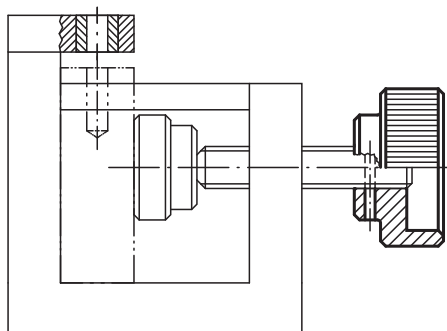
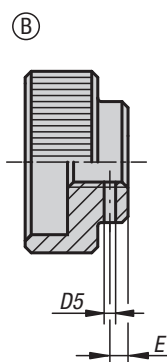
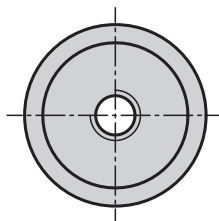
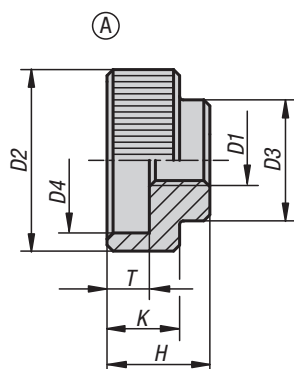


## Grips, knobs



## Knurled nuts

steel and stainless steel, DIN 6303



### Material:

Free-cutting steel 1.0718.  
Stainless steel 1.4305.

### Version:

Free-cutting steel, black oxidised.  
Stainless steel bright.

### Sample order:

K0137.108

### 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      | D1  | D2 | D3 | D4 | D5<br>predrilled | E   | H  | K  | T  | suitable<br>dowel pin<br>ISO 2338 |
|------------|------|--------------------|-----|----|----|----|------------------|-----|----|----|----|-----------------------------------|
| K0137.105  | A    | Free-cutting steel | M5  | 20 | 14 | 15 | -                | -   | 12 | 8  | 5  | -                                 |
| K0137.106  | A    | Free-cutting steel | M6  | 24 | 16 | 18 | -                | -   | 14 | 10 | 6  | -                                 |
| K0137.108  | A    | Free-cutting steel | M8  | 30 | 20 | 24 | -                | -   | 17 | 12 | 7  | -                                 |
| K0137.110  | A    | Free-cutting steel | M10 | 36 | 28 | 30 | -                | -   | 20 | 14 | 8  | -                                 |
| K0137.112  | A    | Free-cutting steel | M12 | 40 | 32 | 34 | -                | -   | 24 | 16 | 10 | -                                 |
| K0137.1052 | A    | Stainless steel    | M5  | 20 | 14 | 15 | -                | -   | 12 | 8  | 5  | -                                 |
| K0137.1062 | A    | Stainless steel    | M6  | 24 | 16 | 18 | -                | -   | 14 | 10 | 6  | -                                 |
| K0137.1082 | A    | Stainless steel    | M8  | 30 | 20 | 24 | -                | -   | 17 | 12 | 7  | -                                 |
| K0137.1102 | A    | Stainless steel    | M10 | 36 | 28 | 30 | -                | -   | 20 | 14 | 8  | -                                 |
| K0137.1122 | A    | Stainless steel    | M12 | 40 | 32 | 34 | -                | -   | 24 | 16 | 10 | -                                 |
| K0137.205  | B    | Free-cutting steel | M5  | 20 | 14 | 15 | 1,4              | 2,5 | 12 | 8  | 5  | 1,5 M6X14                         |
| K0137.206  | B    | Free-cutting steel | M6  | 24 | 16 | 18 | 1,4              | 2,5 | 14 | 10 | 6  | 1,5 M6X16                         |
| K0137.208  | B    | Free-cutting steel | M8  | 30 | 20 | 24 | 1,9              | 3   | 17 | 12 | 7  | 2 M6X20                           |
| K0137.210  | B    | Free-cutting steel | M10 | 36 | 28 | 30 | 2,9              | 4   | 20 | 14 | 8  | 3 M6X28                           |
| K0137.212  | B    | Free-cutting steel | M12 | 40 | 32 | 34 | 3,9              | 4   | 24 | 16 | 10 | 4 M6X32                           |

## Knurled nuts

plastic



**Material:**  
Black Duroplast PF 31.  
Tapped bush brass.

**Version:**  
Tapped bush nickel-plated.

**Sample order:**  
K0138.08

### KIPP Knurled nuts plastic

| Order No. | D1  | D2 | 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 Duroplast PF 31.  
Screw steel.

**Version:**  
Screw galvanized.

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

### KIPP Knurled screws, plastic

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

## Knurled nuts quick-acting



### Material:

Carbon steel.

### Version:

Tempered and black oxidised.

### Sample order:

K0139.08

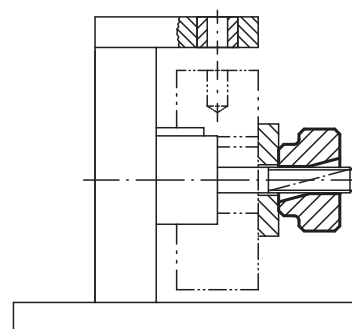
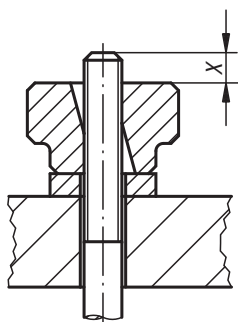
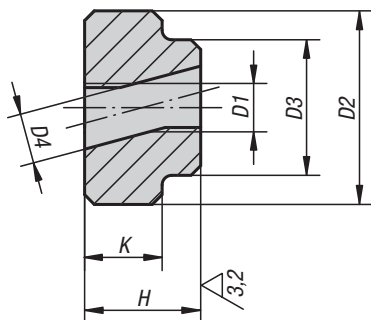
### Note:

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"



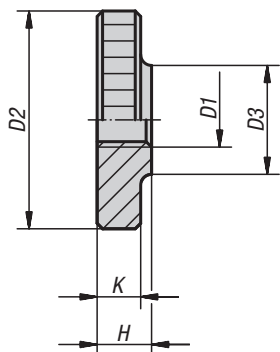
### KIPP Knurled nuts quick-acting

| Order No. | D1  | D2 | 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:

Free-cutting 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.

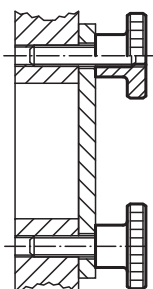
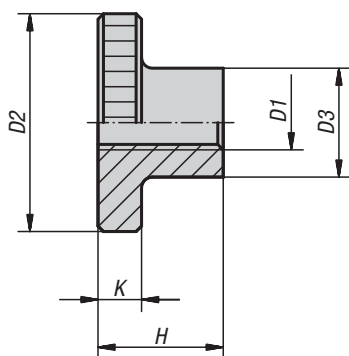
### KIPP Knurled nuts flat, steel and stainless steel, DIN 467

| Order No.<br>Free-cutting steel | Order No.<br>Stainless steel | D1  | D2 | D3 | H  | K   |
|---------------------------------|------------------------------|-----|----|----|----|-----|
| K0144.04                        | K0144.042                    | M4  | 16 | 8  | 4  | 3,5 |
| K0144.05                        | K0144.052                    | M5  | 20 | 10 | 5  | 4   |
| K0144.06                        | K0144.062                    | M6  | 24 | 12 | 6  | 5   |
| K0144.08                        | K0144.082                    | M8  | 30 | 16 | 8  | 6   |
| K0144.10                        | K0144.102                    | M10 | 36 | 20 | 10 | 8   |
| K0144.12                        | K0144.122                    | M12 | 36 | 20 | 10 | 8   |

# K0143

## Knurled nuts high form

steel and stainless steel, DIN 466



### Material:

Free-cutting steel 1.0718.  
Stainless steel 1.4305.

### Version:

Steel black oxidised.  
Stainless steel bright.

### Sample order:

K0143.04

### Note:

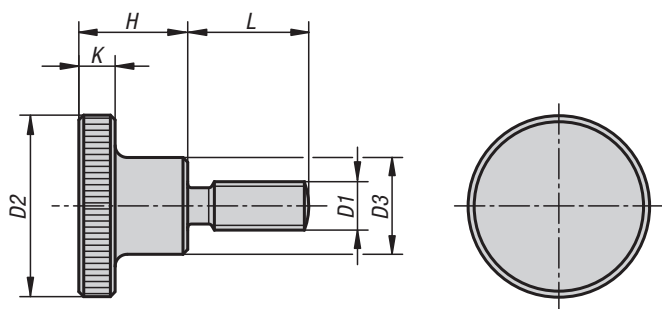
M12 high knurled nuts are not included in the official standards sheet.

### KIPP High form knurled nuts, steel and stainless steel, DIN 466

| Order No.<br>Free-cutting steel | Order No.<br>Stainless steel | D1  | D2 | D3 | H    | K   |
|---------------------------------|------------------------------|-----|----|----|------|-----|
| K0143.04                        | K0143.042                    | M4  | 16 | 8  | 9,5  | 3,5 |
| K0143.05                        | K0143.052                    | M5  | 20 | 10 | 11,5 | 4   |
| K0143.06                        | K0143.062                    | M6  | 24 | 12 | 15   | 5   |
| K0143.08                        | K0143.082                    | M8  | 30 | 16 | 18   | 6   |
| K0143.10                        | K0143.102                    | M10 | 36 | 20 | 23   | 8   |
| K0143.12                        | K0143.122                    | M12 | 36 | 20 | 23   | 8   |

## Knurled screws high

steel and stainless steel, DIN 464



### Material:

Free-cutting steel 1.0718.  
Stainless steel 1.4305.

### Version:

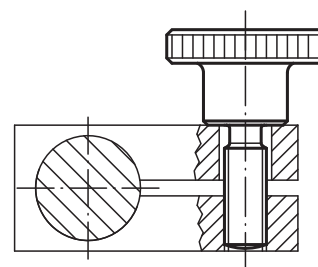
Free-cutting steel, black oxidised.  
Stainless steel bright.

### Sample order:

K0140.06X20 (include length L)

### Note:

\* By these lengths the thread has no undercut at the shoulder.

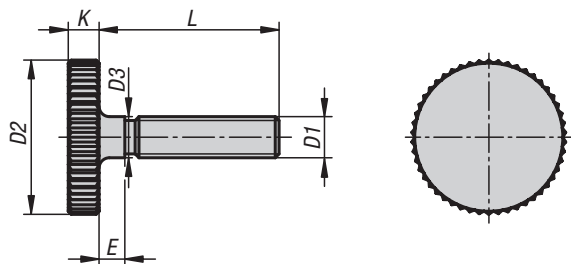


## KIPP Knurled screws high, steel and stainless steel, DIN 464

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

## 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   | D1  | D2 | D3 | E | K   | L                    |
|------------|-----------------|-----|----|----|---|-----|----------------------|
| K1163.03X  | steel           | M3  | 12 | 3  | 2 | 2,5 | 10/12/16             |
| K1163.04X  | steel           | M4  | 16 | 4  | 3 | 3,5 | 8/10/12/16/20        |
| K1163.05X  | steel           | M5  | 20 | 5  | 3 | 4   | 10/12/16/20/25/30    |
| K1163.06X  | steel           | M6  | 24 | 6  | 4 | 5   | 12/16/20/25/30/35/40 |
| K1163.08X  | steel           | M8  | 30 | 8  | 5 | 6   | 16/20/25/30/35/40    |
| K1163.10X  | steel           | M10 | 36 | 10 | 6 | 8   | 20/25/30/35/40       |
| K1163.032X | stainless steel | M3  | 12 | 3  | 2 | 2,5 | 10/12/16             |
| K1163.042X | stainless steel | M4  | 16 | 4  | 3 | 3,5 | 8/10/12/16/20        |
| K1163.052X | stainless steel | M5  | 20 | 5  | 3 | 4   | 10/12/16/20/25/30    |
| K1163.062X | stainless steel | M6  | 24 | 6  | 4 | 5   | 12/16/20/25/30/35/40 |
| K1163.082X | stainless steel | M8  | 30 | 8  | 5 | 6   | 16/20/25/30          |
| K1163.102X | stainless steel | M10 | 36 | 10 | 6 | 8   | 20/25/30/40          |



#### Material:

Steel or stainless steel (A 1).

#### Version:

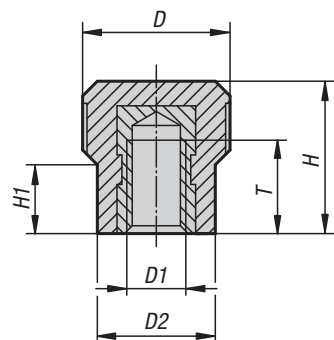
Steel grade 5.8, bright;  
Stainless steel, bright.

#### Sample order:

K1163.062X20 (include length L)

# K0142

## Knurled knobs



#### Material:

Duroplast PF 31, black.  
Bush brass.

#### Version:

High-gloss polished.

#### Sample order:

K0142.11203

#### On request:

Other colours.

### KIPP Knurled knobs

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

## Knurled knobs



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:**

Thermoplastic, black grey.  
Bush and threaded pin steel 5.8 or stainless steel 1.4305.

**Version:**

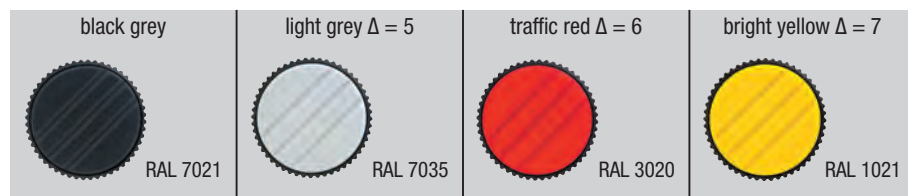
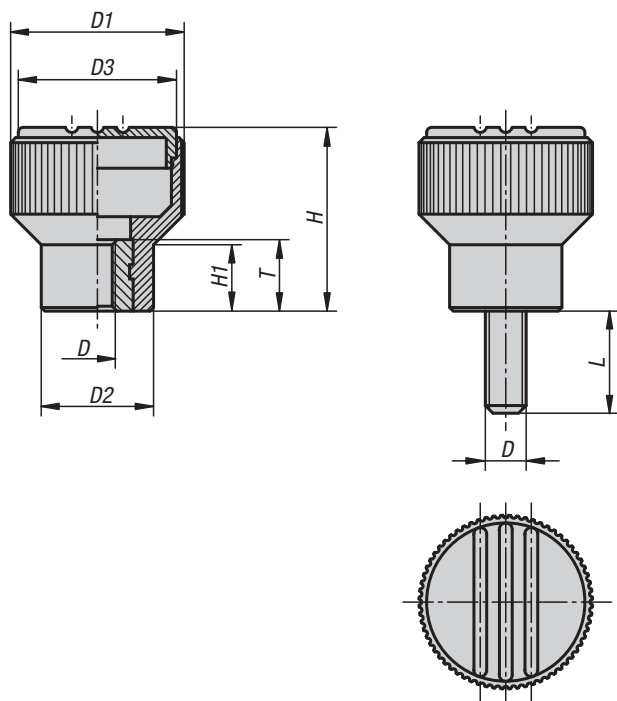
Blue passivated steel or bright stainless steel.

**Sample order:**

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

**Note:**

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

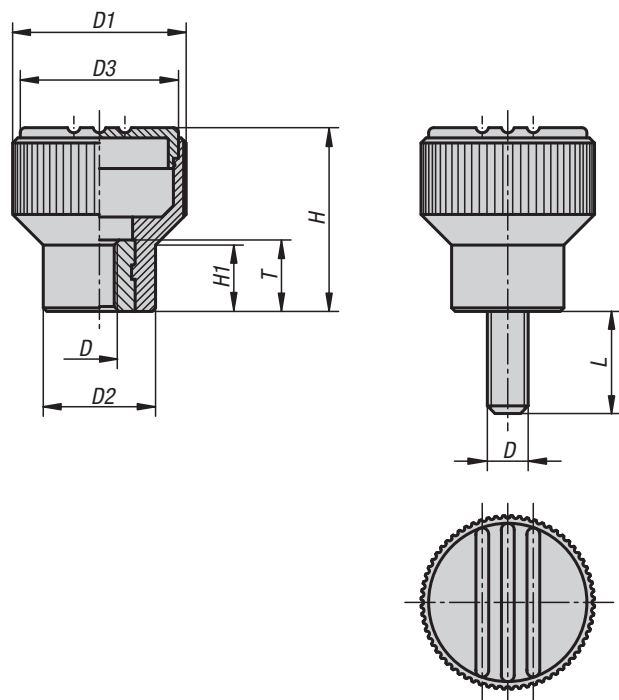
**KIPP Knurled knobs with internal thread**

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

**KIPP Knurled knobs with external thread**

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

# Knurled knobs 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 forests in Germany.  
PEFC certified (guarantees that wood products originate from sustainably managed forests).

## 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.

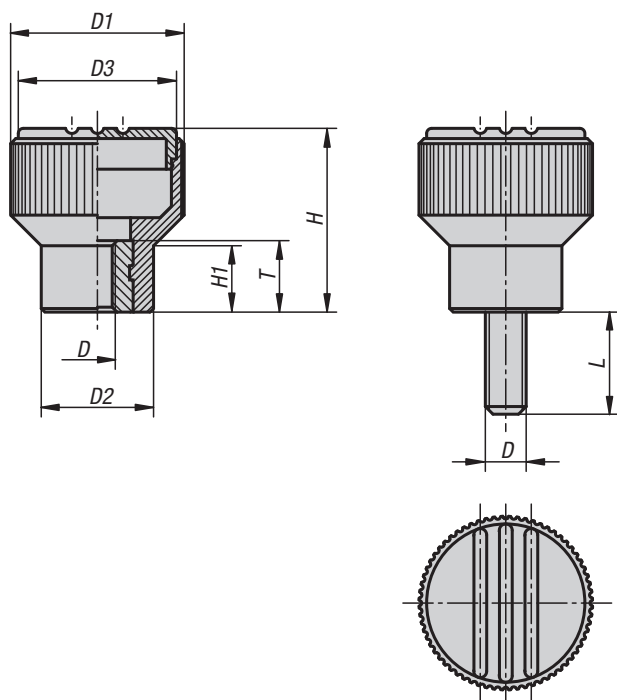
## KIPP Knurled knobs biopolymer internal thread

| Order No.      | Main colour         | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|----------------|---------------------|------|----|----|----|----|----|----|----|
| K0247.10104143 | natural beech       | 1    | M4 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.10105143 | natural beech       | 1    | M5 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.10106143 | natural beech       | 1    | M6 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.1010490  | black grey RAL 7021 | 1    | M4 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.1010590  | black grey RAL 7021 | 1    | M5 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.1010690  | black grey RAL 7021 | 1    | M6 | 21 | 14 | 19 | 22 | 8  | 10 |

## KIPP Knurled knobs biopolymer external thread

| Order No.         | Main colour         | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|-------------------|---------------------|------|----|----|----|----|----|----|----|
| K0247.10105143X10 | natural beech       | 1    | M5 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.10106143X15 | natural beech       | 1    | M6 | 21 | 14 | 19 | 22 | 8  | 15 |
| K0247.1010590X10  | black grey RAL 7021 | 1    | M5 | 21 | 14 | 19 | 22 | 8  | 10 |
| K0247.1010690X15  | black grey RAL 7021 | 1    | 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.

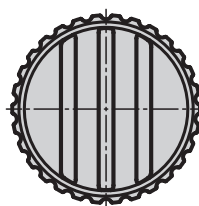
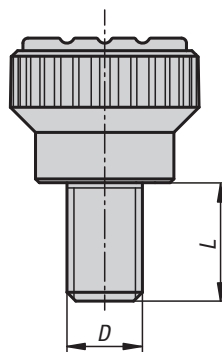
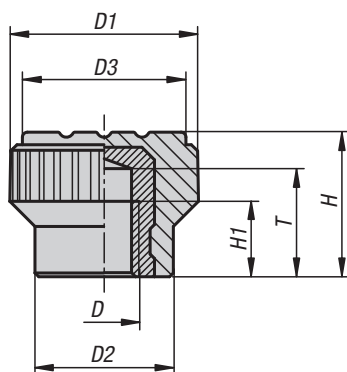
**KIPP Knurled knobs antistatic with internal thread**

| Order No.     | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|---------------|------|----|----|----|----|----|----|----|
| K0247.1110624 | 1    | M6 | 21 | 14 | 19 | 22 | 8  | 10 |

**KIPP Knurled knobs antistatic with external thread**

| Order No.        | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|------------------|------|----|----|----|----|----|----|----|
| K0247.1110624X15 | 1    | 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 blue passivated.

Stainless steel, bright.

**Sample order:**

K0110.005X12 (include length L)

**On request:**

Other colours.

**KIPP Knurled knobs with internal thread**

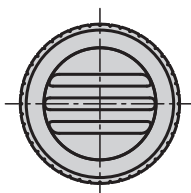
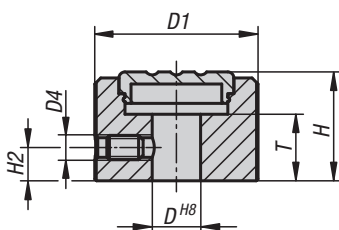
| Order No.  | Version              | D  | D1 | D2 | D3 | H    | H1  | T   |
|------------|----------------------|----|----|----|----|------|-----|-----|
| K0110.003  | Bush brass           | M3 | 15 | 11 | 13 | 11,5 | 4,5 | 8,6 |
| K0110.004  | Bush brass           | M4 | 15 | 11 | 13 | 11,5 | 6   |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

**KIPP Knurled knobs with external thread**

| Order No.   | Version             | D  | D1 | D2 | D3 | H    | L           |
|-------------|---------------------|----|----|----|----|------|-------------|
| K0110.003X  | Pin steel           | M3 | 15 | 11 | 13 | 11,5 | 8/10/12/15  |
| K0110.004X  | Pin steel           | M4 | 15 | 11 | 13 | 11,5 | 8/10/12/15  |
| K0110.005X  | Pin steel           | M5 | 15 | 11 | 13 | 11,5 | 10/12/15/20 |
| K0110.006X  | Pin steel           | M6 | 15 | 11 | 13 | 11,5 | 10/15/20/25 |
| K0110.0003X | Pin stainless steel | M3 | 15 | 11 | 13 | 11,5 | 8/10/12/15  |
| K0110.0004X | Pin stainless steel | M4 | 15 | 11 | 13 | 11,5 | 8/10/12/15  |
| K0110.0005X | Pin stainless steel | M5 | 15 | 11 | 13 | 11,5 | 10/12/15/20 |
| K0110.0006X | Pin 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 anodized.  
Cap light grey RAL 7035.  
Grub screw bright.

### Sample order:

K1099.27085

### On request:

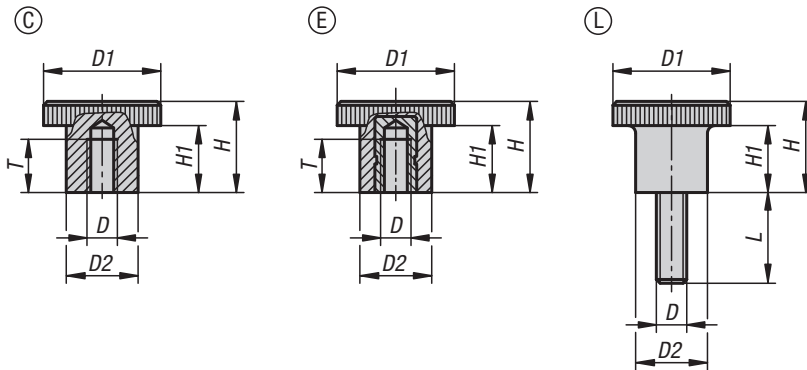
Other internal threads, colours and special versions.

### 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:**

Duroplast PF 31, black.

Screw, steel.

Tapped bush, steel or brass.

**Version:**

Screw, galvanized.

Tapped bush, galvanized 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 knob

for hex head screws



**Material:**

Thermoplastic.

**Version:**

Black or orange.

**Sample order:**

K1138.00040 (knurled knob colour black)

Colour code:

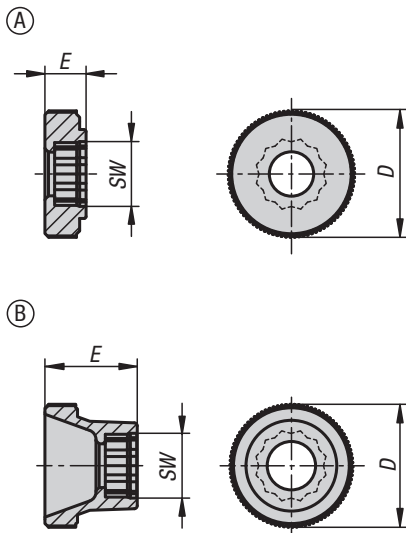
0=black

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 | D  | E    | 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 |



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



# Knurled heads

for hexagon socket screws



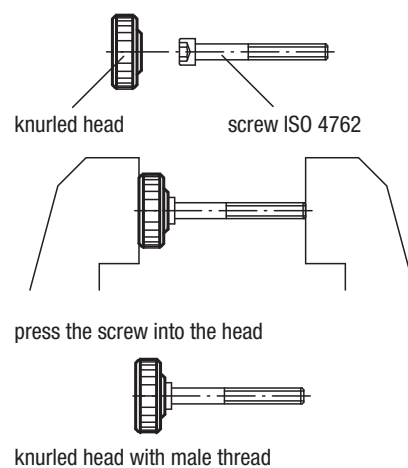
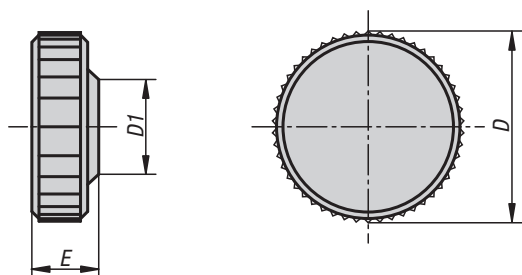
**Material:**  
Thermoplastic.

**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.  | D   | D1   | E   | for hexagon<br>socket screw |
|------------|-----|------|-----|-----------------------------|
| 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

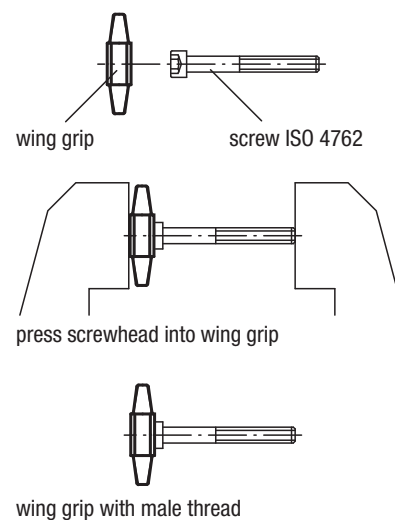
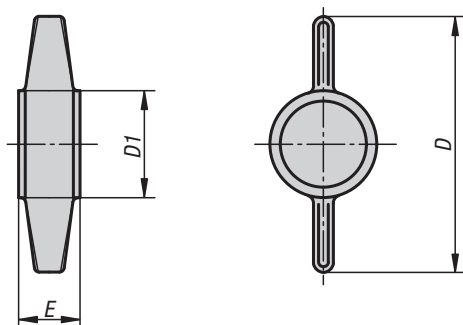
6 = red

Δ Add the desired colour code here.

No colour code is required for black grips.

**Note:**

Suitable screws ISO 4762.



