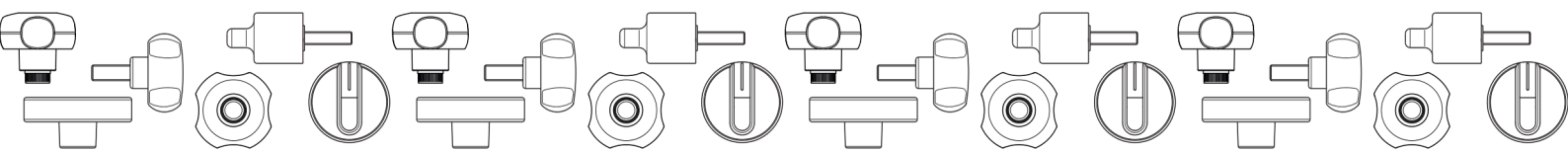




## LOCKING HANDWHEELS

### BOTECO Locking Handwheels

The locking handwheels are of major importance in the Boteco range of products. The G730 series of 4-lobe handwheels and variants, in particular, is a key series that has characterised our range of products since the '80s. This product has become one of the most sold and loved as even the geometry of the handwheel can be customized. The available variants are in continual expansion, as are the customization possibilities. For detailed information on the specifications of each individual product please consult the technical sheet.



# G130

## "EUROMODEL" KNURLED KNOB WITH CAP



### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

Black (RAL 9011).

### Handwheel colour:

#### Central cap:

Centralcap in grey polyamide (RAL 7035 code 13) with black polyamide support ring for versions 57 and 94. Cap only without ring for version 72. Push-fit assembly. Removable.

### Alternative cap colours:

Orange (RAL 2004 code 02).  
Blue (RAL 5015 code 07).  
Yellow (RAL 1021 code 10).  
Red (RAL 3000 code 16).  
Green (RAL 6024 code 17).  
Black (RAL 9011 code 01).

### Inserts:

#### Version TD:

Galvanised steel insert with smooth through bore (tolerance H10).

#### Version TM:

Galvanised steel insert with threaded through hole (tolerance hole 6H).

### Fixing hole d2:

#### Version TD:

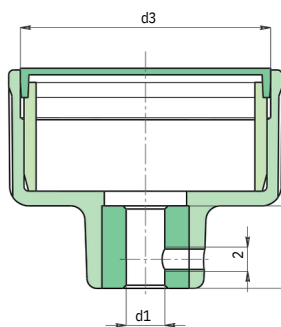
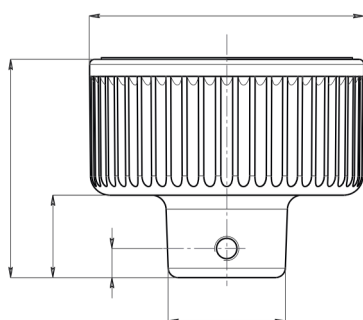
Fixing threaded hole.

#### Version TM:

None.

### Special requests:

- Upon request and for special quantities inserts can be supplied with custom hole diameter d1.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page. ].



Version TD: with smooth through hole.

| Code         | art.                    | D  | d  | H  | m  | h | d2 | d3 | dm | d1 <sub>H10</sub> | Q  | g   |
|--------------|-------------------------|----|----|----|----|---|----|----|----|-------------------|----|-----|
| G130057.0001 | G130057.TD080113        | 57 | 24 | 46 | 17 | 6 | M5 | 52 | 12 | 8                 | 16 | 105 |
| G130072.0001 | G13 0 072 .T D 0 8 0113 | 72 | 28 | 53 | 21 | 6 | M5 | 67 | 12 | 8                 | 20 | 165 |
| G130094.0002 | G13 0 0 94 .T D10 0113  | 94 | 36 | 58 | 24 | 6 | M5 | 87 | 15 | 10                | 24 | 376 |

Attention: for a minimum of 50 pieces the diameter d1 can be produced with the requested dimensions (H10 tolerance)  
Dm = Maximum obtainable diameter for subsequent machining (widening).

Version TM with threaded through hole

| Code         | art.                    | D  | d  | H  | m  | h | d2 | d3 | dm | d1 <sub>6H</sub> | Q  | g   |
|--------------|-------------------------|----|----|----|----|---|----|----|----|------------------|----|-----|
| G130057.0002 | G130057.TM080113        | 57 | 24 | 46 | 17 | - | -  | 52 | 12 | M8               | 16 | 105 |
| G130072.0002 | G13 0 072 .TM10 0113    | 72 | 28 | 53 | 21 | - | -  | 67 | 12 | M10              | 20 | 165 |
| G130094.0003 | G13 0 0 94 .T M1 2 0113 | 94 | 36 | 58 | 24 | - | -  | 87 | 15 | M12              | 24 | 376 |

Attention: for a minimum of 50 pieces the diameter d1 can be produced with the requested dimensions.



