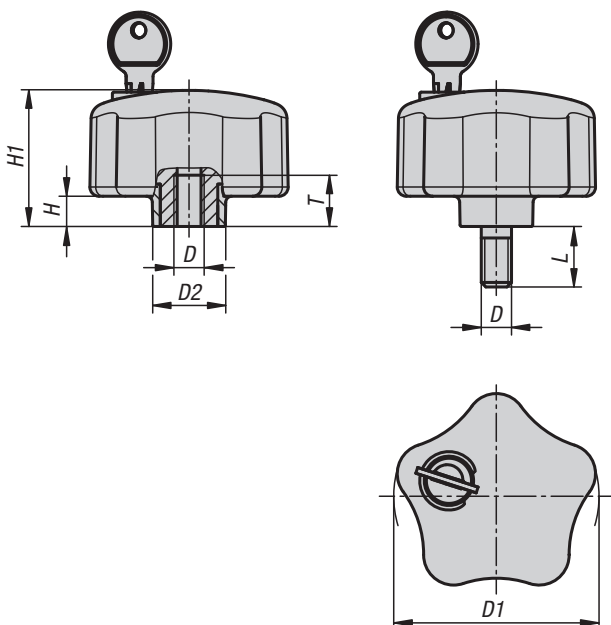
| Order No. | Form | Component material | D | D1 | D2 | H | H1 | T |
|-------------|------|--------------------|-----|----|----|----|----|----|
| K0786.6308 | K | steel | M8 | 63 | 26 | 45 | 10 | 17 |
| K0786.6310 | K | steel | M10 | 63 | 26 | 45 | 10 | 17 |
| K0786.06308 | K | stainless steel | M8 | 63 | 26 | 45 | 10 | 17 |
| K0786.06310 | K | stainless steel | M10 | 63 | 26 | 45 | 10 | 17 |

KIPP Five lobe grips ergonomic with external thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | L |
|--------------|------|--------------------|-----|----|----|----|----|-------------|
| K0786.6308X | L | steel | M8 | 63 | 26 | 45 | 10 | 20/25/30/40 |
| K0786.6310X | L | steel | M10 | 63 | 26 | 45 | 10 | 30/40/50 |
| K0786.06308X | L | stainless steel | M8 | 63 | 26 | 45 | 10 | 20/25/30/40 |
| K0786.06310X | L | stainless steel | M10 | 63 | 26 | 45 | 10 | 30/40/50 |

Five lobe grips

plastic, lockable



Material:

Grip thermoplastic.
Bush or threaded pin steel.

Version:

Grip black.
Steel parts blue-passivated.

Sample order:

K1378.6810X20

Note:

Lockable five lobe grips prevent unauthorised loosening of the screw connection.
The cylinder lock forms a positive lock between grip and screw.
When unlocked the grip rotates freely without driving the screw, preventing unauthorised opening of the screw connection.

The lockable five lobe grips are supplied with 2 keys each.

The key can be removed in the open and closed position.

The locks are a single-key system, i.e. the same key works in all locks.

On request:

Other versions.



KIPP Five lobe grips, plastic, lockable, with female thread

| Order No. | D | D1 | D2 | H | H1 | T |
|------------|-----|----|----|----|------|----|
| K1378.6806 | M6 | 68 | 24 | 10 | 45,5 | 17 |
| K1378.6808 | M8 | 68 | 24 | 10 | 45,5 | 17 |
| K1378.6810 | M10 | 68 | 24 | 10 | 45,5 | 17 |

KIPP Five lobe grips, plastic, lockable, with male thread

| Order No. | D | D1 | D2 | H | H1 | L |
|---------------|-----|----|----|----|------|----|
| K1378.6808X20 | M8 | 68 | 24 | 10 | 45,5 | 20 |
| K1378.6810X20 | M10 | 68 | 24 | 10 | 45,5 | 20 |

Clamping grips high form



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

Material, version:

Grip black hard thermoplastic.
Coating black soft thermoplastic.
Tapped bush brass.
Screw electro zinc-plated steel grade 5.8.

Sample order:

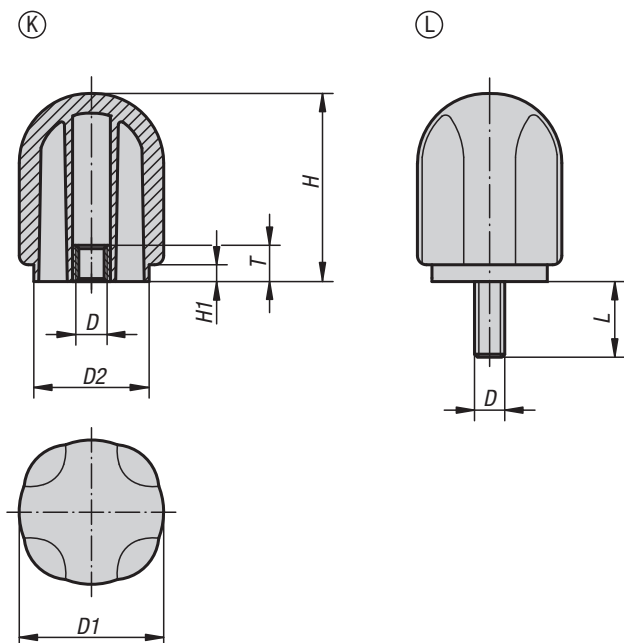
K0280.4206X20 (include length L)

Note:

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

On request:

Other screw sizes, screw lengths, versions and colours.



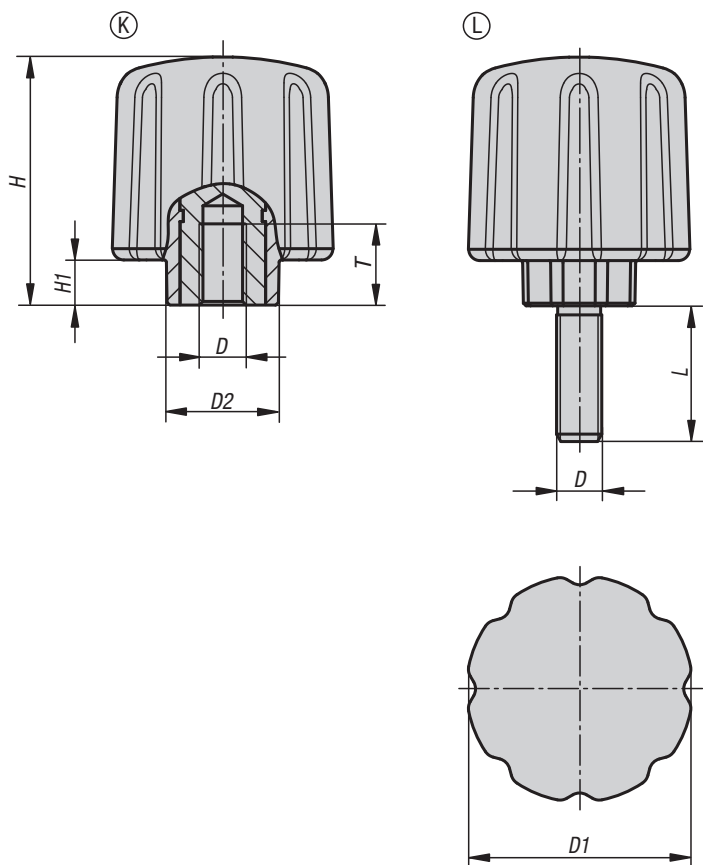
KIPP Clamping grips high form with internal thread

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|------|------|------|-----|------|
| K0280.4206 | K | M6 | 42,7 | 34 | 55,6 | 4,8 | 12,5 |
| K0280.4208 | K | M8 | 42,7 | 34 | 55,6 | 4,8 | 12,5 |
| K0280.4210 | K | M10 | 42,7 | 34 | 55,6 | 4,8 | 12,5 |
| K0280.4212 | K | M12 | 42,7 | 34 | 55,6 | 4,8 | 12,5 |
| K0280.4706 | K | M6 | 47,8 | 38,1 | 62,2 | 5,6 | 12,5 |
| K0280.4708 | K | M8 | 47,8 | 38,1 | 62,2 | 5,6 | 12,5 |
| K0280.4710 | K | M10 | 47,8 | 38,1 | 62,2 | 5,6 | 12,5 |
| K0280.4712 | K | M12 | 47,8 | 38,1 | 62,2 | 5,6 | 12,5 |

KIPP Clamping grips high form with external thread

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

Clamping grips ergonomic

**Material:**

Hard components fibreglass reinforced plastic.
Soft components thermoplastic elastomer.
Bush or screw, steel grade 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.
Stainless steel, bright.

Sample order:

K0779.5006X20

Note:

The colour combination
black grey RAL 7021 (hard components) and
black grey RAL 7021 (soft components)
are supplied as standard.

On request:

Other versions.

KIPP Clamping grips ergonomic with internal thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | T |
|-------------|------|--------------------|-----|----|----|----|----|----|
| K0779.5006 | K | steel | M6 | 50 | 26 | 55 | 10 | 17 |
| K0779.5008 | K | steel | M8 | 50 | 26 | 55 | 10 | 17 |
| K0779.5010 | K | steel | M10 | 50 | 26 | 55 | 10 | 17 |
| K0779.05006 | K | stainless steel | M6 | 50 | 26 | 55 | 10 | 17 |
| K0779.05008 | K | stainless steel | M8 | 50 | 26 | 55 | 10 | 17 |
| K0779.05010 | K | stainless steel | M10 | 50 | 26 | 55 | 10 | 17 |

KIPP Clamping grips ergonomic with external thread

| Order No. | Form | Component material | D | D1 | D2 | H | H1 | L |
|--------------|------|--------------------|-----|----|----|----|----|-------------|
| K0779.5006X | L | steel | M6 | 50 | 26 | 55 | 10 | 15/20/25/30 |
| K0779.5008X | L | steel | M8 | 50 | 26 | 55 | 10 | 20/25/30/40 |
| K0779.5010X | L | steel | M10 | 50 | 26 | 55 | 10 | 30/40/50 |
| K0779.05006X | L | stainless steel | M6 | 50 | 26 | 55 | 10 | 15/20/25/30 |
| K0779.05008X | L | stainless steel | M8 | 50 | 26 | 55 | 10 | 20/25/30/40 |
| K0779.05010X | L | stainless steel | M10 | 50 | 26 | 55 | 10 | 30/40/50 |

Knurled screws



Due to their extremely flat design, these grips can be used in very cramped spaces. The fluting around the edge improves gripping.

Material, version:

Grip black hard thermoplastic.

Coating black soft thermoplastic.

Tapped bush brass.

Screw electro zinc-plated steel grade 5.8.

Sample order:

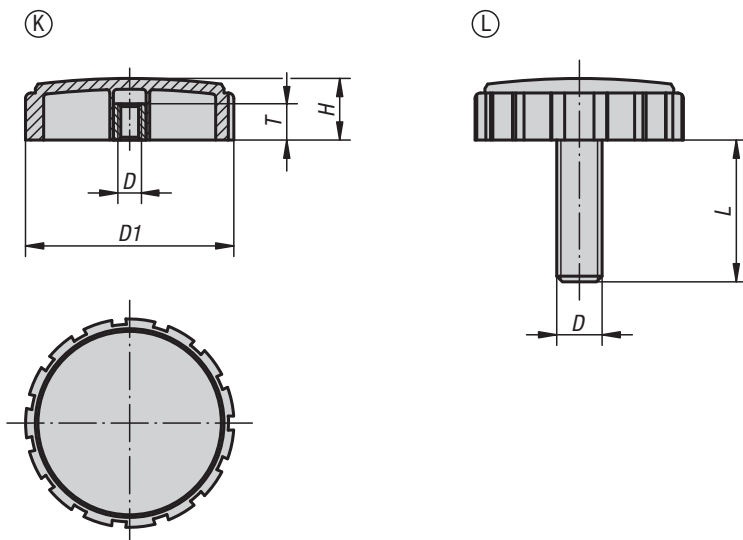
K0281.5706X20 (include length L)

Note:

SYMPA TOUCH Knurled screws are available in one grip size with internal and external threads.

On request:

Other screw sizes, screw lengths, versions and colours.

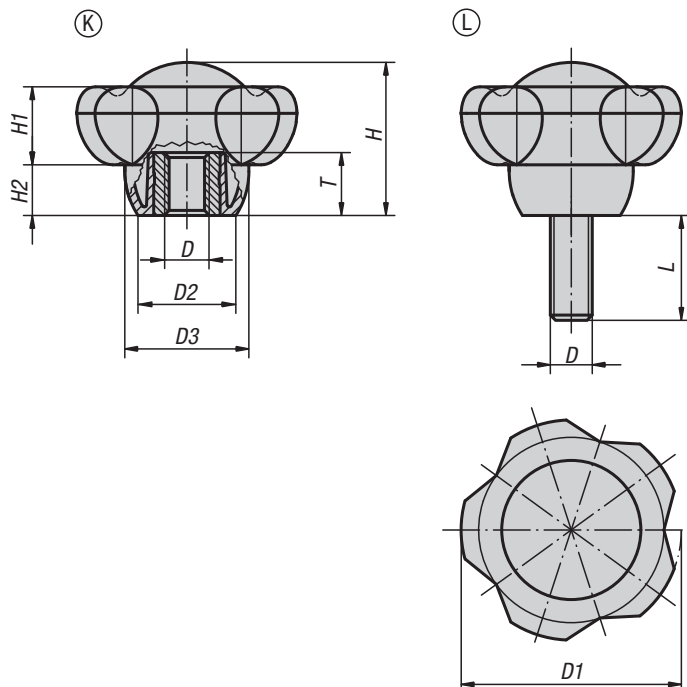
**KIPP Knurled screw with internal thread**

| Order No. | Form | D | D1 | 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 Knurled screw with external thread

| Order No. | Form | D | D1 | H | L |
|-------------|------|-----|------|----|-------------|
| 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 |

Five lobe grips



This newly developed design eases operating and clamping processes. Completely new freedom of applications and the associated creativity contribute towards harmonizing human requirements and the stipulated grip safety.

Material:

Black thermoplastic.

Bush and screw 5.8 steel or 1.4305 stainless steel.

Version:

Steel trivalent blue passivated, stainless steel bright.

Sample order:

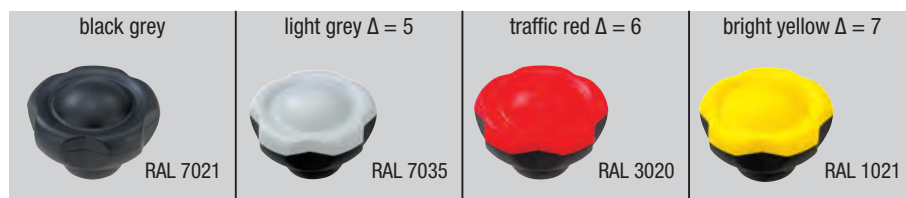
K0255.50106X30

(cap colour traffic red; include length L)

Note:

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

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



KIPP Five lobe grips with internal thread

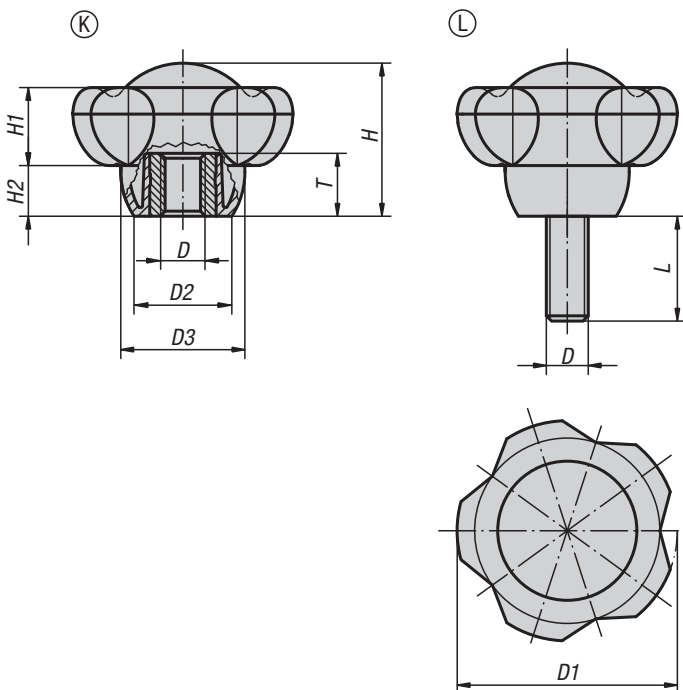
| Order No. steel | Order No. stainless steel | Form | D | D1 | D2 | D3 | H | H1 | H2 | T |
|--------------------|------------------------------|------|-----|----|------|------|------|------|------|----|
| K0255.5008Δ | K0255.50081Δ | K | M8 | 50 | 22,2 | 28,2 | 34,8 | 17,8 | 11,5 | 14 |
| K0255.5010Δ | K0255.50101Δ | K | M10 | 50 | 22,2 | 28,2 | 34,8 | 17,8 | 11,5 | 14 |
| K0255.5012Δ | K0255.50121Δ | K | M12 | 50 | 22,2 | 28,2 | 34,8 | 17,8 | 11,5 | 18 |
| K0255.6310Δ | K0255.63101Δ | K | M10 | 63 | 28 | 35,5 | 44 | 22,5 | 14,5 | 14 |
| K0255.6312Δ | K0255.63121Δ | K | M12 | 63 | 28 | 35,5 | 44 | 22,5 | 14,5 | 18 |
| K0255.6316Δ | - | K | M16 | 63 | 28 | 35,5 | 44 | 22,5 | 14,5 | 18 |

KIPP Five lobe grips with external thread

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

Five lobe grips antibacterial

metal parts stainless steel



Material:

Thermoplastic, slate grey.
Bush and screw stainless steel 1.4305.

Version:

Stainless steel bright.