## KIPP Wing grips for hexagon socket screws

| Order No.  | D  | D1   | E    | for hexagon<br>socket screw |
|------------|----|------|------|-----------------------------|
| 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                         |

## 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:

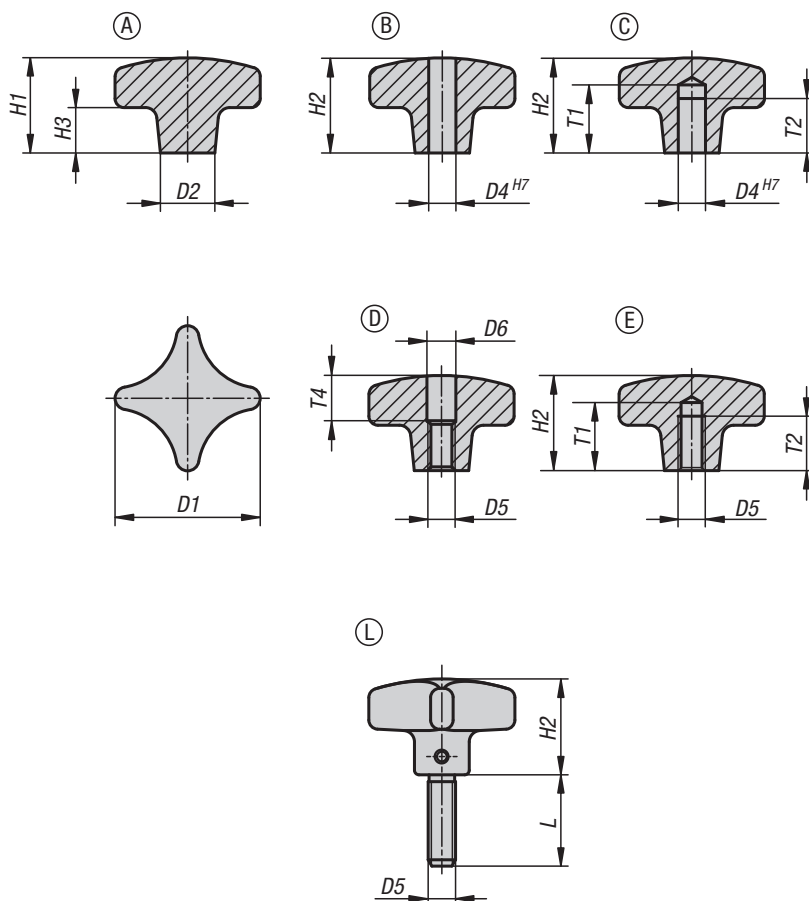
K0145.104008

### 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.    | Version | Form | D1 | D2 | H1 | H3 |
|--------------|---------|------|----|----|----|----|
| K0145.104008 | tumbled | A    | 40 | 14 | 26 | 14 |
| K0145.105010 | tumbled | A    | 50 | 18 | 34 | 20 |
| K0145.106312 | tumbled | A    | 63 | 25 | 42 | 25 |
| K0145.108016 | tumbled | A    | 80 | 25 | 52 | 30 |

# Palm grips

aluminium, similar to DIN 6335



## KIPP Palm grips similar to DIN 6335, aluminium

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

| Order No.<br>tumbled | Order No.<br>polished | Form | D1 | D2 | D4 | H2 | T1 | T2 |
|----------------------|-----------------------|------|----|----|----|----|----|----|
| K0145.304008         | K0145.3040082         | C    | 40 | 14 | 8  | 25 | 18 | 15 |
| K0145.305010         | K0145.3050102         | C    | 50 | 18 | 10 | 32 | 21 | 18 |
| K0145.306312         | K0145.3063122         | C    | 63 | 25 | 12 | 40 | 25 | 22 |
| K0145.308016         | K0145.3080162         | C    | 80 | 25 | 16 | 50 | 32 | 28 |

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

| Order No.<br>tumbled | Order No.<br>polished | Form | D1 | D2 | D5  | H2 | T1 | T2 |
|----------------------|-----------------------|------|----|----|-----|----|----|----|
| K0145.504008         | K0145.5040082         | E    | 40 | 14 | M8  | 25 | 18 | 15 |
| K0145.505010         | K0145.5050102         | E    | 50 | 18 | M10 | 32 | 21 | 18 |
| K0145.506312         | K0145.5063122         | E    | 63 | 25 | M12 | 40 | 25 | 22 |
| K0145.508016         | K0145.5080162         | E    | 80 | 25 | M16 | 50 | 32 | 28 |

| Order No.     | Version | Form | D1 | D2 | D5  | H2 | L              |
|---------------|---------|------|----|----|-----|----|----------------|
| K0145.604008X | tumbled | L    | 40 | 14 | M8  | 25 | 20/25/30/40/50 |
| K0145.605010X | tumbled | L    | 50 | 18 | M10 | 32 | 20/25/30/40/50 |
| K0145.606312X | tumbled | L    | 63 | 25 | M12 | 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:

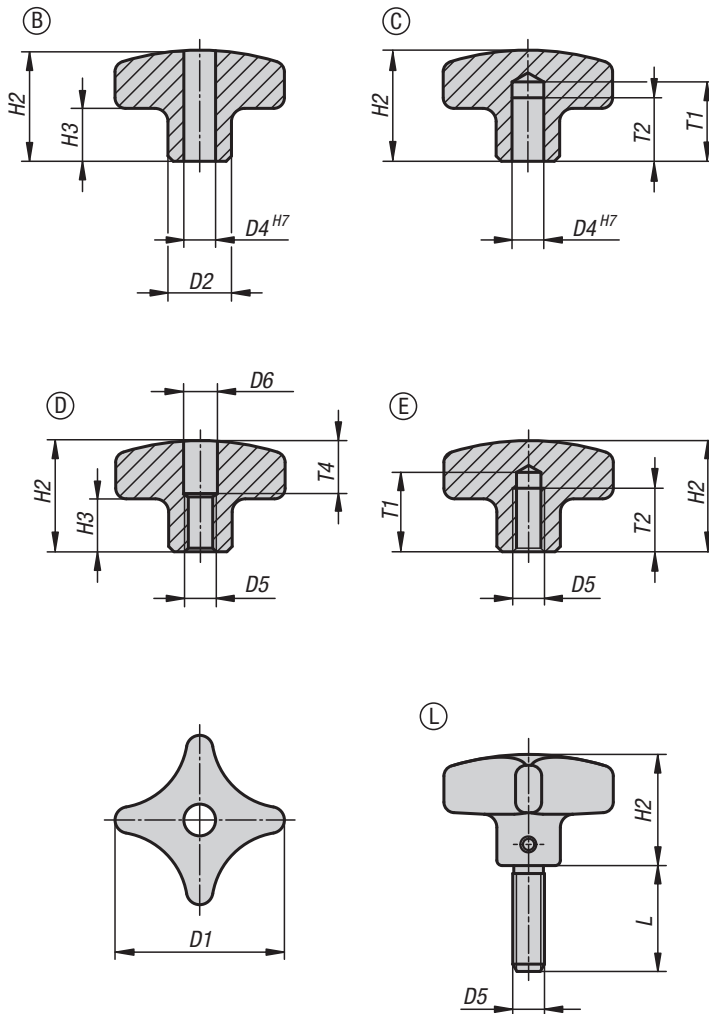
Ground and polished or blasted.  
Grub screw and pin bright.

### Sample order:

K0146.2032062

### 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.<br>Form B | Order No.<br>Form C | Version  | D1 | D2 | D4 | H2 | H3 | T1   | T2   |
|---------------------|---------------------|----------|----|----|----|----|----|------|------|
| K0146.2032062       | K0146.3032062       | polished | 32 | 12 | 6  | 21 | 10 | -/15 | -/12 |
| K0146.2040082       | K0146.3040082       | polished | 40 | 14 | 8  | 26 | 13 | -/18 | -/15 |
| K0146.2050102       | K0146.3050102       | polished | 50 | 18 | 10 | 34 | 17 | -/21 | -/18 |
| K0146.2063122       | K0146.3063122       | polished | 63 | 20 | 12 | 42 | 21 | -/25 | -/22 |
| K0146.2032063       | K0146.3032063       | blasted  | 32 | 12 | 6  | 21 | 10 | -/15 | -/12 |
| K0146.2040083       | K0146.3040083       | blasted  | 40 | 14 | 8  | 26 | 13 | -/18 | -/15 |
| K0146.2050103       | K0146.3050103       | blasted  | 50 | 18 | 10 | 34 | 17 | -/21 | -/18 |
| K0146.2063123       | K0146.3063123       | blasted  | 63 | 20 | 12 | 42 | 21 | -/25 | -/22 |

| Order No.<br>Form D | Order No.<br>Form E | Version  | D1 | D2 | D5  | D6     | H2 | H3 | T1   | T2   | T4   |
|---------------------|---------------------|----------|----|----|-----|--------|----|----|------|------|------|
| K0146.4032062       | K0146.5032062       | polished | 32 | 12 | M6  | 6,4/-  | 21 | 10 | -/15 | -/12 | 10/- |
| K0146.4040082       | K0146.5040082       | polished | 40 | 14 | M8  | 8,4/-  | 26 | 13 | -/18 | -/15 | 12/- |
| K0146.4050102       | K0146.5050102       | polished | 50 | 18 | M10 | 10,5/- | 34 | 17 | -/21 | -/18 | 16/- |
| K0146.4063122       | K0146.5063122       | polished | 63 | 20 | M12 | 13/-   | 42 | 21 | -/25 | -/22 | 20/- |
| K0146.4032063       | K0146.5032063       | blasted  | 32 | 12 | M6  | 6,4/-  | 21 | 10 | -/15 | -/12 | 10/- |
| K0146.4040083       | K0146.5040083       | blasted  | 40 | 14 | M8  | 8,4/-  | 26 | 13 | -/18 | -/15 | 12/- |
| K0146.4050103       | K0146.5050103       | blasted  | 50 | 18 | M10 | 10,5/- | 34 | 17 | -/21 | -/18 | 16/- |
| K0146.4063123       | K0146.5063123       | blasted  | 63 | 20 | M12 | 13/-   | 42 | 21 | -/25 | -/22 | 20/- |

| Order No.      | Form | Version | D1 | D2 | D5  | H2 | H3 | L                 |
|----------------|------|---------|----|----|-----|----|----|-------------------|
| K0146.6032063X | L    | blasted | 32 | 12 | M6  | 21 | 10 | 15/20/25/30/40/50 |
| K0146.6040083X | L    | blasted | 40 | 14 | M8  | 26 | 13 | 20/25/30/40/50    |
| K0146.6050103X | L    | blasted | 50 | 18 | M10 | 34 | 17 | 20/25/30/40/50    |
| K0146.6063123X | L    | blasted | 63 | 20 | M12 | 42 | 21 | 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:

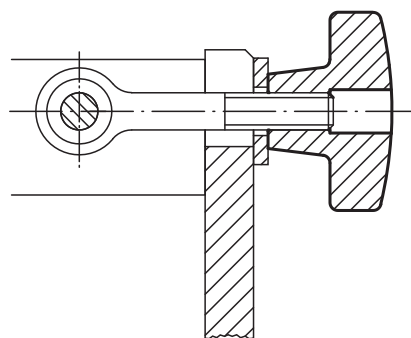
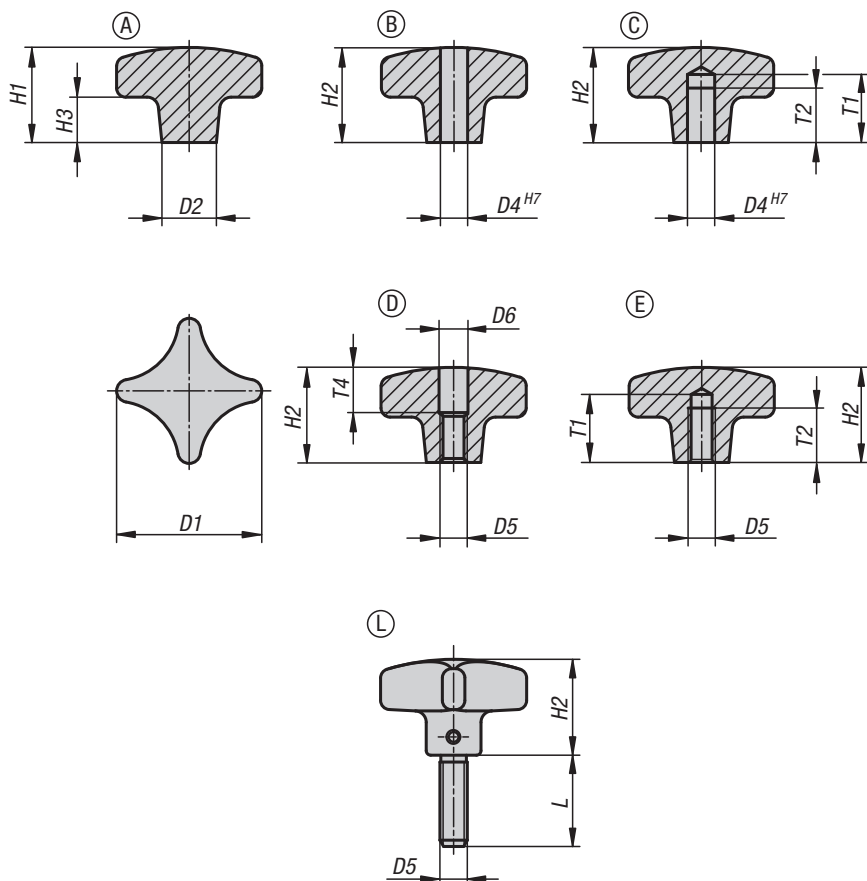
Vibratory ground, bright.  
Grub screw and pin bright.

### Sample order:

K0147.106

### 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

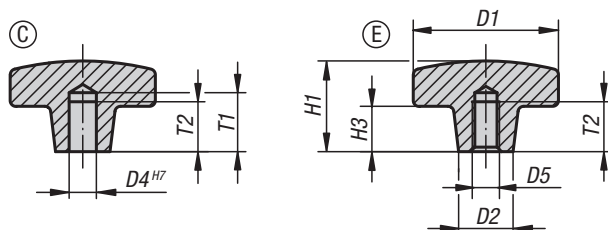
| Order No.<br>Form A | Order No.<br>Form B | Version | D1  | D2 | D4   | H1   | H2   | H3   |
|---------------------|---------------------|---------|-----|----|------|------|------|------|
| K0147.106           | K0147.206           | tumbled | 32  | 12 | -/6  | 21/- | -/20 | 10/- |
| K0147.108    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

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

| Order No.  | Form | Version | D1 | D2 | D5  | H2 | L                 |
|------------|------|---------|----|----|-----|----|-------------------|
| K0147.606X | L    | tumbled | 32 | 12 | M6  | 20 | 15/20/25/30/40/50 |
| K0147.608X | L    | tumbled | 40 | 14 | M8  | 25 | 20/25/30/40/50    |
| K0147.610X | L    | tumbled | 50 | 18 | M10 | 32 | 20/25/30/40/50    |
| K0147.612X | L    | tumbled | 63 | 20 | M12 | 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.<br>orange | Order No.<br>black | Form | D1 | D2 | D4 | D5  | H1 | H3 | T1 | T2 |
|---------------------|--------------------|------|----|----|----|-----|----|----|----|----|
| K0682.108           | K0682.208          | C    | 40 | 14 | 8  | -   | 26 | 14 | 18 | 15 |
| K0682.110           | K0682.210          | C    | 50 | 18 | 10 | -   | 34 | 20 | 21 | 18 |
| K0682.112           | K0682.212          | C    | 63 | 20 | 12 | -   | 42 | 25 | 25 | 22 |
| K0682.116           | K0682.216          | C    | 80 | 25 | 16 | -   | 52 | 30 | 32 | 28 |
| K0682.308           | K0682.408          | E    | 40 | 14 | -  | M8  | 26 | 14 | -  | 15 |
| K0682.310           | K0682.410          | E    | 50 | 18 | -  | M10 | 34 | 20 | -  | 18 |
| K0682.312           | K0682.412          | E    | 63 | 20 | -  | M12 | 42 | 25 | -  | 22 |
| K0682.316           | K0682.416          | E    | 80 | 25 | -  | M16 | 52 | 30 | -  | 28 |

## Palm grips soft



### Material:

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

### Version:

Body and coating black.  
Bush and screw galvanized.

### Sample order:

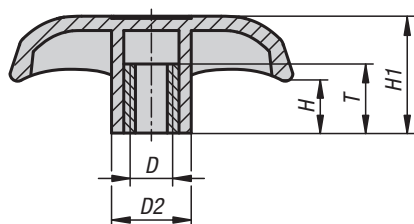
K0613.5108X20 (include length L)

### Note:

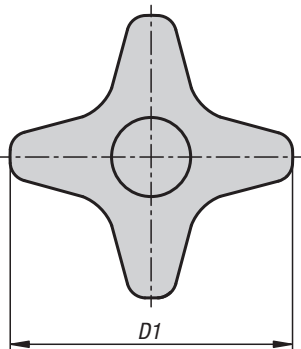
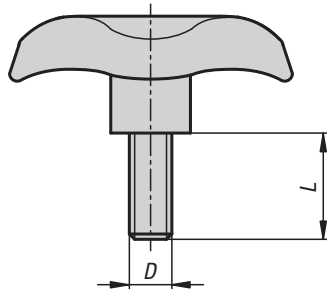
Palm grips with a soft gripping surface combine the stability of standard thermoplastic grips with the pleasant feel of the soft surface.

The soft coating creates a sympathetic, non-slip surface allowing higher clamping forces while protecting the hand.

(K)



(L)



### KIPP Palm grips soft with internal thread

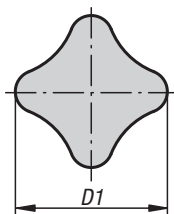
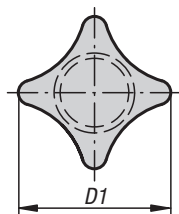
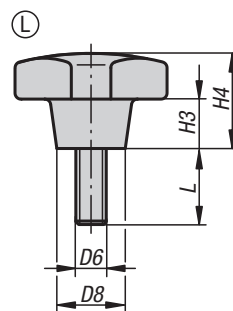
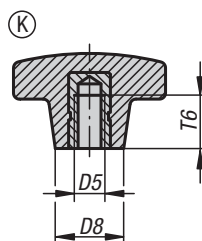
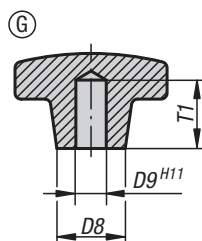
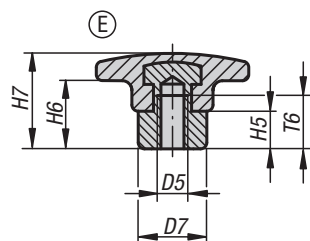
| Order No.  | Form | D   | D1 | D2   | H    | H1 | T  |
|------------|------|-----|----|------|------|----|----|
| K0613.5108 | K    | M8  | 51 | 15   | 10   | 22 | 13 |
| K0613.5110 | K    | M10 | 51 | 15   | 10   | 22 | 13 |
| K0613.7608 | K    | M8  | 76 | 19,5 | 13,5 | 28 | 20 |
| K0613.7610 | K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

### KIPP Palm grips soft with external thread

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

## Palm grips

similar to DIN 6335



### Material:

Black Duroplast PF 31.  
Bush and screw galvanized 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 | D1 | D5  | D7 | H5 | H6 | H7 | T6 |
|-----------|------|----|-----|----|----|----|----|----|
| K0148.306 | E    | 32 | M6  | 12 | 9  | 12 | 23 | 12 |
| K0148.308 | E    | 40 | M8  | 14 | 10 | 13 | 26 | 15 |
| K0148.310 | E    | 50 | M10 | 18 | 12 | 18 | 32 | 18 |
| K0148.312 | E    | 63 | M12 | 20 | 14 | 23 | 40 | 22 |
| K0148.316 | E    | 80 | M16 | 25 | 17 | 28 | 50 | 28 |

## KIPP Palm grips similar to DIN 6335, Form G

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

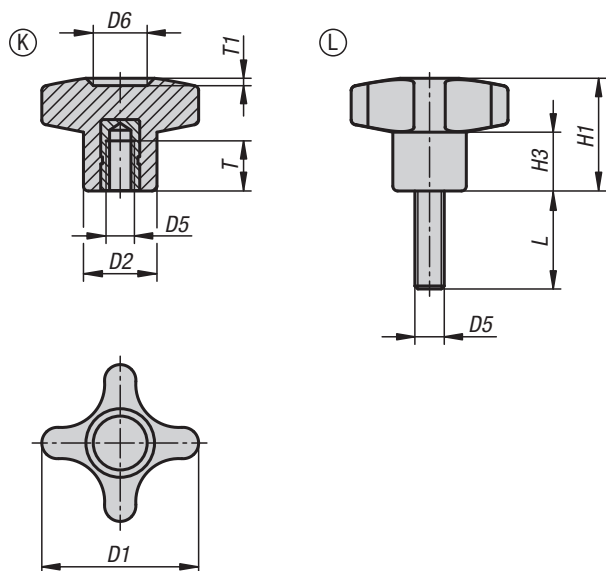
## KIPP Palm grips similar to DIN 6335, Form K

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

## KIPP Palm grips similar to DIN 6335, Form L

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

## Palm grips



### Material:

Fibreglass reinforced thermoplastic.  
Tapped bush brass.  
Screw steel.

### Version:

Grip, black.  
Screw galvanized.

### Sample order:

K1089.43205X30 (include length L)

### KIPP Palm grips with internal thread

| Order No.   | Form | D1 | D2 | D5  | D6 | H1   | H3   | T  | T1  |
|-------------|------|----|----|-----|----|------|------|----|-----|
| K1089.23205 | K    | 32 | 15 | M5  | 11 | 23   | 12   | 14 | 1,5 |
| K1089.23206 | K    | 32 | 15 | M6  | 11 | 23   | 12   | 14 | 1,5 |
| K1089.24008 | K    | 40 | 16 | M8  | 13 | 24,5 | 12,5 | 14 | 1,5 |
| K1089.25010 | K    | 50 | 20 | M10 | 14 | 29   | 15   | 14 | 2   |
| K1089.26012 | K    | 60 | 24 | M12 | 18 | 34   | 18,5 | 18 | 2   |

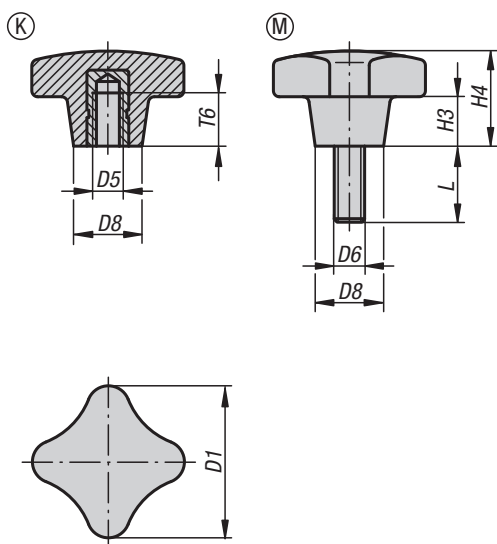
### KIPP Palm grips with external thread

| Order No.    | Form | D1 | D2   | D5  | D6   | H1   | H3   | T1  | L           |
|--------------|------|----|------|-----|------|------|------|-----|-------------|
| K1089.43205X | L    | 32 | 15   | M5  | 11   | 23   | 11   | 1,5 | 16/20       |
| K1089.43206X | L    | 32 | 15   | M6  | 11   | 23   | 11   | 1,5 | 16/20/30    |
| K1089.43208X | L    | 32 | 15   | M8  | 11   | 23   | 11   | 1,5 | 16/20/30/40 |
| K1089.44006X | L    | 40 | 15,7 | M6  | 12   | 24,5 | 12,5 | 1   | 20/30       |
| K1089.44008X | L    | 40 | 15,7 | M8  | 12   | 24,5 | 12,5 | 1   | 20/30/40/50 |
| K1089.45008X | L    | 50 | 20   | M8  | 14,5 | 29   | 15   | 1,5 | 20/30/40    |
| K1089.45010X | L    | 50 | 20   | M10 | 14,5 | 29   | 15   | 1,5 | 20/30/40/50 |
| K1089.46010X | L    | 60 | 24   | M10 | 18   | 34   | 18,5 | 1,5 | 20/30/40/50 |
| K1089.46012X | L    | 60 | 24   | M12 | 18   | 34   | 18,5 | 1,5 | 20/30/40/50 |



## Palm grips

similar to DIN 6335, metal parts stainless steel



### Material:

Duroplast 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

### KIPP Palm grips metal parts stainless steel Form K

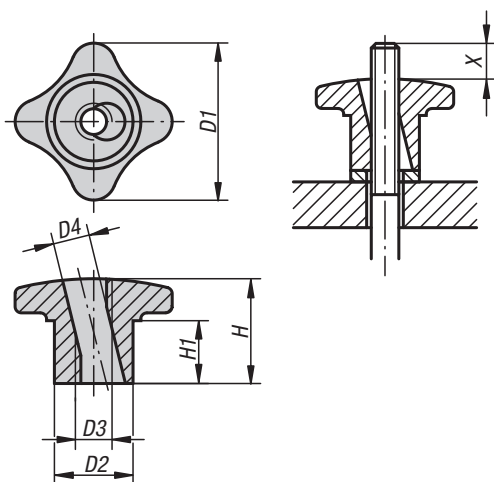
| Order No.   | Component material | Form | D1 | D5  | D8 | H3 | H4 | T6 min. |
|-------------|--------------------|------|----|-----|----|----|----|---------|
| K1017.22505 | stainless steel    | K    | 25 | M5  | 12 | 8  | 16 | 7,5     |
| K1017.23206 | stainless steel    | K    | 32 | M6  | 14 | 10 | 20 | 9       |
| K1017.24008 | stainless steel    | K    | 40 | M8  | 18 | 13 | 25 | 12      |
| K1017.25010 | stainless steel    | K    | 50 | M10 | 22 | 20 | 32 | 15      |
| K1017.26312 | stainless steel    | K    | 63 | M12 | 26 | 25 | 40 | 18      |

### KIPP Palm grips metal parts stainless steel Form L

| Order No.      | Component material | Form | D1 | D6 | D8 | H3 | H4 | L  |
|----------------|--------------------|------|----|----|----|----|----|----|
| K1017.52505X15 | stainless steel    | L    | 25 | M5 | 12 | 8  | 16 | 15 |
| K1017.52505X20 | stainless steel    | L    | 25 | M5 | 12 | 8  | 16 | 20 |
| K1017.53206X15 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 15 |
| K1017.53206X20 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 20 |
| K1017.53206X25 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 25 |
| K1017.53206X30 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 30 |
| K1017.53206X40 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 40 |
| K1017.53206X50 | stainless steel    | L    | 32 | M6 | 14 | 10 | 20 | 50 |
| K1017.54008X20 | stainless steel    | L    | 40 | M8 | 18 | 13 | 25 | 20 |
| K1017.54008X25 | stainless steel    | L    | 40 | M8 | 18 | 13 | 25 | 25 |
| K1017.54008X30 | stainless steel    | L    | 40 | M8 | 18 | 13 | 25 | 30 |
| K1017.54008X40 | stainless steel    | L    | 40 | M8 | 18 | 13 | 25 | 40 |
| K1017.54008X50 | stainless steel    | L    | 40 | M8 | 18 | 13 | 25 | 50 |

# Palm grips quick-acting

grey cast iron


**Material:**

Grey cast iron GJL 300

**Version:**

Vibratory ground.

**Sample order:**

K0683.08

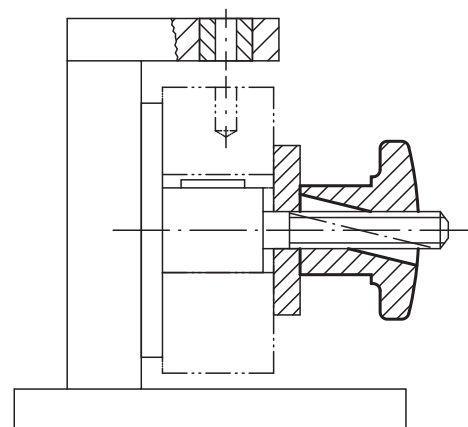
**Note:**

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. | D1 | D2 | D3  | D4   | H  | H1 |
|-----------|----|----|-----|------|----|----|
| K0683.06  | 30 | 15 | M6  | 7    | 20 | 10 |
| K0683.08  | 40 | 18 | M8  | 9,4  | 25 | 14 |
| K0683.10  | 50 | 21 | M10 | 11,3 | 30 | 16 |
| K0683.12  | 60 | 26 | M12 | 13,1 | 35 | 19 |
| K0683.14  | 70 | 30 | M14 | 15,6 | 40 | 22 |
| K0683.16  | 80 | 34 | M16 | 17,6 | 45 | 25 |

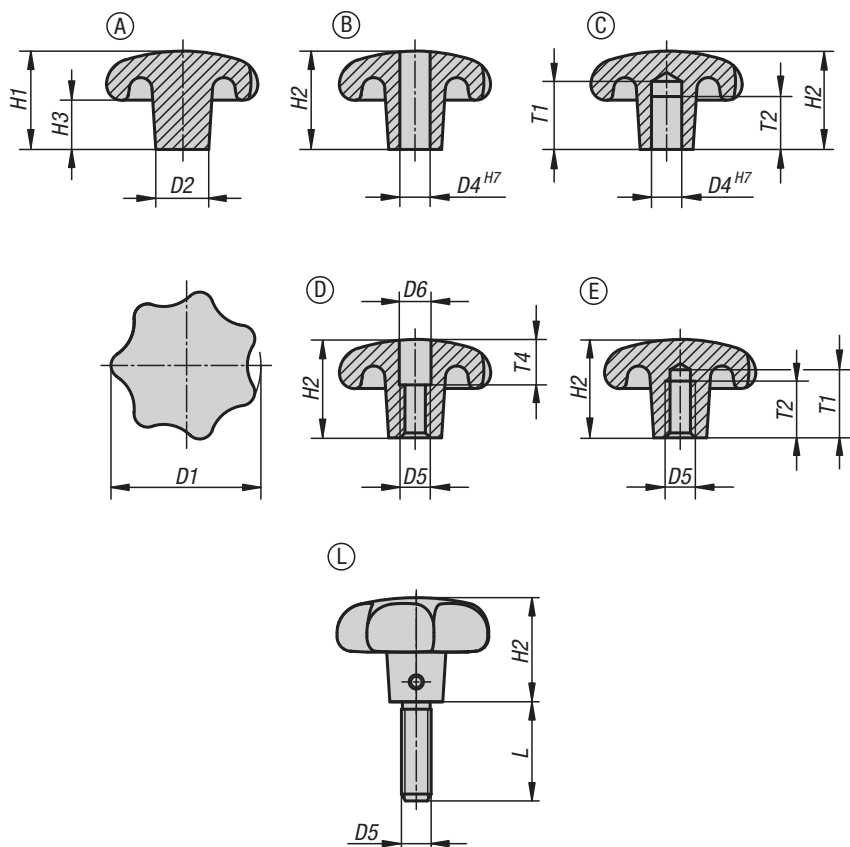


A large rectangular area filled with a light gray grid pattern, intended for taking notes.