# G210

## PUSH-FIT INDICATOR KNOB WITH HALFMOON HOLE



### Materials:

Reinforced copolymer polypropylene.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Pointer Colour:

Whiteline obtained by pad printing.

### Hole:

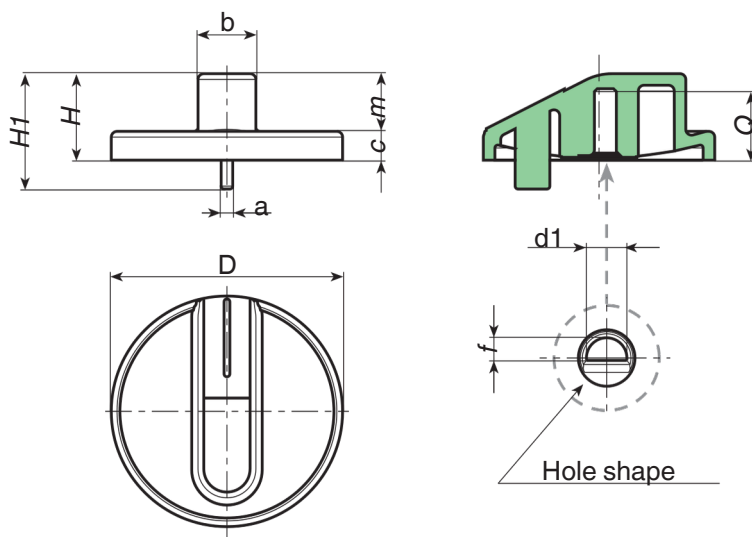
Halfmoon-shaped blind smooth hole obtained by moulding.

### Assembly:

None.

Push-fit.

### Special requests:



| Code         | art.             | D    | H  | H1 | a | b   | c | m  | f   | d1 | Q  | g |
|--------------|------------------|------|----|----|---|-----|---|----|-----|----|----|---|
| G210040.0001 | G210040.TG0601Z1 | 39.5 | 15 | 20 | 2 | 9.5 | 5 | 10 | 3.8 | 6  | 12 | 5 |

# G630



## 4LOBEHANDWHEEL WITH INDEXED INSERT (PUSH TO USE) AND THREADED INSERT

### Materials:

(3-4)Special high resistance glass fiber reinforced technopolymer.  
Resistant to oils and greases.

**Surface finish:**  
Satin.

**Colour:**  
(3-4)Black. (RAL9011).

**Central fixing button:**  
(1)Red polyamidebutton(RAL3000code16).

**Alternative handwheel and button colour:**  
Orange (RAL 2004 code 02).

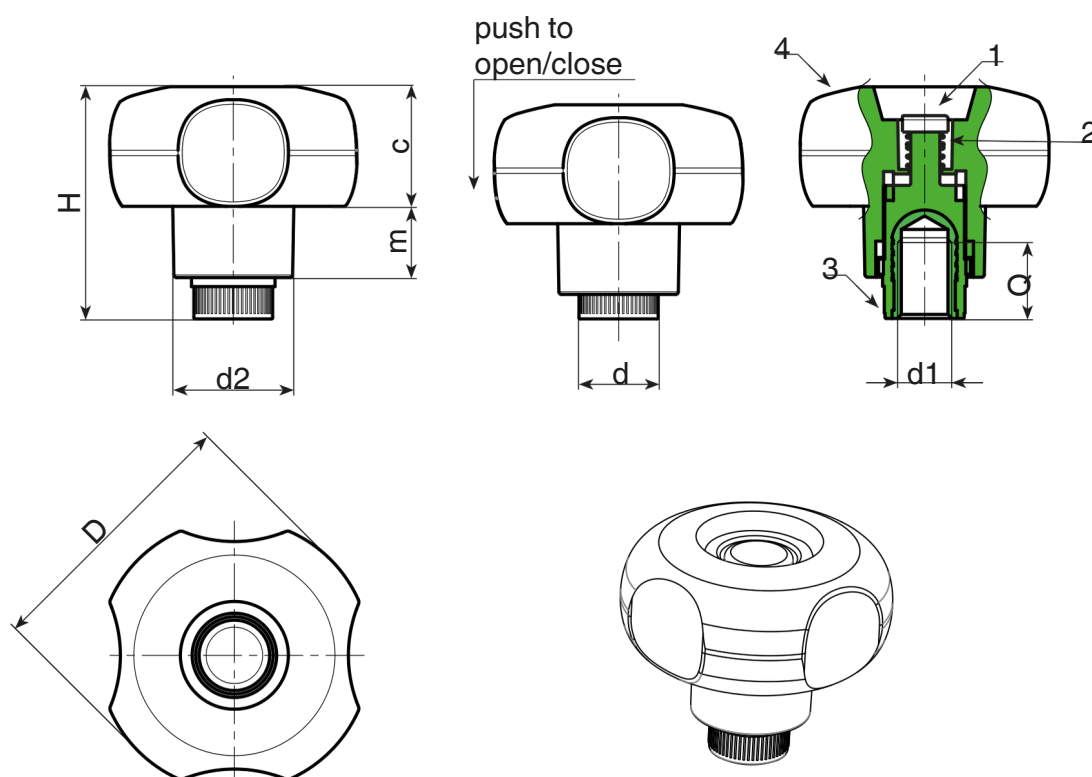
Blue (RAL 5015 code 07).  
Yellow (RAL 1021 code 10).  
Red (RAL 3000 code 16).  
Green (RAL 6024 code 17).  
Grey (RAL 7035 cod. 13).  
Black (RAL 9001 code 01).