Sample order:

K0255.1263101144X20

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA). The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

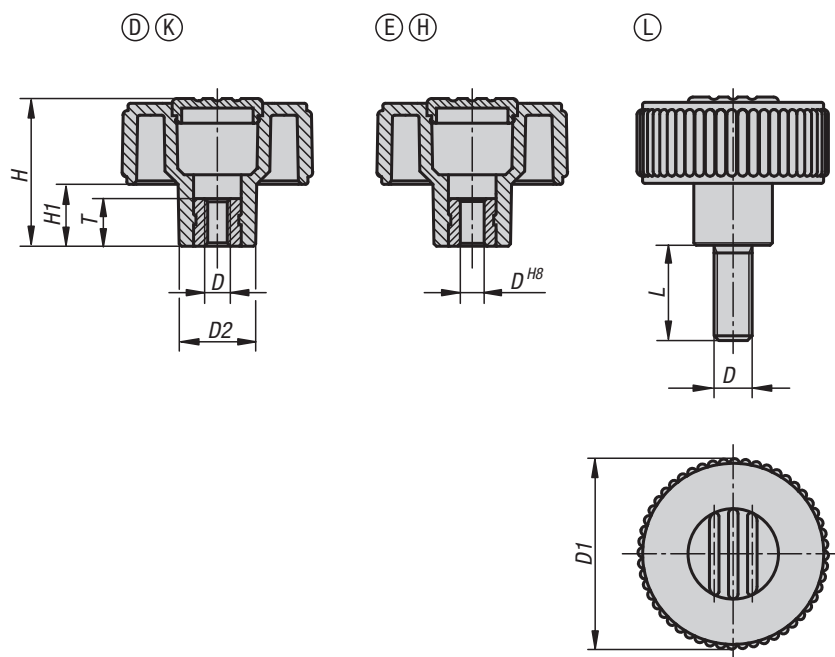
KIPP Five lobe grips antibacterial, metal parts stainless steel, internal thread

| Order No. | Form | D | D1 | D2 | D3 | H | H1 | H2 | T |
|------------------|------|-----|----|----|------|----|------|------|----|
| K0255.1263101144 | K | M10 | 63 | 28 | 35,5 | 44 | 22,5 | 14,5 | 14 |

KIPP Five lobe grips antibacterial, metal parts stainless steel, external thread

| Order No. | Form | D | D1 | D2 | D3 | H | H1 | H2 | L |
|---------------------|------|-----|----|----|------|----|------|------|----|
| K0255.1263101144X20 | L | M10 | 63 | 28 | 35,5 | 44 | 22,5 | 14,5 | 20 |

Knurled knobs



NOVO grip knurled knobs are characterized by their wide range of applications and outstanding design. The ergonomically designed knurled wheel guarantees absolutely secure and perfect handling.

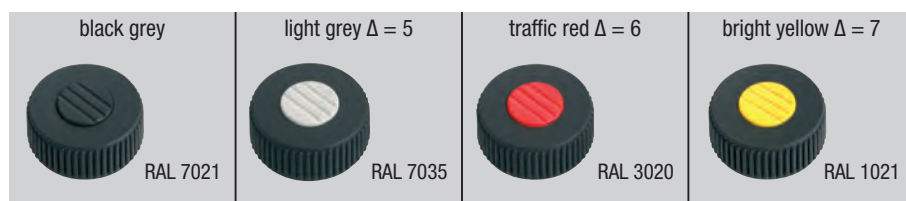
Material:
Black thermoplastic.
Bush and screw grade 5.8 steel.

Version:
Steel trivalent blue passivated.

Sample order:
K0260.41067
(cap colour bright yellow.)

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

Drawing reference:
Form D: tapped bush without cap
Form K: tapped bush with cap
Form E: reamed bush without cap
Form H: reamed bush with cap
Form L: external thread



KIPP Knurled knobs Form D, with tapped bush, without cap

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|----|------|----|----|----|
| K0260.1105 | D | M5 | 40 | 16,5 | 30 | 13 | 10 |
| K0260.1106 | D | M6 | 40 | 16,5 | 30 | 13 | 10 |
| K0260.1108 | D | M8 | 40 | 16,5 | 30 | 13 | 14 |
| K0260.1208 | D | M8 | 50 | 18 | 35 | 15 | 14 |
| K0260.1210 | D | M10 | 50 | 18 | 35 | 15 | 14 |
| K0260.1310 | D | M10 | 63 | 22 | 40 | 17 | 14 |
| K0260.1312 | D | M12 | 63 | 22 | 40 | 17 | 18 |



KIPP Knurled knobs Form K, with tapped bush, with cap

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|-------------|------|-----|----|------|----|----|----|
| K0260.2105Δ | K | M5 | 40 | 16,5 | 31 | 13 | 10 |
| K0260.2106Δ | K | M6 | 40 | 16,5 | 31 | 13 | 10 |
| K0260.2108Δ | K | M8 | 40 | 16,5 | 31 | 13 | 14 |
| K0260.2208Δ | K | M8 | 50 | 18 | 36 | 15 | 14 |
| K0260.2210Δ | K | M10 | 50 | 18 | 36 | 15 | 14 |
| K0260.2310Δ | K | M10 | 63 | 22 | 41 | 17 | 14 |
| K0260.2312Δ | K | M12 | 63 | 22 | 41 | 17 | 18 |

KIPP Knurled knobs Form E, with reamed bush, without cap

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|----|----|------|----|----|----|
| K0260.3106 | E | 6 | 40 | 16,5 | 30 | 13 | 10 |
| K0260.3208 | E | 8 | 50 | 18 | 35 | 15 | 14 |
| K0260.3310 | E | 10 | 63 | 22 | 40 | 17 | 14 |

KIPP Knurled knobs Form H, with reamed bush, with cap

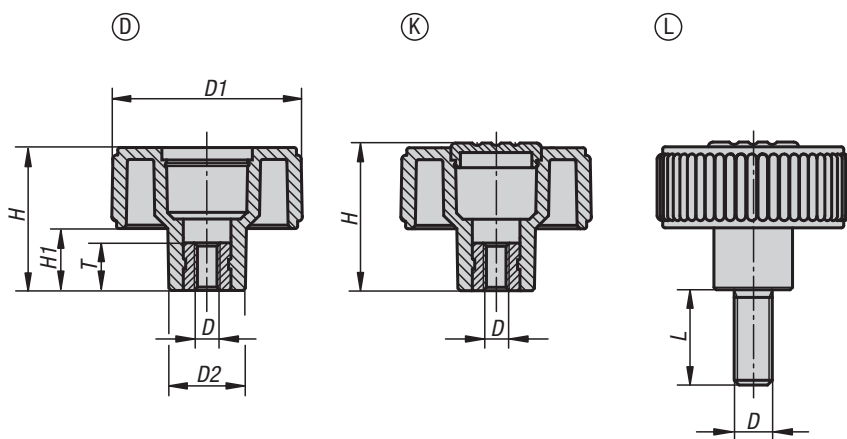
| Order No. | Form | D | D1 | D2 | H | H1 | T |
|-------------|------|----|----|------|----|----|----|
| K0260.4106Δ | H | 6 | 40 | 16,5 | 31 | 13 | 10 |
| K0260.4208Δ | H | 8 | 50 | 18 | 36 | 15 | 14 |
| K0260.4310Δ | H | 10 | 63 | 22 | 41 | 17 | 14 |

KIPP Knurled knobs Form L, with external thread

| Order No. | Form | D | D1 | D2 | H | H1 | L |
|--------------|------|-----|----|------|----|----|----------|
| K0260.5105ΔX | L | M5 | 40 | 16,5 | 31 | 13 | 10/20/40 |
| K0260.5106ΔX | L | M6 | 40 | 16,5 | 31 | 13 | 10/20/40 |
| K0260.5108ΔX | L | M8 | 40 | 16,5 | 31 | 13 | 15/30/60 |
| K0260.5208ΔX | L | M8 | 50 | 18 | 36 | 15 | 15/30/60 |
| K0260.5210ΔX | L | M10 | 50 | 18 | 36 | 15 | 20/30/60 |
| K0260.5310ΔX | L | M10 | 63 | 22 | 41 | 17 | 20/30/60 |
| K0260.5312ΔX | L | M12 | 63 | 22 | 41 | 17 | 30/60 |

Knurled knobs

metal parts stainless steel



NOVO grip knurled knobs 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:

Thermoplastic, black grey.
Bush and screw stainless steel 1.4305.

Version:

Stainless steel bright.

Sample order:

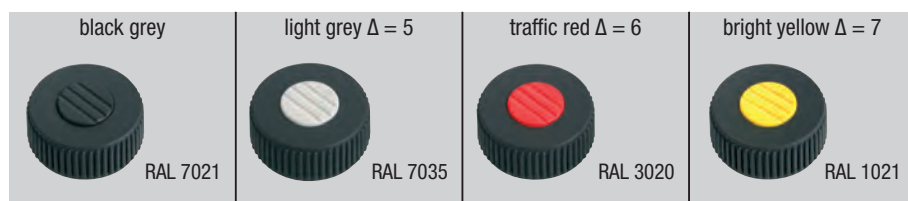
K0261.51056X10
(cap colour traffic red; include length L.)

Note:

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

Drawing reference:

Form D: tapped bush without cap
Form K: tapped bush with cap
Form L: external thread



KIPP Knurled knobs, metal parts stainless steel, Form D, with tapped bush, without cap

| Order No. | Form | D | D1 | D2 | H | H1 | T |
|------------|------|-----|----|------|----|----|----|
| K0261.1105 | D | M5 | 40 | 16,5 | 30 | 13 | 10 |
| K0261.1106 | D | M6 | 40 | 16,5 | 30 | 13 | 10 |
| K0261.1108 | D | M8 | 40 | 16,5 | 30 | 13 | 14 |
| K0261.1208 | D | M8 | 50 | 18 | 35 | 15 | 14 |
| K0261.1210 | D | M10 | 50 | 18 | 35 | 15 | 14 |
| K0261.1310 | D | M10 | 63 | 22 | 40 | 17 | 14 |
| K0261.1312 | D | M12 | 63 | 22 | 40 | 17 | 18 |

Knurled knobs

metal parts stainless steel



KIPP Knurled knobs, metal parts stainless steel, Form K, with tapped bush, with cap

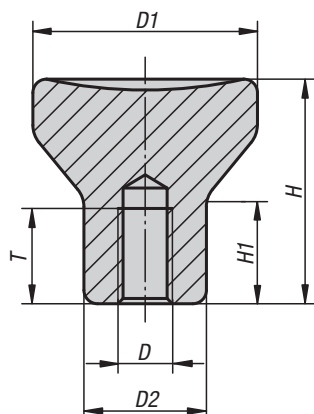
| Order No. | Form | D | D1 | D2 | H | H1 | T |
|-------------|------|-----|----|------|----|----|----|
| K0261.2105Δ | K | M5 | 40 | 16,5 | 31 | 13 | 10 |
| K0261.2106Δ | K | M6 | 40 | 16,5 | 31 | 13 | 10 |
| K0261.2108Δ | K | M8 | 40 | 16,5 | 31 | 13 | 14 |
| K0261.2208Δ | K | M8 | 50 | 18 | 36 | 15 | 14 |
| K0261.2210Δ | K | M10 | 50 | 18 | 36 | 15 | 14 |
| K0261.2310Δ | K | M10 | 63 | 22 | 41 | 17 | 14 |
| K0261.2312Δ | K | M12 | 63 | 22 | 41 | 17 | 18 |

KIPP Knurled knobs, metal parts stainless steel, Form L, with external thread

| Order No. | Form | D | D1 | D2 | H | H1 | L |
|--------------|------|-----|----|------|----|----|----------|
| K0261.5105ΔX | L | M5 | 40 | 16,5 | 31 | 13 | 10/20 |
| K0261.5106ΔX | L | M6 | 40 | 16,5 | 31 | 13 | 10/20/40 |
| K0261.5108ΔX | L | M8 | 40 | 16,5 | 31 | 13 | 15/30/60 |
| K0261.5208ΔX | L | M8 | 50 | 18 | 36 | 15 | 15/30/60 |
| K0261.5210ΔX | L | M10 | 50 | 18 | 36 | 15 | 20/30/60 |
| K0261.5310ΔX | L | M10 | 63 | 22 | 41 | 17 | 20/30/60 |

Mushroom knobs

internal thread



Material:

Steel, stainless steel or aluminium.

Version:

Steel trivalent blue passivated.

Stainless steel electropolished or blasted.

Aluminium natural tone anodised.

Sample order:

K0250.104

On request:

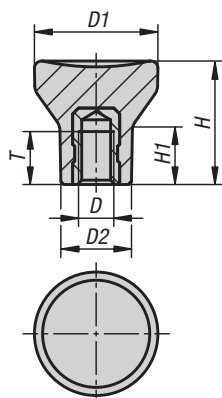
With external threads.

KIPP Mushroom knobs with internal thread

| Order No. | Main material | Surface finish body | D | D1 | D2 | H | H1 | T |
|------------|-----------------|---------------------|-----|----|----|----|------|------|
| K0250.0902 | steel | blue-passivated | M2 | 14 | 8 | 14 | 6,7 | 4 |
| K0250.0003 | steel | blue-passivated | M3 | 18 | 10 | 18 | 8,6 | 7,5 |
| K0250.0104 | steel | blue-passivated | M4 | 21 | 12 | 21 | 10 | 10 |
| K0250.0105 | steel | blue-passivated | M5 | 21 | 12 | 21 | 10 | 12,5 |
| K0250.0206 | steel | blue-passivated | M6 | 25 | 14 | 25 | 12 | 12 |
| K0250.0308 | steel | blue-passivated | M8 | 33 | 18 | 33 | 16 | 16 |
| K0250.0410 | steel | blue-passivated | M10 | 40 | 24 | 40 | 18,7 | 20 |
| K0250.902 | stainless steel | electropolished | M2 | 14 | 8 | 14 | 6,7 | 4 |
| K0250.003 | stainless steel | electropolished | M3 | 18 | 10 | 18 | 8,6 | 7,5 |
| K0250.104 | stainless steel | electropolished | M4 | 21 | 12 | 21 | 10 | 10 |
| K0250.105 | stainless steel | electropolished | M5 | 21 | 12 | 21 | 10 | 12,5 |
| K0250.206 | stainless steel | electropolished | M6 | 25 | 14 | 25 | 12 | 12 |
| K0250.308 | stainless steel | electropolished | M8 | 33 | 18 | 33 | 16 | 16 |
| K0250.410 | stainless steel | electropolished | M10 | 40 | 24 | 40 | 18,7 | 20 |
| K0250.1902 | aluminium | anodised | M2 | 14 | 8 | 14 | 6,7 | 4 |
| K0250.1003 | aluminium | anodised | M3 | 18 | 10 | 18 | 8,6 | 7,5 |
| K0250.1104 | aluminium | anodised | M4 | 21 | 12 | 21 | 10 | 10 |
| K0250.1105 | aluminium | anodised | M5 | 21 | 12 | 21 | 10 | 12,5 |
| K0250.1206 | aluminium | anodised | M6 | 25 | 14 | 25 | 12 | 12 |
| K0250.1308 | aluminium | anodised | M8 | 33 | 18 | 33 | 16 | 16 |
| K0250.1410 | aluminium | anodised | M10 | 40 | 24 | 40 | 18,7 | 20 |
| K0250.2902 | stainless steel | blasted | M2 | 14 | 8 | 14 | 6,7 | 4 |
| K0250.2003 | stainless steel | blasted | M3 | 18 | 10 | 18 | 8,6 | 7,5 |
| K0250.2104 | stainless steel | blasted | M4 | 21 | 12 | 21 | 10 | 10 |
| K0250.2105 | stainless steel | blasted | M5 | 21 | 12 | 21 | 10 | 12,5 |
| K0250.2206 | stainless steel | blasted | M6 | 25 | 14 | 25 | 12 | 12 |
| K0250.2308 | stainless steel | blasted | M8 | 33 | 18 | 33 | 16 | 16 |
| K0250.2410 | stainless steel | blasted | M10 | 40 | 24 | 40 | 18,7 | 20 |

Mushroom knobs

internal thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

K1286.104

Note:

K1286.104 has a brass bush.

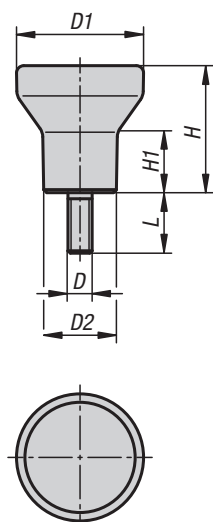
KIPP Mushroom knobs with internal thread

| Order No. | Component material | D | D1 | D2 | H | H1 | T |
|------------|--------------------|----|----|----|----|----|-----|
| K1286.104 | brass | M4 | 21 | 12 | 21 | 10 | 6 |
| K1286.105 | steel | M5 | 21 | 12 | 21 | 10 | 7,5 |
| K1286.206 | steel | M6 | 25 | 14 | 25 | 12 | 9 |
| K1286.308 | steel | M8 | 33 | 18 | 33 | 16 | 12 |
| K1286.1104 | stainless steel | M4 | 21 | 12 | 21 | 10 | 6 |
| K1286.1105 | stainless steel | M5 | 21 | 12 | 21 | 10 | 7,5 |
| K1286.1206 | stainless steel | M6 | 25 | 14 | 25 | 12 | 9 |
| K1286.1308 | stainless steel | M8 | 33 | 18 | 33 | 16 | 12 |

K1287

Mushroom knobs

external thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

K1287.104X10

On request:

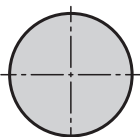
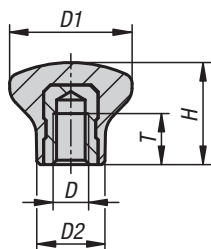
Other screw lengths.