# 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:

K0149.14008

## 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.   | Version | Form | D1 | D2 | H1 | H3 |
|-------------|---------|------|----|----|----|----|
| K0149.14008 | tumbled | A    | 40 | 14 | 26 | 13 |
| K0149.15010 | tumbled | A    | 50 | 18 | 34 | 17 |
| K0149.16312 | tumbled | A    | 63 | 20 | 42 | 21 |
| K0149.18016 | tumbled | A    | 80 | 25 | 52 | 25 |

| Order No.<br>tumbled | Order No.<br>polished | Form | D1 | D2 | D4 | H2 |
|----------------------|-----------------------|------|----|----|----|----|
| K0149.24008          | K0149.240082          | B    | 40 | 14 | 8  | 25 |
| K0149.25010          | K0149.250102          | B    | 50 | 18 | 10 | 32 |
| K0149.26312          | K0149.263122          | B    | 63 | 20 | 12 | 40 |
| K0149.28016          | K0149.280162          | B    | 80 | 25 | 16 | 50 |

## Star grips

aluminium, similar to DIN 6336



| Order No.<br>tumbled | Order No.<br>polished | Form | D1 | D2 | D4 | H2 | T1 | T2 |
|----------------------|-----------------------|------|----|----|----|----|----|----|
| K0149.34008          | K0149.340082          | C    | 40 | 14 | 8  | 25 | 18 | 15 |
| K0149.35010          | K0149.350102          | C    | 50 | 18 | 10 | 32 | 21 | 18 |
| K0149.36312          | K0149.363122          | C    | 63 | 20 | 12 | 40 | 25 | 22 |
| K0149.38016          | K0149.380162          | C    | 80 | 25 | 16 | 50 | 32 | 28 |

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

| Order No.<br>tumbled | Order No.<br>polished | Form | D1 | D2 | D5  | H2 | T1 | T2 |
|----------------------|-----------------------|------|----|----|-----|----|----|----|
| K0149.54008          | K0149.540082          | E    | 40 | 14 | M8  | 25 | 18 | 15 |
| K0149.55010          | K0149.550102          | E    | 50 | 18 | M10 | 32 | 21 | 18 |
| K0149.56312          | K0149.563122          | E    | 63 | 20 | M12 | 40 | 25 | 22 |
| K0149.58016          | K0149.580162          | E    | 80 | 25 | M16 | 50 | 32 | 28 |

| Order No.    | Form | Version | D1 | D2 | D5  | H2 | L           |
|--------------|------|---------|----|----|-----|----|-------------|
| K0149.64008X | L    | tumbled | 40 | 14 | M8  | 25 | 20/25/30/40 |
| K0149.65010X | L    | tumbled | 50 | 18 | M10 | 32 | 25/30/40/50 |
| K0149.66312X | L    | tumbled | 63 | 20 | M12 | 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:

K0150.232062

### Drawing reference:

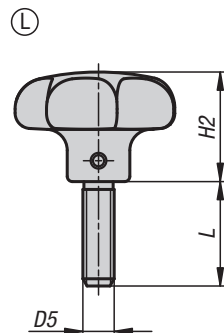
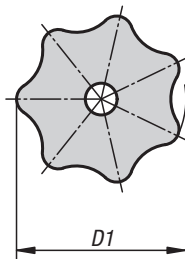
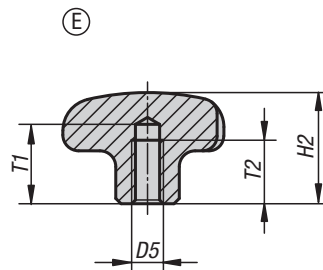
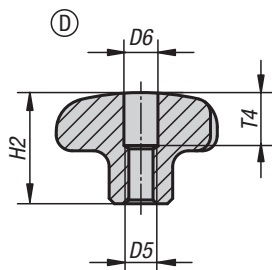
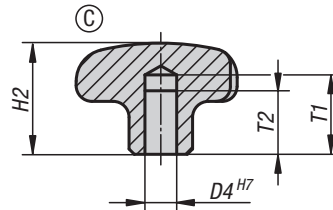
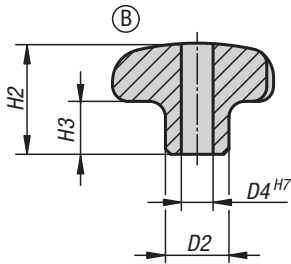
Form B: drilled through

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

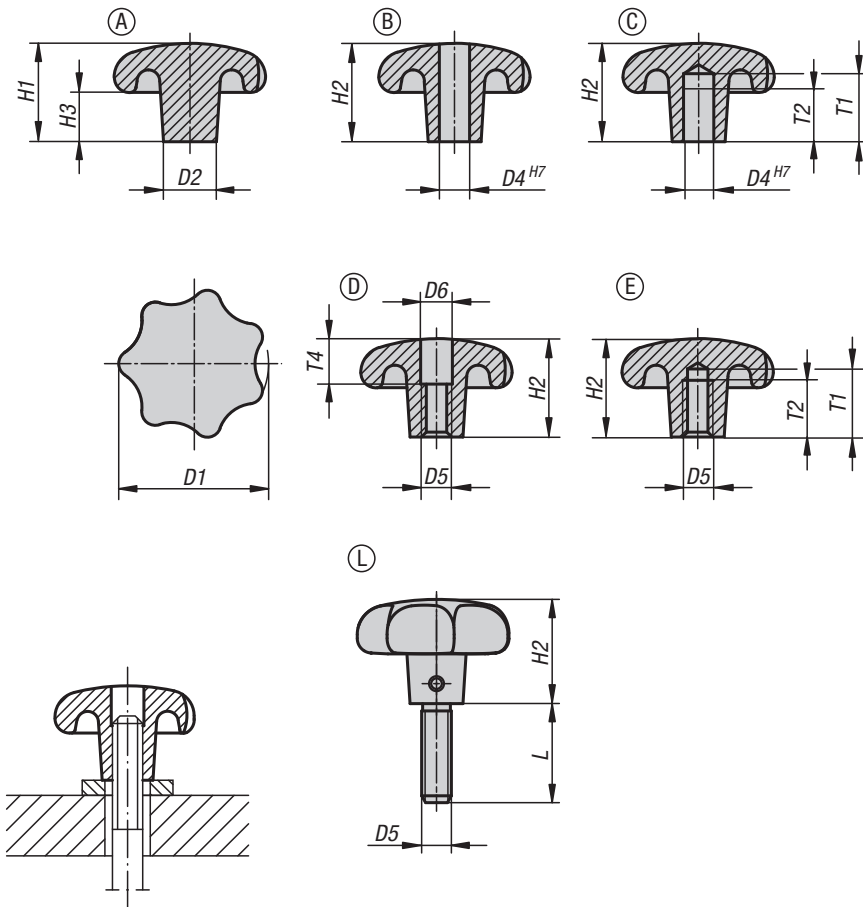
| Order No.<br>Form B | Order No.<br>Form C | Version  | D1 | D2 | D4 | H2 | H3 | T1   | T2   |
|---------------------|---------------------|----------|----|----|----|----|----|------|------|
| K0150.232062        | K0150.332062        | polished | 32 | 12 | 6  | 21 | 10 | -/15 | -/12 |
| K0150.240082        | K0150.340082        | polished | 40 | 14 | 8  | 26 | 13 | -/18 | -/15 |
| K0150.250102        | K0150.350102        | polished | 50 | 18 | 10 | 34 | 17 | -/21 | -/18 |
| K0150.263122        | K0150.363122        | polished | 63 | 20 | 12 | 42 | 21 | -/25 | -/22 |
| K0150.232063        | K0150.332063        | blasted  | 32 | 12 | 6  | 21 | 10 | -/15 | -/12 |
| K0150.240083        | K0150.340083        | blasted  | 40 | 14 | 8  | 26 | 13 | -/18 | -/15 |
| K0150.250103        | K0150.350103        | blasted  | 50 | 18 | 10 | 34 | 17 | -/21 | -/18 |
| K0150.263123        | K0150.363123        | blasted  | 63 | 20 | 12 | 42 | 21 | -/25 | -/22 |

| Order No.<br>Form D | Order No.<br>Form E | Version  | D1 | D2 | D5  | D6     | H2 | H3 | T1   | T2   | T4   |
|---------------------|---------------------|----------|----|----|-----|--------|----|----|------|------|------|
| K0150.432062        | K0150.532062        | polished | 32 | 12 | M6  | 6,4/-  | 21 | 10 | -/15 | -/12 | 10/- |
| K0150.440082        | K0150.540082        | polished | 40 | 14 | M8  | 8,4/-  | 26 | 13 | -/18 | -/15 | 12/- |
| K0150.450102        | K0150.550102        | polished | 50 | 18 | M10 | 10,5/- | 34 | 17 | -/21 | -/18 | 16/- |
| K0150.463122        | K0150.563122        | polished | 63 | 20 | M12 | 13/-   | 42 | 21 | -/25 | -/22 | 20/- |
| K0150.432063        | K0150.532063        | blasted  | 32 | 12 | M6  | 6,4/-  | 21 | 10 | -/15 | -/12 | 10/- |
| K0150.440083        | K0150.540083        | blasted  | 40 | 14 | M8  | 8,4/-  | 26 | 13 | -/18 | -/15 | 12/- |
| K0150.450103        | K0150.550103        | blasted  | 50 | 18 | M10 | 10,5/- | 34 | 17 | -/21 | -/18 | 16/- |
| K0150.463123        | K0150.563123        | blasted  | 63 | 20 | M12 | 13/-   | 42 | 21 | -/25 | -/22 | 20/- |

| Order No.     | Form | Version | D1 | D2 | D5  | H2 | H3 | L           |
|---------------|------|---------|----|----|-----|----|----|-------------|
| K0150.632063X | L    | blasted | 32 | 12 | M6  | 21 | 10 | 15/20/25/30 |
| K0150.640083X | L    | blasted | 40 | 14 | M8  | 26 | 13 | 20/25/30/40 |
| K0150.650103X | L    | blasted | 50 | 18 | M10 | 34 | 17 | 25/30/40/50 |
| K0150.663123X | L    | blasted | 63 | 20 | M12 | 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:

K0151.106

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

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

| Order No.  | Form | Version | D1 | D2 | D5  | H2 | L           |
|------------|------|---------|----|----|-----|----|-------------|
| K0151.606X | L    | tumbled | 32 | 12 | M6  | 20 | 15/20/25/30 |
| K0151.608X | L    | tumbled | 40 | 14 | M8  | 25 | 20/25/30/40 |
| K0151.610X | L    | tumbled | 50 | 18 | M10 | 32 | 25/30/40/50 |
| K0151.612X | L    | tumbled | 63 | 20 | M12 | 40 | 30/40/50/60 |



## Star grips

similar to DIN 6336



### Material:

Duroplast PF 31, black.

Bush and screw steel, galvanized and blue passivated.

### Version:

High-gloss polished.

### Sample order:

K0152.42505X15 (include length L.)

### Note:

The version K0152.22004 has a brass bush.

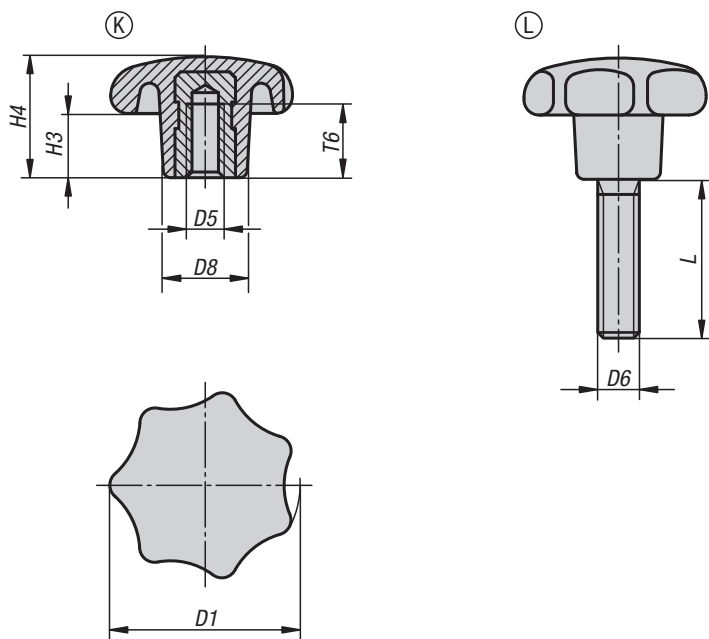
### On request:

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 | D1 | D5  | D8 | H3 | H4 | T6  |
|-------------|------|----|-----|----|----|----|-----|
| K0152.22004 | K    | 20 | M4  | 10 | 7  | 13 | 6,5 |
| K0152.22505 | K    | 25 | M5  | 12 | 8  | 16 | 9,5 |
| K0152.23206 | K    | 32 | M6  | 14 | 10 | 20 | 12  |
| K0152.24008 | K    | 40 | M8  | 18 | 13 | 25 | 14  |
| K0152.25010 | K    | 50 | M10 | 22 | 17 | 32 | 18  |
| K0152.26312 | K    | 63 | M12 | 26 | 21 | 40 | 22  |
| K0152.28016 | K    | 80 | M16 | 35 | 25 | 50 | 30  |

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

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

## Star grips

similar to DIN 6336 metal parts stainless steel



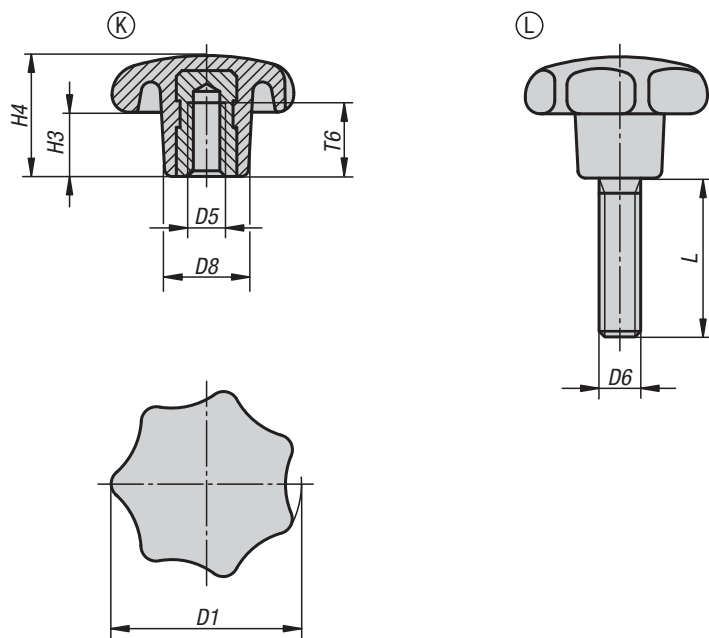
**Material:**  
Duroplast PF 31, black.  
Bushing or threaded pin stainless steel 1.4301.

**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.   | Component material | Form | D1 | D5  | D8 | H3 | H4 | T6 | T6 min. |
|-------------|--------------------|------|----|-----|----|----|----|----|---------|
| K1016.23206 | stainless steel    | K    | 32 | M6  | 14 | 10 | 20 | 12 | 9       |
| K1016.24008 | stainless steel    | K    | 40 | M8  | 18 | 13 | 25 | 14 | 12      |
| K1016.25010 | stainless steel    | K    | 50 | M10 | 22 | 17 | 32 | 18 | 15      |
| K1016.26312 | stainless steel    | K    | 63 | M12 | 26 | 21 | 40 | 22 | 18      |

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

| Order No.      | Component material | Form | D1 | L  | D6 | D8 | H3 | H4 |
|----------------|--------------------|------|----|----|----|----|----|----|
| K1016.43206X15 | stainless steel    | L    | 32 | 15 | M6 | 14 | 10 | 20 |
| K1016.43206X20 | stainless steel    | L    | 32 | 20 | M6 | 14 | 10 | 20 |
| K1016.43206X25 | stainless steel    | L    | 32 | 25 | M6 | 14 | 10 | 20 |
| K1016.43206X30 | stainless steel    | L    | 32 | 30 | M6 | 14 | 10 | 20 |
| K1016.44008X20 | stainless steel    | L    | 40 | 20 | M8 | 18 | 13 | 25 |
| K1016.44008X25 | stainless steel    | L    | 40 | 25 | M8 | 18 | 13 | 25 |
| K1016.44008X30 | stainless steel    | L    | 40 | 30 | M8 | 18 | 13 | 25 |
| K1016.44008X40 | stainless steel    | L    | 40 | 40 | M8 | 18 | 13 | 25 |

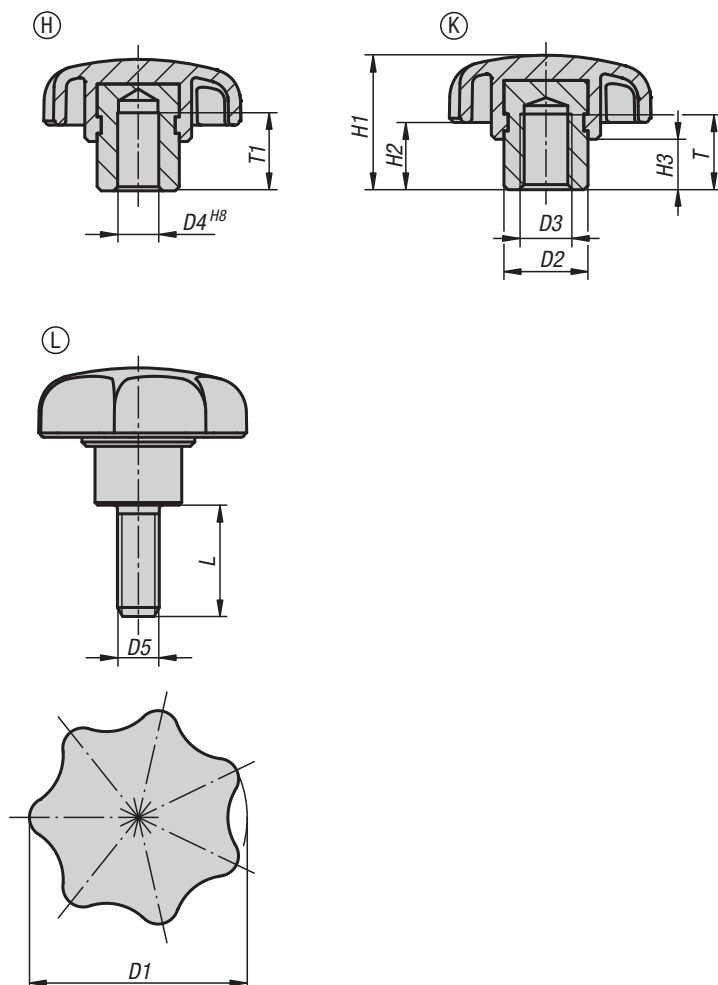


A large grid of graph paper for taking notes.



## Star grips

with projecting steel bush



### Material:

Black thermoplastic.

Steel grade 5.8 or stainless steel 1.4305.

### Version:

Metal parts blue passivated steel or bright stainless steel.

### Sample order:

K0153.2081

### Note:

The projecting steel bush make these star grips very suitable as blind hole or internal thread versions especially 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.  | Component material | Form | D4 | T1   | D1 | D2   | H1 | H2 | H3  |
|------------|--------------------|------|----|------|----|------|----|----|-----|
| K0153.105  | steel              | H    | 5  | 9,5  | 25 | 10   | 17 | 9  | 7   |
| K0153.106  | steel              | H    | 6  | 12,5 | 32 | 13,5 | 21 | 11 | 9,5 |
| K0153.1061 | steel              | H    | 6  | 12,5 | 40 | 13,5 | 25 | 13 | 10  |
| K0153.108  | steel              | H    | 8  | 12,5 | 40 | 13,5 | 25 | 13 | 10  |
| K0153.1081 | steel              | H    | 8  | 19,5 | 50 | 19   | 32 | 17 | 12  |
| K0153.110  | steel              | H    | 10 | 19,5 | 50 | 19   | 32 | 17 | 12  |
| K0153.1101 | steel              | H    | 10 | 19,5 | 63 | 19   | 37 | 18 | 12  |
| K0153.112  | steel              | H    | 12 | 19,5 | 63 | 19   | 37 | 18 | 12  |
| K0153.116  | steel              | H    | 16 | 24,5 | 63 | 23   | 40 | 21 | 15  |

# Star grips

with projecting steel bush



## KIPP Star grips with projecting steel bush, Form K

| Order No.<br>steel | Order No.<br>stainless steel | Form | D3  | T  | D1 | D2   | H1 | H2 | H3  |
|--------------------|------------------------------|------|-----|----|----|------|----|----|-----|
| K0153.205          | K0153.305                    | K    | M5  | 9  | 25 | 10   | 17 | 9  | 7   |
| K0153.206          | K0153.306                    | K    | M6  | 12 | 32 | 13,5 | 21 | 11 | 9,5 |
| K0153.2061         | K0153.3061                   | K    | M6  | 12 | 40 | 13,5 | 25 | 13 | 10  |
| K0153.208          | K0153.308                    | K    | M8  | 12 | 40 | 13,5 | 25 | 13 | 10  |
| K0153.2081         | K0153.3081                   | K    | M8  | 17 | 50 | 19   | 32 | 17 | 12  |
| K0153.210          | K0153.310                    | K    | M10 | 17 | 50 | 19   | 32 | 17 | 12  |
| K0153.2101         | K0153.3101                   | K    | M10 | 17 | 63 | 19   | 37 | 18 | 12  |
| K0153.212          | K0153.312                    | K    | M12 | 17 | 63 | 19   | 37 | 18 | 12  |
| K0153.216          | K0153.316                    | K    | M16 | 23 | 63 | 23   | 40 | 21 | 15  |

## KIPP Star grips with external thread, Form L

| Order No.<br>steel | Order No.<br>stainless steel | Form | D5  | D1 | D2   | H1 | 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

similar to DIN 6336



**Material:**  
Black thermoplastic.  
Bush and screw steel.

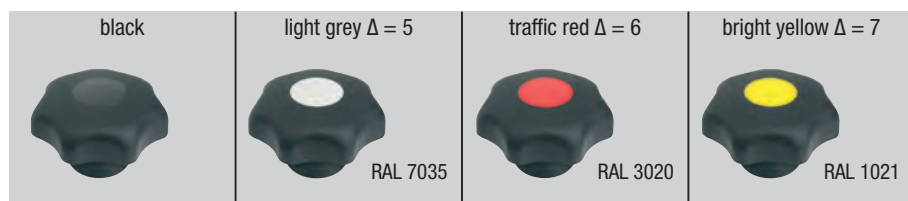
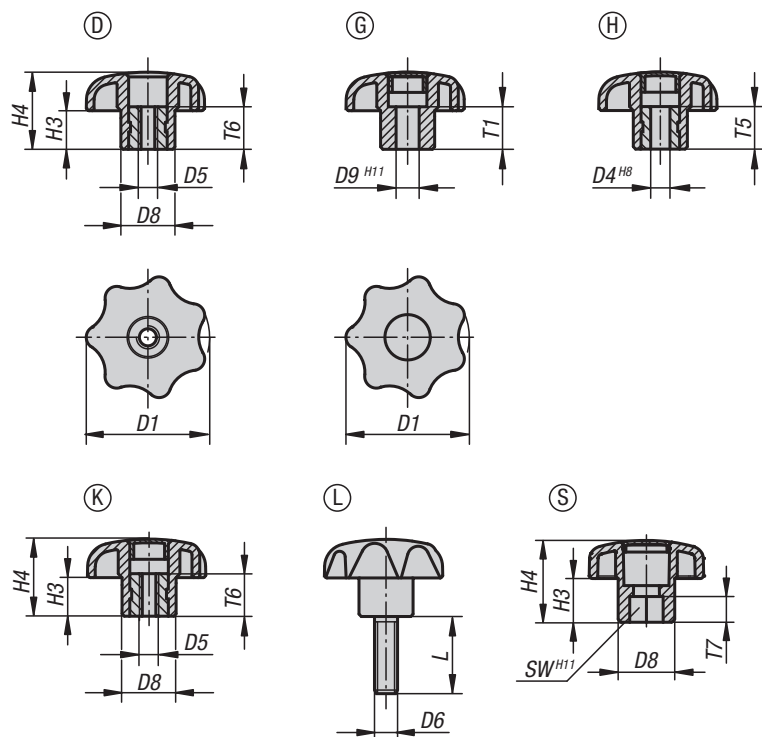
**Version:**  
Bush and screw, galvanized and blue passivated.

**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



### KIPP Star grips similar to DIN 6336, Form D and S

| Order No.  | Form | D1 | D5  | D8 | H3  | H4   | SW | T6 | T7 |
|------------|------|----|-----|----|-----|------|----|----|----|
| K0155.504  | D    | 25 | M4  | 12 | 8   | 16   | -  | 10 | -  |
| K0155.505  | D    | 25 | M5  | 12 | 8   | 16   | -  | 10 | -  |
| K0155.5061 | D    | 25 | M6  | 12 | 8   | 16   | -  | 10 | -  |
| K0155.5051 | D    | 32 | M5  | 14 | 10  | 20   | -  | 10 | -  |
| K0155.506  | D    | 32 | M6  | 14 | 10  | 20   | -  | 10 | -  |
| K0155.508  | D    | 40 | M8  | 18 | 13  | 25   | -  | 14 | -  |
| K0155.5101 | D    | 40 | M10 | 18 | 13  | 25   | -  | 14 | -  |
| K0155.5081 | D    | 50 | M8  | 22 | 17  | 32   | -  | 14 | -  |
| K0155.510  | D    | 50 | M10 | 22 | 17  | 32   | -  | 14 | -  |
| K0155.5121 | D    | 50 | M12 | 22 | 17  | 32   | -  | 18 | -  |
| K0155.5102 | D    | 63 | M10 | 26 | 21  | 40   | -  | 14 | -  |
| K0155.512  | D    | 63 | M12 | 26 | 21  | 40   | -  | 18 | -  |
| K0155.516  | D    | 63 | M16 | 26 | 21  | 40   | -  | 18 | -  |
| K0155.808  | S    | 32 | -   | 14 | 9,2 | 19,6 | 8  | -  | 5  |
| K0155.810  | S    | 40 | -   | 18 | 13  | 24,5 | 10 | -  | 10 |
| K0155.813  | S    | 50 | -   | 22 | 17  | 31,2 | 13 | -  | 10 |
| K0155.816  | S    | 63 | -   | 26 | 21  | 39,4 | 16 | -  | 15 |

# Star grips

similar to DIN 6336



examples of grip cap designs



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

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

## KIPP Star grips similar to DIN 6336 with reamed hole, Form G and H

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

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

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

## Star grips biopolymer

similar to DIN 6336



### Material:

Grip biopolymer.  
Bush and screw steel.