**Inserts:**  
Brassinsertwithfemale threaded hole (thread tolerance 6H).

### Spring:

**Special requests:** (Aisi 302).

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.            | D  | H    | d2 | d  | m  | c  | d1 <sub>6H</sub> | Q | g  |
|-------------|-----------------|----|------|----|----|----|----|------------------|---|----|
| G63050.0001 | G63050.TM060116 | 49 | 42.5 | 22 | 15 | 13 | 22 | M6               | 1 | 37 |
| G63050.0004 | G63050.TM080116 | 49 | 42.5 | 22 | 15 | 13 | 22 | M8               | 4 | 37 |
| G63050.0006 | G63050.TM100116 | 49 | 42.5 | 22 | 15 | 13 | 22 | M10              | 1 | 38 |

4  
1  
4



## 4LOBE HANDWHEEL WITH INDEXED INSERT (PUSH TO USE) AND MALE THREAD

### Materials:

(3-4)Special high resistance glass fiber reinforced technopolymer.  
Resistant to oils and greases.

### Surface finish:

Satin.

(3-4)Black. (RAL9011).

### Colour:

#### Central fixing button:

(1)Red polyamidebutton(RAL3000code16).

### Alternative handwheel and button colour:

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Red (RAL 3000 code 16).

Green (RAL 6024 code 17).

Grey (RAL 7035 cod. 13).

Black (RAL 9001 code 01).

### Inserts:

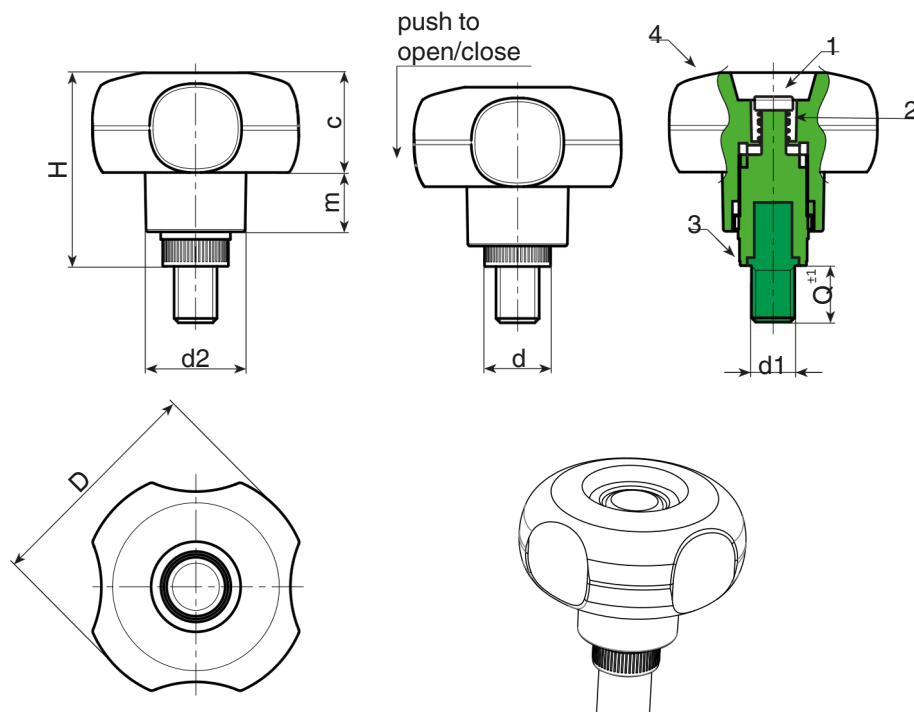
Galvanisedsteelthreaded stud (thread tolerance 6g).

### Spring:

#### Special requests:

Stainlesssteelspring (Aisi 302).

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.               | D  | H    | d2 | d  | m  | c  | LM | d1 <sub>6g</sub> | Q | g |
|-------------|--------------------|----|------|----|----|----|----|----|------------------|---|---|
| G63250.0002 | G63250.TM06X300116 | 49 | 42.5 | 22 | 15 | 13 | 22 | 90 | M6               | 3 | - |
| G63250.0005 | G63250.TM08X400116 | 49 | 42.5 | 22 | 15 | 13 | 22 | 90 | M8               | 0 | - |
| G63250.0007 | G63250.TM10X500116 | 49 | 42.5 | 22 | 15 | 13 | 22 | 90 | M10              | 4 | - |

LM = Maximum mouldable length.