KIPP Mushroom knobs with external thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | H | H1 | L |
|--------------------|------------------------------|----|----|----|----|----|----|
| K1287.104X10 | K1287.1104X10 | M4 | 21 | 12 | 21 | 10 | 10 |
| K1287.105X10 | K1287.1105X10 | M5 | 21 | 12 | 21 | 10 | 10 |
| K1287.206X10 | K1287.1206X10 | M6 | 25 | 14 | 25 | 12 | 10 |
| K1287.308X15 | K1287.1308X15 | M8 | 33 | 18 | 33 | 16 | 15 |

Mushroom knobs

internal thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

K1288.1805

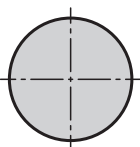
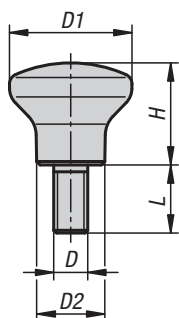
KIPP Mushroom knobs with internal thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | H | T |
|--------------------|------------------------------|----|----|----|----|-----|
| K1288.1805 | K1288.11805 | M5 | 18 | 10 | 15 | 7,5 |
| K1288.2106 | K1288.12106 | M6 | 21 | 12 | 17 | 9 |
| K1288.2506 | K1288.12506 | M6 | 25 | 14 | 21 | 9 |
| K1288.3308 | K1288.13308 | M8 | 33 | 18 | 29 | 12 |

K1289

Mushroom knobs

external thread



Material:

Thermoset PF 31.
Steel or stainless steel.

Version:

Thermoset black, high-gloss polished.
Trivalent blue passivated steel or bright stainless steel.

Sample order:

K1289.1805X10

On request:

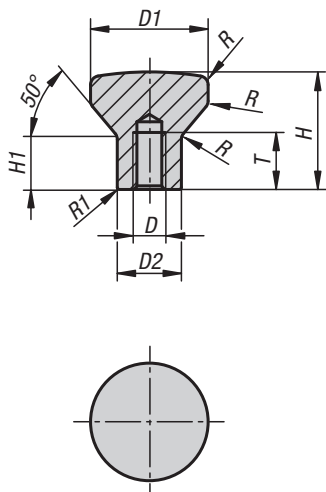
Other screw lengths.

KIPP Mushroom knobs with external thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | H | L |
|--------------------|------------------------------|----|----|----|----|----|
| K1289.1805X10 | K1289.11805X10 | M5 | 18 | 10 | 15 | 10 |
| K1289.2106X10 | K1289.12106X10 | M6 | 21 | 12 | 17 | 10 |
| K1289.2506X10 | K1289.12506X10 | M6 | 25 | 14 | 21 | 10 |
| K1289.3308X15 | K1289.13308X15 | M8 | 33 | 18 | 29 | 15 |

Mushroom knobs female thread with high head

for Hygienic USIT® Freudenberg Process Seals sealing and shim washer



Material:

Steel parts stainless steel 1.4404.

Version:

High-gloss polished.

Sample order:

K1308.2004

Note:

The high head makes the mushroom knob ideal for manual pull and push movements.

The complete surface is polished to a high gloss with a surface finish of much less than Ra 0.8 µm. The contour is produced with generous radii and transitions. It doesn't matter in which position the mushroom knob is mounted, dirt and residue from products or cleaners seldom adheres. Easy cleaning is ensured.

The Hygienic USIT® sealing and shim washers from Freudenberg Process are used to seal the screw-on point. The shaft of the mushroom knob is specially designed to suit this seal. An almost cavity-free seal of the screw-on point is created which satisfies hygienic regulations.

On request:

Inch threads, thread depths, form variations.

Accessories:

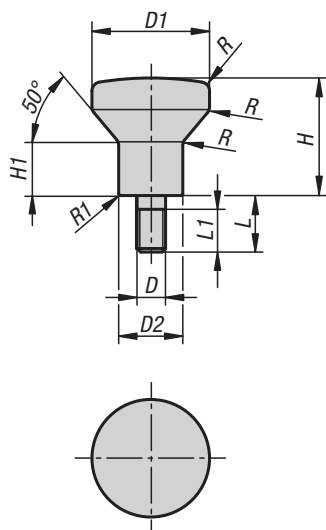
Hygienic USIT® sealing and shim washer K1491 for the screw-on surface.

KIPP Mushroom knobs, female thread with high head, for Hygienic USIT® sealing and shim washer

| Order No. | D | D1 | D2 | H | H1 | T | R | R1 |
|------------|-----|----|------|----|----|----|---|------|
| K1308.2004 | M4 | 20 | 10,8 | 19 | 8 | 10 | 3 | 0,45 |
| K1308.2105 | M5 | 21 | 11,8 | 21 | 10 | 12 | 3 | 0,5 |
| K1308.2506 | M6 | 25 | 14,2 | 25 | 12 | 12 | 3 | 0,55 |
| K1308.3308 | M8 | 33 | 18 | 33 | 15 | 16 | 4 | 0,7 |
| K1308.4010 | M10 | 40 | 22,3 | 40 | 19 | 20 | 4 | 0,8 |

Mushroom knobs male thread with high head

for Hygienic USIT® sealing and shim washer Freudenberg Process Seals



Material:

Steel parts stainless steel 1.4404.

Version:

High-gloss polished.

Sample order:

K1309.2004X8

Note:

The high head makes the mushroom knob ideal for manual pull and push movements.

The complete surface is polished to a high gloss with a surface finish of much less than Ra 0.8 µm.

The contour is produced with generous radii and transitions. It doesn't matter in which position the mushroom knob is mounted, dirt and residue from products or cleaners seldom adheres. Easy cleaning is ensured.

The Hygienic USIT® sealing and shim washers from Freudenberg Process are used to seal the screw-on point. The shaft of the mushroom knob is specially designed to suit this seal. An almost cavity-free seal of the screw-on point is created which satisfies hygienic regulations.

On request:

Inch threads, thread lengths, form variations.

Accessories:

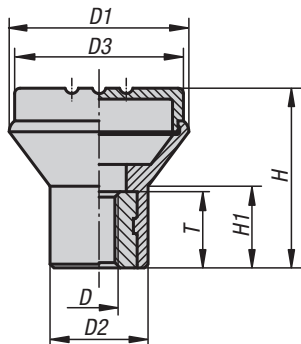
Hygienic USIT® sealing and shim washer K1491 for the screw-on surface.

KIPP Mushroom knobs male thread, with high head, for Hygienic USIT® sealing and shim washer

| Order No. | D | D1 | D2 | H | H1 | L | L1 | R | R1 |
|---------------|-----|----|------|----|----|----|----|---|------|
| K1309.2004X8 | M4 | 20 | 10,8 | 19 | 8 | 8 | 7 | 3 | 0,45 |
| K1309.2105X10 | M5 | 21 | 11,8 | 21 | 10 | 10 | 9 | 3 | 0,5 |
| K1309.2506X12 | M6 | 25 | 14,2 | 25 | 12 | 12 | 11 | 3 | 0,55 |
| K1309.3308X16 | M8 | 33 | 18 | 33 | 15 | 16 | 15 | 4 | 0,7 |
| K1309.4010X20 | M10 | 40 | 22,3 | 40 | 19 | 20 | 19 | 4 | 0,8 |

Mushroom knobs

internal thread



NOVO grip mushroom knobs provide a special form of gripping: absolutely secure, quick and easy. This new form of gripping represented by the NOVO grip mushroom knob is unique. Find out for yourself!

Material:

Black thermoplastic.

Bush grade 5.8 steel or 1.4305 stainless steel.

Version:

Steel trivalent blue passivated, stainless steel bright.

Sample order:

K0251.046 (cap colour traffic red.)

Note:

Δ Add the desired cap colour here.

No colour code is required for black grey caps.

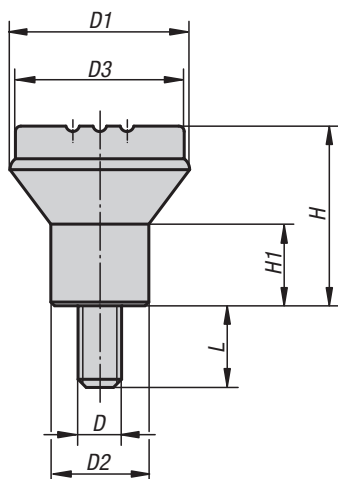
| black grey | light grey Δ = 5 | traffic red Δ = 6 | bright yellow Δ = 7 |
|---|---|---|---|
|  |  |  |  |
| RAL 7021 | RAL 7035 | RAL 3020 | RAL 1021 |

KIPP Mushroom knobs with internal thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | D3 | H | H1 | T |
|--------------------|------------------------------|----|----|----|----|----|----|----|
| K0251.04Δ | K0251.004Δ | M4 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.05Δ | K0251.005Δ | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.06Δ | K0251.006Δ | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.08Δ | K0251.008Δ | M8 | 33 | 19 | 31 | 33 | 15 | 14 |

Mushroom knobs

external thread



NOVO grip mushroom knobs provide a special form of gripping: absolutely secure, quick and easy. This new form of gripping represented by the NOVO grip mushroom knob is unique. Find out for yourself!

Material:

Black thermoplastic.

Screw grade 5.8 steel or 1.4305 stainless steel.

Version:

Steel trivalent blue passivated, stainless steel bright.

Sample order:

K0251.046X10 (cap colour traffic red; include length L)

Note:

Δ Add the desired cap colour here.

No colour code is required for black grey caps.



KIPP Mushroom knobs with external thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | D3 | H | H1 | L |
|--------------------|------------------------------|----|----|----|----|----|----|----|
| K0251.04ΔX | K0251.004ΔX | M4 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.05ΔX | K0251.005ΔX | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.06ΔX | K0251.006ΔX | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.08ΔX | K0251.008ΔX | M8 | 33 | 19 | 31 | 33 | 15 | 15 |

Mushroom knobs biopolymer

internal thread



Material:

Biopolymer, beech.
Bush steel 5.8

Version:

Bush trivalent blue passivated.
Natural beech with beech fibres or coloured black grey.

Sample order:

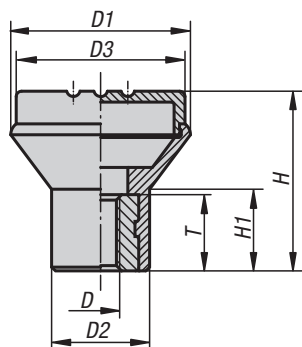
K0251.1005143

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).
Conservation of finite fossil resources.
The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

Excellent mechanical stability (certified with a minimum of 2x safety factor).
Biopolymer is suitable for recycling (comparable to thermoplastics).
Suitable for outdoor use (not biodegradable).
Excellent resistance to strong acids and lyes.
Short-term resistance to alcohol, fuel, mineral oil and grease.

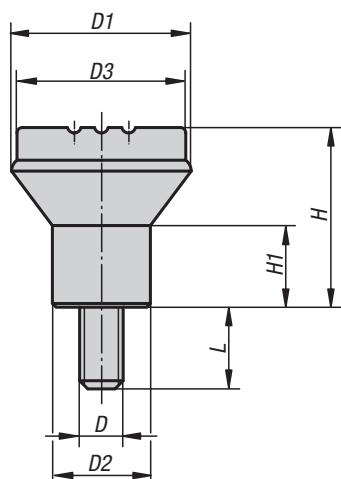


KIPP Mushroom knobs biopolymer with internal thread

| Order No. | Main colour | Thread type | D | D1 | D2 | D3 | H | H1 | T |
|---------------|---------------------|-----------------|----|----|----|----|----|----|----|
| K0251.1005143 | natural beech | internal thread | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.1006143 | natural beech | internal thread | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.1008143 | natural beech | internal thread | M8 | 33 | 19 | 33 | 33 | 15 | 14 |
| K0251.100590 | black grey RAL 7021 | internal thread | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.100690 | black grey RAL 7021 | internal thread | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.100890 | black grey RAL 7021 | internal thread | M8 | 33 | 19 | 33 | 33 | 15 | 14 |

Mushroom knobs biopolymer

external thread



Material:

Biopolymer, beech.
Threaded pin steel 5.8.

Version:

Screw trivalent blue passivated.
Natural beech with beech fibres or coloured black grey.

Sample order:

K0251.100590X10

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).
Conservation of finite fossil resources.
The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

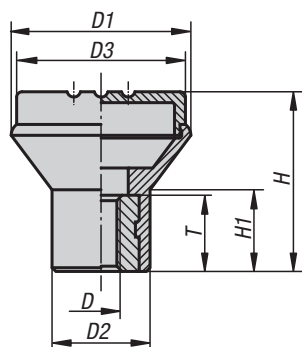
Excellent mechanical stability (certified with a minimum of 2x safety factor).
Biopolymer is suitable for recycling (comparable to thermoplastics).
Suitable for outdoor use (not biodegradable).
Excellent resistance to strong acids and lyes.
Short-term resistance to alcohol, fuel, mineral oil and grease.

KIPP Mushroom knobs biopolymer with external thread

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | L |
|------------------|---------------------|----|----|----|----|----|----|----|
| K0251.1005143X10 | natural beech | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.1006143X15 | natural beech | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.1008143X15 | natural beech | M8 | 33 | 19 | 33 | 33 | 15 | 15 |
| K0251.100590X10 | black grey RAL 7021 | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.100690X15 | black grey RAL 7021 | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.100890X15 | black grey RAL 7021 | M8 | 33 | 19 | 33 | 33 | 15 | 15 |

Mushroom knobs antibacterial

internal thread, metal parts stainless steel



Material:

Thermoplastic, slate grey.
Bush stainless steel 1.4305.

Version:

Stainless steel bright.

Sample order:

K0251.12005144

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA).

The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory).

During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

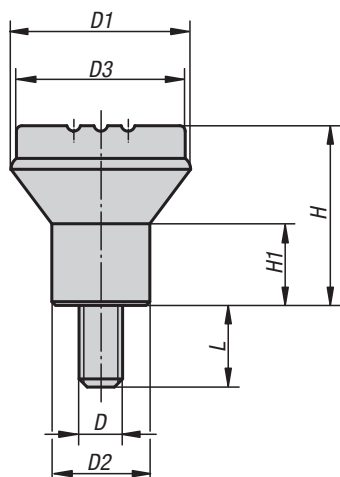
For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

KIPP Mushroom knobs antibacterial internal thread, metal parts stainless steel

| Order No. | Component material | D | D1 | D2 | D3 | H | H1 | T |
|----------------|--------------------|----|----|----|----|----|----|----|
| K0251.12005144 | stainless steel | M5 | 21 | 12 | 19 | 21 | 10 | 10 |

Mushroom knobs antibacterial

external thread, metal parts stainless steel



Material:

Thermoplastic, slate grey.

Threaded pin stainless steel 1.4305.

Version:

Stainless steel bright.

Sample order:

K0251.12005144X10

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA).

The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory).

During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

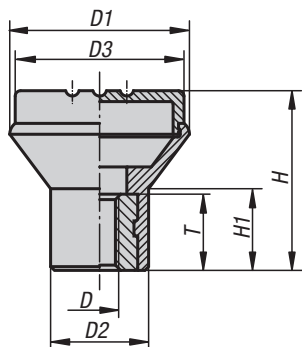
For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

KIPP Mushroom knobs antibacterial, external thread, metal parts stainless steel

| Order No. | Component material | D | D1 | D2 | D3 | H | H1 | L |
|-------------------|--------------------|----|----|----|----|----|----|----|
| K0251.12005144X10 | stainless steel | M5 | 21 | 12 | 19 | 21 | 10 | 10 |

Mushroom knobs antistatic

internal thread



Material:

Thermoplastic, graphite black.
Bush steel 5.8.

Version:

Bush blue passivated

Sample order:

K0251.110524

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Safety:

These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

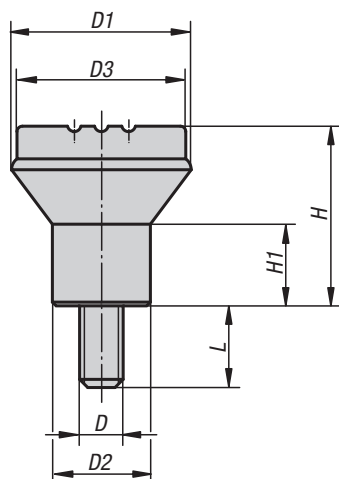
Operators required to conform to ATEX worker protection directive 1999/92/EC.

KIPP Mushroom knobs antistatic internal thread

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | T |
|--------------|-------------------------|----|----|----|----|----|----|----|
| K0251.110524 | graphite black RAL 9011 | M5 | 21 | 12 | 19 | 21 | 10 | 10 |

Mushroom knobs antistatic

external thread



Material:

Thermoplastic, graphite black.
Threaded pin steel 5.8.

Version:

Screw blue passivated.

Sample order:

K0251.110524X10

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Safety:

These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.

KIPP Mushroom knobs antistatic external thread

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | L |
|-----------------|-------------------------|----|----|----|----|----|----|----|
| K0251.110524X10 | graphite black RAL 9011 | M5 | 21 | 12 | 19 | 21 | 10 | 10 |



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



Wing grips

internal thread, stainless steel


Material:

Stainless steel 1.4308.

Version:

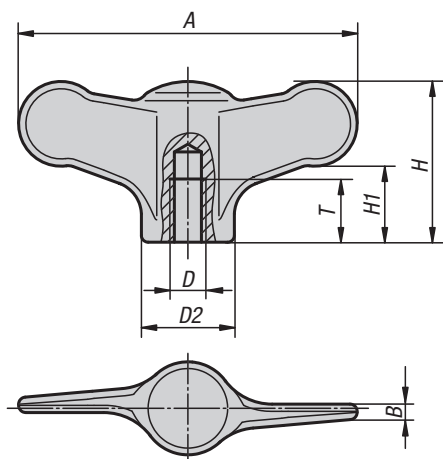
Polished and blasted.

Sample order:

K0273.105

On request:

With external threads.