### Version:

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

### Sample order:

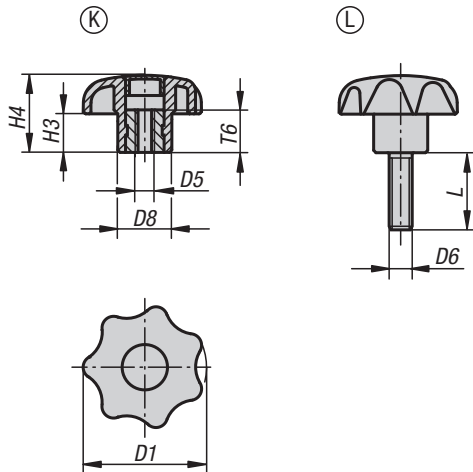
K0155.10406190X15

### Advantages:

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

### 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.       | Main colour         | Form | D1 | D5  | D8 | H3 | H4 | T6 |
|-----------------|---------------------|------|----|-----|----|----|----|----|
| K0155.102051143 | natural beech       | K    | 32 | M5  | 14 | 10 | 20 | 10 |
| K0155.10206143  | natural beech       | K    | 32 | M6  | 14 | 10 | 20 | 10 |
| K0155.10208143  | natural beech       | K    | 40 | M8  | 18 | 13 | 25 | 14 |
| K0155.102081143 | natural beech       | K    | 50 | M8  | 22 | 17 | 32 | 14 |
| K0155.102101143 | natural beech       | K    | 40 | M10 | 18 | 13 | 25 | 14 |
| K0155.10210143  | natural beech       | K    | 50 | M10 | 22 | 17 | 32 | 14 |
| K0155.102121143 | natural beech       | K    | 50 | M12 | 22 | 17 | 32 | 18 |
| K0155.10205190  | black grey RAL 7021 | K    | 32 | M5  | 14 | 10 | 20 | 10 |
| K0155.1020690   | black grey RAL 7021 | K    | 32 | M6  | 14 | 10 | 20 | 10 |
| K0155.1020890   | black grey RAL 7021 | K    | 40 | M8  | 18 | 13 | 25 | 14 |
| K0155.10208190  | black grey RAL 7021 | K    | 50 | M8  | 22 | 17 | 32 | 14 |
| K0155.10210190  | black grey RAL 7021 | K    | 40 | M10 | 18 | 13 | 25 | 14 |
| K0155.1021090   | black grey RAL 7021 | K    | 50 | M10 | 22 | 17 | 32 | 14 |
| K0155.10212190  | black grey RAL 7021 | K    | 50 | M12 | 22 | 17 | 32 | 18 |

## KIPP Star grips biopolymer similar to DIN 6336, external thread

| Order No.          | Main colour         | Form | D1 | D6  | D8 | H3 | H4 | L  |
|--------------------|---------------------|------|----|-----|----|----|----|----|
| K0155.104061143X15 | natural beech       | L    | 32 | M6  | 14 | 10 | 20 | 15 |
| K0155.10408143X20  | natural beech       | L    | 32 | M8  | 14 | 10 | 20 | 20 |
| K0155.104081143X25 | natural beech       | L    | 40 | M8  | 18 | 13 | 25 | 25 |
| K0155.10410143X25  | natural beech       | L    | 40 | M10 | 18 | 13 | 25 | 25 |
| K0155.104101143X25 | natural beech       | L    | 50 | M10 | 22 | 17 | 32 | 25 |
| K0155.10412143X25  | natural beech       | L    | 50 | M12 | 22 | 17 | 32 | 25 |
| K0155.10406190X15  | black grey RAL 7021 | L    | 32 | M6  | 14 | 10 | 20 | 15 |
| K0155.1040890X20   | black grey RAL 7021 | L    | 32 | M8  | 14 | 10 | 20 | 20 |
| K0155.10408190X25  | black grey RAL 7021 | L    | 40 | M8  | 18 | 13 | 25 | 25 |
| K0155.1041090X25   | black grey RAL 7021 | L    | 40 | M10 | 18 | 13 | 25 | 25 |
| K0155.10410190X25  | black grey RAL 7021 | L    | 50 | M10 | 22 | 17 | 32 | 25 |
| K0155.1041290X25   | black grey RAL 7021 | L    | 50 | M12 | 22 | 17 | 32 | 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, viruses 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:

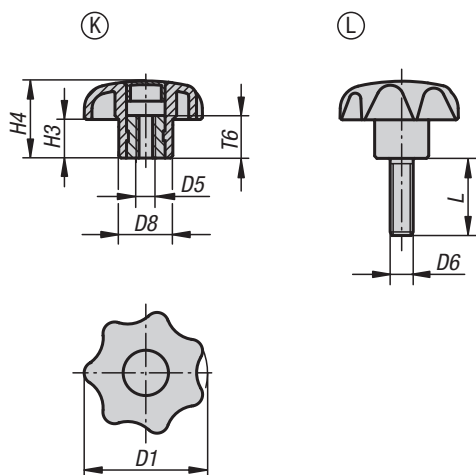
Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection while touching 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

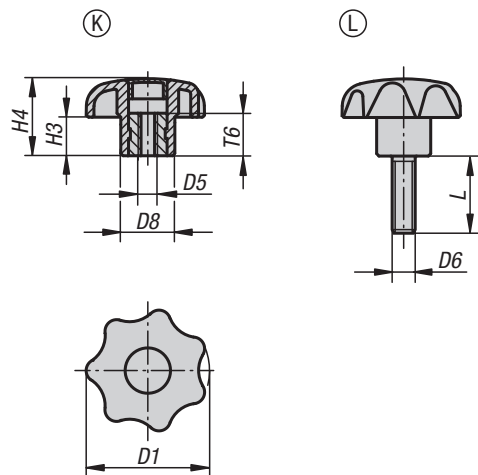
| Order No.      | Form | D1 | D5 | D8 | H3 | H4 | T6 |
|----------------|------|----|----|----|----|----|----|
| K0154.12208144 | K    | 40 | M8 | 18 | 13 | 25 | 14 |

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

| Order No.         | Form | D1 | D6 | D8 | H3 | H4 | L  |
|-------------------|------|----|----|----|----|----|----|
| K0154.12408144X25 | L    | 40 | M8 | 18 | 13 | 25 | 25 |

# Star grips antistatic

similar to DIN 6336



## 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

## 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.

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

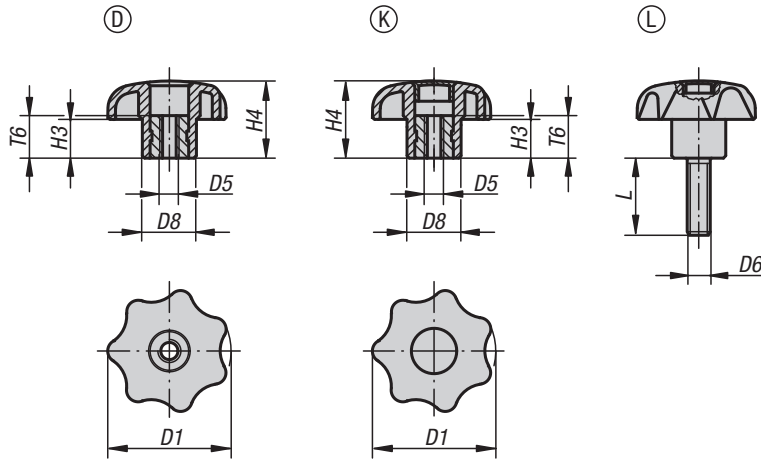
| Order No.     | Main colour             | Form | D1 | D5 | D8 | H3 | H4 | T6 |
|---------------|-------------------------|------|----|----|----|----|----|----|
| K0155.1120824 | graphite black RAL 9011 | K    | 40 | M8 | 18 | 13 | 25 | 14 |

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

| Order No.         | Main colour             | Form | D1 | D6 | D8 | H3 | H4 | L  |
|-------------------|-------------------------|------|----|----|----|----|----|----|
| K0155.11408124X25 | graphite black RAL 9011 | L    | 40 | M8 | 18 | 13 | 25 | 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:

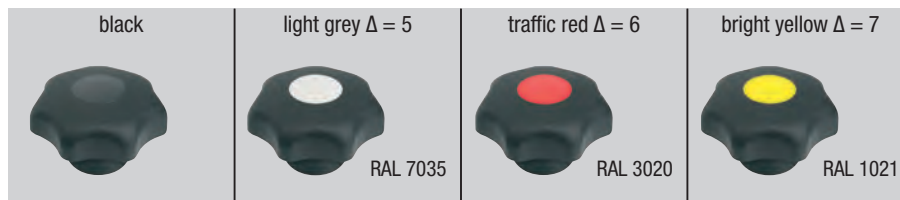
Other colours or designs, such as company logo.

### 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 | D1 | D5  | D8 | H3 | H4 | T6 |
|-----------|------|----|-----|----|----|----|----|
| K0154.505 | D    | 25 | M5  | 12 | 8  | 16 | 10 |
| K0154.506 | D    | 32 | M6  | 14 | 10 | 20 | 10 |
| K0154.508 | D    | 40 | M8  | 18 | 13 | 25 | 14 |
| K0154.510 | D    | 50 | M10 | 22 | 17 | 32 | 14 |
| K0154.512 | D    | 63 | M12 | 26 | 21 | 40 | 18 |

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

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

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

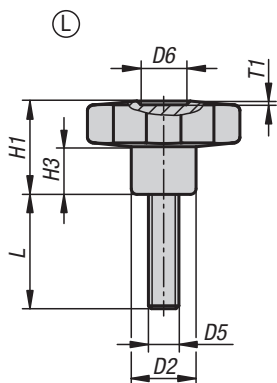
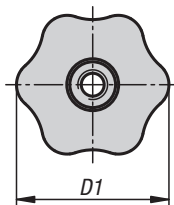
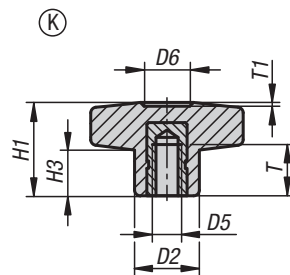
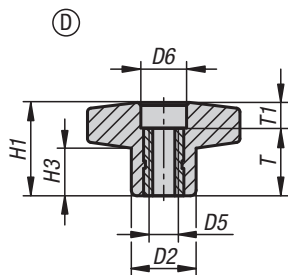
| Order No.   | Form | D1 | D6  | D8 | H3 | H4 | L                 |
|-------------|------|----|-----|----|----|----|-------------------|
| K0154.405ΔX | L    | 25 | M5  | 12 | 8  | 16 | 15/20             |
| K0154.406ΔX | L    | 32 | M6  | 14 | 10 | 20 | 20/30             |
| K0154.408ΔX | L    | 40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



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



## Star grips



### Material:

Fibreglass reinforced thermoplastic.  
Tapped bush brass.  
Screw steel.

### Version:

Grip, black.  
Screw galvanized.

### 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 | D1 | D2 | D5  | D6   | H1   | H3   | T  | T1 |
|-------------|------|----|----|-----|------|------|------|----|----|
| K1090.53005 | D    | 30 | 15 | M5  | 11   | 22   | 11   | 18 | 4  |
| K1090.53006 | D    | 30 | 15 | M6  | 11   | 22   | 11   | 18 | 4  |
| K1090.53008 | D    | 30 | 15 | M8  | 11   | 22   | 11   | 18 | 4  |
| K1090.54006 | D    | 40 | 17 | M6  | 12   | 24,5 | 12,5 | 18 | 6  |
| K1090.54008 | D    | 40 | 17 | M8  | 12   | 24,5 | 12,5 | 18 | 6  |
| K1090.54010 | D    | 40 | 17 | M10 | 12   | 24,5 | 12,5 | 18 | 6  |
| K1090.55008 | D    | 50 | 20 | M8  | 14   | 29   | 15,5 | 18 | 11 |
| K1090.55010 | D    | 50 | 20 | M10 | 14   | 29   | 15,5 | 18 | 11 |
| K1090.55012 | D    | 50 | 20 | M12 | 14   | 29   | 14   | 18 | 11 |
| K1090.56010 | D    | 60 | 24 | M10 | 16,5 | 34   | 18   | 18 | 16 |
| K1090.56012 | D    | 60 | 24 | M12 | 16,5 | 34   | 18   | 18 | 16 |

## KIPP Form K, tapped bush

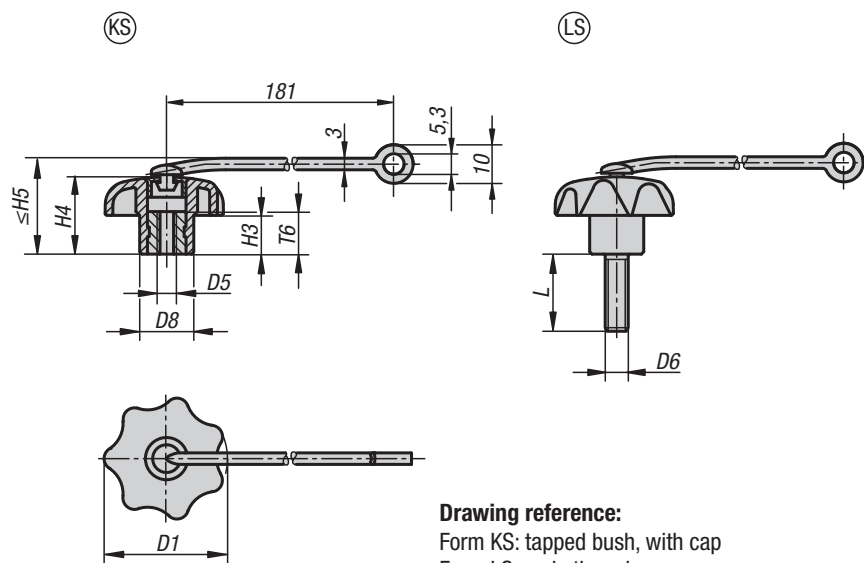
| Order No.   | Form | D1 | D2 | D5  | D6   | H1   | H3   | T  | T1  |
|-------------|------|----|----|-----|------|------|------|----|-----|
| K1090.23005 | K    | 30 | 15 | M5  | 9    | 22   | 11   | 14 | 1,5 |
| K1090.23006 | K    | 30 | 15 | M6  | 9    | 22   | 11   | 10 | 1,5 |
| K1090.24006 | K    | 40 | 17 | M6  | 12   | 24,5 | 12   | 16 | 1   |
| K1090.24008 | K    | 40 | 17 | M8  | 12   | 24,5 | 12   | 14 | 1   |
| K1090.24010 | K    | 40 | 17 | M10 | 12   | 24,5 | 12   | 14 | 1   |
| K1090.25008 | K    | 50 | 20 | M8  | 14,5 | 29   | 15,5 | 14 | 1,5 |
| K1090.25010 | K    | 50 | 20 | M10 | 14,5 | 29   | 15,5 | 14 | 1,5 |
| K1090.25012 | K    | 50 | 20 | M12 | 14,5 | 29   | 15,5 | 18 | 1,5 |
| K1090.26010 | K    | 60 | 24 | M10 | 18   | 34   | 18   | 21 | 1,5 |
| K1090.26012 | K    | 60 | 24 | M12 | 18   | 34   | 18   | 18 | 1,5 |

## KIPP Form L, external thread

| Order No.    | Form | D1 | D2 | D5  | D6   | H1   | H3   | T1  | L           |
|--------------|------|----|----|-----|------|------|------|-----|-------------|
| K1090.43006X | L    | 30 | 15 | M6  | 9    | 22   | 11   | 1,5 | 16/20/30    |
| K1090.43008X | L    | 30 | 15 | M8  | 9    | 22   | 11   | 1,5 | 16/20/30/40 |
| K1090.44006X | L    | 40 | 17 | M6  | 12   | 24,5 | 12,5 | 1   | 16/20/30/40 |
| K1090.44008X | L    | 40 | 17 | M8  | 12   | 24,5 | 12,5 | 1   | 20/30/40/50 |
| K1090.45008X | L    | 50 | 20 | M8  | 14,5 | 29   | 15   | 1,5 | 20/30/40    |
| K1090.45010X | L    | 50 | 20 | M10 | 14,5 | 29   | 15   | 1,5 | 20/30/40/50 |
| K1090.46010X | L    | 60 | 24 | M10 | 18   | 34   | 18   | 1,5 | 20/30/40/50 |
| K1090.46012X | L    | 60 | 24 | M12 | 18   | 34   | 18   | 1,5 | 20/30/40/50 |

## Star grips with safety band

similar to DIN 6336



**Drawing reference:**  
Form KS: tapped bush, with cap  
Form LS: male thread

**Material:**

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

**Version:**

Bush and screw, galvanized and 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.

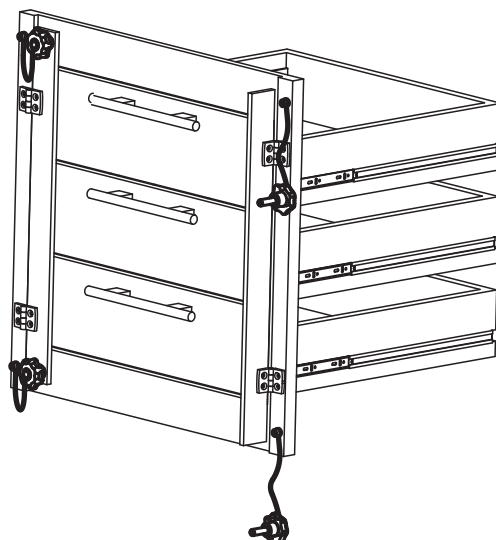
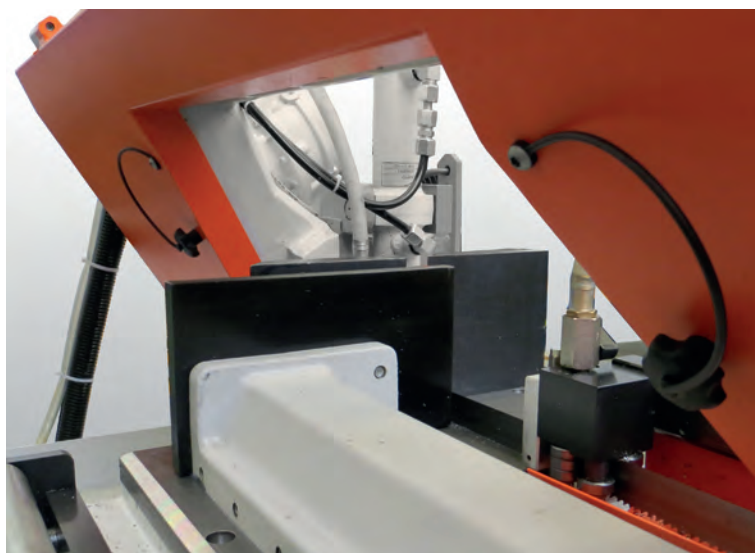
Attach the safety band to a base to make the star grip unlosable. The star grip cannot be moved far from the object to which it belongs, simplifying screwing and unscrewing of the grip and ensuring against loss.

### 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 band is also available as an accessory, see K0743.04190.





# Star grips with safety band

similar to DIN 6336



## KIPP Star grips with safety band, female thread, Form KS

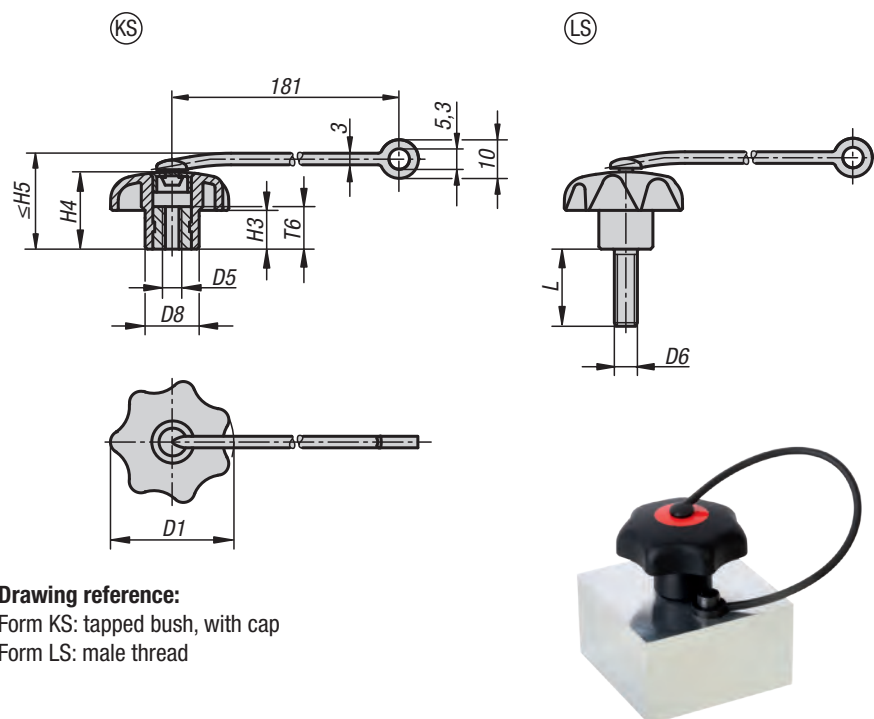
| Order No.   | Form | D1 | D5  | D8 | H3 | H4 | H5 max. | T6 |
|-------------|------|----|-----|----|----|----|---------|----|
| K0155.604Δ  | KS   | 25 | M4  | 12 | 8  | 16 | 22      | 10 |
| K0155.605Δ  | KS   | 25 | M5  | 12 | 8  | 16 | 22      | 10 |
| K0155.6061Δ | KS   | 25 | M6  | 12 | 8  | 16 | 22      | 10 |
| K0155.6051Δ | KS   | 32 | M5  | 14 | 10 | 20 | 26      | 10 |
| K0155.606Δ  | KS   | 32 | M6  | 14 | 10 | 20 | 26      | 10 |
| K0155.608Δ  | KS   | 40 | M8  | 18 | 13 | 25 | 31      | 14 |
| K0155.6101Δ | KS   | 40 | M10 | 18 | 13 | 25 | 31      | 14 |
| K0155.6081Δ | KS   | 50 | M8  | 22 | 17 | 32 | 38      | 14 |
| K0155.610Δ  | KS   | 50 | M10 | 22 | 17 | 32 | 38      | 14 |
| K0155.6121Δ | KS   | 50 | M12 | 22 | 17 | 32 | 38      | 14 |
| K0155.6102Δ | KS   | 63 | M10 | 26 | 21 | 40 | 46      | 14 |
| K0155.612Δ  | KS   | 63 | M12 | 26 | 21 | 40 | 46      | 14 |
| K0155.616Δ  | KS   | 63 | M16 | 26 | 21 | 40 | 46      | 14 |

## KIPP Star grips with safety band, male thread, Form LS

| Order No.    | Form | D1 | D6  | D8 | H3 | H4 | H5 max. | L                             |
|--------------|------|----|-----|----|----|----|---------|-------------------------------|
| K0155.705ΔX  | LS   | 25 | M5  | 12 | 8  | 16 | 22      | 10/15/20/25/30/35/40/45/50/60 |
| K0155.706ΔX  | LS   | 25 | M6  | 12 | 8  | 16 | 22      | 10/15/20/25/30/35/40/45/50/60 |
| K0155.7061ΔX | LS   | 32 | M6  | 14 | 10 | 20 | 26      | 10/15/20/25/30/35/40/45/50/60 |
| K0155.708ΔX  | LS   | 32 | M8  | 14 | 10 | 20 | 26      | 15/20/25/30/35/40/45/50/60    |
| K0155.7081ΔX | LS   | 40 | M8  | 18 | 13 | 25 | 31      | 15/20/25/30/35/40/45/50/60    |
| K0155.710ΔX  | LS   | 40 | M10 | 18 | 13 | 25 | 31      | 15/20/25/30/35/40/45/50/60    |
| K0155.7101ΔX | LS   | 50 | M10 | 22 | 17 | 32 | 38      | 15/20/25/30/35/40/45/50/60    |
| K0155.712ΔX  | LS   | 50 | M12 | 22 | 17 | 32 | 38      | 15/20/25/30/35/40/45/50/60    |
| K0155.7102ΔX | LS   | 63 | M10 | 26 | 21 | 40 | 46      | 20/25/30/35/40/45/50/60       |
| K0155.7121ΔX | LS   | 63 | M12 | 26 | 21 | 40 | 46      | 20/25/30/35/40/45/50/60       |
| K0155.716ΔX  | LS   | 63 | M16 | 26 | 21 | 40 | 46      | 30/35/40/45/50/60             |

# Star grips with safety band

similar to DIN 6336, metal parts stainless steel



## Drawing reference:

Form KS: tapped bush, with cap

Form LS: male thread



## Material:

Grip thermoplastic.

Bush and screw stainless steel 1.4305.

Safety band elastic TPU.

## Version:

Bush and screw bright.

## Sample order:

K0154.7056X15

(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 band 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 band is also available as an accessory, see K0743.04190.



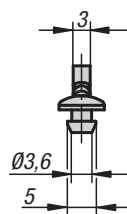
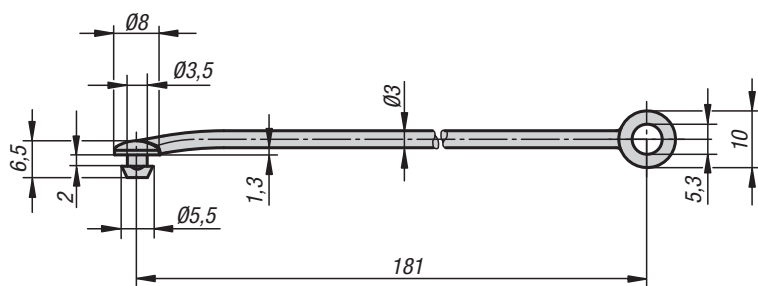
## KIPP Star grips with safety band, metal parts stainless steel, internal thread, Form KS

| Order No.  | Form | D1 | D5  | D8 | H3 | H4 | H5 max. | T6 |
|------------|------|----|-----|----|----|----|---------|----|
| K0154.605Δ | KS   | 25 | M5  | 12 | 8  | 16 | 22      | 10 |
| K0154.606Δ | KS   | 32 | M6  | 14 | 10 | 20 | 26      | 10 |
| K0154.608Δ | KS   | 40 | M8  | 18 | 13 | 25 | 31      | 14 |
| K0154.610Δ | KS   | 50 | M10 | 22 | 17 | 32 | 38      | 14 |
| K0154.612Δ | KS   | 63 | M12 | 26 | 21 | 40 | 46      | 18 |

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

| Order No.   | Form | D1 | D6  | D8 | H3 | H4 | H5 max. | L                 |
|-------------|------|----|-----|----|----|----|---------|-------------------|
| K0154.705ΔX | LS   | 25 | M5  | 12 | 8  | 16 | 22      | 15/20             |
| K0154.706ΔX | LS   | 32 | M6  | 14 | 10 | 20 | 26      | 20/30             |
| K0154.708ΔX | LS   | 40 | M8  | 18 | 13 | 25 | 31      | 15/20/25/30/40/60 |
| K0154.710ΔX | LS   | 50 | M10 | 22 | 17 | 32 | 38      | 25/30/40/50/60    |

## Safety band

**Material:**

Thermoplastic urethane TPU.

**Sample order:**

K0743.04190

**Note:**

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

Depending on the wall thickness, it can be attached to almost every operating part, fastening element or other object to make them unlosable.

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

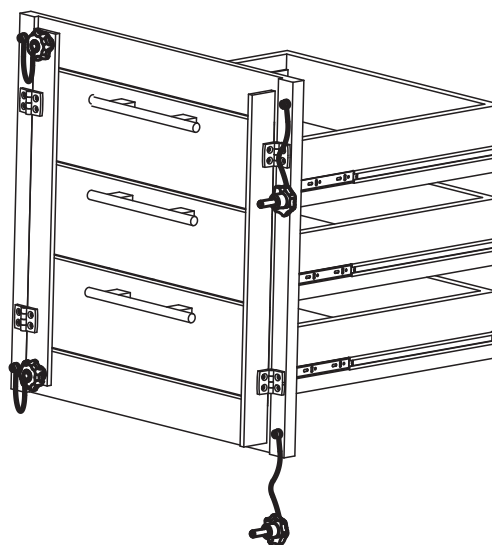
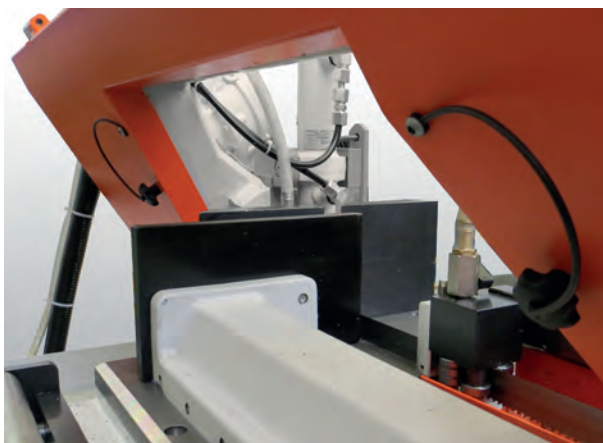
Refitting of existing star grips K0154, K0155 as well as knurled knobs K0260, K0261 and K0247 from our assortment is possible with this safety band.

**Assembly:**

Recommended hole  $\varnothing 3.8_{-0.1}$

The hole edge should be deburred.

A Teflon based lubrication is recommended to aid assembly.

**KIPP Safety band**

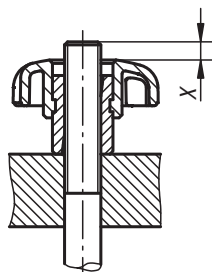
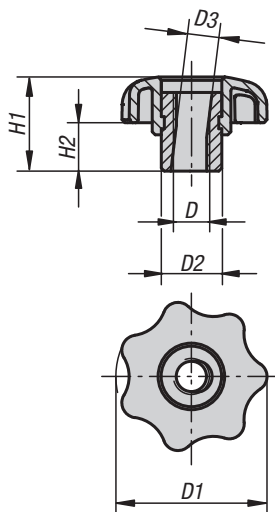
Order No.

Dimensions

K0743.04190

see drawing

## Star grips quick-acting

**Material:**

Black thermoplastic.  
Bush steel.

**Version:**

Bush galvanised and 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:**

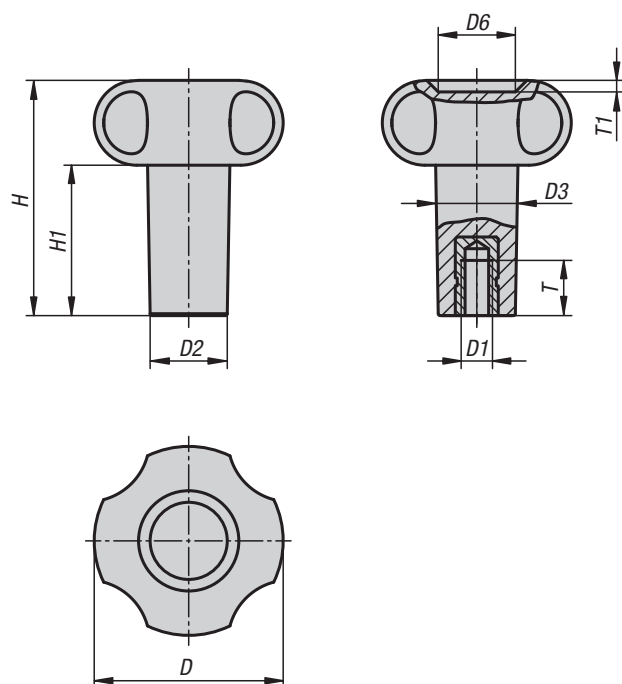
X: The stud should be several mm longer than height "H1"

## KIPP Star grips quick-acting

| Order No. | D   | D1 | D2   | D3   | H1   | 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.

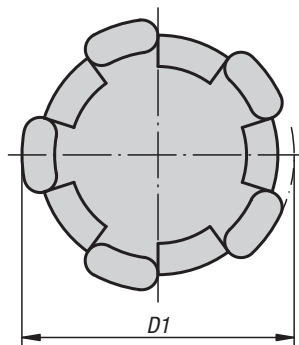
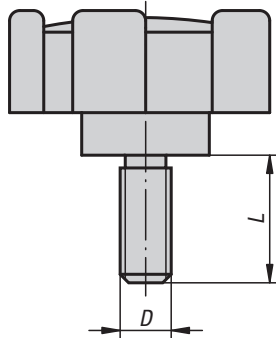
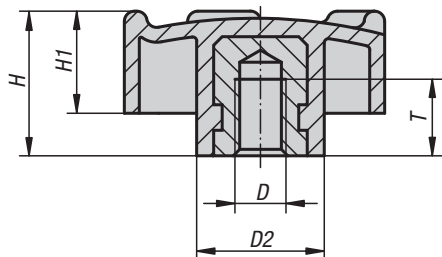
### Sample order:

K1088.2410685

### KIPP Star grips with extended hub

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

## Five lobe grips



**NOVO grip five lobe grips make life easier.**  
The ergonomic "rib-edge configuration" and the perfect proportions open up new sensible benefits.

**Material:**

Grip black grey thermoplastic.

Bush steel.

Threaded pin steel 5.8.

**Version:**

Bush galvanized.

Screw blue passivated.