Threaded stud length on request, with a minimum quantity of 250 pieces.

0  
5  
0

# G650



## 6-LOBEHANDWHEEL WITH CAP AND THREADED INSERT

### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Central Cap:

Greypolyamide(RAL 7035). 13).

### Alternative Cap colours:

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Red (RAL 3000 code 16).

Green (RAL 6024 code 17).

Black (RAL 9011 code 01).

### Inserts:

Brassinsertwiththreaded through hole (thread tolerance 6H).

### Special Requests:

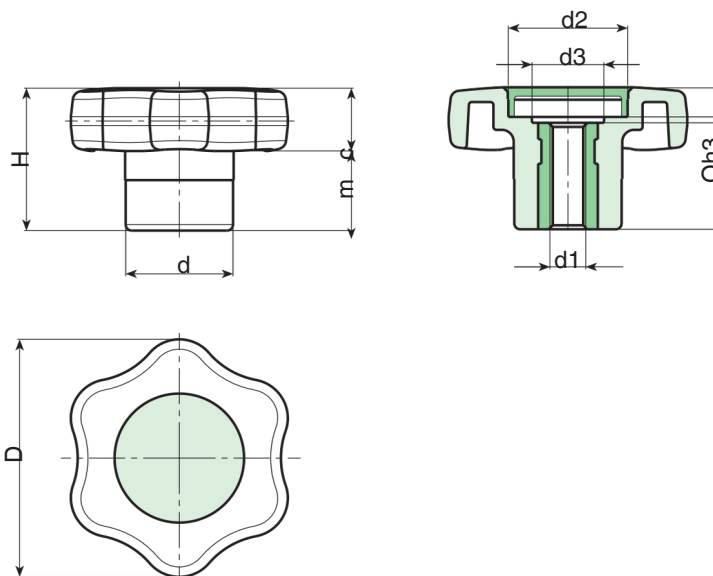
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].

### PAD PRINTING SERVICE

Upon request and for special quantities caps can be supplied with custom pad printing.



07



| Code        | art.          | D  | H  | d  | m    | c    | d2 | d3 | h3 | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|----|----|----|------|------|----|----|----|------------------|----|----|
| G65040.0001 | G65040.TM0601 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M6               | 18 | 18 |
| G65040.0005 | G65040.TM0801 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M8               | 18 | 19 |
| G65040.0010 | G65040.TM1001 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M10              | 18 | 20 |

# G651

## 6-LOBEHANDWHEEL WITH CAP AND THREADED STUD



### Materials:

Reinforced polyamide.

Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Central Cap:

Greypolyamide(RAL 7035). 13).

### Alternative Cap colours:

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Red (RAL 3000 code 16).

Green (RAL 6024 code 17).

Black (RAL 9011 code 01).

### Inserts:

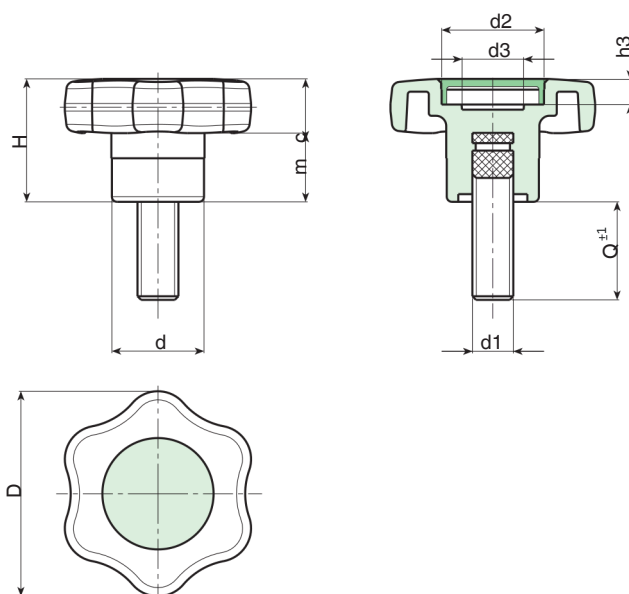
Galvanisedsteelthreaded stud (thread tolerance 6g).

### Special Requests:

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].

### PAD PRINTING SERVICE

Upon request and for special quantities caps can be supplied with custom pad printing.



| Code        | art.             | D  | H  | d  | m    | c    | d2 | d3 | h3 | d1 <sub>6g</sub> | Q  | g  |
|-------------|------------------|----|----|----|------|------|----|----|----|------------------|----|----|
| G65140.0002 | G65140.TM06X2001 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M6               | 20 | -  |
| G65140.0014 | G65140.TM08X3001 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M8               | 30 | 24 |
| G65140.0020 | G65140.TM10X3001 | 40 | 24 | 18 | 10.5 | 13.5 | 20 | 13 | 6  | M10              | 30 | -  |

Customised stud length available for a minimum of 100 pieces.