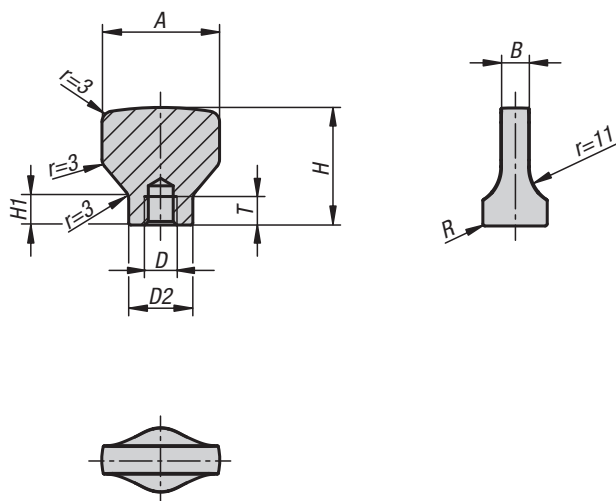


KIPP Wing grips with internal thread, stainless steel

| Order No. | Finish | A | B | D | D2 | H | H1 | T |
|------------|----------|----|-----|-----|------|----|------|----|
| K0273.904 | polished | 38 | 1,7 | M4 | 10,5 | 18 | 8,5 | 9 |
| K0273.905 | polished | 38 | 1,7 | M5 | 10,5 | 18 | 8,5 | 9 |
| K0273.906 | polished | 38 | 1,7 | M6 | 10,5 | 18 | 8,5 | 9 |
| K0273.105 | polished | 50 | 2,3 | M5 | 14 | 24 | 11,5 | 12 |
| K0273.106 | polished | 50 | 2,3 | M6 | 14 | 24 | 11,5 | 12 |
| K0273.208 | polished | 75 | 3,4 | M8 | 21 | 35 | 16,5 | 15 |
| K0273.210 | polished | 75 | 3,4 | M10 | 21 | 35 | 16,5 | 15 |
| K0273.9041 | blasted | 38 | 1,7 | M4 | 10,5 | 18 | 8,5 | 9 |
| K0273.9051 | blasted | 38 | 1,7 | M5 | 10,5 | 18 | 8,5 | 9 |
| K0273.9061 | blasted | 38 | 1,7 | M6 | 10,5 | 18 | 8,5 | 9 |
| K0273.1051 | blasted | 50 | 2,3 | M5 | 14 | 24 | 11,5 | 12 |
| K0273.1061 | blasted | 50 | 2,3 | M6 | 14 | 24 | 11,5 | 12 |
| K0273.2081 | blasted | 75 | 3,4 | M8 | 21 | 35 | 16,5 | 15 |
| K0273.2101 | blasted | 75 | 3,4 | M10 | 21 | 35 | 16,5 | 15 |

Wing nuts

for Hygienic USIT® sealing and shim washer Freudenberg Process Seals



Material:

Steel parts stainless steel 1.4404.

Version:

High-gloss polished.

Sample order:

K1312.2004

Note:

The wing nut makes simple screw connections superbly feasible. They can be easily opened or re-tightened without tools.

The complete surface is polished to a high gloss with a surface finish of much less than Ra 0.8 µm.

The contour is produced with generous radii and transitions. It doesn't matter in which position the wing grip is mounted, dirt and residue from products or cleaners seldom adheres. Easy cleaning is ensured.

The Hygienic USIT® sealing and shim washers from Freudenberg Process are used to seal the screw-on point. The shaft of the wing nut is specially designed to suit this seal. An almost cavity-free seal of the screw-on point is created which satisfies hygienic regulations.

On request:

Other thread depths and inch threads.

Accessories:

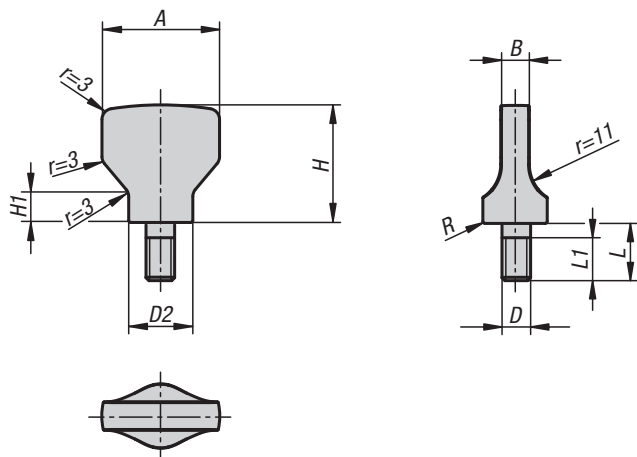
Hygienic USIT® sealing and shim washer K1491 for the screw-on surface.

KIPP Wing nuts for Hygienic USIT® sealing and shim washer Freudenberg Process Seals

| Order No. | A | B | D | D2 | H | H1 | R | T |
|------------|----|----|-----|------|----|-----|------|----|
| K1312.2004 | 20 | 4 | M4 | 10,8 | 19 | 5,3 | 0,45 | 6 |
| K1312.2105 | 21 | 5 | M5 | 11,8 | 21 | 6 | 0,5 | 6 |
| K1312.2506 | 25 | 6 | M6 | 14,2 | 25 | 7 | 0,55 | 7 |
| K1312.3308 | 33 | 8 | M8 | 18 | 33 | 8,4 | 0,7 | 9 |
| K1312.4010 | 40 | 10 | M10 | 22,3 | 40 | 10 | 0,8 | 11 |

Wing screws

for Hygienic USIT® sealing and shim washer Freudenberg Process Seals



Material:

Steel parts stainless steel 1.4404.

Version:

High-gloss polished.

Sample order:

K1313.2004X8

Note:

The wing screw makes simple screw connections superbly feasible. They can be easily opened or re-tightened without tools.

The complete surface is polished to a high gloss with a surface finish of much less than Ra 0.8 µm. The contour is produced with generous radii and transitions. It doesn't matter in which position the wing grip is mounted, dirt and residue from products or cleaners seldom adheres. Easy cleaning is ensured. The Hygienic USIT® sealing and shim washers from Freudenberg Process are used to seal the screw-on point. The shaft of the wing screw is specially designed to suit this seal. An almost cavity-free seal of the screw-on point is created which satisfies hygienic regulations.

On request:

Other screw lengths and inch threads.

Accessories:

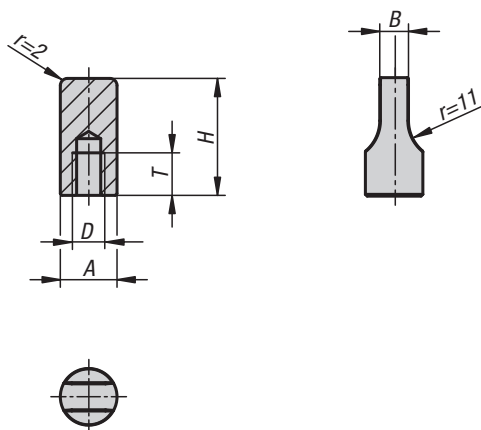
Hygienic USIT® sealing and shim washer K1491 for the screw-on surface.

KIPP Wing screws for Hygienic USIT® sealing and shim washer Freudenberg Process Seals

| Order No. | A | B | D | D2 | H | H1 | L | L1 | R |
|---------------|----|----|-----|------|----|-----|----|----|------|
| K1313.2004X8 | 20 | 4 | M4 | 10,8 | 19 | 5,3 | 8 | 7 | 0,45 |
| K1313.2105X10 | 21 | 5 | M5 | 11,8 | 21 | 6 | 10 | 9 | 0,5 |
| K1313.2506X12 | 25 | 6 | M6 | 14,2 | 25 | 7 | 12 | 11 | 0,55 |
| K1313.3308X16 | 33 | 8 | M8 | 18 | 33 | 8,4 | 16 | 15 | 0,7 |
| K1313.4010X20 | 40 | 10 | M10 | 22,3 | 40 | 10 | 20 | 19 | 0,8 |

Wing nuts narrow

in Hygienic DESIGN



Material:

Stainless steel 1.4404.

Version:

Polished.

Sample order:

K1314.04

Note:

The wing nut makes simple screw connections feasible. They can be easily opened or re-tightened without tools.

The complete surface is polished with a surface finish of less than $Ra\ 0.8\ \mu m$. The contour is rounded with smooth transitions. Due to the polished surface dirt and residue from products or cleaners seldom adheres. Easy cleaning is ensured.

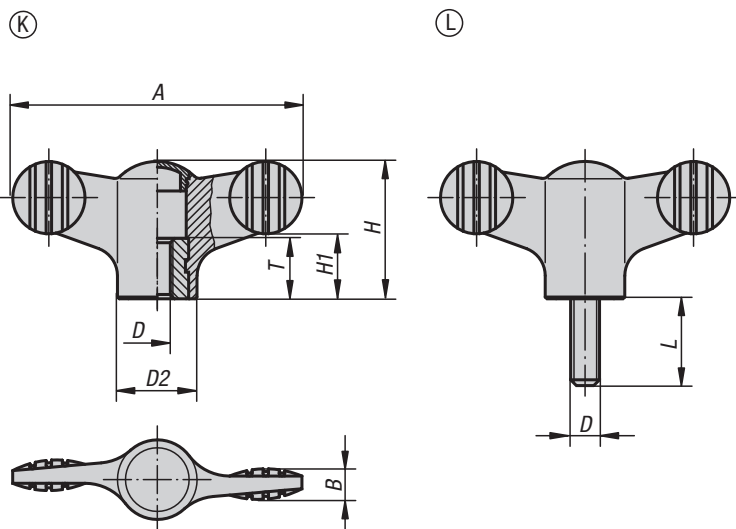
On request:

Inch threads, external threads.

KIPP Wing nuts narrow in Hygienic DESIGN

| Order No. | A | B | D | H | T |
|-----------|----|-----|-----|----|----|
| K1314.04 | 9 | 4,5 | M4 | 20 | 6 |
| K1314.05 | 10 | 4,5 | M5 | 22 | 6 |
| K1314.06 | 12 | 5,5 | M6 | 22 | 7 |
| K1314.08 | 16 | 8 | M8 | 25 | 9 |
| K1314.10 | 20 | 10 | M10 | 30 | 11 |

Wing grips



These modern wing grips represent the perfect constructive and technical solution for an absolutely natural grip, enabling more comfortable handling than ever before.

Material:

Grip black thermoplastic.
Bush and screw steel 5.8 or stainless steel 1.4305.

Version:

Bush or screw trivalent blue passivated steel or bright stainless steel.

Sample order:

K0274.1057X20
(cap colour bright yellow; include length L)

Note:

Δ Add the desired cap colour here.

No colour code is required for black grey caps.



KIPP Wing grips with internal thread

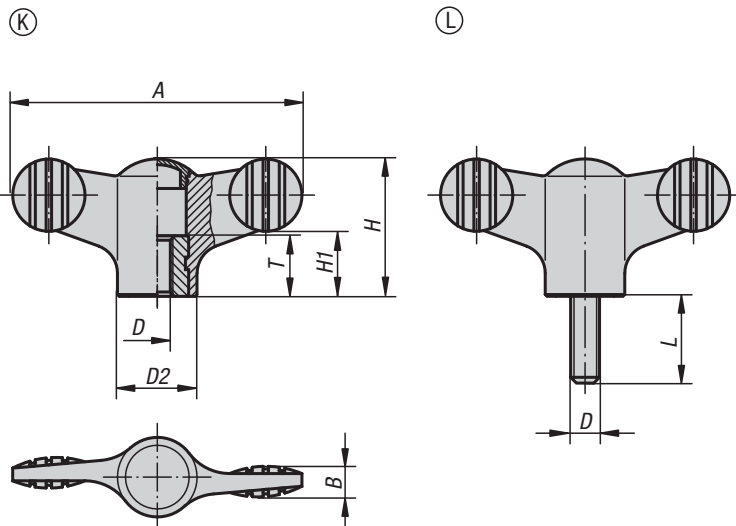
| Order No. steel | Order No. stainless steel | A | B | D | D2 | H | H1 | T |
|--------------------|------------------------------|----|-----|-----|----|------|------|----|
| K0274.904Δ | K0274.0904Δ | 38 | 4,5 | M4 | 12 | 18 | 8,5 | 10 |
| K0274.905Δ | K0274.0905Δ | 38 | 4,5 | M5 | 12 | 18 | 8,5 | 10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

KIPP Wing grips with external thread

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

Wing grips antibacterial

metal parts stainless steel



Material:

Thermoplastic, slate grey.
Bush and screw stainless steel 1.4305.

Version:

Bush and screw bright.

Sample order:

K0274.120106144X20

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA). The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

KIPP Wing grips antibacterial internal thread, metal parts stainless steel

| Order No. | Form | D | A | B | D2 | H | H1 | T |
|-----------------|------|----|----|---|----|----|------|----|
| K0274.120106144 | K | M6 | 50 | 5 | 14 | 24 | 11,5 | 10 |

KIPP Wing grips antibacterial external thread, metal parts stainless steel

| Order No. | Form | D | A | B | D2 | H | H1 | L |
|--------------------|------|----|----|---|----|----|------|----|
| K0274.120106144X20 | L | M6 | 50 | 5 | 14 | 24 | 11,5 | 20 |

Wing grips antistatic



Material:

Thermoplastic, graphite black.
Bush or screw steel 5.8.

Version:

Screw blue passivated.

Sample order:

K0274.1110624X20

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Safety:

These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

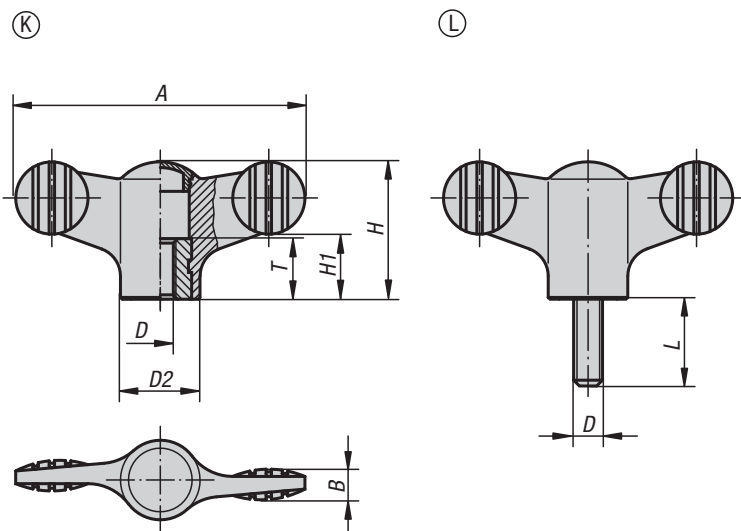
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.



KIPP Wing grips antistatic with internal thread

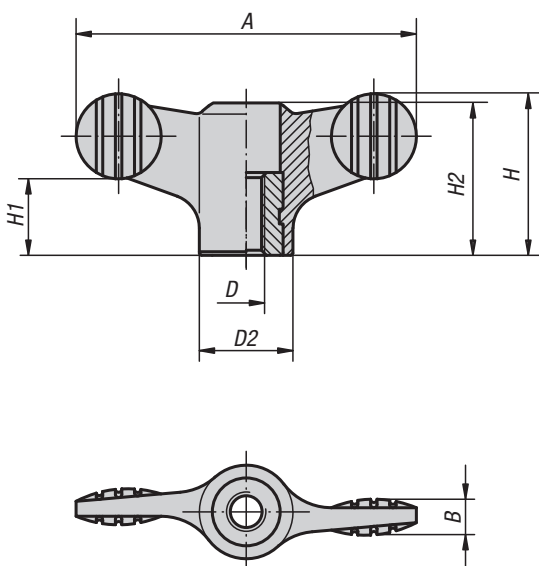
| Order No. | Form | A | B | D | D2 | H | H1 | T |
|---------------|------|----|---|----|----|----|------|----|
| K0274.1110624 | K | 50 | 5 | M6 | 14 | 24 | 11,5 | 10 |

KIPP Wing grips antistatic with external thread

| Order No. | Form | A | B | D | D2 | H | H1 | L |
|------------------|------|----|---|----|----|----|------|----|
| K0274.1110624X20 | L | 50 | 5 | M6 | 14 | 24 | 11,5 | 20 |

Wing grips

tapped through



These modern wing grips represent the perfect constructive and technical solution for an absolutely natural grip. It enables more comfortable handling than ever before.

Material:

Grip thermoplastic.

Bush steel 5.8 or stainless steel 1.4305.

Version:

Grip black grey.

Bush trivalent blue passivated steel or bright stainless steel.

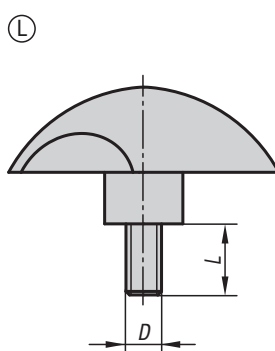
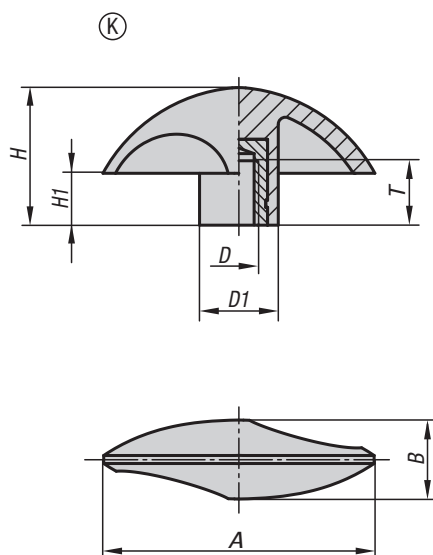
Sample order:

K0274.1904

KIPP Wing grips with tapped through bush

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

Wing grips

**Material:**

Grip polyamide, glass bead reinforced.
Bush brass or steel.
Screw steel.

Version:

Steel electro zinc-plated.

Sample order:

K0783.15006

Note:

Temperature resistance from -50 °C to 130 °C.
Resistant to common chemicals and oils.