**Sample order:**

K0276.3206

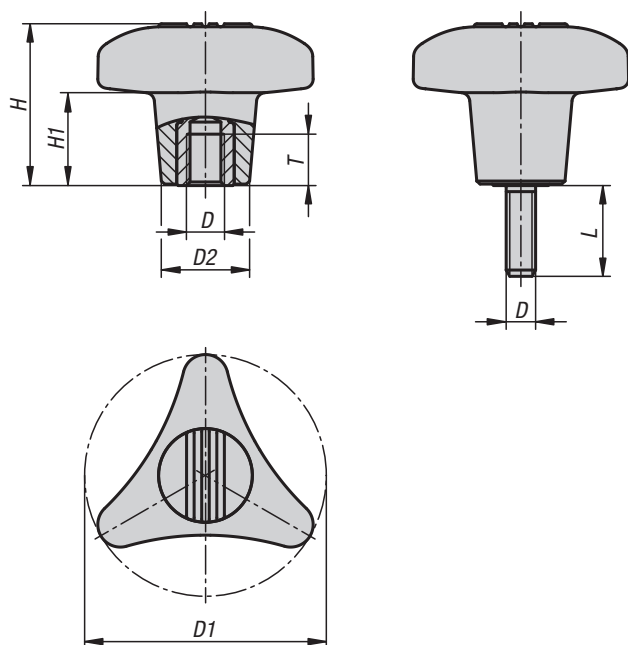
**KIPP Five lobe grips with internal thread**

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

**KIPP Five lobe grips with external thread**

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

## 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.   | D   | D1 | D2   | H    | H1 | T  |
|-------------|-----|----|------|------|----|----|
| K1020.18008 | M8  | 80 | 29,2 | 53,5 | 31 | 17 |
| K1020.18010 | M10 | 80 | 29,2 | 53,5 | 31 | 17 |
| K1020.18012 | M12 | 80 | 29,2 | 53,5 | 31 | 17 |

### KIPP Triangular grips, external thread

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

## Triangular grips

with high collar



### Material:

Black Duroplast PF 31.  
Bush and screw galvanized steel or bright stainless steel.

### Version:

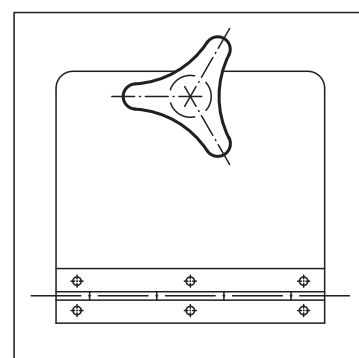
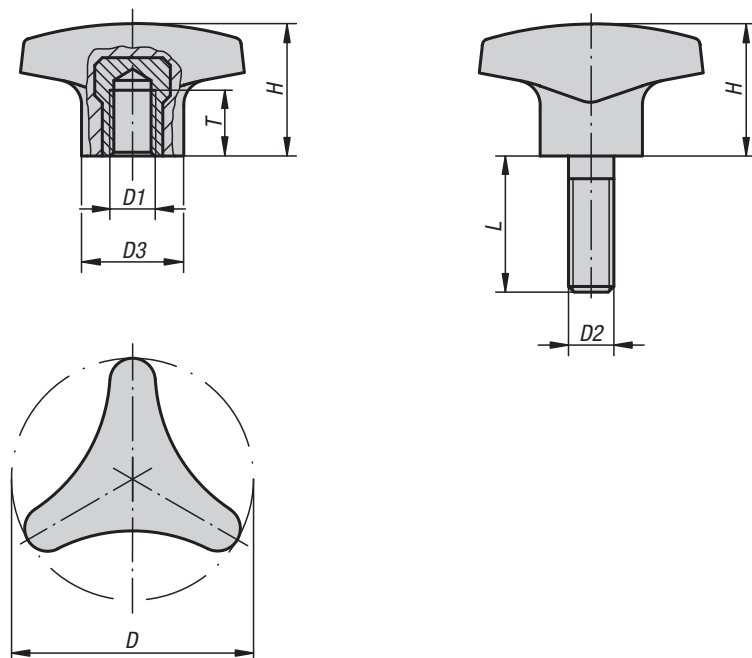
High-gloss polished.

### Sample order:

K0183.14008X20

### On request:

Other screw sizes, screw lengths and colours.



### KIPP Triangular grips with high collar, internal thread

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

### KIPP Triangular grips with high collar, external thread

| Order No.      | Component material | D  | D2  | D3 | H  | L  |
|----------------|--------------------|----|-----|----|----|----|
| K0183.14006X15 | steel              | 40 | M6  | 14 | 22 | 15 |
| K0183.14008X20 | steel              | 40 | M8  | 14 | 22 | 20 |
| K0183.15008X20 | steel              | 50 | M8  | 18 | 28 | 20 |
| K0183.15010X25 | steel              | 50 | M10 | 22 | 28 | 25 |
| K0183.16210X25 | steel              | 62 | M10 | 22 | 35 | 25 |
| K0183.24006X20 | stainless steel    | 40 | M6  | 12 | 22 | 20 |
| K0183.24008X20 | stainless steel    | 40 | M8  | 12 | 22 | 20 |
| K0183.25008X20 | stainless steel    | 50 | M8  | 15 | 28 | 20 |
| K0183.25010X30 | stainless steel    | 50 | M10 | 15 | 28 | 30 |
| K0183.26210X30 | stainless steel    | 62 | M10 | 18 | 35 | 30 |



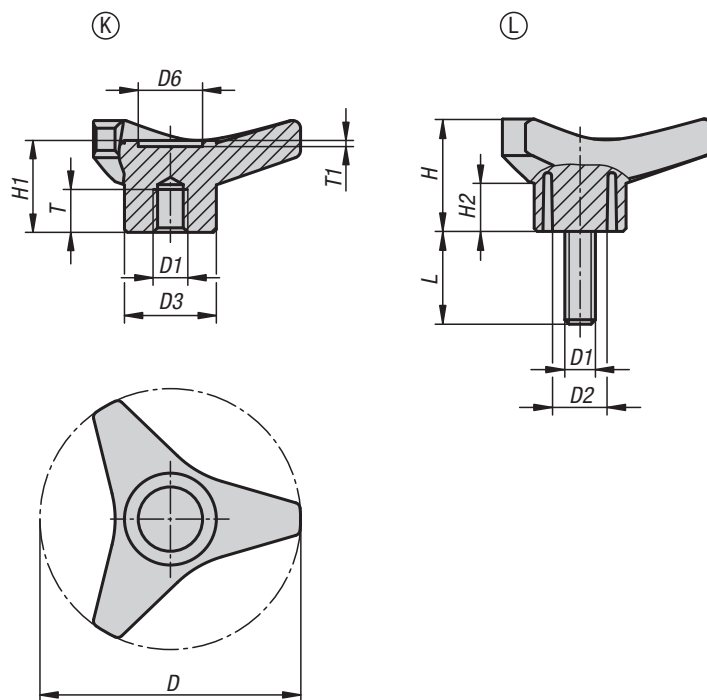
## Triangular grips



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

**Version:**  
Grip, black.  
Screw galvanized.

**Sample order:**  
K1083.48510X20 (include length L)



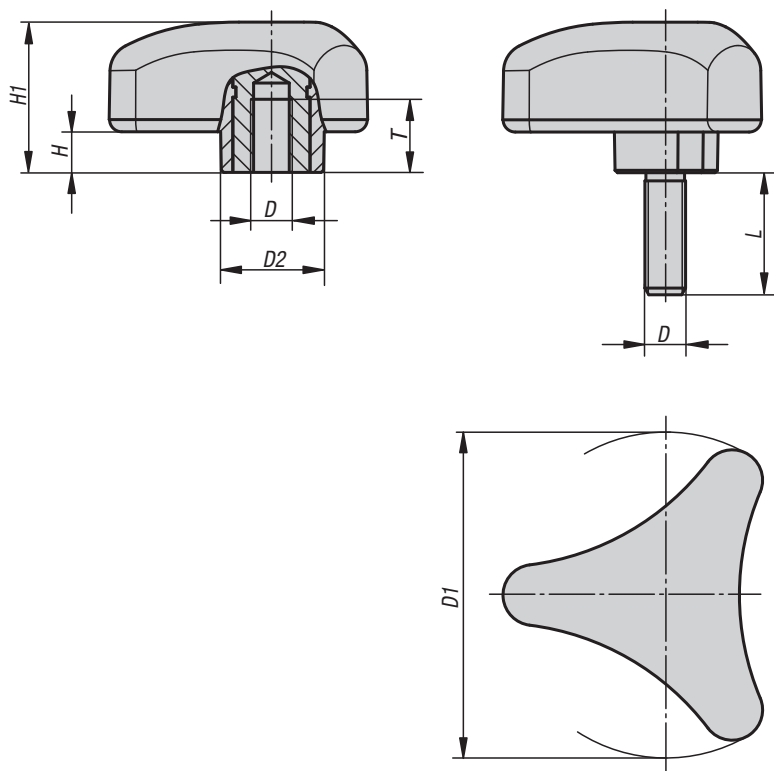
### KIPP Triangular grips with internal thread

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

### KIPP Triangular grips with external thread

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

# 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 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.

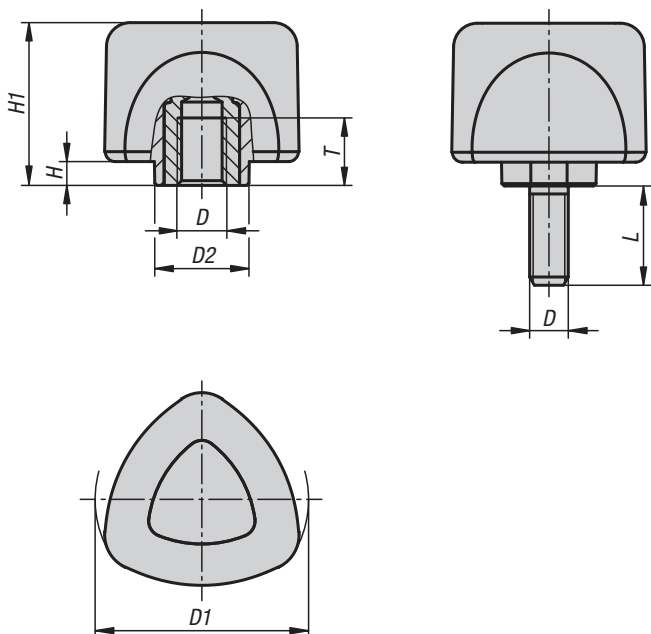
## KIPP Triangular grips ergonomic with internal thread

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

## KIPP Triangular grips ergonomic with external thread

| Order No.    | Version         | D   | D1 | D2 | H  | H1 | L           |
|--------------|-----------------|-----|----|----|----|----|-------------|
| K0785.8008X  | steel           | M8  | 80 | 26 | 10 | 37 | 20/25/30/40 |
| K0785.8010X  | steel           | M10 | 80 | 26 | 10 | 37 | 30/40/50    |
| K0785.8012X  | steel           | M12 | 80 | 26 | 10 | 37 | 30/40/50/60 |
| K0785.08008X | stainless steel | M8  | 80 | 26 | 10 | 37 | 20/25/30/40 |
| K0785.08010X | stainless steel | M10 | 80 | 26 | 10 | 37 | 30/40/50    |
| K0785.08012X | stainless steel | M12 | 80 | 26 | 10 | 37 | 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 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.   | Component material | D   | D1   | D2   | H | H1 | T  |
|-------------|--------------------|-----|------|------|---|----|----|
| K0980.5008  | steel              | M8  | 53,8 | 23,9 | 6 | 41 | 17 |
| K0980.5010  | steel              | M10 | 53,8 | 23,9 | 6 | 41 | 17 |
| K0980.6308  | steel              | M8  | 67,7 | 23,9 | 6 | 36 | 17 |
| K0980.6310  | steel              | M10 | 67,7 | 23,9 | 6 | 36 | 17 |
| K0980.05008 | stainless steel    | M8  | 53,8 | 23,9 | 6 | 41 | 17 |
| K0980.05010 | stainless steel    | M10 | 53,8 | 23,9 | 6 | 41 | 17 |
| K0980.06308 | stainless steel    | M8  | 67,7 | 23,9 | 6 | 36 | 17 |
| K0980.06310 | stainless steel    | M10 | 67,7 | 23,9 | 6 | 36 | 17 |

## KIPP external thread

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

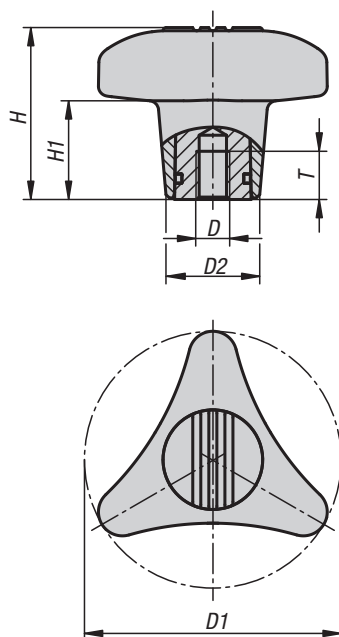
K1019.180105

### 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.

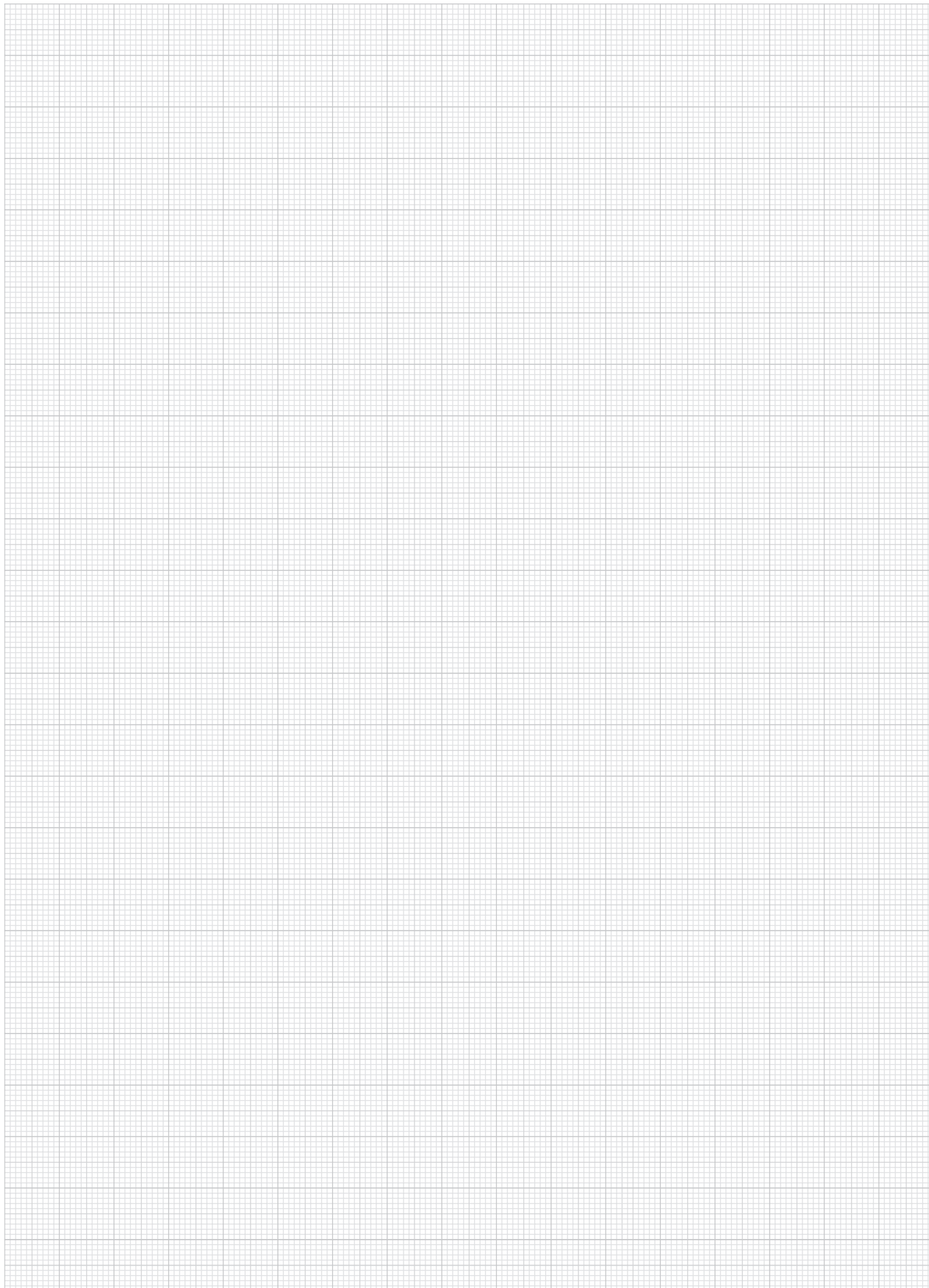
### On request:

Other internal threads, maximum torques and colours.



### KIPP Triangular torque grips

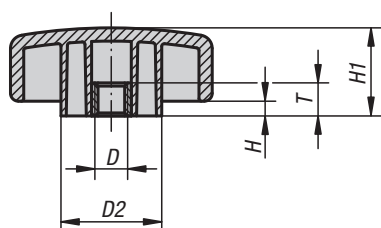
| Order No.    | D   | D1 | D2   | H    | H1 | T  | Max. torque Nm |
|--------------|-----|----|------|------|----|----|----------------|
| K1019.180085 | M8  | 80 | 29,2 | 53,5 | 31 | 13 | 5              |
| K1019.180105 | M10 | 80 | 29,2 | 53,5 | 31 | 13 | 5              |
| K1019.180125 | M12 | 80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



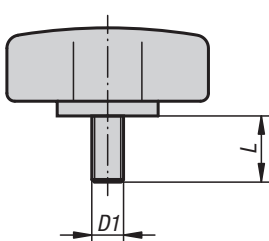
## Four lobe grips flat



(K)



(L)



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 black hard thermoplastic.  
Coating black soft thermoplastic.  
Tapped bush brass.  
Screw galvanized steel grade 5.8.

**Sample order:**

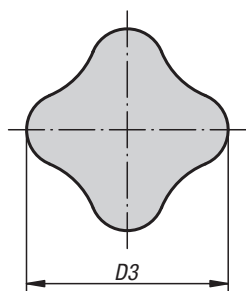
K0278.3506X20 (include length L)

**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   | D2   | D3   | H   | H1   | T    |
|------------|------|-----|------|------|-----|------|------|
| K0278.3505 | K    | M5  | 14,2 | 35,5 | 2,8 | 15,5 | 12,5 |
| K0278.3506 | K    | M6  | 14,2 | 35,5 | 2,8 | 15,5 | 12,5 |
| K0278.4405 | K    | M5  | 17,5 | 44,5 | 3,3 | 19,3 | 12,5 |
| K0278.4406 | K    | M6  | 17,5 | 44,5 | 3,3 | 19,3 | 12,5 |
| K0278.4408 | K    | M8  | 17,5 | 44,5 | 3,3 | 19,3 | 12,5 |
| K0278.4410 | K    | M10 | 17,5 | 44,5 | 3,3 | 19,3 | 12,5 |
| K0278.5005 | K    | M5  | 23,6 | 50,8 | 3,8 | 22,1 | 12,5 |
| K0278.5006 | K    | M6  | 23,6 | 50,8 | 3,8 | 22,1 | 12,5 |
| K0278.5008 | K    | M8  | 23,6 | 50,8 | 3,8 | 22,1 | 12,5 |
| K0278.5010 | K    | M10 | 23,6 | 50,8 | 3,8 | 22,1 | 12,5 |
| K0278.6306 | K    | M6  | 31,7 | 63,5 | 4,6 | 27,7 | 12,5 |
| K0278.6308 | K    | M8  | 31,7 | 63,5 | 4,6 | 27,7 | 12,5 |
| K0278.6310 | K    | M10 | 31,7 | 63,5 | 4,6 | 27,7 | 12,5 |
| K0278.6312 | K    | M12 | 31,7 | 63,5 | 4,6 | 27,7 | 12,5 |
| K0278.7608 | K    | M8  | 38,1 | 76,2 | 5,6 | 33,3 | 12,5 |
| K0278.7610 | K    | M10 | 38,1 | 76,2 | 5,6 | 33,3 | 12,5 |
| K0278.7612 | K    | M12 | 38,1 | 76,2 | 5,6 | 33,3 | 12,5 |

## KIPP Flat four lobe grips, flat, with external thread

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

## Four lobe grips



### Material:

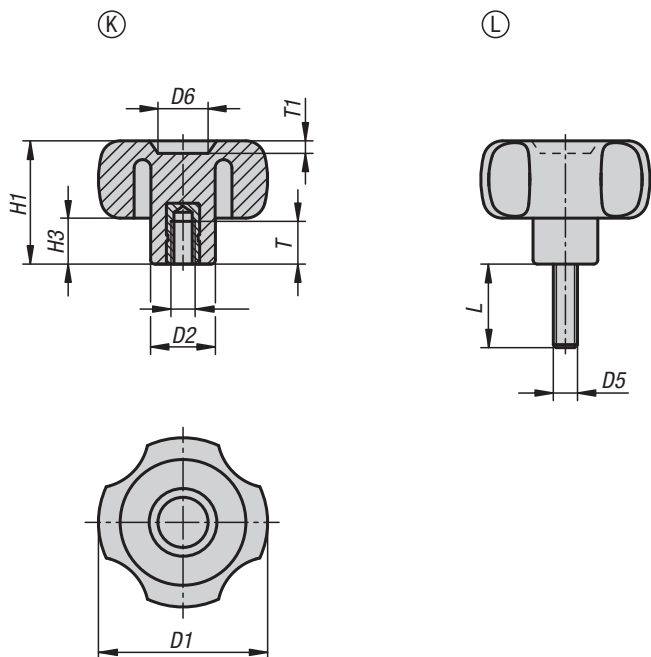
Fibreglass reinforced thermoplastic.  
Tapped bush brass.  
Screw steel.

### Version:

Grip, black.  
Screw galvanized.

### Sample order:

K1093.43006X20 (include length L)



### KIPP Four lobe grips with internal thread

| Order No.   | Form | D1   | D2   | D5  | D6   | H1   | H3  | T1  | T  |
|-------------|------|------|------|-----|------|------|-----|-----|----|
| K1093.23006 | K    | 30   | 15   | M6  | 12   | 23   | 9,5 | 2   | 10 |
| K1093.24006 | K    | 40,5 | 15,5 | M6  | 12   | 29,5 | 11  | 3   | 10 |
| K1093.24008 | K    | 40,5 | 15   | M8  | 12   | 27,5 | 11  | 3   | 14 |
| K1093.25208 | K    | 52   | 20,5 | M8  | 14,5 | 32,5 | 11  | 2,5 | 14 |
| K1093.25210 | K    | 52   | 20,5 | M10 | 14,5 | 32,5 | 11  | 2,5 | 13 |
| K1093.26010 | K    | 59   | 23   | M10 | 24   | 40   | 15  | 4   | 14 |
| K1093.26012 | K    | 59   | 23   | M12 | 24   | 40   | 15  | 4   | 18 |

### KIPP Four lobe grips with external thread

| Order No.    | Form | D1   | D2   | D5  | D6   | H1   | H3  | T1  | L              |
|--------------|------|------|------|-----|------|------|-----|-----|----------------|
| K1093.43006X | L    | 30   | 15   | M6  | 12   | 23   | 9,5 | 2   | 16/20/30/40/50 |
| K1093.44006X | L    | 40,5 | 15,5 | M6  | 12   | 29,5 | 11  | 3   | 16/20          |
| K1093.44008X | L    | 40,5 | 15   | M8  | 12   | 29,5 | 11  | 3   | 20/30/40       |
| K1093.45208X | L    | 52   | 20,5 | M8  | 14,5 | 32,5 | 11  | 2,5 | 16/20/30/40/50 |
| K1093.46010X | L    | 59   | 23   | M10 | 24   | 40   | 15  | 4   | 20/30/40/50    |
| K1093.46012X | L    | 59   | 23   | M12 | 24   | 40   | 15  | 4   | 50             |
| K1093.48010X | L    | 79   | 30   | M10 | 21   | 41   | 17  | 3   | 30/50          |
| K1093.48012X | L    | 79   | 30   | M12 | 21   | 41   | 17  | 3   | 50             |



## Five lobe grips



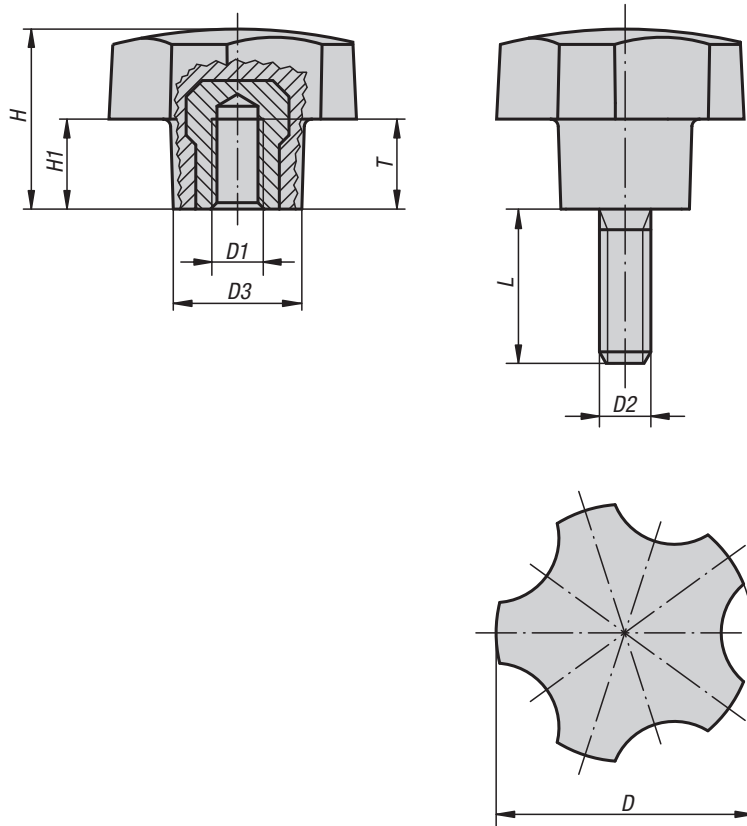
**Material:**  
Duroplast PF 31, black.  
Bush and stud galvanized steel.

**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.  | D  | D1  | D3 | H    | H1   | T  |
|------------|----|-----|----|------|------|----|
| K0185.3205 | 32 | M5  | 16 | 22,4 | 11,2 | 10 |
| K0185.3206 | 32 | M6  | 16 | 22,4 | 11,2 | 9  |
| K0185.4006 | 40 | M6  | 20 | 28   | 14   | 12 |
| K0185.4008 | 40 | M8  | 20 | 28   | 14   | 14 |
| K0185.4010 | 40 | M10 | 20 | 28   | 14   | 14 |
| K0185.5008 | 50 | M8  | 25 | 35   | 17,5 | 14 |
| K0185.5010 | 50 | M10 | 25 | 35   | 17,5 | 14 |

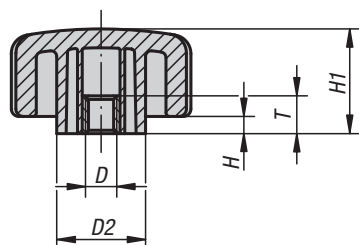
## KIPP Five lobe grips with external thread

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

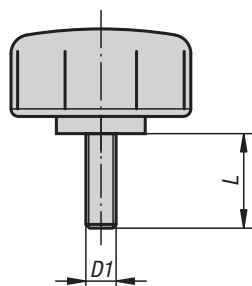
## Five lobe grips



(K)



(L)



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 galvanized 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.

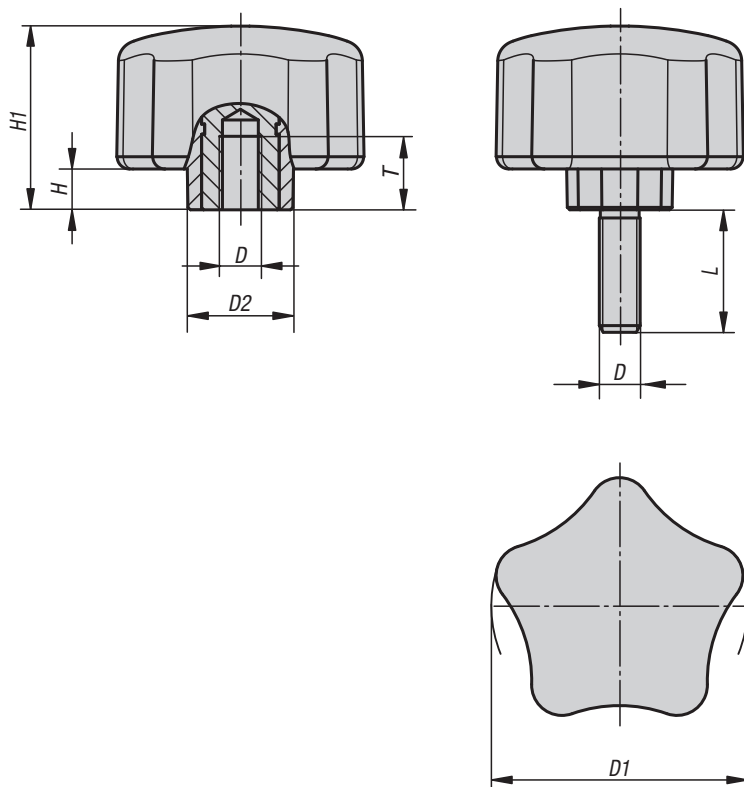
### KIPP Five lobe grips with internal thread

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

### KIPP Five lobe grips with external thread

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

## 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 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.

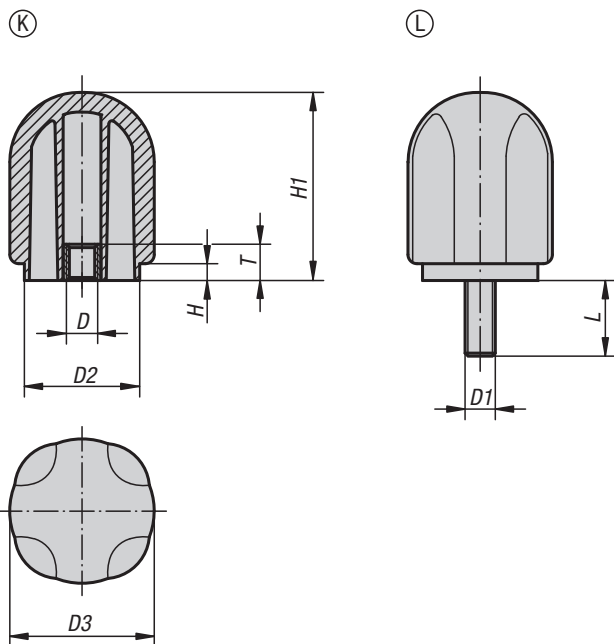
**KIPP Five lobe grips ergonomic with internal thread**

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

**KIPP Five lobe grips ergonomic with external thread**

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

## 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 galvanized 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.