# G730

## 4-LOBEHANDWHEEL WITH THREADED INSERT



### Materials:

Reinforcedpolyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

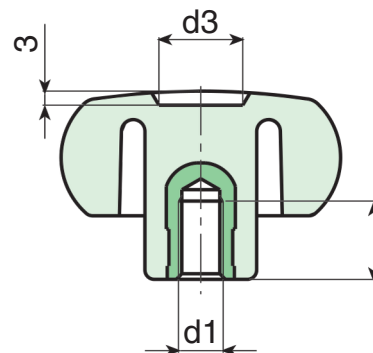
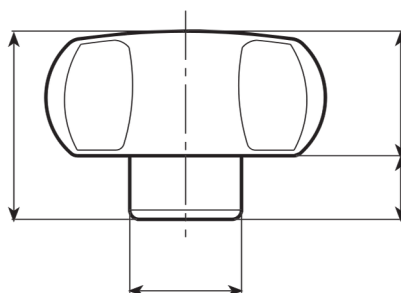
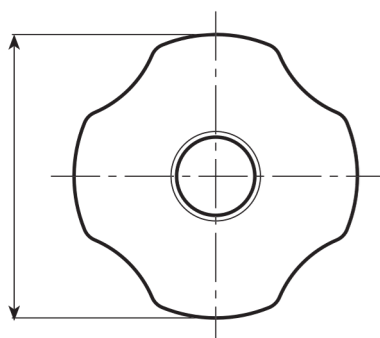
### Inserts:

Brassinsertwith female threaded hole (thread tolerance 6H).

(\*) Galvanised steel insert with female threaded hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.               | D  | H    | d  | c    | m   | d3 | h3  | d1 <sub>6H</sub> | Q  | g   |
|-------------|--------------------|----|------|----|------|-----|----|-----|------------------|----|-----|
| G73020.0002 | G73020.TM0401      | 21 | 14   | 11 | 8.5  | 5.5 | 8  | 1.5 | M4               | 6  | 5   |
| G73020.0004 | G73020.TM0501      | 21 | 14   | 11 | 8.5  | 5.5 | 8  | 1.5 | M5               | 6  | 5   |
| G73020.0006 | G73020.TM0601      | 21 | 14   | 11 | 8.5  | 5.5 | 8  | 1.5 | M6               | 6  | 5   |
| G73025.0001 | G73025.TM0401      | 26 | 16   | 12 | 10   | 6   | 10 | 1.5 | M8               | 7  | 6   |
| G73025.0002 | G73025.TM0501      | 26 | 16   | 12 | 10   | 6   | 10 | 1.5 | M5               | 7  | 6   |
| G73025.0007 | G73025.TM0601      | 26 | 16   | 12 | 10   | 6   | 10 | 1.5 | M6               | 7  | 7   |
| G73025.0010 | G73025.TM0801      | 26 | 16   | 12 | 10   | 6   | 10 | 1.5 | M8               | 7  | 8   |
| G73030.0001 | G73030.TM0501      | 30 | 23   | 15 | 13.5 | 9.5 | 12 | 2   | M5               | 13 | 12  |
| G73030.0004 | G73030.TM0601      | 30 | 23   | 15 | 13.5 | 9.5 | 12 | 2   | M6               | 10 | 12  |
| G73030.0008 | G73030.TM0801      | 30 | 23   | 15 | 13.5 | 9.5 | 12 | 2   | M8               | 16 | 14  |
| G73030.0012 | G73030.TM1001      | 30 | 23   | 15 | 13.5 | 9.5 | 12 | 2   | M10              | 16 | 14  |
| G73040.0005 | G73040.TM0501      | 41 | 30   | 16 | 19   | 11  | 12 | 3   | M5               | 13 | 21  |
| G73040.0009 | G73040.TM0601      | 41 | 30   | 16 | 19   | 11  | 12 | 3   | M6               | 10 | 21  |
| G73040.0014 | G73040.TM0801      | 41 | 30   | 16 | 19   | 11  | 12 | 3   | M8               | 14 | 22  |
| G73040.0023 | G73040.TM1001      | 41 | 30   | 17 | 19   | 11  | 12 | 3   | M10              | 13 | 26  |
| G73040.0029 | G73 0 4 0 .TM12 01 | 41 | 30   | 17 | 19   | 11  | 12 | 3   | M12              | 11 | 30  |
| G73050.0003 | G73050.TM0601      | 50 | 34.5 | 20 | 21.5 | 13  | 20 | 3   | M6               | 10 | 39  |
| G73050.0004 | G73050.TM0801      | 50 | 34.5 | 20 | 21.5 | 13  | 20 | 3   | M8               | 14 | 40  |
| G73050.0008 | G73050.TM1001      | 50 | 34.5 | 20 | 21.5 | 13  | 20 | 3   | M10              | 13 | 45  |
| G73050.0011 | G73050.TM1201      | 50 | 34.5 | 20 | 21.5 | 13  | 20 | 3   | M12              | 17 | 45  |
| G73060.0003 | G73060.TM0801      | 59 | 40   | 23 | 25   | 15  | 24 | 4   | M8               | 15 | 60  |
| G73060.0006 | G73060.TM1001      | 59 | 40   | 23 | 25   | 15  | 24 | 4   | M10              | 14 | 62  |
| G73060.0012 | G73060.TM1201      | 59 | 40   | 23 | 25   | 15  | 24 | 4   | M12              | 18 | 67  |
| G73060.0016 | G73060.TM1401      | 59 | 40   | 23 | 25   | 15  | 24 | 4   | M14              | 19 | 70  |
| G73060.0018 | G73060.TM1601      | 59 | 40   | 23 | 25   | 15  | 24 | 4   | (*) M16          | 17 | 82  |
| G73080.0013 | G73080.TM1001      | 79 | 41   | 30 | 24   | 17  | 21 | 3   | M10              | 14 | 88  |
| G73080.0015 | G73 0 8 0 .TM12 01 | 79 | 41   | 30 | 24   | 17  | 21 | 3   | M12              | 16 | 88  |
| G73080.0018 | G73080.TM1401      | 79 | 41   | 30 | 24   | 17  | 21 | 3   | M14              | 19 | 97  |
| G73080.0019 | G73 0 8 0 .TM16 01 | 79 | 41   | 30 | 24   | 17  | 21 | 3   | (*) M16          | 17 | 109 |
| G73080.0023 | G73080.TM2001      | 79 | 41   | 30 | 24   | 17  | 21 | 3   | (*) M20          | 16 | 115 |