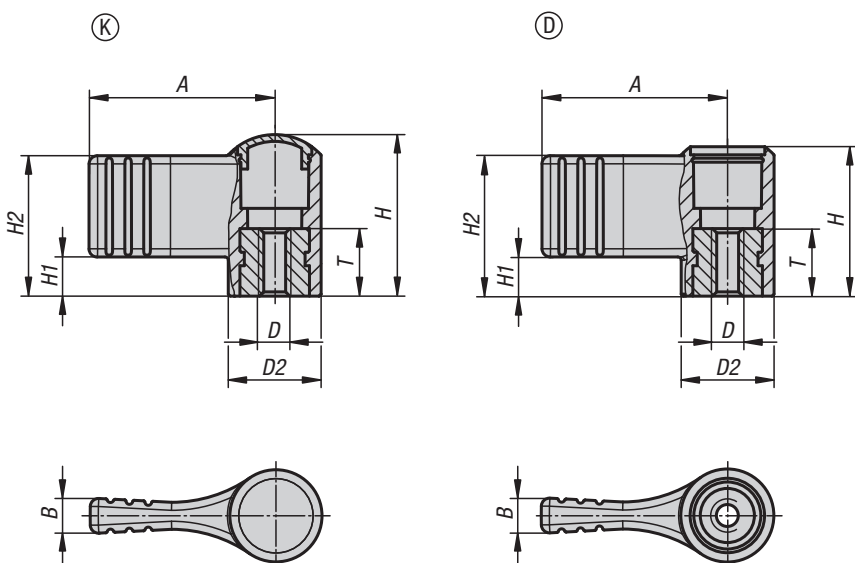
KIPP Wing grips with internal thread

| Order No. | Form | A | B | D | D1 | H | H1 | T |
|-------------|------|------|----|-----|----|------|------|----|
| K0783.15006 | K | 51 | 15 | M6 | 15 | 25,5 | 9,5 | 14 |
| K0783.16008 | K | 61,5 | 18 | M8 | 18 | 31 | 11,5 | 14 |
| K0783.17510 | K | 76 | 22 | M10 | 22 | 38,5 | 14,5 | 14 |

KIPP Wing grips with external thread

| Order No. | Form | A | B | D | D1 | H | H1 | L |
|----------------|------|------|----|-----|----|------|------|----|
| K0783.25006X15 | L | 51 | 15 | M6 | 15 | 25,5 | 9,5 | 15 |
| K0783.26008X20 | L | 61,5 | 18 | M8 | 18 | 31 | 11,5 | 20 |
| K0783.27510X20 | L | 76 | 22 | M10 | 22 | 38,5 | 14,5 | 20 |

Wing grips one-sided



Material:

Thermoplastic.
Bush steel 5.8 or stainless steel 1.4305.

Version:

Grip black grey.
Bush trivalent blue passivated steel or bright stainless steel.

Sample order:

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

Note:

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

Drawing reference:

Form K with cap.
Form D without cap.



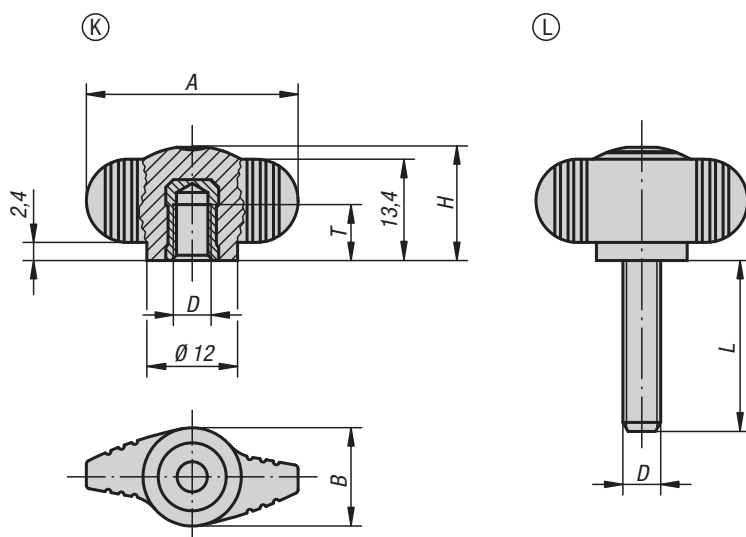
KIPP Wing grips, one-sided without cap

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

KIPP Wing grips, one-sided with cap

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

Wing grips "Miniwing"



Technical freedom played an important role during the development of these small sized wing grips. The result is a miniwing that is far more than a means to an end. It is a rational and comfortable to use operating and working element.

Material:

Grip black grey thermoplastic.

Bush brass or stainless steel 1.4305.

Screw steel 5.8 or stainless steel 1.4305.

Version:

Steel trivalent blue passivated.

Stainless steel, bright.

Sample order:

K0274.005X10 (include length L)

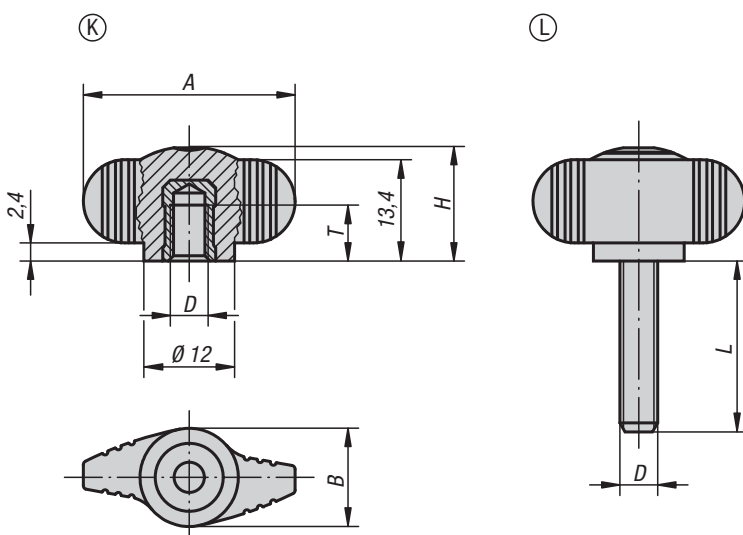
KIPP Wing grips "Miniwing" with internal thread

| Order No. | Form | Component material | A | B | D | H | T |
|------------|------|--------------------|----|----|----|----|-----|
| K0274.004 | K | brass | 28 | 13 | M4 | 15 | 6 |
| K0274.005 | K | brass | 28 | 13 | M5 | 15 | 7,5 |
| K0274.006 | K | brass | 28 | 13 | M6 | 15 | 9 |
| K0274.0004 | K | stainless steel | 28 | 13 | M4 | 15 | 6 |
| K0274.0005 | K | stainless steel | 28 | 13 | M5 | 15 | 7,5 |
| K0274.0006 | K | stainless steel | 28 | 13 | M6 | 15 | 9 |

KIPP Wing grips "Miniwing" with external thread

| Order No. steel | Order No. stainless steel | Form | A | B | D | H | L |
|-----------------|---------------------------|------|----|----|----|----|----------------|
| K0274.004X | K0274.0004X | L | 28 | 13 | M4 | 15 | 8 |
| K0274.005X | K0274.0005X | L | 28 | 13 | M5 | 15 | 10/15/20 |
| K0274.006X | K0274.0006X | L | 28 | 13 | M6 | 15 | 10/15/20/25/30 |
| K0274.008X | K0274.0008X | L | 28 | 13 | M8 | 15 | 20/25/30/40 |

Wing grips "Miniwing" biopolymer

**Material:**

Biopolymer, beech.

Bush brass or threaded pin steel 5.8.

Version:

Screw trivalent blue passivated.

Natural beech with beech fibres or coloured black grey.

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).

Conservation of finite fossil resources.

The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

Excellent mechanical stability (certified with a minimum of 2x safety factor).

Biopolymer is suitable for recycling (comparable to thermoplastics).

Suitable for outdoor use (not biodegradable).

Excellent resistance to strong acids and lyes.

Short-term resistance to alcohol, fuel, mineral oil and grease.

KIPP Wing grips "Miniwing" with internal thread

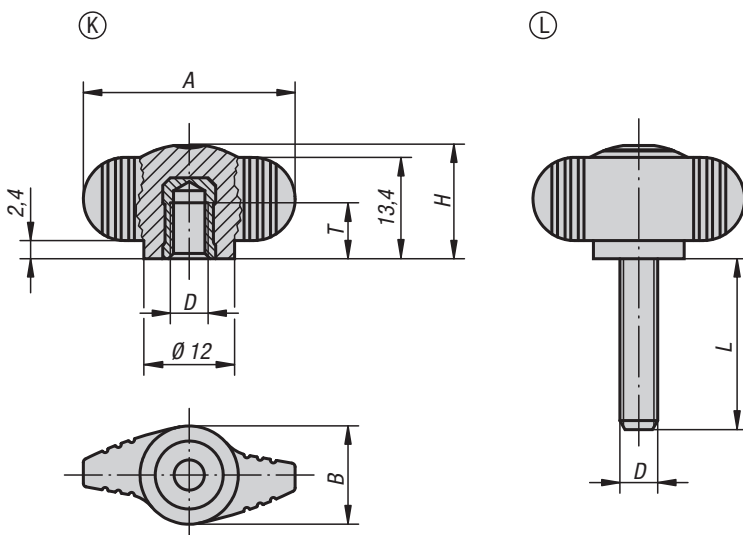
| Order No. | Form | Main colour | D | A | B | H | T |
|----------------|------|---------------------|----|----|----|----|-----|
| K0274.1000490 | K | black grey RAL 7021 | M4 | 28 | 13 | 15 | 6 |
| K0274.10004143 | K | natural beech | M4 | 28 | 13 | 15 | 6 |
| K0274.1000590 | K | black grey RAL 7021 | M5 | 28 | 13 | 15 | 7,5 |
| K0274.10005143 | K | natural beech | M5 | 28 | 13 | 15 | 7,5 |
| K0274.1000690 | K | black grey RAL 7021 | M6 | 28 | 13 | 15 | 9 |
| K0274.10006143 | K | natural beech | M6 | 28 | 13 | 15 | 9 |

KIPP Wing grips "Miniwing" external thread

| Order No. | Form | Main colour | A | B | D | H | L |
|-------------------|------|---------------------|----|----|----|----|----|
| K0274.1000490X8 | L | black grey RAL 7021 | 28 | 13 | M4 | 15 | 8 |
| K0274.10004143X8 | L | natural beech | 28 | 13 | M4 | 15 | 8 |
| K0274.1000590X15 | L | black grey RAL 7021 | 28 | 13 | M5 | 15 | 15 |
| K0274.10005143X15 | L | natural beech | 28 | 13 | M5 | 15 | 15 |
| K0274.1000690X15 | L | black grey RAL 7021 | 28 | 13 | M6 | 15 | 15 |
| K0274.10006143X15 | L | natural beech | 28 | 13 | M6 | 15 | 15 |
| K0274.1000890X20 | L | black grey RAL 7021 | 28 | 13 | M8 | 15 | 20 |
| K0274.10008143X20 | L | natural beech | 28 | 13 | M8 | 15 | 20 |

Wing grips "Miniwing" antibacterial

metal parts stainless steel



Material:

Thermoplastic, slate grey.
Bush and screw stainless steel 1.4305.

Version:

Bush and screw bright.

Sample order:

K0274.120006144

Application:

The antibacterial KIPP MEDI grip products are highly effective against a variety of hazardous microorganisms, such as bacteria, fungi and even multi-resistant bacteria (e.g. MRSA). The plastic used incorporates micro-silver particles with an antimicrobial effect to ensure effective results throughout the entire product life cycle.

Function:

The growth of harmful micro-organisms on the product surface is effectively disrupted by means of silver ions, and the existing germs on MEDI grip products are consistently reduced (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection through touching these products is significantly lower.

Advantages:

Resistant to humidity and cleaning products (during disinfection) with no toxic side effects.

Applications:

For installation on machines, equipment, plants and furnishings in areas with increased hygienic requirements (including hospitals, doctors' surgeries, rehabilitation centres and food production facilities), as well as for use in public areas or regularly frequented institutions (i.e. nursing homes or daycare centres).

KIPP Wing grips "Miniwing" antibacterial internal thread, metal parts stainless steel

| Order No. | Form | A | B | D | H | T |
|-----------------|------|----|----|----|----|---|
| K0274.120006144 | K | 28 | 13 | M6 | 15 | 9 |

KIPP Wing grips "Miniwing" antibacterial external thread, metal parts stainless steel

| Order No. | Form | A | B | D | H | L |
|--------------------|------|----|----|----|----|----|
| K0274.120006144X15 | L | 28 | 13 | M6 | 15 | 15 |

Wing grips "Miniwing" antistatic



Material:

Thermoplastic, graphite black.
Bush brass or threaded pin steel 5.8.

Version:

Screw blue passivated.

Sample order:

K0274.1100624X15

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Safety:

These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

Use of these ESD products prevents the occurrence of electrostatic spark discharges, eliminating the potential ignition of gases and dusts which could lead to explosions in enclosed spaces.

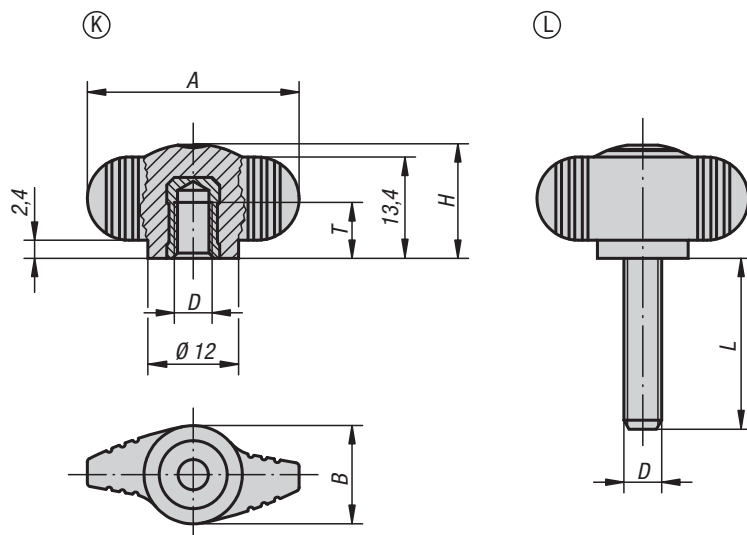
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

These ESD products are certified by TÜV-Süd in relation to their electrical discharge capability.

Target groups:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.



KIPP Wing grips "Miniwing" antistatic with internal thread

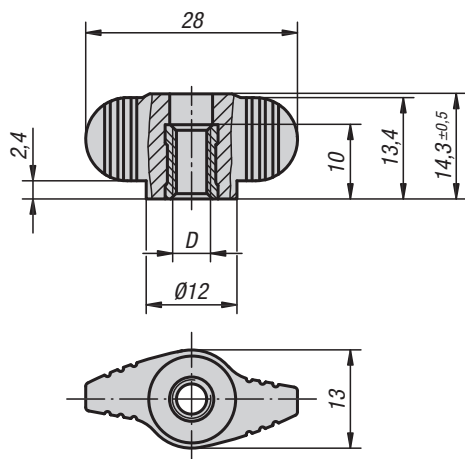
| Order No. | A | B | D | H | T |
|---------------|----|----|----|----|---|
| K0274.1100624 | 28 | 13 | M6 | 15 | 9 |

KIPP Wing grips "Miniwing" antistatic with external thread

| Order No. | A | B | D | H | L |
|------------------|----|----|----|----|----|
| K0274.1100624X15 | 28 | 13 | M6 | 15 | 15 |

Wing grips "Miniwing"

tapped through



Technical freedom played an important role during the development of these small sized wing grips. The result is a miniwing that is far more than a means to an end. It is a rational and comfortable to use operating and working element.

Material:

Grip thermoplastic.

Bush steel 5.8 or stainless steel 1.4305.

Version:

Grip black grey.

Steel trivalent blue passivated.

Stainless steel bright.

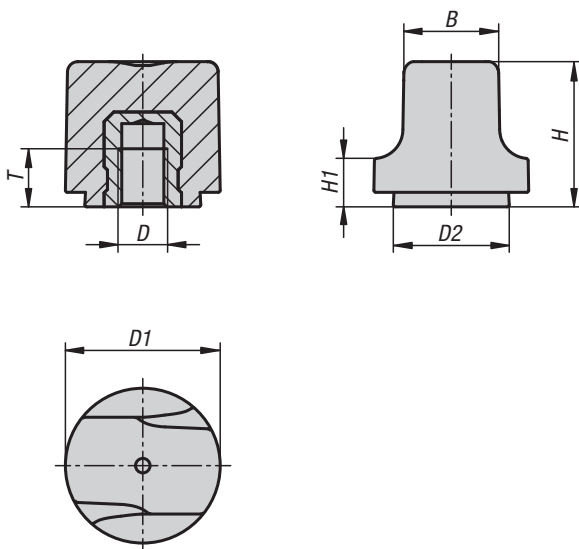
Sample order:

K0658.1004

KIPP Wing grips "Miniwing" with tapped through bush

| Order No. | Component material | D |
|-------------|--------------------|----|
| K0658.1004 | steel | M4 |
| K0658.1005 | steel | M5 |
| K0658.1006 | steel | M6 |
| K0658.10004 | stainless steel | M4 |
| K0658.10005 | stainless steel | M5 |
| K0658.10006 | stainless steel | M6 |

Grip nuts

**Material:**

Thermoplastic black.
Bush steel, stainless steel or brass.

Version:

Bush blue passivated steel, stainless steel and brass bright.