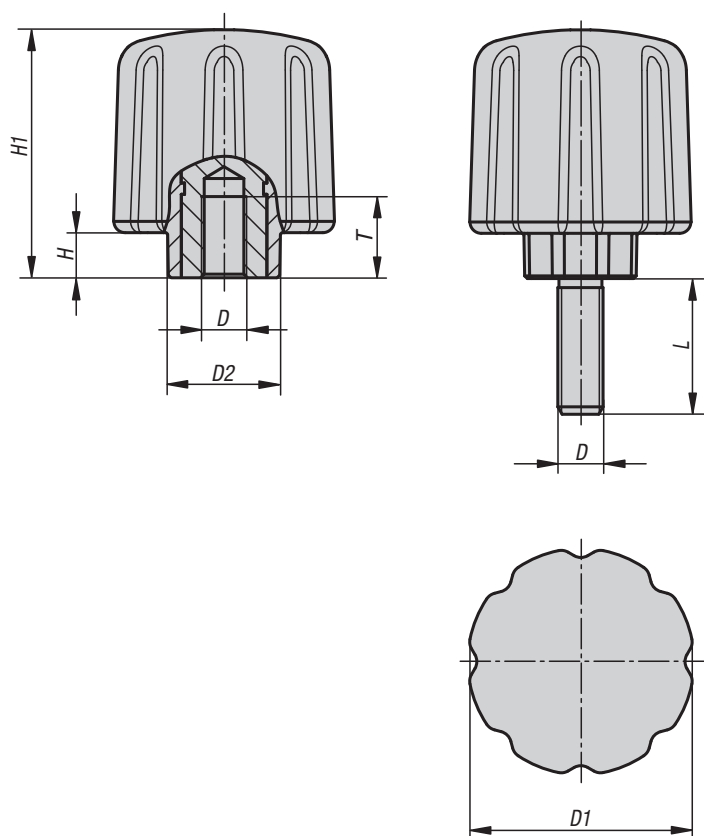
### KIPP Clamping grips high form with internal thread

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

### KIPP Clamping grips high form with external thread

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

## 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 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.   | Version         | D   | D1 | D2 | H  | H1 | T  |
|-------------|-----------------|-----|----|----|----|----|----|
| K0779.5006  | Steel           | M6  | 50 | 26 | 10 | 55 | 17 |
| K0779.5008  | Steel           | M8  | 50 | 26 | 10 | 55 | 17 |
| K0779.5010  | Steel           | M10 | 50 | 26 | 10 | 55 | 17 |
| K0779.05006 | Stainless steel | M6  | 50 | 26 | 10 | 55 | 17 |
| K0779.05008 | Stainless steel | M8  | 50 | 26 | 10 | 55 | 17 |
| K0779.05010 | Stainless steel | M10 | 50 | 26 | 10 | 55 | 17 |

**KIPP Clamping grips ergonomic with external thread**

| Order No.    | Version         | D   | D1 | D2 | H  | H1 | L           |
|--------------|-----------------|-----|----|----|----|----|-------------|
| K0779.5006X  | Steel           | M6  | 50 | 26 | 10 | 55 | 15/20/25/30 |
| K0779.5008X  | Steel           | M8  | 50 | 26 | 10 | 55 | 20/25/30/40 |
| K0779.5010X  | Steel           | M10 | 50 | 26 | 10 | 55 | 30/40/50    |
| K0779.05006X | Stainless steel | M6  | 50 | 26 | 10 | 55 | 15/20/25/30 |
| K0779.05008X | Stainless steel | M8  | 50 | 26 | 10 | 55 | 20/25/30/40 |
| K0779.05010X | Stainless steel | M10 | 50 | 26 | 10 | 55 | 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 galvanized steel grade 5.8.

**Sample order:**

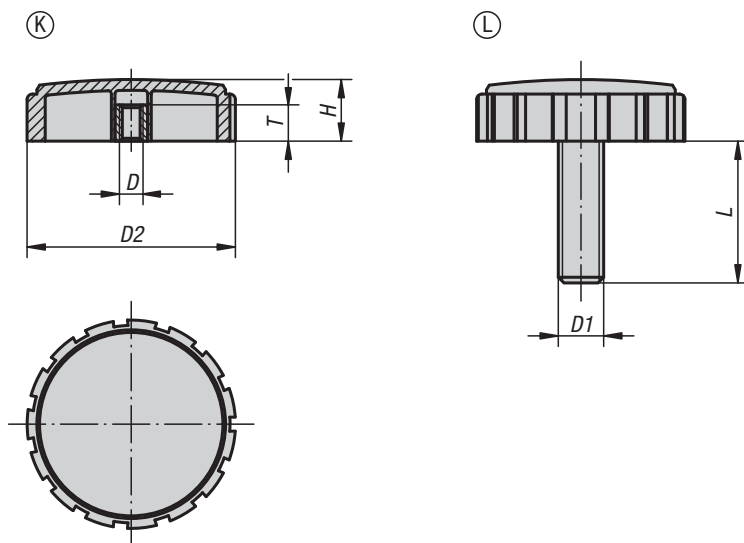
K0281.5706X20 (include length L)

**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.

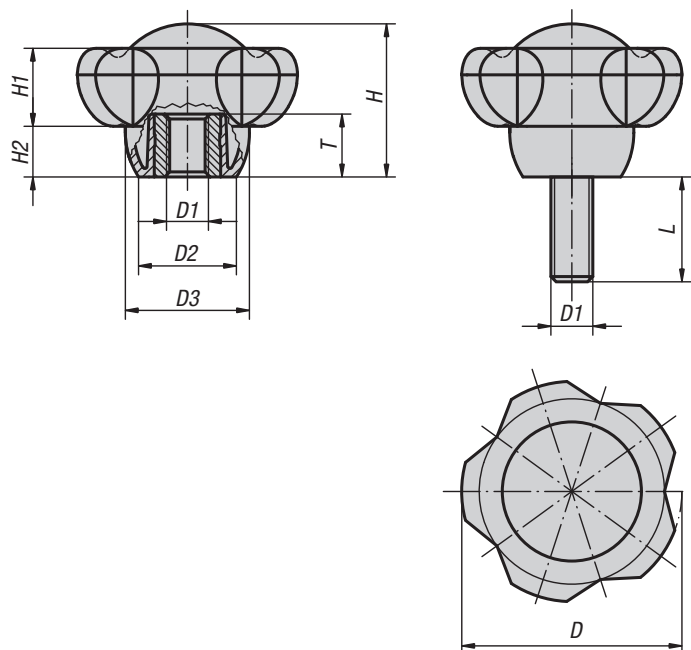
**KIPP Knurled screw with internal thread**

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

**KIPP Knurled screw with external thread**

| Order No.   | Form | D1  | D2   | 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:**

Thermoplastic, black grey.

Bush and screw steel 5.8 or stainless steel 1.4305.

**Version:**

Blue passivated steel or bright stainless steel.

**Sample order:**

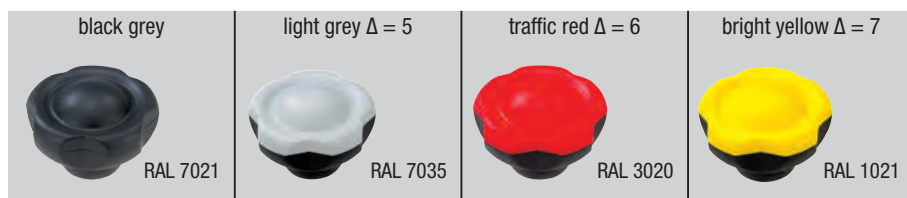
K0255.50106X30

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

**KIPP Five lobe grips with external thread**

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

# 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, viruses 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:

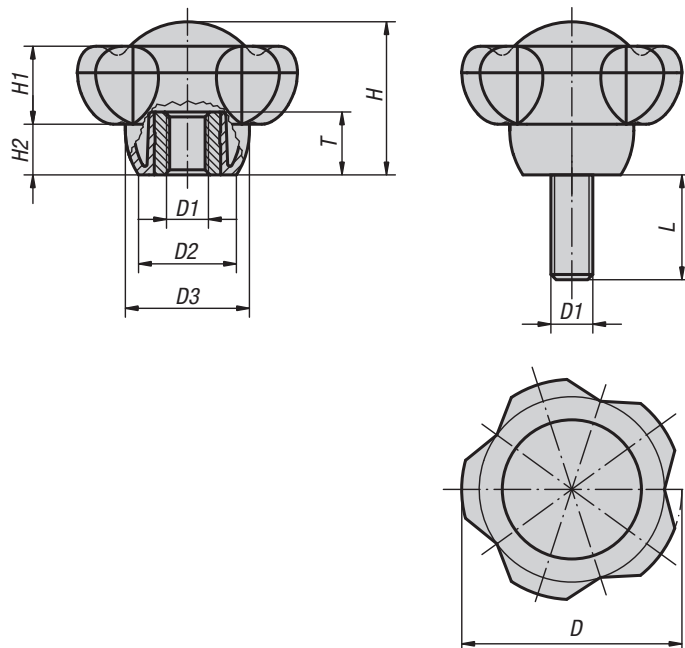
Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection while touching 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.        | D  | D1  | D2 | D3   | H  | H1   | H2   | T  |
|------------------|----|-----|----|------|----|------|------|----|
| K0255.1263101144 | 63 | M10 | 28 | 35,5 | 44 | 22,5 | 14,5 | 14 |

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

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

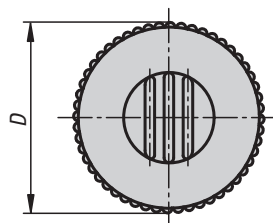
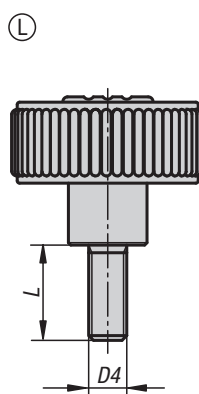
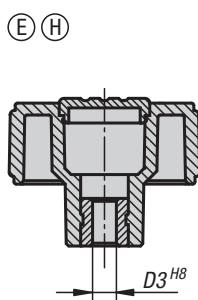
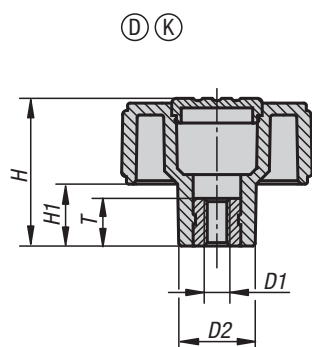




A large grid of graph paper for taking notes.



## 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:

Thermoplastic, black grey.  
Bush or screw steel 5.8.

### Version:

Steel blue passivated.

### Sample order:

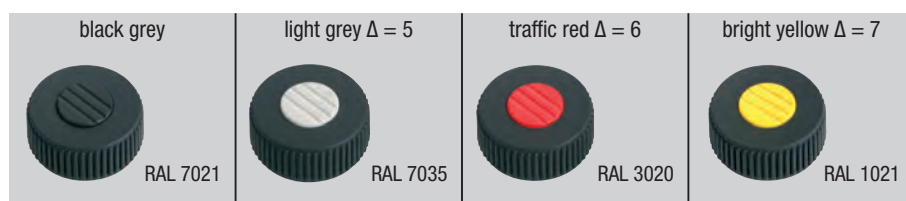
K0260.41067  
(cap colour bright yellow.)

### 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 | Size | D  | D1  | D2   | H  | H1 | T  |
|------------|------|------|----|-----|------|----|----|----|
| K0260.1105 | D    | 1    | 40 | M5  | 16,5 | 30 | 13 | 10 |
| K0260.1106 | D    | 1    | 40 | M6  | 16,5 | 30 | 13 | 10 |
| K0260.1108 | D    | 1    | 40 | M8  | 16,5 | 30 | 13 | 14 |
| K0260.1208 | D    | 2    | 50 | M8  | 18   | 35 | 15 | 14 |
| K0260.1210 | D    | 2    | 50 | M10 | 18   | 35 | 15 | 14 |
| K0260.1310 | D    | 3    | 63 | M10 | 22   | 40 | 17 | 14 |
| K0260.1312 | D    | 3    | 63 | M12 | 22   | 40 | 17 | 18 |



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

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

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

| Order No.  | Form | Size | D  | D2   | D3 | H  | H1 | T  |
|------------|------|------|----|------|----|----|----|----|
| K0260.3106 | E    | 1    | 40 | 16,5 | 6  | 30 | 13 | 10 |
| K0260.3208 | E    | 2    | 50 | 18   | 8  | 35 | 15 | 14 |
| K0260.3310 | E    | 3    | 63 | 22   | 10 | 40 | 17 | 14 |

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

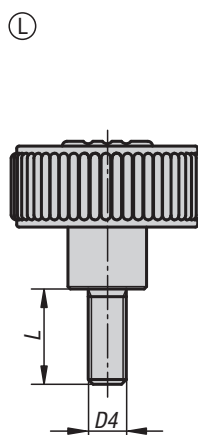
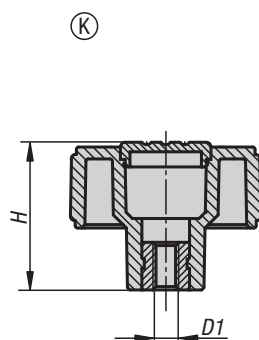
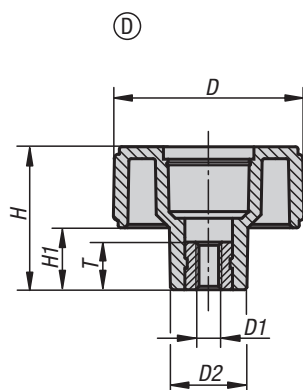
| Order No.   | Form | Size | D  | D2   | D3 | H  | H1 | T  |
|-------------|------|------|----|------|----|----|----|----|
| K0260.4106Δ | H    | 1    | 40 | 16,5 | 6  | 31 | 13 | 10 |
| K0260.4208Δ | H    | 2    | 50 | 18   | 8  | 36 | 15 | 14 |
| K0260.4310Δ | H    | 3    | 63 | 22   | 10 | 41 | 17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

## KIPP Knurled knobs Form L, with external thread

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

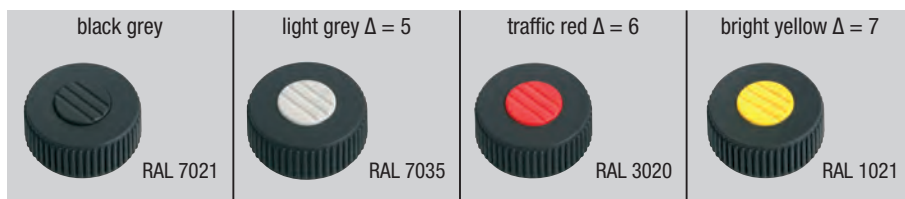
K0261.51056X10  
(cap colour traffic red; include length L.)

### 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 | Size | D  | D1  | D2   | H  | H1 | T  |
|------------|------|------|----|-----|------|----|----|----|
| K0261.1105 | D    | 1    | 40 | M5  | 16,5 | 30 | 13 | 10 |
| K0261.1106 | D    | 1    | 40 | M6  | 16,5 | 30 | 13 | 10 |
| K0261.1108 | D    | 1    | 40 | M8  | 16,5 | 30 | 13 | 14 |
| K0261.1208 | D    | 2    | 50 | M8  | 18   | 35 | 15 | 14 |
| K0261.1210 | D    | 2    | 50 | M10 | 18   | 35 | 15 | 14 |
| K0261.1310 | D    | 3    | 63 | M10 | 22   | 40 | 17 | 14 |
| K0261.1312 | D    | 3    | 63 | M12 | 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 | Size | D  | D1  | D2   | H  | H1 | T  |
|-------------|------|------|----|-----|------|----|----|----|
| K0261.2105Δ | K    | 1    | 40 | M5  | 16,5 | 31 | 13 | 10 |
| K0261.2106Δ | K    | 1    | 40 | M6  | 16,5 | 31 | 13 | 10 |
| K0261.2108Δ | K    | 1    | 40 | M8  | 16,5 | 31 | 13 | 14 |
| K0261.2208Δ | K    | 2    | 50 | M8  | 18   | 36 | 15 | 14 |
| K0261.2210Δ | K    | 2    | 50 | M10 | 18   | 36 | 15 | 14 |
| K0261.2310Δ | K    | 3    | 63 | M10 | 22   | 41 | 17 | 14 |
| K0261.2312Δ | K    | 3    | 63 | M12 | 22   | 41 | 17 | 18 |

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

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

# Mushroom knobs

internal thread


**Material:**

Steel, stainless steel and aluminium.

**Version:**

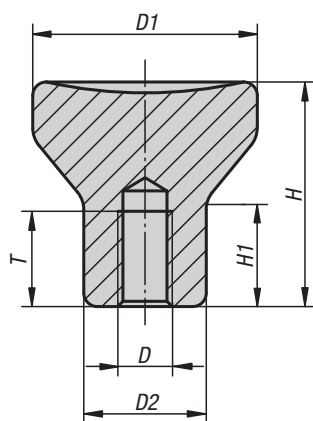
Steel galvanized and blue passivated.  
Stainless steel electropolished or blasted.  
Aluminium natural tone anodized.

**Sample order:**

K0250.104

**On request:**

With external threads.



## KIPP Mushroom knobs with internal thread

| Order No.  | Main material   | Version                     | D   | D1 | D2 | H  | H1   | T    |
|------------|-----------------|-----------------------------|-----|----|----|----|------|------|
| K0250.0902 | steel           | galvanized and blue chromed | M2  | 14 | 8  | 14 | 6,7  | 4    |
| K0250.0003 | steel           | galvanized and blue chromed | M3  | 18 | 10 | 18 | 8,6  | 7,5  |
| K0250.0104 | steel           | galvanized and blue chromed | M4  | 21 | 12 | 21 | 10   | 10   |
| K0250.0105 | steel           | galvanized and blue chromed | M5  | 21 | 12 | 21 | 10   | 12,5 |
| K0250.0206 | steel           | galvanized and blue chromed | M6  | 25 | 14 | 25 | 12   | 12   |
| K0250.0308 | steel           | galvanized and blue chromed | M8  | 33 | 18 | 33 | 16   | 16   |
| K0250.0410 | steel           | galvanized and blue chromed | 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       | natural colour anodized     | M2  | 14 | 8  | 14 | 6,7  | 4    |
| K0250.1003 | aluminium       | natural colour anodized     | M3  | 18 | 10 | 18 | 8,6  | 7,5  |
| K0250.1104 | aluminium       | natural colour anodized     | M4  | 21 | 12 | 21 | 10   | 10   |
| K0250.1105 | aluminium       | natural colour anodized     | M5  | 21 | 12 | 21 | 10   | 12,5 |
| K0250.1206 | aluminium       | natural colour anodized     | M6  | 25 | 14 | 25 | 12   | 12   |
| K0250.1308 | aluminium       | natural colour anodized     | M8  | 33 | 18 | 33 | 16   | 16   |
| K0250.1410 | aluminium       | natural colour anodized     | 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   |

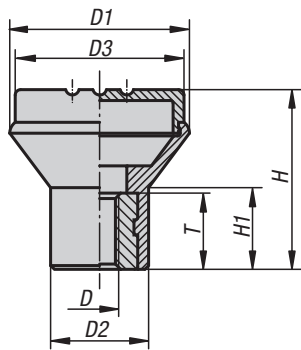


A large rectangular area filled with a light gray grid pattern, intended for taking notes.



# 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:**

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

**Version:**

Blue passivated steel or bright stainless steel.

**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                                                                            |

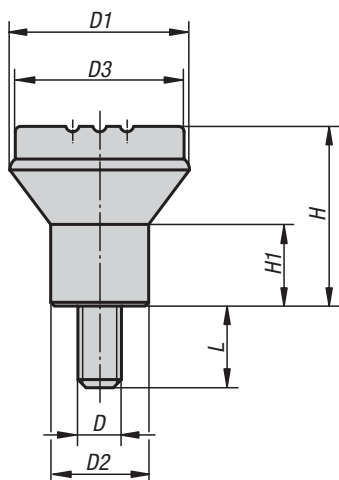
## KIPP Mushroom knobs with internal thread

| Order No.<br>Steel | Order No.<br>Stainless steel | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|--------------------|------------------------------|------|----|----|----|----|----|----|----|
| K0251.04Δ          | K0251.004Δ                   | 1    | M4 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.05Δ          | K0251.005Δ                   | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.06Δ          | K0251.006Δ                   | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.08Δ          | K0251.008Δ                   | 3    | 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:**

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

**Version:**

Blue passivated steel or  
bright stainless steel.

**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.<br>Steel | Order No.<br>Stainless steel | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|--------------------|------------------------------|------|----|----|----|----|----|----|----|
| K0251.04ΔX10       | K0251.004ΔX10                | 1    | M4 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.05ΔX10       | K0251.005ΔX10                | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.06ΔX15       | K0251.006ΔX15                | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.08ΔX15       | K0251.008ΔX15                | 3    | M8 | 33 | 19 | 31 | 33 | 15 | 15 |

# Mushroom knobs biopolymer

internal thread



## Material:

Biopolymer, beech.

Bush steel 5.8

## Version:

Bush galvanized and 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 forests in Germany.

PEFC certified (guarantees that wood products originate from sustainably managed forests).

## Features:

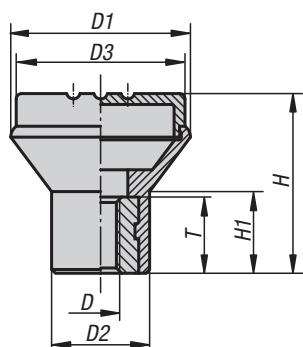
Excellent mechanical stability (certified with a minimum of 2x safety factor).

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.

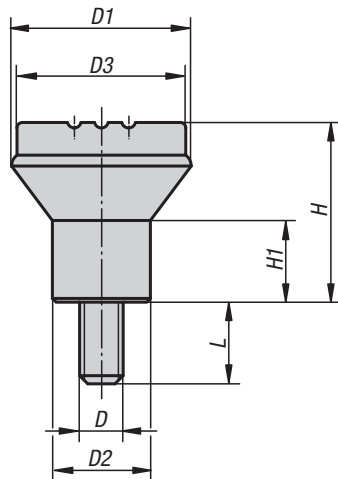


## KIPP Mushroom knobs biopolymer with internal thread

| Order No.     | Main colour         | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|---------------|---------------------|------|----|----|----|----|----|----|----|
| K0251.1005143 | natural beech       | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.1006143 | natural beech       | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.1008143 | natural beech       | 3    | M8 | 33 | 19 | 33 | 33 | 15 | 14 |
| K0251.100590  | black grey RAL 7021 | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.100690  | black grey RAL 7021 | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 10 |
| K0251.100890  | black grey RAL 7021 | 3    | M8 | 33 | 19 | 33 | 33 | 15 | 14 |

# Mushroom knobs biopolymer

external thread



## Material:

Biopolymer, beech.  
Threaded pin steel 5.8.

## Version:

Screw galvanized and 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 forests in Germany.  
PEFC certified (guarantees that wood products originate from sustainably managed forests).

## Features:

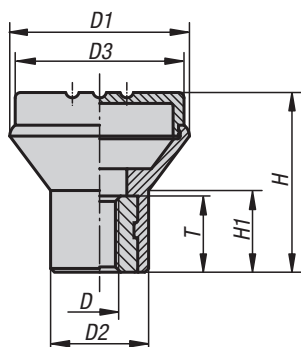
Excellent mechanical stability (certified with a minimum of 2x safety factor).  
Biopolymer is suitable for recycling (comparable to thermoplastics).  
Suitable for outdoor use (not biodegradable).  
Excellent resistance to strong acids and lyes.  
Short-term resistance to alcohol, fuel, mineral oil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

## KIPP Mushroom knobs biopolymer with external thread

| Order No.        | Main colour         | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|------------------|---------------------|------|----|----|----|----|----|----|----|
| K0251.1005143X10 | natural beech       | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.1006143X15 | natural beech       | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.1008143X15 | natural beech       | 3    | M8 | 33 | 19 | 33 | 33 | 15 | 15 |
| K0251.100590X10  | black grey RAL 7021 | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |
| K0251.100690X15  | black grey RAL 7021 | 2    | M6 | 25 | 14 | 23 | 25 | 12 | 15 |
| K0251.100890X15  | black grey RAL 7021 | 3    | 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, viruses 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:

Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory).

During cleaning cycles the risk of infection while 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 | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|----------------|--------------------|------|----|----|----|----|----|----|----|
| K0251.12005144 | Stainless steel    | 1    | 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, viruses 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:

Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory).

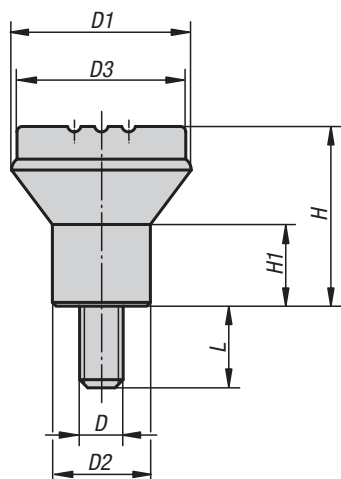
During cleaning cycles the risk of infection while touching these products is significantly lower.

## 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 | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|-------------------|--------------------|------|----|----|----|----|----|----|----|
| K0251.12005144X10 | Stainless steel    | 1    | 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.

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.

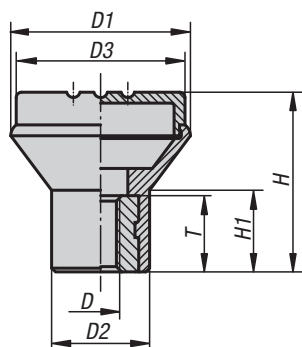
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

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.

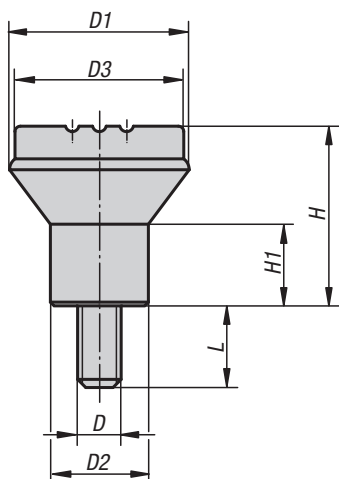


## KIPP Mushroom knobs antistatic internal thread

| Order No.    | Main colour             | Size | D  | D1 | D2 | D3 | H  | H1 | T  |
|--------------|-------------------------|------|----|----|----|----|----|----|----|
| K0251.110524 | graphite black RAL 9011 | 1    | 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.

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 Mushroom knobs antistatic external thread

| Order No.       | Main colour             | Size | D  | D1 | D2 | D3 | H  | H1 | L  |
|-----------------|-------------------------|------|----|----|----|----|----|----|----|
| K0251.110524X10 | graphite black RAL 9011 | 1    | M5 | 21 | 12 | 19 | 21 | 10 | 10 |

# Wing grips

internal thread, stainless steel


**Material:**

Stainless steel 1.4308.

**Version:**

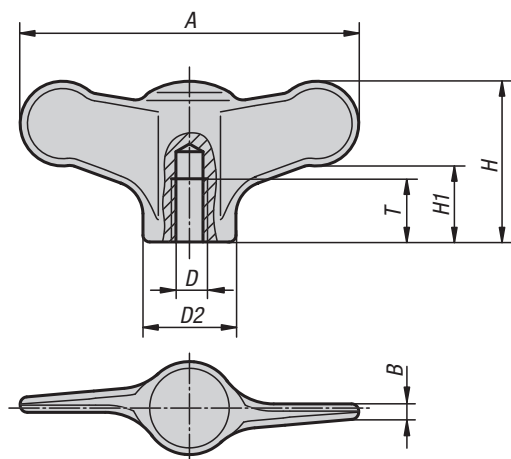
Blasted or ground and polished.

**Sample order:**

K0273.105

**On request:**

With external threads.