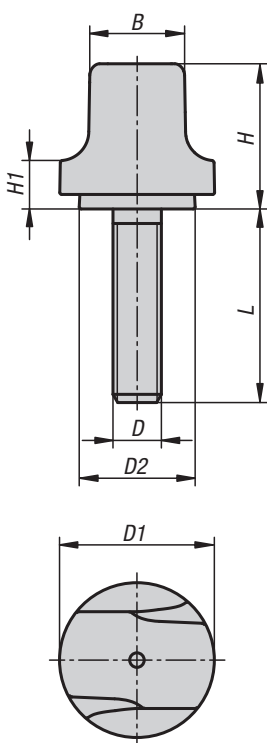
Sample order:

K1126.103

KIPP Grip nuts

| Order No. | Component material | B | D | D1 | D2 | H | H1 | T |
|------------|--------------------|------|----|----|------|------|-----|-----|
| K1126.103 | brass | 10 | M3 | 16 | 12 | 15 | 5 | 4,5 |
| K1126.104 | brass | 10 | M4 | 16 | 12 | 15 | 5 | 6 |
| K1126.204 | brass | 12,3 | M4 | 20 | 15 | 18,5 | 6 | 6 |
| K1126.205 | brass | 12,3 | M5 | 20 | 15 | 18,5 | 6 | 6 |
| K1126.305 | steel | 15,3 | M5 | 25 | 18,7 | 22,9 | 7,3 | 8,5 |
| K1126.306 | steel | 15,3 | M6 | 25 | 18,7 | 22,9 | 7,3 | 9 |
| K1126.1003 | stainless steel | 10 | M3 | 16 | 12 | 15 | 5 | 4,5 |
| K1126.1004 | stainless steel | 10 | M4 | 16 | 12 | 15 | 5 | 6 |
| K1126.2004 | stainless steel | 12,3 | M4 | 20 | 15 | 18,5 | 6 | 6 |
| K1126.2005 | stainless steel | 12,3 | M5 | 20 | 15 | 18,5 | 6 | 6 |
| K1126.3005 | stainless steel | 15,3 | M5 | 25 | 18,7 | 22,9 | 7,3 | 8,5 |
| K1126.3006 | stainless steel | 15,3 | M6 | 25 | 18,7 | 22,9 | 7,3 | 9 |

Grip screws



Material:

Thermoplastic black. Screw steel or stainless steel.

Version:

Screw blue passivated steel or bright stainless steel.

Sample order:

K1126.103X8 (include length L.)

KIPP Grip screws

| Order No. steel | Order No. stainless steel | B | D | D1 | D2 | H | H1 | L |
|--------------------|------------------------------|------|----|----|------|------|-----|-------------|
| K1126.103X | K1126.1003X | 10 | M3 | 16 | 12 | 15 | 5 | 8/10/12/15 |
| K1126.104X | K1126.1004X | 10 | M4 | 16 | 12 | 15 | 5 | 10/15/20 |
| K1126.105X | K1126.1005X | 10 | M5 | 16 | 12 | 15 | 5 | 10/15/20 |
| K1126.204X | K1126.2004X | 12,3 | M4 | 20 | 15 | 18,5 | 6 | 10/15/20 |
| K1126.205X | K1126.2005X | 12,3 | M5 | 20 | 15 | 18,5 | 6 | 10/15/20/25 |
| K1126.206X | K1126.2006X | 12,3 | M6 | 20 | 15 | 18,5 | 6 | 10/15/20/25 |
| K1126.305X | K1126.3005X | 15,3 | M5 | 25 | 18,7 | 22,9 | 7,3 | 10/15/20/25 |
| K1126.306X | K1126.3006X | 15,3 | M6 | 25 | 18,7 | 22,9 | 7,3 | 10/15/20/25 |
| K1126.308X | K1126.3008X | 15,3 | M8 | 25 | 18,7 | 22,9 | 7,3 | 15/20/25/30 |

T-grips

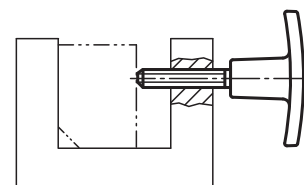
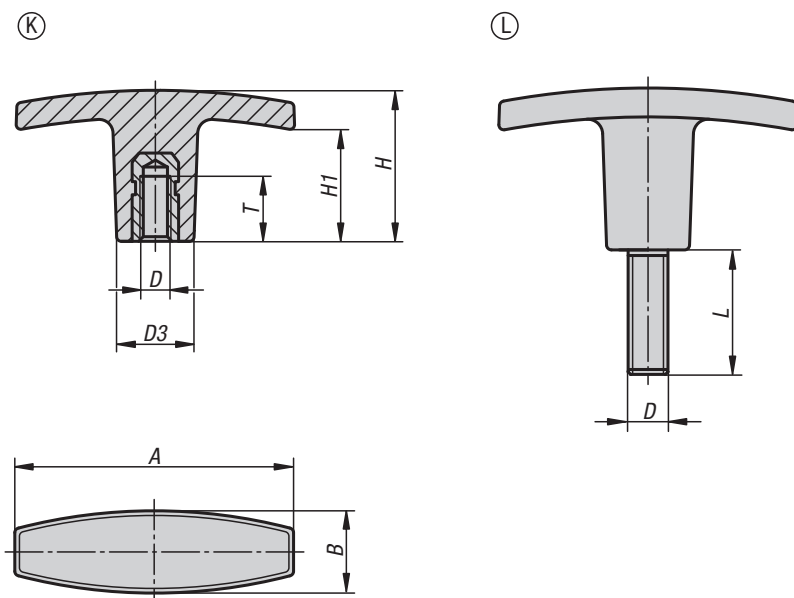


Material:
Fibreglass reinforced thermoplastic.
Tapped bush brass.
Screw steel.

Version:
Grip, black.
Screw electro zinc-plated.

Sample order:
K0180.25005X15 (include length L)

On request:
Grip colour red, yellow, green, blue, white or grey (min. quantity 500).



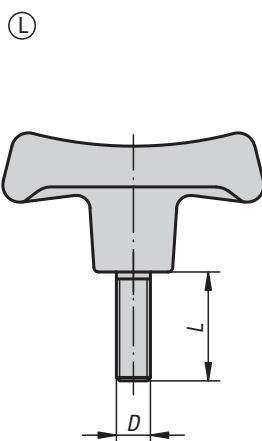
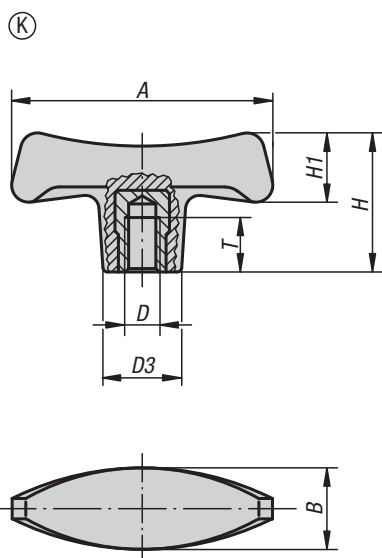
KIPP T-grips, with internal thread

| Order No. | Form | A | B | D | D3 | H | H1 | T |
|-------------|------|----|------|-----|----|------|----|----|
| K0180.14005 | K | 40 | 13 | M5 | 13 | 30,5 | 20 | 10 |
| K0180.15005 | K | 50 | 15 | M5 | 14 | 24 | 16 | 10 |
| K0180.16006 | K | 60 | 17 | M6 | 16 | 31,5 | 23 | 12 |
| K0180.17108 | K | 71 | 19,5 | M8 | 20 | 36 | 19 | 20 |
| K0180.17110 | K | 71 | 19,5 | M10 | 20 | 36 | 19 | 20 |
| K0180.18010 | K | 80 | 26 | M10 | 26 | 39,5 | 26 | 25 |
| K0180.18012 | K | 80 | 26 | M12 | 26 | 39,5 | 26 | 25 |

KIPP T-grips, with external thread

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

T-grips



Material:

Thermoset PF 31, black.

Steel bush and stud, electro zinc-plated.

Version:

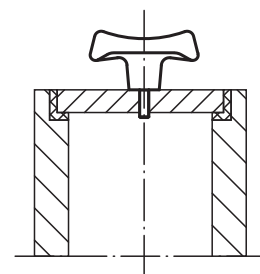
High-gloss polished.

Sample order:

K0181.27006X18 (include length L)

On request:

Other screw sizes, screw lengths and colours.



KIPP T-grips, with internal thread

| Order No. | Form | A | B | D | D3 | H | H1 | T |
|-------------|------|----|----|-----|------|------|------|----|
| K0181.17006 | K | 70 | 22 | M6 | 19,6 | 38,8 | 20,2 | 12 |
| K0181.17008 | K | 70 | 22 | M8 | 19,6 | 38,8 | 20,2 | 14 |
| K0181.17010 | K | 70 | 22 | M10 | 19,6 | 38,8 | 20,2 | 14 |
| K0181.18008 | K | 80 | 25 | M8 | 22,3 | 44 | 23 | 14 |
| K0181.18010 | K | 80 | 25 | M10 | 22,3 | 44 | 23 | 22 |
| K0181.19010 | K | 90 | 28 | M10 | 25 | 49,6 | 26 | 22 |
| K0181.19012 | K | 90 | 28 | M12 | 25 | 49,6 | 26 | 21 |

KIPP T-grips, with external thread

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

T-grips stainless steel



Material:

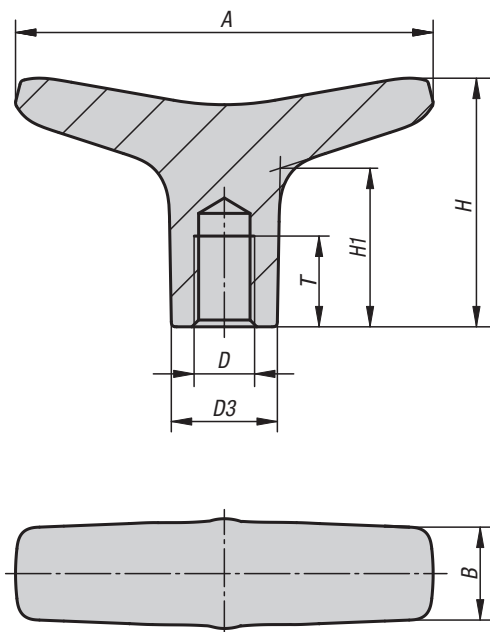
Stainless steel 1.4308.

Version:

Electropolished or blasted.

Sample order:

K1203.55061

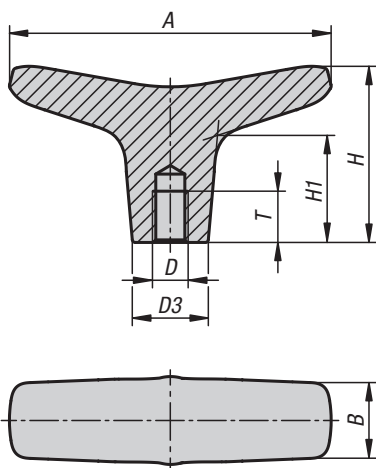


KIPP T-grips, stainless steel

| Order No. | Surface finish body | A | B | D | D3 | H | H1 | T |
|-------------|------------------------|------|------|-----|----|------|------|----|
| K1203.55061 | blasted | 55,2 | 12,3 | M6 | 14 | 32,9 | 21 | 12 |
| K1203.55081 | blasted | 55,2 | 12,3 | M8 | 14 | 32,9 | 21 | 12 |
| K1203.65061 | blasted | 65,3 | 14 | M6 | 16 | 37 | 22,7 | 16 |
| K1203.65081 | blasted | 65,3 | 14 | M8 | 16 | 37 | 22,7 | 16 |
| K1203.65101 | blasted | 65,3 | 14 | M10 | 16 | 37 | 22,7 | 16 |
| K1203.75101 | blasted | 75,3 | 17,8 | M10 | 20 | 41,2 | 24,9 | 16 |
| K1203.75121 | blasted | 75,3 | 17,8 | M12 | 20 | 41,2 | 24,9 | 16 |
| K1203.55062 | electropolished | 55,2 | 12,3 | M6 | 14 | 32,9 | 21 | 12 |
| K1203.55082 | electropolished | 55,2 | 12,3 | M8 | 14 | 32,9 | 21 | 12 |
| K1203.65062 | electropolished | 65,3 | 14 | M6 | 16 | 37 | 22,7 | 16 |
| K1203.65082 | electropolished | 65,3 | 14 | M8 | 16 | 37 | 22,7 | 16 |
| K1203.65102 | electropolished | 65,3 | 14 | M10 | 16 | 37 | 22,7 | 16 |
| K1203.75102 | electropolished | 75,3 | 17,8 | M10 | 20 | 41,2 | 24,9 | 16 |
| K1203.75122 | electropolished | 75,3 | 17,8 | M12 | 20 | 41,2 | 24,9 | 16 |

T-grips with female thread in stainless steel

for Hygienic USIT® sealing and shim washer Freudenberg Process Seals


Material:

Stainless steel 1.4404.

Version:

High-gloss polished.

Sample order:

K1515.5505

Note:

The complete surface is polished to a high gloss with a surface finish of Ra 0.8 µm. This means that dirt and impurities can hardly adhere. Easy cleaning is ensured. The Hygienic USIT® sealing and shim washers from Freudenberg Process are used to seal the fastening point. The shaft of the T-grip is specially designed to suit this seal. A cavity-free seal of the fastening point is created, which satisfies hygienic regulations.

On request:

Other thread depths, inch threads, male threads.

Accessories:

Hygienic USIT® sealing and shim washer K1491 for the screw-on surface.

KIPP T-grips with female thread in stainless steel for Hygienic USIT® sealing and shim washer Freudenberg Process Seals

| Order No. | A | B | D | D3 | H | H1 | T |
|------------|------|------|----|-------|------|------|-----|
| K1515.5505 | 55,2 | 12,3 | M5 | 11,65 | 32,9 | 21 | 7,5 |
| K1515.6506 | 65,3 | 14 | M6 | 14 | 37 | 22,7 | 9 |
| K1515.7508 | 75,3 | 17,7 | M8 | 17,8 | 41,2 | 24,9 | 12 |

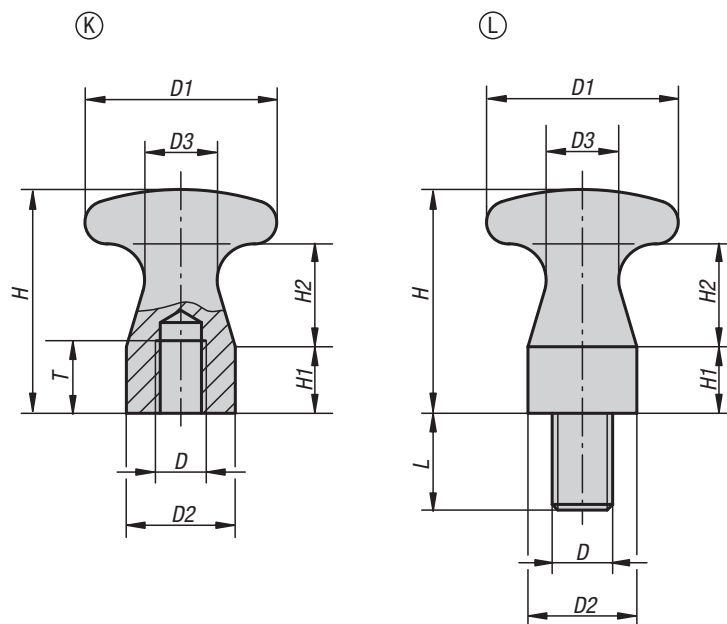
Knobs flat



Material:
Steel.

Version:
Black oxidised.

Sample order:
K0157.08



KIPP Knobs flat, internal thread

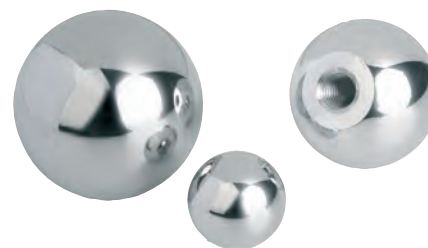
| Order No. | Form | D | D1 | D2 | D3 | H | H1 | H2 | T |
|-----------|------|-----|----|----|----|----|----|----|----|
| K0157.05 | K | M5 | 16 | 10 | 6 | 18 | 5 | 9 | 7 |
| K0157.06 | K | M6 | 25 | 14 | 10 | 29 | 9 | 13 | 9 |
| K0157.08 | K | M8 | 32 | 18 | 12 | 37 | 11 | 17 | 12 |
| K0157.10 | K |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

KIPP Knobs flat, external thread

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

Ball knobs

stainless steel or aluminium, DIN 319

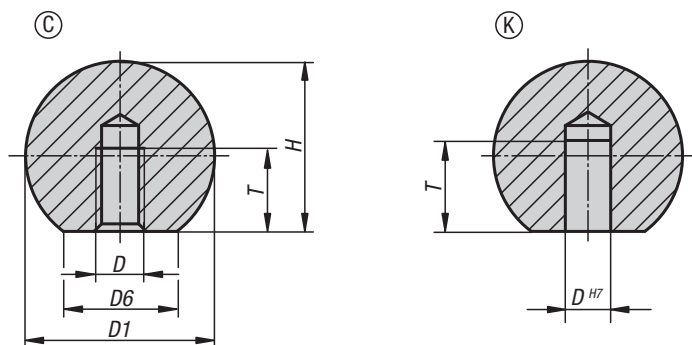


Material:
Stainless steel 1.4301, 1.4305 or aluminium.

Version:
Polished.

Sample order:
K0650.116043

Drawing reference:
Form C: tapped hole
Form K: reamed hole



KIPP Ball Knobs, stainless steel or aluminium to DIN 319

| Order No. | Form | Main material | Steel code | D | D1 | D6 | H | T |
|--------------|------|-----------------|------------|-----|----|----|------|------|
| K0650.116044 | C | stainless steel | 1.4301 | M4 | 16 | 8 | 15 | 7,2 |
| K0650.120054 | C | stainless steel | 1.4301 | M5 | 20 | 12 | 18 | 9,1 |
| K0650.125064 | C | stainless steel | 1.4301 | M6 | 25 | 15 | 22,5 | 11 |
| K0650.132084 | C | stainless steel | 1.4301 | M8 | 32 | 18 | 29 | 14,5 |
| K0650.140104 | C | stainless steel | 1.4301 | M10 | 40 | 22 | 37 | 18 |
| K0650.150124 | C | stainless steel | 1.4301 | M12 | 50 | 28 | 46 | 21 |
| K0650.116042 | C | aluminium | - | M4 | 16 | 8 | 15 | 7,2 |
| K0650.120052 | C | aluminium | - | M5 | 20 | 12 | 18 | 9,1 |
| K0650.125062 | C | aluminium | - | M6 | 25 | 15 | 22,5 | 11 |
| K0650.132082 | C | aluminium | - | M8 | 32 | 18 | 29 | 14,5 |
| K0650.140102 | C | aluminium | - | M10 | 40 | 22 | 37 | 18 |
| K0650.150122 | C | aluminium | - | M12 | 50 | 28 | 46 | 21 |

| Order No. | Form | Main material | Steel code | D | D1 | D6 | H | T |
|--------------|------|-----------------|------------|----|----|----|------|----|
| K0650.316043 | K | stainless steel | 1.4305 | 6 | 16 | 8 | 15 | 10 |
| K0650.320053 | K | stainless steel | 1.4305 | 8 | 20 | 12 | 18 | 12 |
| K0650.325063 | K | stainless steel | 1.4305 | 10 | 25 | 15 | 22,5 | 16 |
| K0650.332083 | K | stainless steel | 1.4305 | 12 | 32 | 18 | 29 | 20 |
| K0650.340103 | K | stainless steel | 1.4305 | 16 | 40 | 22 | 37 | 25 |
| K0650.350123 | K | stainless steel | 1.4305 | 20 | 50 | 28 | 46 | 32 |
| K0650.316042 | K | aluminium | - | 6 | 16 | 8 | 15 | 10 |
| K0650.320052 | K | aluminium | - | 8 | 20 | 12 | 18 | 12 |
| K0650.325062 | K | aluminium | - | 10 | 25 | 15 | 22,5 | 16 |
| K0650.332082 | K | aluminium | - | 12 | 32 | 18 | 29 | 20 |
| K0650.340102 | K | aluminium | - | 16 | 40 | 22 | 37 | 25 |
| K0650.350122 | K | aluminium | - | 20 | 50 | 28 | 46 | 32 |

Ball knobs

thermoplastic, DIN 319 enhanced



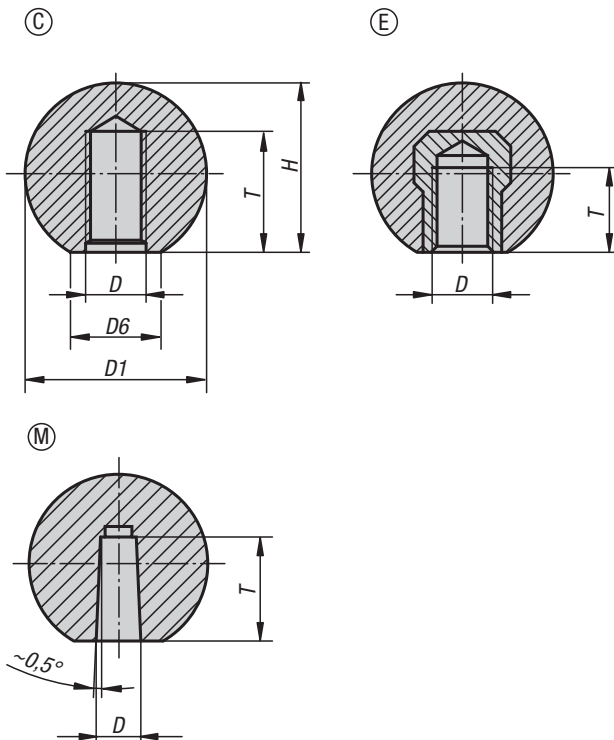
Material:
Black thermoplastic.
Bush steel.

Version:
Steel electro zinc-plated.

Sample order:
K0158.11604

On request:
Other colours.

Drawing reference:
Form C: plastic thread
Form E: tapped bush
Form M: tapered hole



KIPP Ball knobs thermoplastic DIN 319 enhanced

| Order No. | Form | D | D1 | D6 | H | T |
|-------------|------|-----|----|----|------|-----|
| K0158.11604 | C | M4 | 16 | 8 | 15 | 6 |
| K0158.11605 | C | M5 | 16 | 8 | 15 | 7,5 |
| K0158.12005 | C | M5 | 20 | 12 | 18 | 7,5 |
| K0158.12006 | C | M6 | 20 | 12 | 18 | 9 |
| K0158.12506 | C | M6 | 25 | 15 | 22,5 | 9 |
| K0158.12508 | C | M8 | 25 | 15 | 22,5 | 12 |
| K0158.13208 | C | M8 | 32 | 18 | 29 | 12 |
| K0158.13210 | C | M10 | 32 | 18 | 29 | 15 |
| K0158.14010 | C | M10 | 40 | 22 | 37 | 15 |
| K0158.14012 | C | M12 | 40 | 22 | 37 | 15 |
| K0158.22005 | E | M5 | 20 | 12 | 18 | 7,5 |
| K0158.22006 | E | M6 | 20 | 12 | 18 | 7,5 |
| K0158.22506 | E | M6 | 25 | 15 | 22,5 | 9 |
| K0158.22508 | E | M8 | 25 | 15 | 22,5 | 9 |
| K0158.23208 | E | M8 | 32 | 18 | 29 | 12 |
| K0158.23210 | E | M10 | 32 | 18 | 29 | 12 |
| K0158.32005 | M | 5 | 20 | 12 | 18 | 12 |
| K0158.32506 | M | 6 | 25 | 15 | 22,5 | 15 |
| K0158.32508 | M | 8 | 25 | 15 | 22,5 | 15 |
| K0158.33208 | M | 8 | 32 | 18 | 29 | 15 |
| K0158.33210 | M | 10 | 32 | 18 | 29 | 15 |
| K0158.34010 | M | 10 | 40 | 22 | 37 | 20 |
| K0158.34012 | M | 12 | 40 | 22 | 37 | 20 |

Ball knobs smooth

DIN 319 enhanced



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

Version:
High-gloss polished.

Sample order:
K0159.11604

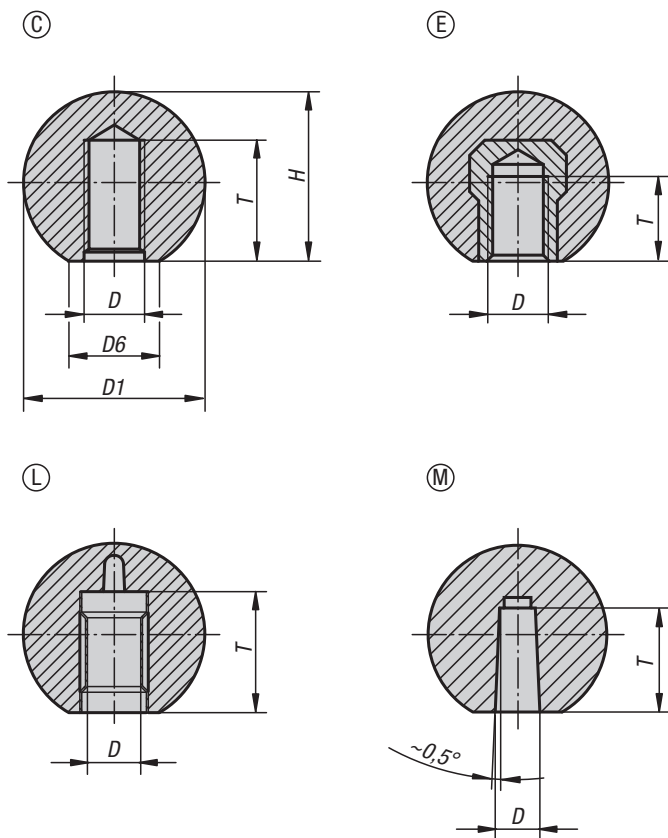
Note:
Assembly, Form L: The ball knobs are installed by tapping lightly with a hammer. Please only use a rubber or plastic hammer with a weight up to 200 g!

The version K0159.21604 has a brass bush.
The versions K0159.23008, K0159.23508 and K0159.24008 have copper plated steel bushes.

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

Shank tolerance:
Ball knobs with press-fit sleeve can be mounted on standard shafts with tolerance h9. The supplied press-fit sleeve assures a firm and reliable fit.

Drawing reference:
Form C: moulded thread
Form E: tapped bush
Form L: press-fit sleeve
Form M: tapered hole



KIPP Ball knobs smooth DIN 319 enhanced, Form C, with molded thread

| Order No. | Form | D | D1 | D6 | H | T |
|--------------|------|-----|----|----|------|-----|
| K0159.11604 | C | M4 | 16 | 8 | 15 | 6 |
| K0159.11605 | C | M5 | 16 | 8 | 15 | 7,5 |
| K0159.11606 | C | M6 | 16 | 8 | 15 | 9 |
| K0159.12005* | C | M5 | 20 | 12 | 18 | 7,5 |
| K0159.12006 | C | M6 | 20 | 12 | 18 | 9 |
| K0159.12506* | C | M6 | 25 | 15 | 23 | 9 |
| K0159.12508 | C | M8 | 25 | 15 | 23 | 12 |
| K0159.13008* | C | M8 | 30 | 16 | 28 | 12 |
| K0159.13208* | C | M8 | 32 | 18 | 29 | 12 |
| K0159.13210 | C | M10 | 32 | 18 | 29 | 15 |
| K0159.13508 | C | M8 | 36 | 17 | 33 | 18 |
| K0159.13510* | C | M10 | 36 | 17 | 33 | 15 |
| K0159.14008 | C | M8 | 40 | 20 | 37,5 | 12 |
| K0159.14010* | C | M10 | 40 | 20 | 37,5 | 15 |
| K0159.14012 | C | M12 | 40 | 20 | 37,5 | 18 |
| K0159.14510 | C | M10 | 45 | 20 | 43 | 15 |
| K0159.14512 | C | M12 | 45 | 20 | 43 | 18 |
| K0159.15010 | C | M10 | 50 | 22 | 48 | 15 |
| K0159.15012* | C | M12 | 50 | 28 | 48 | 18 |

Ball knobs smooth

DIN 319 enhanced



KIPP Ball knobs smooth DIN 319 enhanced, Form E, with tapped bush

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

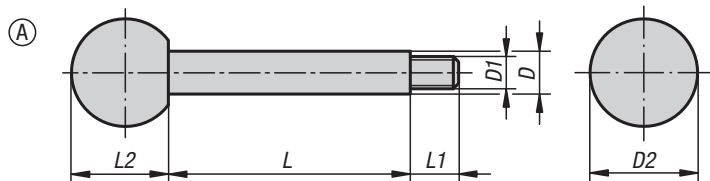
KIPP Ball knobs smooth DIN 319 enhanced, Form L, with clamping sleeve

| Order No. | Form | D | D1 | D6 | H | T |
|-------------|------|----|----|----|------|----|
| K0159.42005 | L | 5 | 20 | 12 | 18 | 13 |
| K0159.42506 | L | 6 | 25 | 15 | 23 | 16 |
| K0159.42508 | L | 8 | 25 | 15 | 23 | 15 |
| K0159.43208 | L | 8 | 32 | 18 | 29 | 15 |
| K0159.43210 | L | 10 | 32 | 18 | 29 | 20 |
| K0159.44010 | L | 10 | 40 | 20 | 37,5 | 20 |
| K0159.44012 | L | 12 | 40 | 20 | 37,5 | 23 |
| K0159.45012 | L | 12 | 50 | 28 | 48 | 20 |

KIPP Ball knobs smooth DIN 319 enhanced, Form M, with tapered bore

| Order No. | Form | D | D1 | D6 | H | T |
|-------------|------|----|----|----|------|----|
| K0159.31604 | M | 4 | 16 | 8 | 15 | 9 |
| K0159.32005 | M | 5 | 20 | 12 | 18 | 12 |
| K0159.32506 | M | 6 | 25 | 15 | 23 | 15 |
| K0159.32508 | M | 8 | 25 | 15 | 23 | 15 |
| K0159.33208 | M | 8 | 32 | 18 | 29 | 15 |
| K0159.33210 | M | 10 | 32 | 18 | 29 | 15 |
| K0159.34010 | M | 10 | 40 | 20 | 37,5 | 20 |
| K0159.34012 | M | 12 | 40 | 20 | 37,5 | 20 |
| K0159.35012 | M | 12 | 50 | 28 | 48 | 22 |

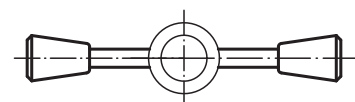
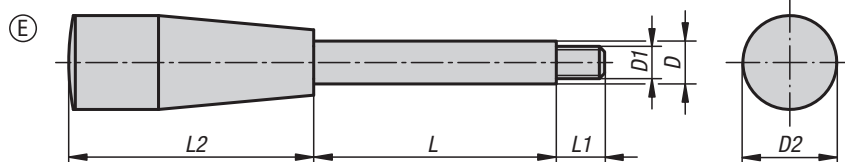
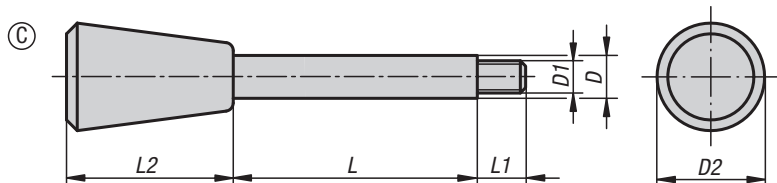
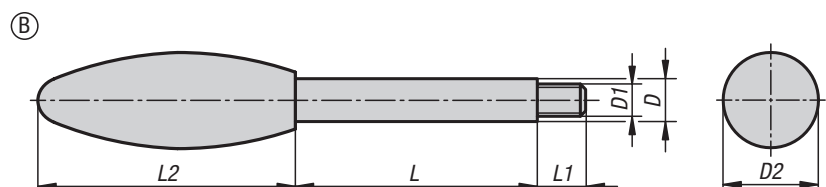
Handles



Material:
Knobs thermoset PF 31.
Rod steel 1.0718 or stainless steel 1.4305.

Version:
Thermoset black, high-gloss polished.
Steel black oxidised or bright stainless steel.

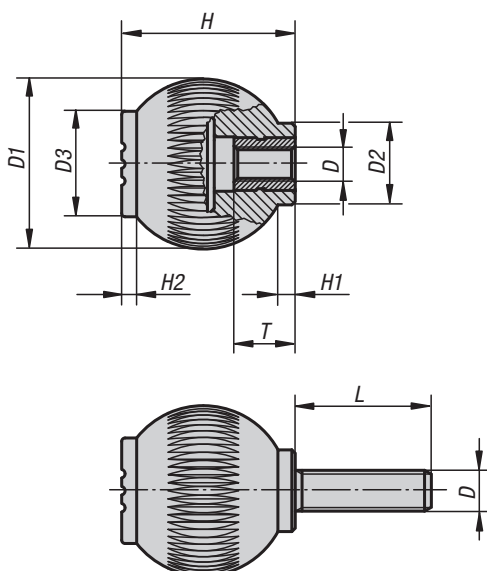
Sample order:
K0179.208X35 (include length L)



KIPP Handles

| Order No. steel | Order No. stainless steel | Form | D | D1 | D2 | L | L1 | L2 |
|--------------------|------------------------------|------|----|-----|----|----------------|----|----|
| K0179.208X | K0179.1208X | A | 8 | M6 | 20 | 35/50/65 | 9 | 18 |
| K0179.210X | K0179.1210X | A | 10 | M8 | 25 | 50/65/80/100 | 13 | 23 |
| K0179.212X | K0179.1212X | A | 12 | M10 | 32 | 65/80/100/125 | 15 | 29 |
| K0179.214X | K0179.1214X | A | 14 | M12 | 36 | 80/100/125/160 | 16 | 33 |
| K0179.708X | K0179.1708X | B | 8 | M6 | 23 | 35/50/65 | 9 | 60 |
| K0179.710X | K0179.1710X | B | 10 | M8 | 26 | 50/65/80/100 | 13 | 70 |
| K0179.712X | K0179.1712X | B | 12 | M10 | 35 | 65/80/100/125 | 15 | 85 |
| K0179.714X | K0179.1714X | B | 14 | M12 | 35 | 80/100/125/160 | 16 | 85 |
| K0179.408X | K0179.1408X | C | 8 | M6 | 20 | 35/50/65 | 9 | 31 |
| K0179.410X | K0179.1410X | C | 10 | M8 | 25 | 50/65/80/100 | 13 | 38 |
| K0179.412X | K0179.1412X | C | 12 | M10 | 30 | 65/80/100/125 | 15 | 46 |
| K0179.414X | K0179.1414X | C | 14 | M12 | 35 | 80/100/125/160 | 16 | 53 |
| K0179.608X | K0179.1608X | E | 8 | M6 | 17 | 35/50/65 | 9 | 45 |
| K0179.610X | K0179.1610X | E | 10 | M8 | 23 | 50/65/80/100 | 13 | 61 |
| K0179.612X | K0179.1612X | E | 12 | M10 | 29 | 65/80/100/125 | 15 | 71 |
| K0179.614X | K0179.1614X | E | 14 | M12 | 29 | 80/100/125/160 | 16 | 71 |

Spherical knobs



An ergonomically perfect product for a three dimensional grip, with a spherical surface that has vertical ribs to reduce slipping. Fulfills the requirements of diverse application sectors.

Material:

Black thermoplastic.

Bush and screw 5.8 steel or 1.4305 stainless steel.

Version:

Steel trivalent blue passivated, stainless steel bright.

Sample order:

K0253.1066X15

(cap colour traffic red; include length L.)

Note:

Δ Add the desired cap colour here.

No colour code is required for black grey caps.