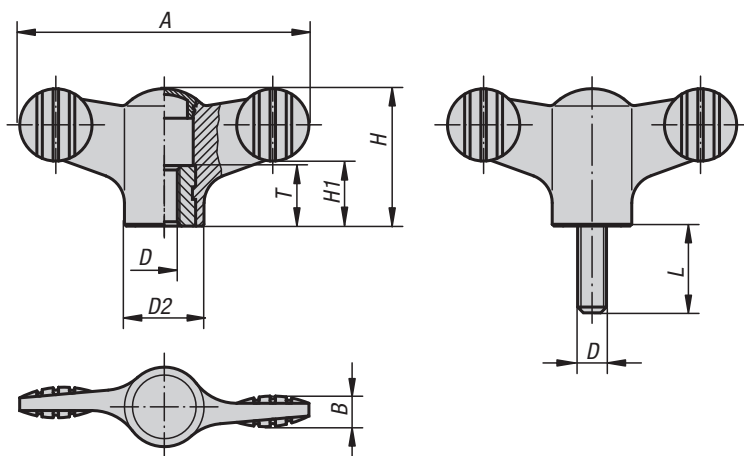


## KIPP Wing grips with internal thread, stainless steel

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



## Wing grips



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

**Material:**

Grip black grey thermoplastic.

Bush and screw steel 5.8 or stainless steel 1.4305.

**Version:**

Bush or screw blue passivated 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

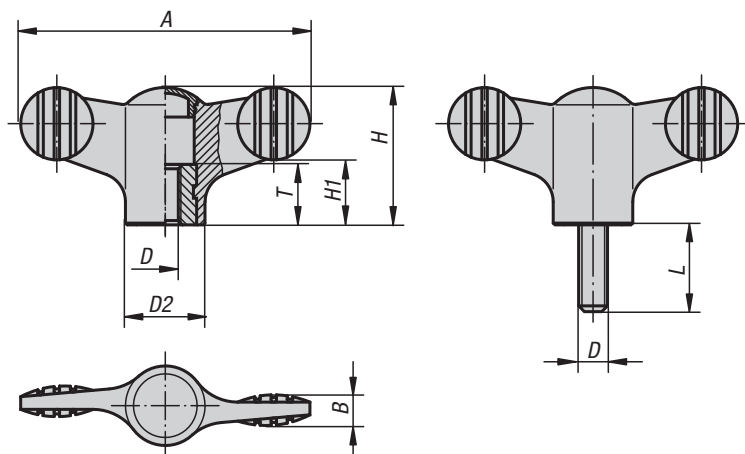
| Order No.<br>Steel | Order No.<br>Stainless steel | D   | D2 | A  | B   | H    | H1   | T  |
|--------------------|------------------------------|-----|----|----|-----|------|------|----|
| K0274.904Δ         | K0274.0904Δ                  | M4  | 12 | 38 | 4,5 | 18   | 8,5  | 10 |
| K0274.905Δ   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

## KIPP Wing grips with external thread

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

# Wing grips 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, viruses 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:

Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory).

During cleaning cycles the risk of infection while 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.       | Component material | D  | A  | B | D2 | H  | H1   | T  |
|-----------------|--------------------|----|----|---|----|----|------|----|
| K0274.120106144 | Stainless steel    | M6 | 50 | 5 | 14 | 24 | 11,5 | 10 |

## KIPP Wing grips antibacterial external thread, metal parts stainless steel

| Order No.          | Component material | D  | A  | B | D2 | H  | H1   | L  |
|--------------------|--------------------|----|----|---|----|----|------|----|
| K0274.120106144X20 | Stainless steel    | 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.

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.

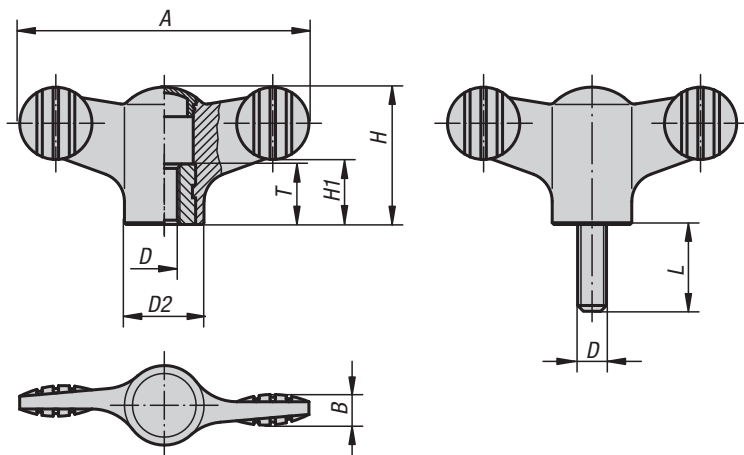
Manufacturers and operators must use and conform to ATEX directives for the protection of persons working in areas with high risk of explosion.

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 Wing grips antistatic with internal thread

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

## KIPP Wing grips antistatic with external thread

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

# Wing grips

tapped through



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

## Material:

Grip black.

Bush steel 5.8 or stainless steel 1.4305.

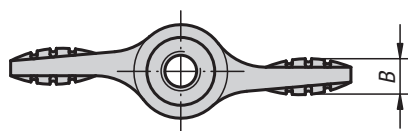
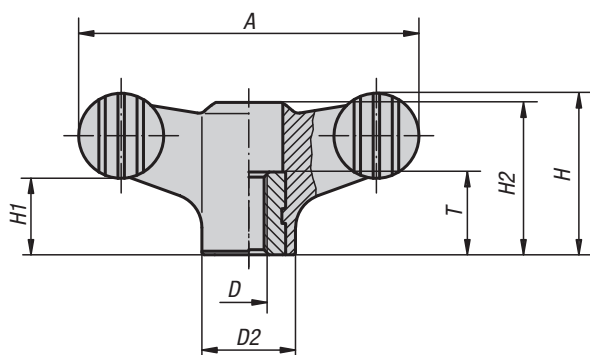
## Version:

Grip black grey.

Bush blue passivated steel or bright stainless steel.

## Sample order:

K0274.1904



## KIPP Wing grips with tapped through bush

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

## Wing grips



## Material:

Grip polyamide, glass bead reinforced.

Bush brass or steel.

Screw steel.

## Version:

Steel galvanized.

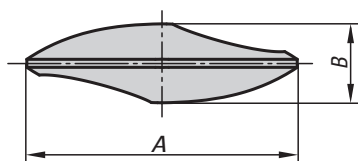
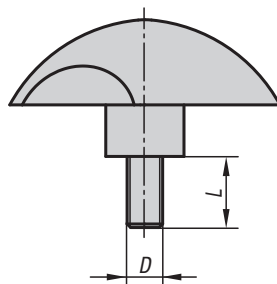
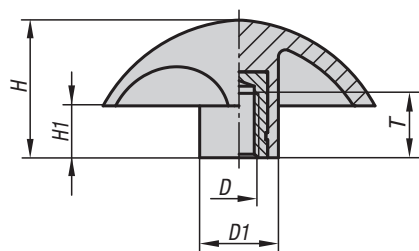
Sample order:

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.   | Component material | D   | D1 | A    | B  | H    | H1   | T  |
|-------------|--------------------|-----|----|------|----|------|------|----|
| K0783.15006 | Brass              | M6  | 15 | 51   | 15 | 25,5 | 9,5  | 9  |
| K0783.16008 | Steel              | M8  | 18 | 61,5 | 18 | 31   | 11,5 | 14 |
| K0783.17510 | Steel              | M10 | 22 | 76   | 22 | 38,5 | 14,5 | 14 |

## KIPP Wing grips with external thread

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

## Wing grips one-sided



### Material:

Thermoplastic.  
Bush steel 5.8 or stainless steel 1.4305.

### Version:

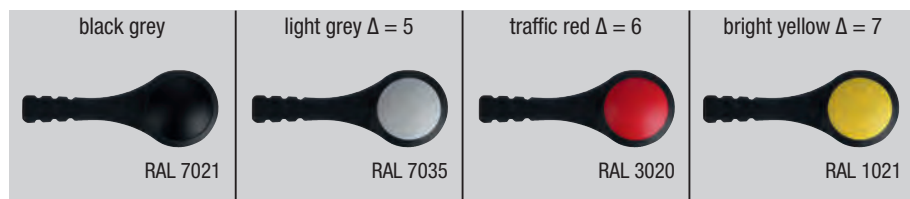
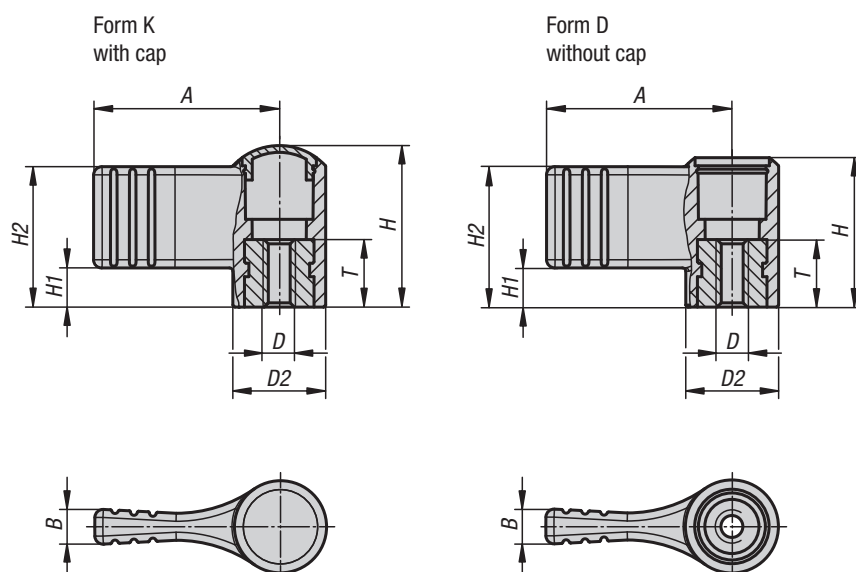
Black grey. Bush blue passivated or bright stainless steel.

### 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.



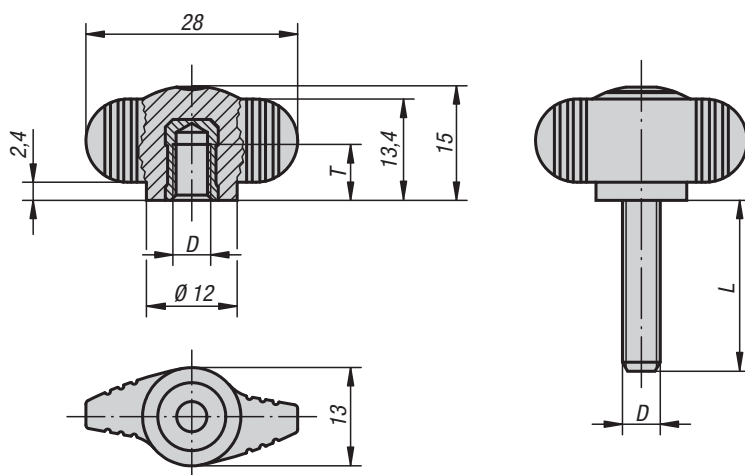
### KIPP Wing grips, one-sided with cap

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

### KIPP Wing grips, one-sided without cap

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

## 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 blue passivated.

Stainless steel, bright.

**Sample order:**

K0274.005X10 (include length L)

## KIPP Wing grips "Miniwing" with internal thread

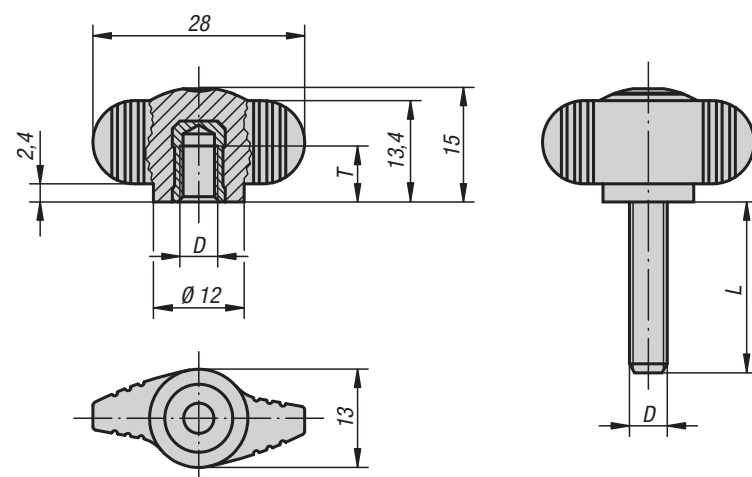
| Order No.  | Component material | D  | T   |
|------------|--------------------|----|-----|
| K0274.004  | Brass              | M4 | 6   |
| K0274.005  | Brass              | M5 | 7,5 |
| K0274.006  | Brass              | M6 | 9   |
| K0274.0004 | Stainless steel    | M4 | 6   |
| K0274.0005 | Stainless steel    | M5 | 7,5 |
| K0274.0006 | Stainless steel    | M6 | 9   |

## KIPP Wing grips "Miniwing" with external thread

| Order No.   | Component material | D  | L              |
|-------------|--------------------|----|----------------|
| K0274.004X  | Steel              | M4 | 8              |
| K0274.005X  | Steel              | M5 | 10/15/20       |
| K0274.006X  | Steel              | M6 | 10/15/20/25/30 |
| K0274.008X  | Steel              | M8 | 20/25/30/40    |
| K0274.0004X | Stainless steel    | M4 | 8              |
| K0274.0005X | Stainless steel    | M5 | 10/15/20       |
| K0274.0006X | Stainless steel    | M6 | 10/15/20/25/30 |
| K0274.0008X | Stainless steel    | M8 | 20/25/30/40    |

# 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, viruses 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:

Silver ions are effective in preventing harmful microorganisms from forming on the product surface, promoting a constant reduction of the existing germs on the MEDI grip products (as tested and confirmed by an accredited testing laboratory). During cleaning cycles the risk of infection while 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

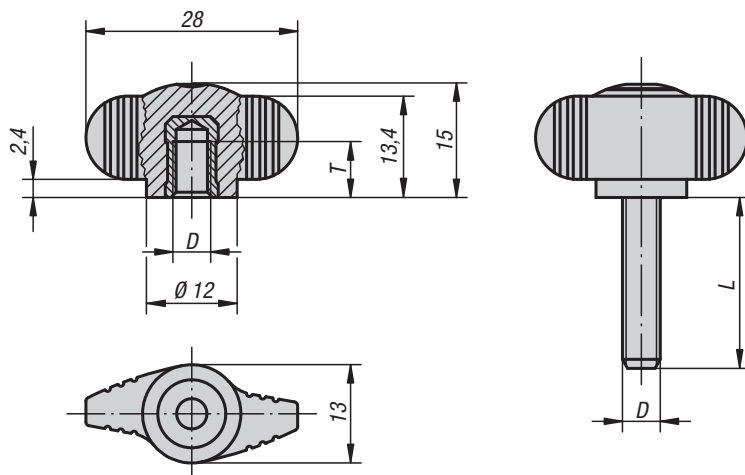
| Order No.       | Component material | D  | T |
|-----------------|--------------------|----|---|
| K0274.120006144 | Stainless steel    | M6 | 9 |

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

| Order No.          | Component material | D  | L  |
|--------------------|--------------------|----|----|
| K0274.120006144X15 | Stainless steel    | M6 | 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. 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 Wing grips "Miniwing" antistatic with internal thread

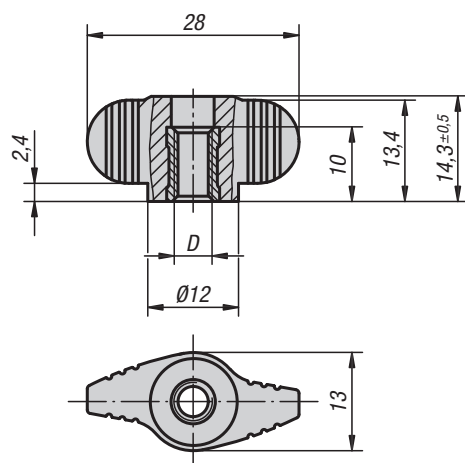
| Order No.     | Component material | D  | T |
|---------------|--------------------|----|---|
| K0274.1100624 | Steel              | M6 | 9 |

## KIPP Wing grips "Miniwing" antistatic with external thread

| Order No.        | Component material | D  | L  |
|------------------|--------------------|----|----|
| K0274.1100624X15 | Steel              | M6 | 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 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:

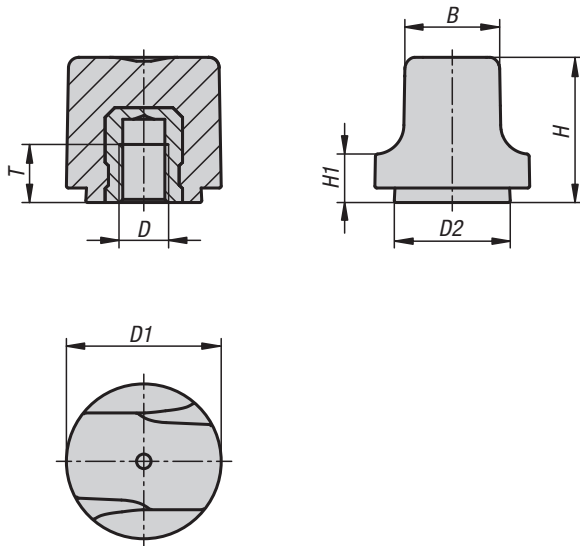
Thermoplastic black.  
Bush steel, stainless steel or brass.

### Version:

Bush blue passivated steel, stainless steel and brass bright.

### Sample order:

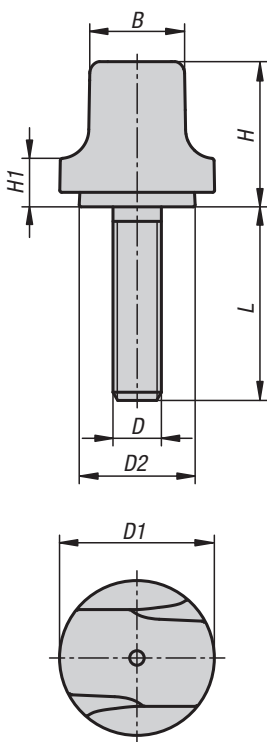
K1126.103



## 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.

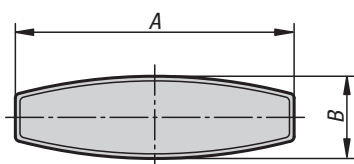
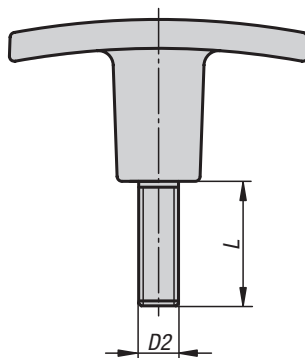
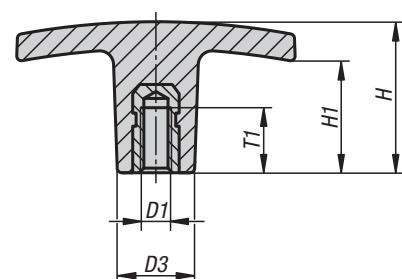
### Sample order:

K1126.103X8 (include length L.)

## KIPP Grip screws

| Order No.<br>Steel | Order No.<br>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:

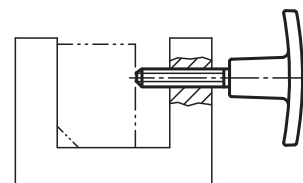
Grip, black.  
Screw galvanized.

### 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.   | A  | B    | D1  | D3 | H    | H1 | T1 |
|-------------|----|------|-----|----|------|----|----|
| K0180.14005 | 40 | 13   | M5  | 13 | 30,5 | 20 | 10 |
| K0180.15005 | 50 | 15   | M5  | 14 | 24   | 16 | 10 |
| K0180.16006 | 60 | 17   | M6  | 16 | 31,5 | 23 | 12 |
| K0180.17108 | 71 | 19,5 | M8  | 20 | 36   | 19 | 20 |
| K0180.17110 | 71 | 19,5 | M10 | 20 | 36   | 19 | 20 |
| K0180.18010 | 80 | 26   | M10 | 26 | 39,5 | 26 | 25 |
| K0180.18012 | 80 | 26   | M12 | 26 | 39,5 | 26 | 25 |

### KIPP T-grips, with external thread

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

## T-grips

**Material:**

Duroplast PF 31, black.  
Bush and stud galvanized steel.

**Version:**

High-gloss polished.

**Sample order:**

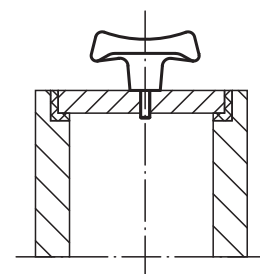
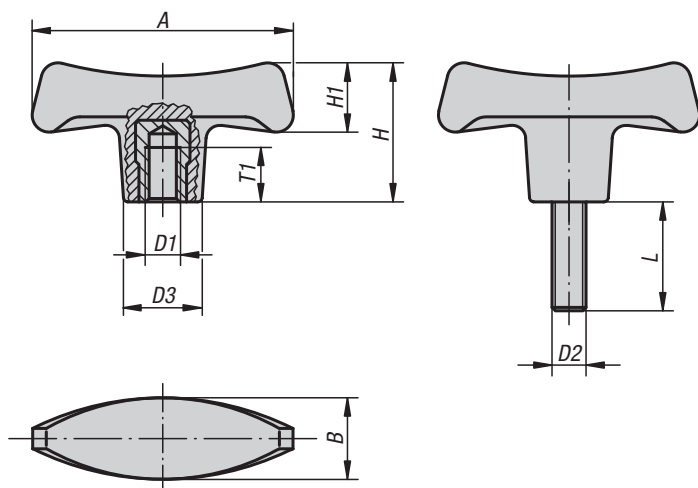
K0181.27006X18 (include length L)

**Note:**

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

**On request:**

Other screw sizes, screw lengths and colours.

**KIPP T-grips, with internal thread**

| Order No.   | A  | B  | D1  | D3   | H    | H1   | T1 |
|-------------|----|----|-----|------|------|------|----|
| K0181.17006 | 70 | 22 | M6  | 19,6 | 38,8 | 20,2 | 12 |
| K0181.17008 | 70 | 22 | M8  | 19,6 | 38,8 | 20,2 | 14 |
| K0181.17010 | 70 | 22 | M10 | 19,6 | 38,8 | 20,2 | 14 |
| K0181.18008 | 80 | 25 | M8  | 22,3 | 44   | 23   | 14 |
| K0181.18010 | 80 | 25 | M10 | 22,3 | 44   | 23   | 22 |
| K0181.19010 | 90 | 28 | M10 | 25   | 49,6 | 26   | 22 |
| K0181.19012 | 90 | 28 | M12 | 25   | 49,6 | 26   | 21 |

**KIPP T-grips, with external thread**

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

## T-grips stainless steel

**Material:**

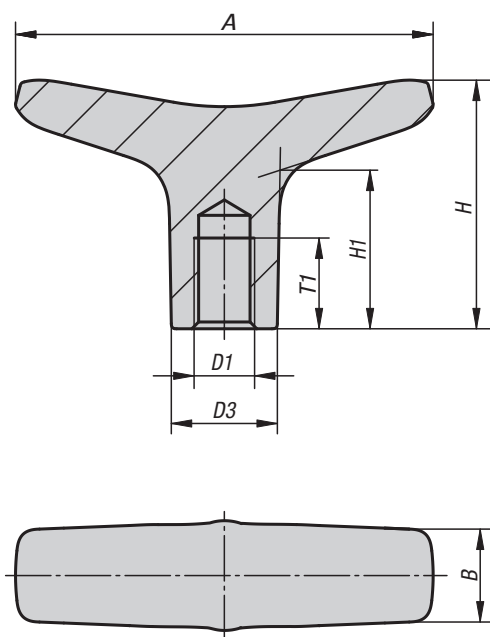
Stainless steel 1.4308.

**Version:**

Electropolished or blasted.

**Sample order:**

K1203.55061



## KIPP T-grips, stainless steel

| Order No.   | Surface         | A    | B    | D1  | D3 | H    | H1   | T1 |
|-------------|-----------------|------|------|-----|----|------|------|----|
| 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 |

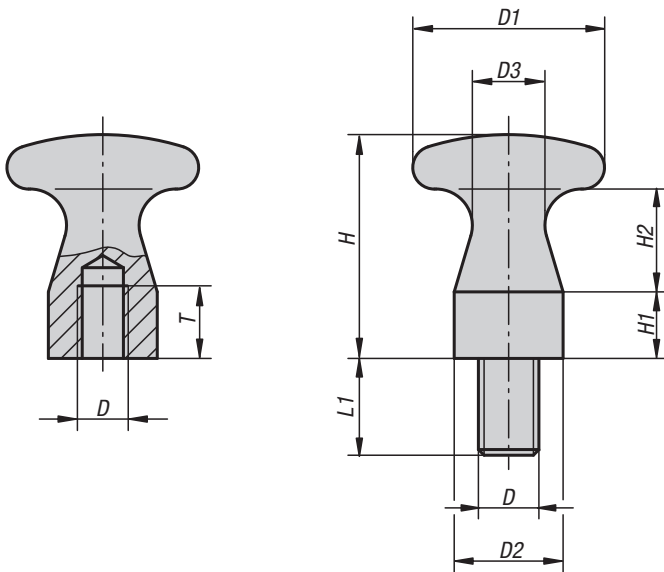
## Knobs flat



**Material:**  
Steel.

**Version:**  
Black oxidised.

**Sample order:**  
K0157.08



## KIPP Knobs flat, internal thread

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

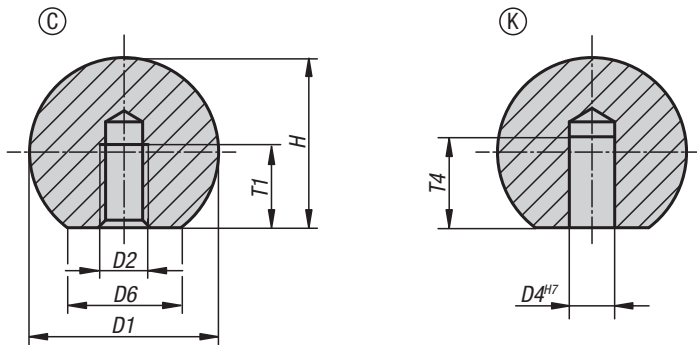
## KIPP Knobs flat, external thread

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



## Ball knobs

stainless steel or aluminium, DIN 319



### Material:

Stainless steel 1.4305 or aluminium.

### Version:

Polished.

### Sample order:

K0650.116043

### Drawing reference:

Form C: thread

Form K: hole

## KIPP Ball Knobs, stainless steel or aluminium to DIN 319

| Order No.    | Form | Main material   | D1 | D2  | D6 | H    | T1 min. |
|--------------|------|-----------------|----|-----|----|------|---------|
| K0650.116043 | C    | stainless steel | 16 | M4  | 8  | 15   | 7,2     |
| K0650.120053 | C    | stainless steel | 20 | M5  | 12 | 18   | 9,1     |
| K0650.125063 | C    | stainless steel | 25 | M6  | 15 | 22,5 | 11      |
| K0650.132083 | C    | stainless steel | 32 | M8  | 18 | 29   | 14,5    |
| K0650.140103 | C    | stainless steel | 40 | M10 | 22 | 37   | 18      |
| K0650.150123 | C    | stainless steel | 50 | M12 | 28 | 46   | 21      |
| K0650.116042 | C    | aluminium       | 16 | M4  | 8  | 15   | 7,2     |
| K0650.120052 | C    | aluminium       | 20 | M5  | 12 | 18   | 9,1     |
| K0650.125062 | C    | aluminium       | 25 | M6  | 15 | 22,5 | 11      |
| K0650.132082 | C    | aluminium       | 32 | M8  | 18 | 29   | 14,5    |
| K0650.140102 | C    | aluminium       | 40 | M10 | 22 | 37   | 18      |
| K0650.150122 | C    | aluminium       | 50 | M12 | 28 | 46   | 21      |

| Order No.    | Form | Main material   | D1 | D4 | D6 | H    | T4 min. |
|--------------|------|-----------------|----|----|----|------|---------|
| K0650.316043 | K    | stainless steel | 16 | 6  | 8  | 15   | 10      |
| K0650.320053 | K    | stainless steel | 20 | 8  | 12 | 18   | 12      |
| K0650.325063 | K    | stainless steel | 25 | 10 | 15 | 22,5 | 16      |
| K0650.332083 | K    | stainless steel | 32 | 12 | 18 | 29   | 20      |
| K0650.340103 | K    | stainless steel | 40 | 16 | 22 | 37   | 25      |
| K0650.350123 | K    | stainless steel | 50 | 20 | 28 | 46   | 32      |
| K0650.316042 | K    | aluminium       | 16 | 6  | 8  | 15   | 10      |
| K0650.320052 | K    | aluminium       | 20 | 8  | 12 | 18   | 12      |
| K0650.325062 | K    | aluminium       | 25 | 10 | 15 | 22,5 | 16      |
| K0650.332082 | K    | aluminium       | 32 | 12 | 18 | 29   | 20      |
| K0650.340102 | K    | aluminium       | 40 | 16 | 22 | 37   | 25      |
| K0650.350122 | K    | aluminium       | 50 | 20 | 28 | 46   | 32      |

# Ball knobs

thermoplastic, DIN 319 enhanced



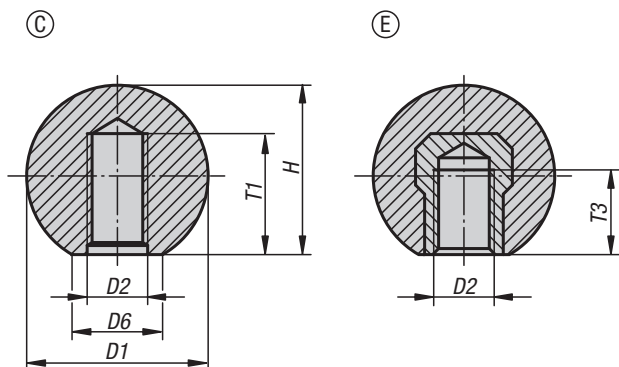
**Material:**  
Black thermoplastic.  
Bush steel.