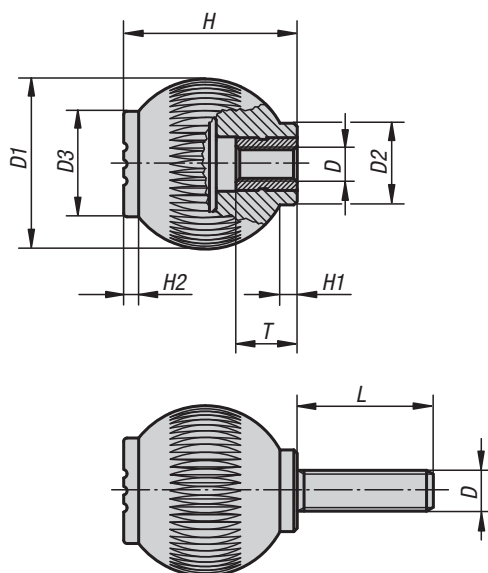
**KIPP Spherical knobs with internal thread**

| Order No. steel | Order No. stainless steel | D | D1 | D2 | D3 | H | H1 | H2 | T |
|--------------------|------------------------------|-----|----|------|----|----|-----|-----|----|
| K0253.106Δ | K0253.0106Δ | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 10 |
| K0253.208Δ | K0253.0208Δ | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 14 |
| K0253.310Δ | K0253.0310Δ | M10 | 40 | 19 | 23 | 41 | 4 | 3 | 14 |
| K0253.410Δ | K0253.0410Δ | M10 | 50 | 24 | 31 | 51 | 5,5 | 4,5 | 14 |
| K0253.412Δ | K0253.0412Δ | M12 | 50 | 24 | 31 | 51 | 5,5 | 4,5 | 18 |

KIPP Spherical knobs with external thread

| Order No. steel | Order No. stainless steel | D | D1 | D2 | D3 | H | H1 | H2 | L |
|--------------------|------------------------------|-----|----|------|----|----|-----|-----|-------------|
| K0253.106ΔX | K0253.0106ΔX | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 15/20/25/30 |
| K0253.208ΔX | K0253.0208ΔX | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 20/25/30/40 |
| K0253.310ΔX | K0253.0310ΔX | M10 | 40 | 19 | 23 | 41 | 4 | 3 | 20/30/40 |
| K0253.410ΔX | K0253.0410ΔX | M10 | 50 | 24 | 31 | 51 | 5,5 | 4,5 | 20/30/40 |
| K0253.412ΔX | K0253.0412ΔX | M12 | 50 | 24 | 31 | 51 | 5,5 | 4,5 | 20/30/40 |

Spherical knobs biopolymer

**Material:**

Biopolymer, beech.
Bush or threaded pin steel 5.8

Version:

Bush and screw trivalent blue passivated.
Natural beech with beech fibres or coloured black grey.

Sample order:

K0253.10106143X15

Advantages:

This biopolymer is manufactured entirely from renewable raw materials (oil free).
Conservation of finite fossil resources.
The wood fibres originate 100% from local, sustainably managed forests in Germany.

Features:

Excellent mechanical stability (certified with a minimum of 2x safety factor).
Biopolymer is suitable for recycling (comparable to thermoplastics).
Suitable for outdoor use (not biodegradable).
Excellent resistance to strong acids and lyes.
Short-term resistance to alcohol, fuel, mineral oil and grease.

KIPP Spherical knobs biopolymer with internal thread

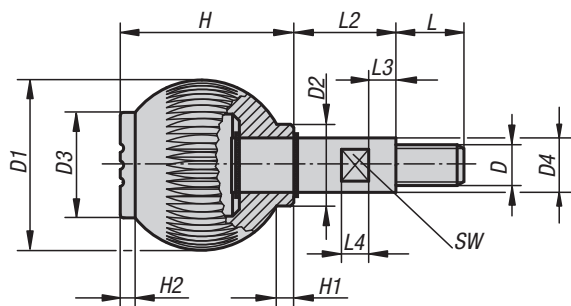
| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | H2 | T |
|----------------|---------------------|----|----|------|----|----|-----|-----|----|
| K0253.10106143 | natural beech | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 10 |
| K0253.10208143 | natural beech | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 14 |
| K0253.1010690 | black grey RAL 7021 | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 10 |
| K0253.1020890 | black grey RAL 7021 | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 14 |

KIPP Spherical knobs biopolymer with external thread

| Order No. | Main colour | D | D1 | D2 | D3 | H | H1 | H2 | L |
|-------------------|---------------------|----|----|------|----|----|-----|-----|----|
| K0253.10106143X15 | natural beech | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 15 |
| K0253.10208143X20 | natural beech | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 20 |
| K0253.1010690X15 | black grey RAL 7021 | M6 | 25 | 12 | 17 | 25 | 3 | 2 | 15 |
| K0253.1020890X20 | black grey RAL 7021 | M8 | 32 | 15,5 | 19 | 33 | 3,5 | 2,6 | 20 |

Spherical knobs

revolving



An ergonomically perfect product for three-dimensional gripping. The spherical surface also has vertical ribbing. Thanks to CAD designing, the requirements of different fields can be met.

Material:

Thermoplastic, black grey.
Axis steel 5.8 or stainless steel 1.4305.

Version:

Trivalent blue passivated steel or bright stainless steel.
Circlips electro zinc-plated, including stainless steel version.

Sample order:

K0254.1066 (cap colour traffic red.)

Note:

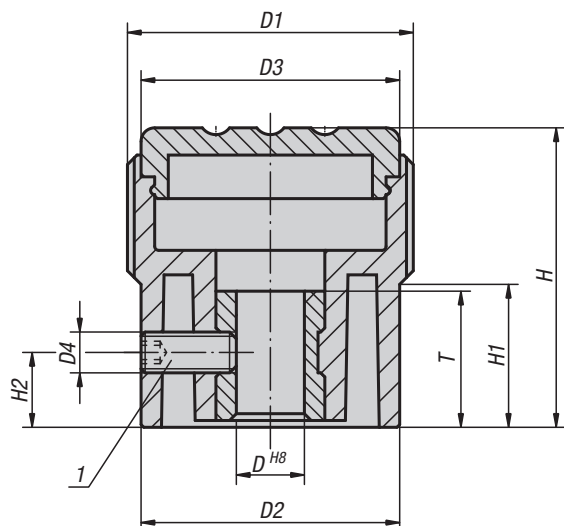
Δ Add the desired cap colour here.
No colour code is required for black grey caps.



KIPP Spherical knobs revolving

| Order No. steel | Order No. stainless steel | D | D1 | D2 | D3 | D4 | H | H1 | H2 | L | L2 | L3 | L4 | SW |
|--------------------|------------------------------|-----|----|------|----|----|----|-----|-----|----|----|----|----|----|
| K0254.106Δ | K0254.0106Δ | M6 | 25 | 12 | 17 | 8 | 25 | 3 | 2 | 10 | 15 | 5 | 5 | 7 |
| K0254.208Δ | K0254.0208Δ | M8 | 32 | 15,5 | 19 | 10 | 33 | 3,5 | 2,6 | 12 | 20 | 6 | 6 | 8 |
| K0254.310Δ | K0254.0310Δ | M10 | 40 | 19 | 23 | 13 | 41 | 4 | 3 | 15 | 25 | 7 | 10 | 10 |
| K0254.412Δ | K0254.0412Δ | M12 | 50 | 24 | 31 | 16 | 51 | 5,5 | 4,5 | 20 | 30 | 8 | 8 | 13 |

Knurled knobs



NOVO grip knurled knobs provide a precise and reproducible position setting, optimal reading of the perfectly situated graduations and are easily fastened permanently to the shaft with the integrated set screw.

Material:

Thermoplastic, black grey.
Bush steel.

Version:

Bush blue passivated

Sample order:

K0248.11055 (cap colour light grey)

Note:

Available without graduations, with one scale line or with 20 graduations and 10 digits.

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

On request:

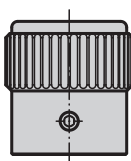
Special graduations.

Drawing reference:

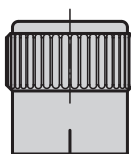
Form A: without graduations
Form B: with one scale line
Form C: with standard graduations

1) Set screw for locking
(by Form C between numbers 5 and 6)

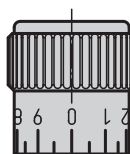
A



B



C



black grey



RAL 7021

light grey Δ = 5



RAL 7035

traffic red Δ = 6



RAL 3020

bright yellow Δ = 7



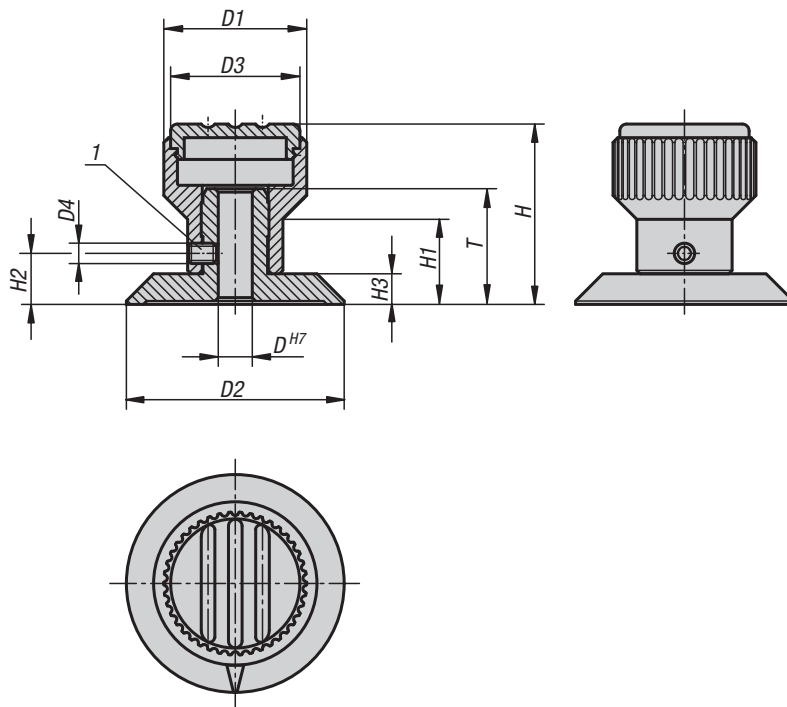
RAL 1021

KIPP Knurled knobs

| Order No. | Form | D | D1 | D2 | D3 | D4 | H | H1 | H2 | T |
|-------------|------|---|----|----|----|----|----|------|----|----|
| K0248.1105Δ | A | 5 | 21 | 19 | 19 | M3 | 22 | 10,5 | 5 | 10 |
| K0248.1206Δ | A | 6 | 26 | 23 | 23 | M3 | 26 | 12 | 6 | 10 |
| K0248.1308Δ | A | 8 | 34 | 31 | 31 | M4 | 36 | 17,5 | 7 | 14 |
| K0248.2105Δ | B | 5 | 21 | 19 | 19 | M3 | 22 | 10,5 | 5 | 10 |
| K0248.2206Δ | B | 6 | 26 | 23 | 23 | M3 | 26 | 12 | 6 | 10 |
| K0248.2308Δ | B | 8 | 34 | 31 | 31 | M4 | 36 | 17,5 | 7 | 14 |
| K0248.3105Δ | C | 5 | 21 | 19 | 19 | M3 | 22 | 10,5 | 5 | 10 |
| K0248.3206Δ | C | 6 | 26 | 23 | 23 | M3 | 26 | 12 | 6 | 10 |
| K0248.3308Δ | C | 8 | 34 | 31 | 31 | M4 | 36 | 17,5 | 7 | 14 |

Knurled knobs

with arrow



This NOVO grip knurled knob allows different switching positions to be quickly and easily set. The engraved silver arrow clearly marks the presently set position.

Material:

Knurled knob thermoplastic.
Washer aluminium.

Version:

Knurled knob black grey.
Washer, black anodised.

Sample order:

K0249.1055 (cap colour light grey)

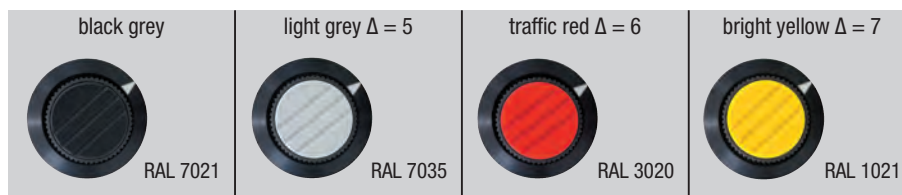
Note:

The arrow is engraved after anodizing. The set screw secures both the hub and the pressed-in washer. The H7 hole in the hub ensures a good tight fit on the shaft.

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

Drawing reference:

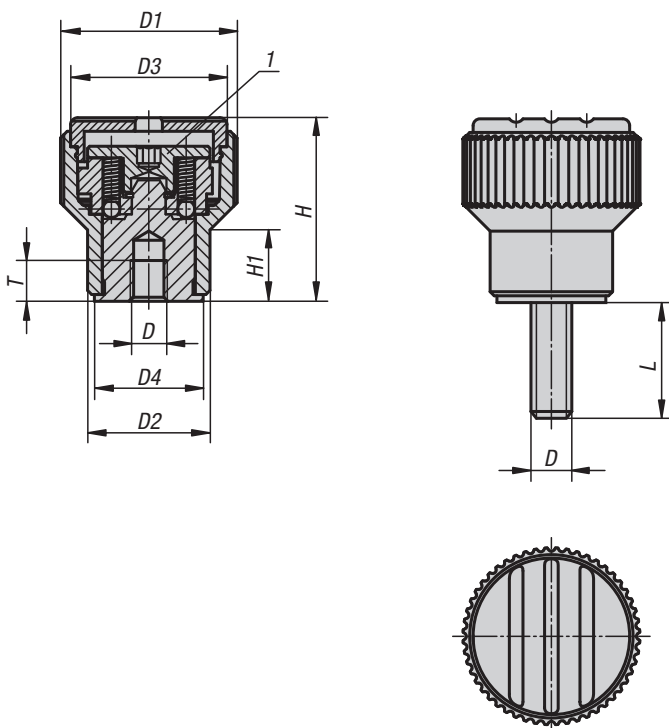
1) set screw



KIPP Knurled knobs with arrow

| Order No. | D | D1 | D2 | D3 | D4 | H | H1 | H2 | H3 | T |
|------------|---|----|----|----|----|------|------|-----|-----|------|
| K0249.105Δ | 5 | 21 | 32 | 19 | M3 | 26,5 | 12,5 | 7,5 | 4,5 | 17 |
| K0249.206Δ | 6 | 26 | 40 | 23 | M4 | 31,5 | 15 | 9,5 | 5,5 | 20,5 |
| K0249.308Δ | 8 | 34 | 52 | 31 | M4 | 43 | 20 | 12 | 7 | 22 |

Knurled torque knobs

**Material:**

Thermoplastic, black grey.
Bush and screw steel 5.8.

Version:

Bush black oxidised.
Screw trivalent blue passivated.

Sample order:

K0277.2056X30
(cap colour traffic red; include length L)





Note:

The set screw sets the required torque. The knob de-clutches and turns freely when the desired torque is reached.

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

Drawing reference:

1) adjusting screw for setting the torque

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

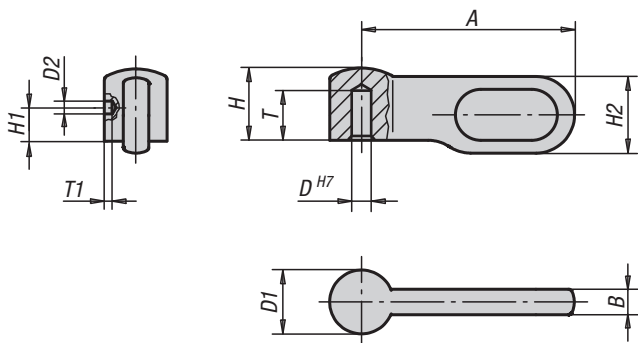
KIPP Knurled torque knobs with internal thread

| Order No. | Component material | D | D1 | D2 | D3 | D4 | H | H1 | T | Torque Nm |
|------------|--------------------|----|----|----|----|----|------|------|----|-----------|
| K0277.205Δ | steel | M5 | 26 | 18 | 23 | 16 | 27 | 10,5 | 5 | 0,1 - 0,3 |
| K0277.206Δ | steel | M6 | 26 | 18 | 23 | 16 | 27 | 10,5 | 6 | 0,1 - 0,3 |
| K0277.306Δ | steel | M6 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 10 | 0,1 - 0,3 |
| K0277.308Δ | steel | M8 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 14 | 0,1 - 0,3 |

KIPP Knurled torque knobs with external thread

| Order No. | Component material | D | D1 | D2 | D3 | D4 | H | H1 | L | Torque Nm |
|-------------|--------------------|----|----|----|----|----|------|------|-------|-----------|
| K0277.205ΔX | steel | M5 | 26 | 18 | 23 | 16 | 27 | 10,5 | 30/50 | 0,1 - 0,3 |
| K0277.206ΔX | steel | M6 | 26 | 18 | 23 | 16 | 27 | 10,5 | 30/50 | 0,1 - 0,3 |
| K0277.306ΔX | steel | M6 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 40/60 | 0,1 - 0,3 |
| K0277.308ΔX | steel | M8 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 40/60 | 0,1 - 0,3 |

Lock grips

**Material:**

Stainless steel 1.4308 or steel.

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

K0178.1040

Note:

Lock grips can be used as required. The styled design with recessed grip gives fingers a good purchase and is well suited to modern requirements. High clamping forces can be easily attained. Use the pilot hole in the side to secure the grip by pinning or screw.

KIPP Lock grip

| Order No. | Main material | Size | A | B | D | D1 | D2 | H | H1 | H2 | T | T1 |
|------------|-----------------|------|----|-----|---|-----|-----|------|----|------|------|-----|
| K0178.1040 | stainless steel | 1 | 25 | 3 | 4 | 7,5 | 1,5 | 8,5 | 3 | 9 | 5,5 | 0,5 |
| K0178.2050 | stainless steel | 2 | 30 | 3,6 | 5 | 9 | 2 | 10,2 | 4 | 10,8 | 6,5 | 1 |
| K0178.3060 | stainless steel | 3 | 40 | 4,8 | 6 | 12 | 2 | 13,6 | 5 | 14,4 | 8,7 | 1 |
| K0178.4080 | stainless steel | 4 | 50 | 6 | 8 | 15 | 3 | 17 | 6 | 18 | 10,2 | 1 |
| K0178.1041 | steel | 1 | 25 | 3 | 4 | 7,5 | 1,5 | 8,5 | 3 | 9 | 5,5 | 0,5 |
| K0178.2051 | steel | 2 | 30 | 3,6 | 5 | 9 | 2 | 10,2 | 4 | 10,8 | 6,5 | 1 |
| K0178.3061 | steel | 3 | 40 | 4,8 | 6 | 12 | 2 | 13,6 | 5 | 14,4 | 8,7 | 1 |
| K0178.4081 | steel | 4 | 50 | 6 | 8 | 15 | 3 | 17 | 6 | 18 | 10,2 | 1 |