**Version:**  
Steel galvanized.

**Sample order:**  
K0158.11604

**On request:**  
Other colours.

**Drawing reference:**  
Form C: plastic thread  
Form E: tapped bush



## KIPP Ball knobs thermoplastic DIN 319 enhanced

| Order No.   | Form | D1 | D2  | D6 | H    | T1 min. | T3 min. |
|-------------|------|----|-----|----|------|---------|---------|
| K0158.11604 | C    | 16 | M4  | 8  | 15   | 6       | -       |
| K0158.11605 | C    | 16 | M5  | 8  | 15   | 7,5     | -       |
| K0158.12005 | C    | 20 | M5  | 12 | 18   | 7,5     | -       |
| K0158.12006 | C    | 20 | M6  | 12 | 18   | 9       | -       |
| K0158.12506 | C    | 25 | M6  | 15 | 22,5 | 9       | -       |
| K0158.12508 | C    | 25 | M8  | 15 | 22,5 | 12      | -       |
| K0158.13208 | C    | 32 | M8  | 18 | 29   | 12      | -       |
| K0158.13210 | C    | 32 | M10 | 18 | 29   | 15      | -       |
| K0158.22005 | E    | 20 | M5  | 12 | 18   | -       | 7,5     |
| K0158.22006 | E    | 20 | M6  | 12 | 18   | -       | 7,5     |
| K0158.22506 | E    | 25 | M6  | 15 | 22,5 | -       | 9       |
| K0158.22508 | E    | 25 | M8  | 15 | 22,5 | -       | 9       |
| K0158.23208 | E    | 32 | M8  | 18 | 29   | -       | 12      |
| K0158.23210 | E    | 32 | M10 | 18 | 29   | -       | 12      |



A large grid of graph paper for taking notes.



## Ball knobs smooth

DIN 319 enhanced



**Material:**  
Black Duroplast PF 31.  
Bush galvanized steel.

**Version:**  
High-gloss polished.

**Sample order:**  
K0159.11604

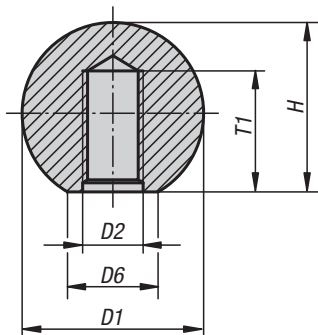
**Note:**  
Assembly, Form L: The ball knobs are installed by tapping lightly with a hammer. Please only use a rubber or plastic hammer with a weight up to 200 g!

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

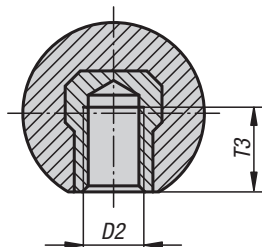
**On request:**  
\* These versions are available from stock in dark red at extra charge.

**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.

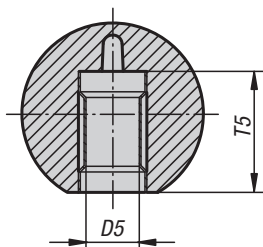
(C)



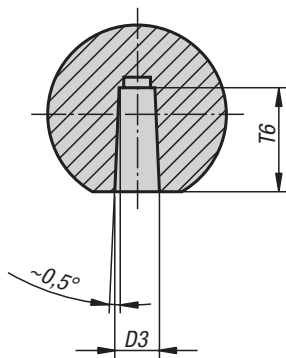
(E)



(L)



(M)



### 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 | D1 | D2  | D6 | H    | T1 min. |
|--------------|------|----|-----|----|------|---------|
| K0159.11604  | C    | 16 | M4  | 8  | 15   | 6       |
| K0159.11605  | C    | 16 | M5  | 8  | 15   | 7,5     |
| K0159.11606  | C    | 16 | M6  | 8  | 15   | 9       |
| K0159.12005* | C    | 20 | M5  | 12 | 18   | 7,5     |
| K0159.12006  | C    | 20 | M6  | 12 | 18   | 9       |
| K0159.12506* | C    | 25 | M6  | 15 | 23   | 9       |
| K0159.12508  | C    | 25 | M8  | 15 | 23   | 12      |
| K0159.13008* | C    | 30 | M8  | 16 | 28   | 12      |
| K0159.13208* | C    | 32 | M8  | 18 | 29   | 12      |
| K0159.13210  | C    | 32 | M10 | 18 | 29   | 15      |
| K0159.13508  | C    | 36 | M8  | 17 | 33   | 18      |
| K0159.13510* | C    | 36 | M10 | 17 | 33   | 15      |
| K0159.14008  | C    | 40 | M8  | 20 | 37,5 | 12      |
| K0159.14010* | C    | 40 | M10 | 20 | 37,5 | 15      |
| K0159.14012  | C    | 40 | M12 | 20 | 37,5 | 18      |
| K0159.14510  | C    | 45 | M10 | 20 | 43   | 15      |
| K0159.14512  | C    | 45 | M12 | 20 | 43   | 18      |
| K0159.15010  | C    | 50 | M10 | 22 | 48   | 15      |
| K0159.15012* | C    | 50 | M12 | 28 | 48   | 18      |

# Ball knobs smooth

DIN 319 enhanced



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

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

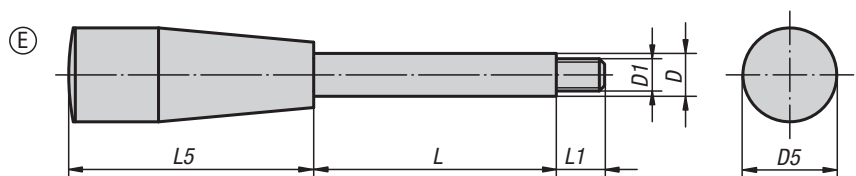
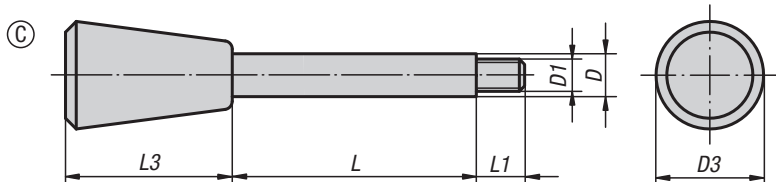
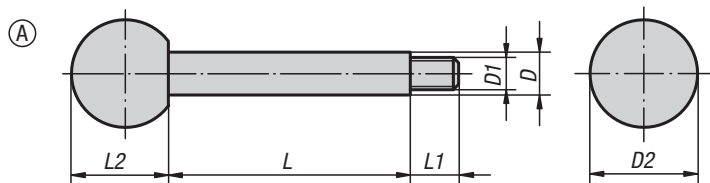
## KIPP Ball knobs smooth DIN 319 enhanced, Form L, with clamping sleeve

| Order No.   | Form | D1 | D5 | D6 | H    | T5 |
|-------------|------|----|----|----|------|----|
| K0159.42005 | L    | 20 | 5  | 12 | 18   | 13 |
| K0159.42506 | L    | 25 | 6  | 15 | 23   | 16 |
| K0159.42508 | L    | 25 | 8  | 15 | 23   | 15 |
| K0159.43208 | L    | 32 | 8  | 18 | 29   | 15 |
| K0159.43210 | L    | 32 | 10 | 18 | 29   | 20 |
| K0159.44010 | L    | 40 | 10 | 20 | 37,5 | 20 |
| K0159.44012 | L    | 40 | 12 | 20 | 37,5 | 23 |
| K0159.45012 | L    | 50 | 12 | 28 | 48   | 20 |

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

| Order No.   | Form | D1 | D3 | D6 | H    | T6 |
|-------------|------|----|----|----|------|----|
| K0159.31604 | M    | 16 | 4  | 8  | 15   | 9  |
| K0159.32005 | M    | 20 | 5  | 12 | 18   | 12 |
| K0159.32506 | M    | 25 | 6  | 15 | 23   | 15 |
| K0159.32508 | M    | 25 | 8  | 15 | 23   | 15 |
| K0159.33208 | M    | 32 | 8  | 18 | 29   | 15 |
| K0159.33210 | M    | 32 | 10 | 18 | 29   | 15 |
| K0159.34010 | M    | 40 | 10 | 20 | 37,5 | 20 |
| K0159.34012 | M    | 40 | 12 | 20 | 37,5 | 20 |
| K0159.35012 | M    | 50 | 12 | 28 | 48   | 22 |

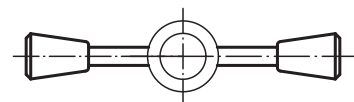
## Handles



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

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

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



## KIPP Steel rods

| Order No.  | Form | D  | D1  | D2 | D3 | D5 | L              | L1 | L2   | L3 | L5 |
|------------|------|----|-----|----|----|----|----------------|----|------|----|----|
| K0179.208X | A    | 8  | M6  | 20 | -  | -  | 35/50/65       | 9  | 18   | -  | -  |
| K0179.210X | A    | 10 | M8  | 25 | -  | -  | 50/65/80/100   | 13 | 22,5 | -  | -  |
| K0179.212X | A    | 12 | M10 | 32 | -  | -  | 65/80/100/125  | 15 | 29   | -  | -  |
| K0179.214X | A    | 14 | M12 | 36 | -  | -  | 80/100/125/160 | 16 | 33   | -  | -  |
| K0179.408X | C    | 8  | M6  | -  | 20 | -  | 35/50/65       | 9  | -    | 31 | -  |
| K0179.410X | C    | 10 | M8  | -  | 25 | -  | 50/65/80/100   | 13 | -    | 38 | -  |
| K0179.412X | C    | 12 | M10 | -  | 30 | -  | 65/80/100/125  | 15 | -    | 46 | -  |
| K0179.414X | C    | 14 | M12 | -  | 35 | -  | 80/100/125/160 | 16 | -    | 53 | -  |
| K0179.608X | E    | 8  | M6  | -  | -  | 17 | 35/50/65       | 9  | -    | -  | 45 |
| K0179.610X | E    | 10 | M8  | -  | -  | 23 | 50/65/80/100   | 13 | -    | -  | 61 |
| K0179.612X | E    | 12 | M10 | -  | -  | 29 | 65/80/100/125  | 15 | -    | -  | 71 |
| K0179.614X | E    | 14 | M12 | -  | -  | 29 | 80/100/125/160 | 16 | -    | -  | 71 |

## KIPP Stainless steel rods

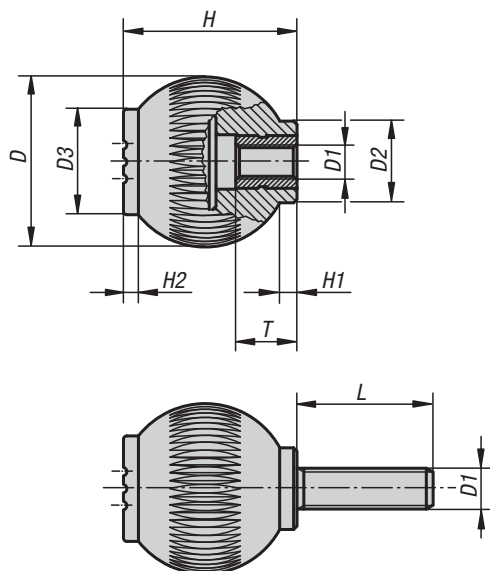
| Order No.   | Form | D  | D1  | D2 | D3 | D5 | L              | L1 | L2   | L3 | L5 |
|-------------|------|----|-----|----|----|----|----------------|----|------|----|----|
| K0179.1208X | A    | 8  | M6  | 20 | -  | -  | 35/50/65       | 9  | 18   | -  | -  |
| K0179.1210X | A    | 10 | M8  | 25 | -  | -  | 50/65/80/100   | 13 | 22,5 | -  | -  |
| K0179.1212X | A    | 12 | M10 | 32 | -  | -  | 65/80/100/125  | 15 | 29   | -  | -  |
| K0179.1214X | A    | 14 | M12 | 36 | -  | -  | 80/100/125/160 | 16 | 33   | -  | -  |
| K0179.1408X | C    | 8  | M6  | -  | 20 | -  | 35/50/65       | 9  | -    | 31 | -  |
| K0179.1410X | C    | 10 | M8  | -  | 25 | -  | 50/65/80/100   | 13 | -    | 38 | -  |
| K0179.1412X | C    | 12 | M10 | -  | 30 | -  | 65/80/100/125  | 15 | -    | 46 | -  |
| K0179.1414X | C    | 14 | M12 | -  | 35 | -  | 80/100/125/160 | 16 | -    | 53 | -  |
| K0179.1608X | E    | 8  | M6  | -  | -  | 17 | 35/50/65       | 9  | -    | -  | 45 |
| K0179.1610X | E    | 10 | M8  | -  | -  | 23 | 50/65/80/100   | 13 | -    | -  | 61 |
| K0179.1612X | E    | 12 | M10 | -  | -  | 29 | 65/80/100/125  | 15 | -    | -  | 71 |
| K0179.1614X | E    | 14 | M12 | -  | -  | 29 | 80/100/125/160 | 16 | -    | -  | 71 |



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



## Spherical knobs



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.  
Bush and screw steel 5.8 or stainless steel 1.4305.

**Version:**

Blue passivated steel or bright stainless steel.

**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.<br>Steel | Order No.<br>Stainless steel | Size | D  | D1  | D2   | D3 | H    | H1  | H2  | T  |
|--------------------|------------------------------|------|----|-----|------|----|------|-----|-----|----|
| K0253.106Δ         | K0253.0106Δ                  | 1    | 25 | M6  | 12   | 17 | 25   | 3   | 2   | 10 |
| K0253.208Δ         | K0253.0208Δ                  | 2    | 32 | M8  | 15,5 | 19 | 33   | 3,5 | 2,6 | 14 |
| K0253.310Δ         | K0253.0310Δ                  | 3    | 40 | M10 | 19   | 23 | 41,5 | 4   | 3   | 14 |
| K0253.410Δ         | K0253.0410Δ                  | 4    | 50 | M10 | 24   | 31 | 51   | 5,5 | 4,5 | 14 |
| K0253.412Δ         | K0253.0412Δ                  | 4    | 50 | M12 | 24   | 31 | 51   | 5,5 | 4,5 | 18 |

## KIPP Spherical knobs with external thread

| Order No.<br>Steel | Order No.<br>Stainless steel | Size | D  | D1  | D2   | D3 | H    | H1  | H2  | L           |
|--------------------|------------------------------|------|----|-----|------|----|------|-----|-----|-------------|
| K0253.106ΔX        | K0253.0106ΔX                 | 1    | 25 | M6  | 12   | 17 | 25   | 3   | 2   | 15/20/25/30 |
| K0253.208ΔX        | K0253.0208ΔX                 | 2    | 32 | M8  | 15,5 | 19 | 33   | 3,5 | 2,6 | 20/25/30/40 |
| K0253.310ΔX        | K0253.0310ΔX                 | 3    | 40 | M10 | 19   | 23 | 41,5 | 4   | 3   | 20/30/40    |
| K0253.410ΔX        | K0253.0410ΔX                 | 4    | 50 | M10 | 24   | 31 | 51   | 5,5 | 4,5 | 20/30/40    |
| K0253.412ΔX        | K0253.0412ΔX                 | 4    | 50 | M12 | 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, galvanized and blue passivated.  
Natural beech with beech fibres or coloured black grey.

**Sample order:**

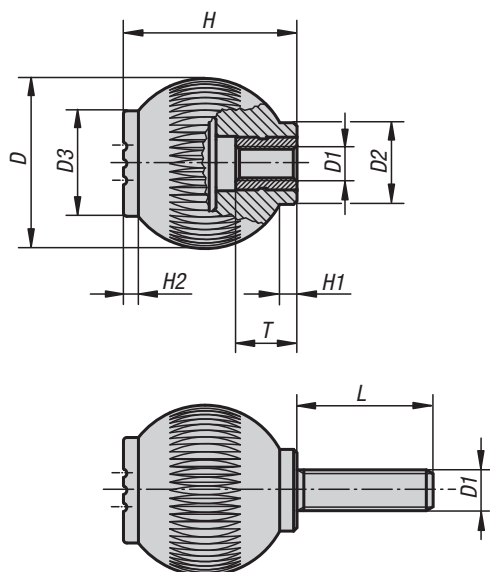
K0253.10106143X15

**Advantages:**

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

**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**

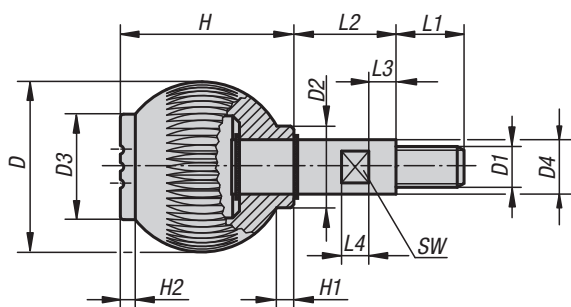
| Order No.      | Main colour         | Size | D  | D1 | D2   | D3 | H  | H1  | H2  | T  |
|----------------|---------------------|------|----|----|------|----|----|-----|-----|----|
| K0253.10106143 | natural beech       | 1    | 25 | M6 | 12   | 17 | 25 | 3   | 2   | 10 |
| K0253.10208143 | natural beech       | 2    | 32 | M8 | 15,5 | 19 | 33 | 3,5 | 2,6 | 14 |
| K0253.1010690  | black grey RAL 7021 | 1    | 25 | M6 | 12   | 17 | 25 | 3   | 2   | 10 |
| K0253.1020890  | black grey RAL 7021 | 2    | 32 | M8 | 15,5 | 19 | 33 | 3,5 | 2,6 | 14 |

**KIPP Spherical knobs biopolymer with external thread**

| Order No.         | Main colour         | Size | D  | D1 | D2   | D3 | H  | H1  | H2  | L  |
|-------------------|---------------------|------|----|----|------|----|----|-----|-----|----|
| K0253.10106143X15 | natural beech       | 1    | 25 | M6 | 12   | 17 | 25 | 3   | 2   | 15 |
| K0253.10208143X20 | natural beech       | 2    | 32 | M8 | 15,5 | 19 | 33 | 3,5 | 2,6 | 20 |
| K0253.1010690X15  | black grey RAL 7021 | 1    | 25 | M6 | 12   | 17 | 25 | 3   | 2   | 15 |
| K0253.1020890X20  | black grey RAL 7021 | 2    | 32 | M8 | 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:

Blue passivated steel or bright stainless steel.  
Circlips galvanized, including stainless steel version.

### Sample order:

K0254.1066 (cap colour traffic red.)

### Note:

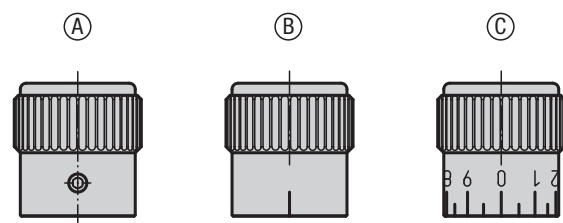
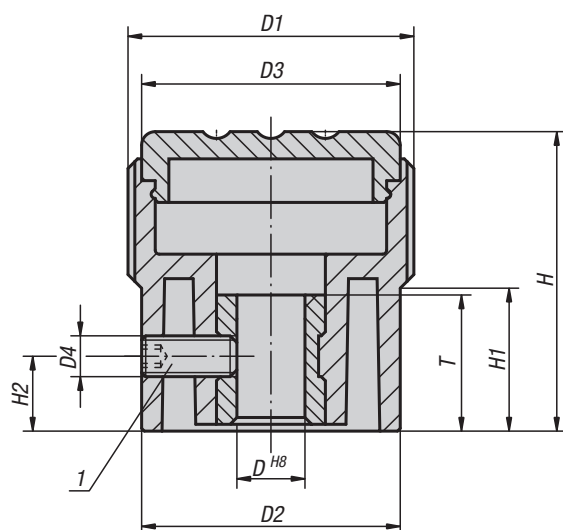
Δ Add the desired cap colour here.  
No colour code is required for black grey caps.



## KIPP Spherical knobs revolving

| Order No.<br>steel | Order No.<br>stainless steel | Size | D  | D1  | D2   | D3 | D4 | H    | H1  | H2  | L1 | L2 | L3 | L4 | SW |
|--------------------|------------------------------|------|----|-----|------|----|----|------|-----|-----|----|----|----|----|----|
| K0254.106Δ         | K0254.0106Δ                  | 1    | 25 | M6  | 12   | 17 | 8  | 25   | 3   | 2   | 10 | 15 | 5  | 5  | 7  |
| K0254.208Δ         | K0254.0208Δ                  | 2    | 32 | M8  | 15,5 | 19 | 10 | 33   | 3,5 | 2,6 | 12 | 20 | 6  | 6  | 8  |
| K0254.310Δ         | K0254.0310Δ                  | 3    | 40 | M10 | 19   | 23 | 13 | 41,5 | 4   | 3   | 15 | 25 | 7  | 10 | 10 |
| K0254.412Δ         | K0254.0412Δ                  | 4    | 50 | M12 | 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)

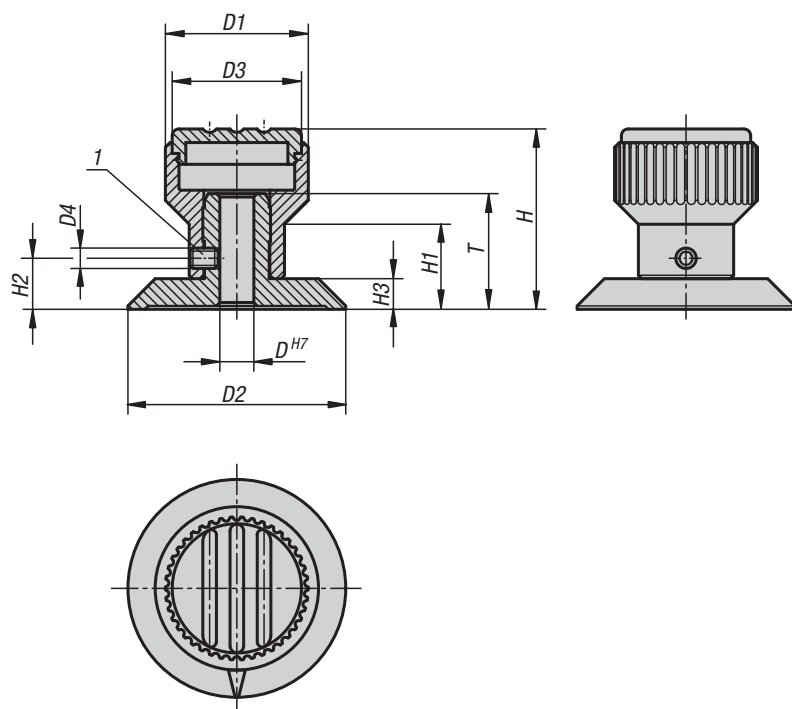


## KIPP Knurled knobs

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

## Sample order:

K0249.1055 (cap colour light grey)

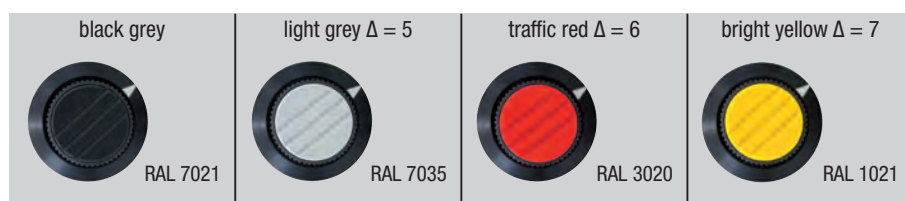
## Note:

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:

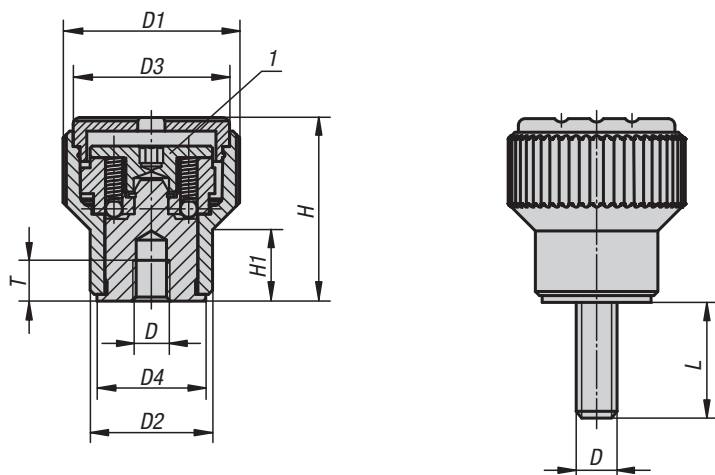
1) set screw



## KIPP Knurled knobs with arrow

| Order No.  | Size | D | D1 | D2 | D3 | D4 | H    | H1   | H2  | H3  | T    |
|------------|------|---|----|----|----|----|------|------|-----|-----|------|
| K0249.105Δ | 1    | 5 | 21 | 32 | 19 | M3 | 26,5 | 12,5 | 7,5 | 4,5 | 17   |
| K0249.206Δ | 2    | 6 | 26 | 40 | 23 | M4 | 31,5 | 15   | 9,5 | 5,5 | 20,5 |
| K0249.308Δ | 3    | 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 blue passivated

**Sample order:**

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

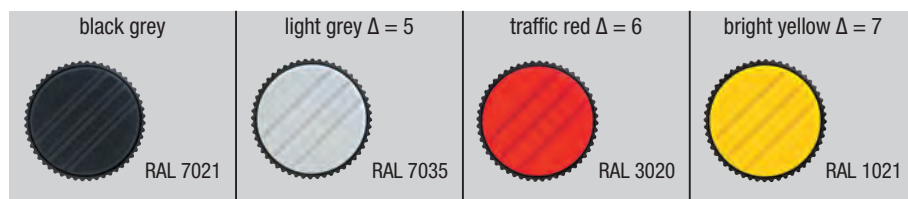
**Note:**

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

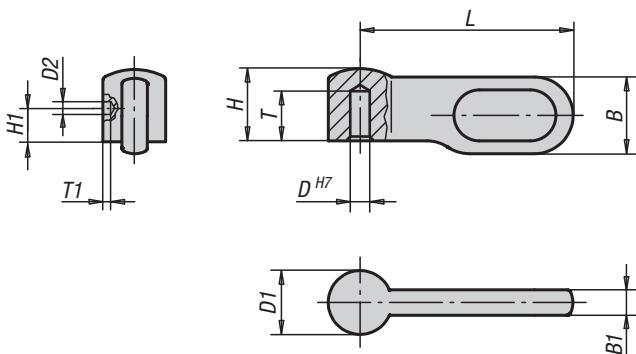
**KIPP Knurled torque knobs with internal thread**

| Order No.  | Component material | Size | D  | D1 | D2 | D3 | D4 | H    | H1   | T  | Adjustable torque approx. Nm min. - max. |
|------------|--------------------|------|----|----|----|----|----|------|------|----|------------------------------------------|
| K0277.205Δ | Steel              | 2    | M5 | 26 | 18 | 23 | 16 | 27   | 10,5 | 5  | 0,1 - 0,3                                |
| K0277.206Δ | Steel              | 2    | M6 | 26 | 18 | 23 | 16 | 27   | 10,5 | 6  | 0,1 - 0,3                                |
| K0277.306Δ | Steel              | 3    | M6 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 10 | 0,1 - 0,3                                |
| K0277.308Δ | Steel              | 3    | 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 | Size | D  | D1 | D2 | D3 | D4 | H    | H1   | L     | Adjustable torque approx. Nm min. - max. |
|-------------|--------------------|------|----|----|----|----|----|------|------|-------|------------------------------------------|
| K0277.205ΔX | Steel              | 2    | M5 | 26 | 18 | 23 | 16 | 27   | 10,5 | 30/50 | 0,1 - 0,3                                |
| K0277.206ΔX | Steel              | 2    | M6 | 26 | 18 | 23 | 16 | 27   | 10,5 | 30/50 | 0,1 - 0,3                                |
| K0277.306ΔX | Steel              | 3    | M6 | 34 | 22 | 31 | 20 | 37,5 | 14,5 | 40/60 | 0,1 - 0,3                                |
| K0277.308ΔX | Steel              | 3    | 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 | B    | B1  | D | D1  | D2  | H    | H1 | L  | T    | T1  |
|------------|-----------------|------|------|-----|---|-----|-----|------|----|----|------|-----|
| K0178.1040 | Stainless steel | 1    | 9    | 3   | 4 | 7,5 | 1,5 | 8,5  | 3  | 25 | 5,5  | 0,5 |
| K0178.2050 | Stainless steel | 2    | 10,8 | 3,6 | 5 | 9   | 2   | 10,2 | 4  | 30 | 6,5  | 1   |
| K0178.3060 | Stainless steel | 3    | 14,4 | 4,8 | 6 | 12  | 2   | 13,6 | 5  | 40 | 8,7  | 1   |
| K0178.4080 | Stainless steel | 4    | 18   | 6   | 8 | 15  | 3   | 17   | 6  | 50 | 10,2 | 1   |
| K0178.1041 | Steel           | 1    | 9    | 3   | 4 | 7,5 | 1,5 | 8,5  | 3  | 25 | 5,5  | 0,5 |
| K0178.2051 | Steel           | 2    | 10,8 | 3,6 | 5 | 9   | 2   | 10,2 | 4  | 30 | 6,5  | 1   |
| K0178.3061 | Steel           | 3    | 14,4 | 4,8 | 6 | 12  | 2   | 13,6 | 5  | 40 | 8,7  | 1   |
| K0178.4081 | Steel           | 4    | 18   | 6   | 8 | 15  | 3   | 17   | 6  | 50 | 10,2 | 1   |