# G731

## 4-LOBEHANDWHEEL WITH THREADED THROUGH INSERT



### Materials:

Reinforcedpolyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Inserts:

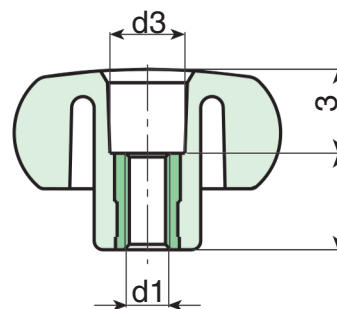
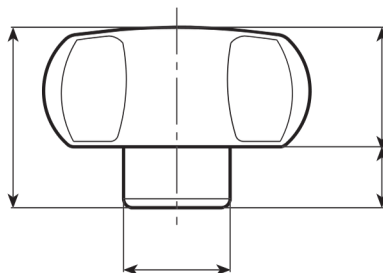
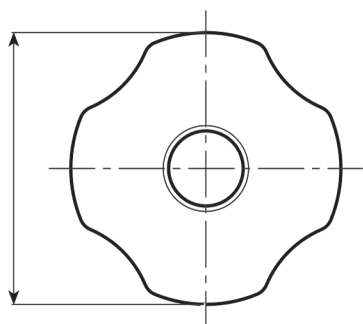
Brassinsertwith threaded through hole (thread tolerance 6H).

(\*) Galvanised steel insert with threaded through hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.

- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.          | D  | H  | d    | c    | m   | d3   | h3   | d1 <sub>6H</sub> | Q    | g   |
|-------------|---------------|----|----|------|------|-----|------|------|------------------|------|-----|
| G73120.0001 | G73120.TM0401 | 21 | 14 | 11   | 8.5  | 5.5 | 8    | 4.5  | M4               | 9.5  | 4   |
| G73120.0002 | G73120.TM0501 | 21 | 14 | 11   | 8.5  | 5.5 | 8    | 7.5  | M5               | 6.5  | 5   |
| G73120.0003 | G73120.TM0601 | 21 | 14 | 11   | 8.5  | 5.5 | 8    | 7.5  | M6               | 6.5  | 5   |
| G73125.0002 | G73125.TM0401 | 26 | 16 | 12   | 10   | 6   | 9    | 7.5  | M4               | 8.5  | 5   |
| G73125.0003 | G73125.TM0501 | 26 | 16 | 12   | 10   | 6   | 9    | 9.5  | M5               | 6.5  | 6   |
| G73125.0005 | G73125.TM0601 | 26 | 16 | 12   | 10   | 6   | 9    | 9.5  | M6               | 6.5  | 6   |
| G73125.0006 | G73125.TM0801 | 26 | 16 | 12   | 10   | 6   | 10.5 | 1.5  | M8               | 14.5 | 10  |
| G73130.0001 | G73130.TM0501 | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 8.5  | M5               | 14.5 | 11  |
| G73130.0002 | G73130.TM0601 | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 8.5  | M6               | 14.5 | 11  |
| G73130.0005 | G73130.TM0801 | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 8.5  | M8               | 14.5 | 12  |
| G73130.0007 | G73130.TM1001 | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 8.5  | M10              | 14.5 | 13  |
| G73140.0010 | G73140.TM0601 | 41 | 30 | 16   | 19   | 11  | 13   | 11.5 | M6               | 18   | 21  |
| G73140.0014 | G73140.TM0801 | 41 | 30 | 16   | 19   | 11  | 13   | 11.5 | M8               | 18   | 21  |
| G73140.0022 | G73140.TM1001 | 41 | 30 | 17   | 19   | 11  | 13   | 11.5 | M10              | 18   | 23  |
| G73140.0025 | G73140.TM1201 | 41 | 30 | 21   | 19   | 11  | 13   | 11.5 | M12              | 18   | 26  |
| G73150.0002 | G73150.TM0601 | 49 | 32 | 20.5 | 21.5 | 11  | 13.5 | 14.5 | M6               | 18   | 37  |
| G73150.0003 | G73150.TM0801 | 49 | 32 | 20.5 | 21.5 | 11  | 13.5 | 14.5 | M8               | 18   | 38  |
| G73150.0004 | G73150.TM1001 | 49 | 32 | 20.5 | 21.5 | 11  | 13.5 | 14.5 | M10              | 18   | 39  |
| G73150.0008 | G73150.TM1201 | 49 | 32 | 20.5 | 21.5 | 11  | 13.5 | 14.5 | M12              | 18   | 40  |
| G73160.0001 | G73160.TM0801 | 59 | 40 | 23   | 25   | 15  | 20   | 22   | M8               | 18   | 54  |
| G73160.0004 | G73160.TM1001 | 59 | 40 | 23   | 25   | 15  | 20   | 22   | M10              | 18   | 55  |
| G73160.0006 | G73160.TM1201 | 59 | 40 | 23   | 25   | 15  | 20   | 22   | M12              | 18   | 55  |
| G73160.0008 | G73160.TM1401 | 59 | 40 | 23   | 25   | 15  | 20   | 22   | M14              | 18   | 56  |
| G73180.0004 | G73180.TM1001 | 79 | 41 | 30   | 24   | 17  | 20   | 23   | M10              | 18   | 82  |
| G73180.0006 | G73180.TM1201 | 79 | 41 | 30   | 24   | 17  | 20   | 23   | M12              | 18   | 79  |
| G73180.0007 | G73180.TM1401 | 79 | 41 | 30   | 24   | 17  | 20   | 23   | M14              | 18   | 80  |
| G73180.0008 | G73180.TM1601 | 79 | 41 | 30   | 24   | 17  | 21   | 15   | (*)M16           | 26   | 102 |

# G732

## 4-LOBEHANDWHEEL WITH THREADED STUD



### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

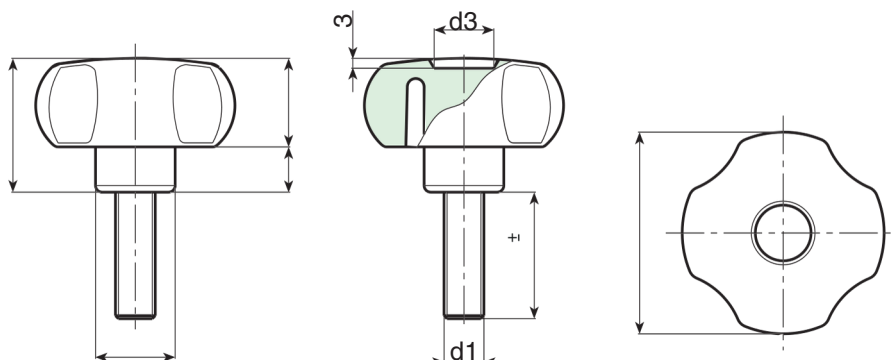
Black (RAL9011).

### Inserts:

Galvanised steel threaded stud (thread tolerance 6g).

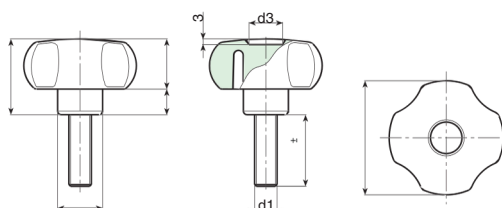
### Special requests:

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.             | D  | H  | d  | c   | m   | d3 | h3  | LM | d1 <sub>6g</sub> | Q  | g   |
|-------------|------------------|----|----|----|-----|-----|----|-----|----|------------------|----|-----|
| G73220.0006 | G73220.TM04X1001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M4               | 10 | 4   |
| G73220.0009 | G73220.TM04X1601 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M4               | 16 | 4,5 |
| G73220.0010 | G73220.TM04X2001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M4               | 20 | 5   |
| G73220.0016 | G73220.TM05X1001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M5               | 10 | 6   |
| G73220.0019 | G73220.TM05X1601 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M5               | 16 | 6,5 |
| G73220.0020 | G73220.TM05X2001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M5               | 20 | 7   |
| G73220.0024 | G73220.TM05X3001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M5               | 30 | 8   |
| G73220.0033 | G73220.TM06X1001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M6               | 10 | 6,5 |
| G73220.0037 | G73220.TM06X1601 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M6               | 16 | 7,5 |
| G73220.0039 | G73220.TM06X2001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M6               | 20 | 8   |
| G73220.0041 | G73220.TM06X3001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M6               | 30 | 9,5 |
| G73220.0043 | G73220.TM06X4001 | 21 | 14 | 11 | 8.5 | 5.5 | 8  | 1.5 | 50 | M6               | 40 | 11  |
| G73225.0014 | G73225.TM05X1001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M5               | 10 | 8   |
| G73225.0016 | G73225.TM05X1601 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M5               | 16 | 8,5 |
| G73225.0017 | G73225.TM05X2001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M5               | 20 | 9   |
| G73225.0019 | G73225.TM05X2501 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M5               | 25 | 9,5 |
| G73225.0030 | G73225.TM06X1001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M6               | 10 | 10  |
| G73225.0035 | G73225.TM06X1601 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M6               | 16 | 11  |
| G73225.0038 | G73225.TM06X2001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M6               | 20 | 13  |
| G73225.0043 | G73225.TM06X2501 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M6               | 25 | 14  |
| G73225.0044 | G73225.TM06X3001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 95 | M6               | 30 | 15  |
| G73225.0056 | G73225.TM08X1601 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 90 | M8               | 16 | 14  |
| G73225.0058 | G73225.TM08X2001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 90 | M8               | 20 | 16  |
| G73225.0063 | G73225.TM08X3001 | 26 | 16 | 12 | 10  | 6   | 10 | 1.5 | 90 | M8               | 30 | 20  |

## 4-LOBE HANDWHEEL WITH THREADED STUD



| Code            | art.                    | D  | H  | d    | c    | m   | d3   | h3  | LM  | d1 <sub>6g</sub> | Q | g   |
|-----------------|-------------------------|----|----|------|------|-----|------|-----|-----|------------------|---|-----|
| G73225.0 0 6 6  | G73225.TM08X4001        | 26 | 16 | 12   | 10   | 6   | 10   | 1.5 | 90  | M8               | 4 | 24  |
| G7323 0.0 0 0 8 | G73230.TM05X2001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M5               | 0 | 13  |
| G7323 0.0 0 10  | G7323 0.TM 0 5X3 0 0 1  | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M5               | 2 | 14  |
| G7323 0.0 0 18  | G73230.TM06X1001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 0 | 14  |
| G7323 0.0 0 24  | G7323 0.TM 0 6X16 0 1   | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 3 | 15  |
| G7323 0.0 0 25  | G73230.TM06X2001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 0 | 16  |
| G73230.0038     | G73230.TM06X3001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 1 | 18  |
| G7323 0.0 0 47  | G73230.TM06X4001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 0 | 20  |
| G73230.0051     | G7323 0.TM 0 6X 5 0 0 1 | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M6               | 1 | 22  |
| G73230.0066     | G7323 0.TM 0 8X16 0 1   | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M8               | 6 | 20  |
| G73230.0068     | G73230.TM08X2001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M8               | 2 | 22  |
| G7323 0.0 0 78  | G73230.TM08X3001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M8               | 0 | 25  |
| G7323 0.0 0 86  | G73230.TM08X4001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M8               | 3 | 28  |
| G7323 0.0 0 93  | G7323 0.TM 0 8X5 0 0 1  | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M8               | 0 | 31  |
| G7323 0.0 10 6  | G73230.TM10X2001        | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M10              | 4 | 25  |
| G 7323 0.0 114  | G7323 0.TM10X 5 0 0 1   | 30 | 23 | 15   | 13.5 | 9.5 | 12   | 2   | 90  | M10              | 0 | 43  |
| G 7324 0.0 0 11 | G7324 0.TM 0 6X10 0 1   | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M6               | 5 | 23  |
| G7324 0.0 0 13  | G7324 0.TM 0 6X16 0 1   | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M6               | 0 | 24  |
| G7324 0.0 0 15  | G7324 0.TM 0 6X 2 0 0 1 | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M6               | 1 | 26  |
| G73240.0022     | G7324 0.TM 0 6X3 0 0 1  | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M6               | 6 | 28  |
| G7324 0.0 0 27  | G7324 0.TM 0 6X4 0 0 1  | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M6               | 2 | 30  |
| G7324 0.0 0 57  | G7324 0.TM 0 8X16 0 1   | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M8               | 0 | 28  |
| G73240.0061     | G7324 0.TM 0 8X 2 0 0 1 | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M8               | 3 | 31  |
| G7324 0.0 0 82  | G7324 0.TM 0 8X3 0 0 1  | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M8               | 0 | 34  |
| G7324 0.0 0 94  | G7324 0.TM 0 8X4 0 0 1  | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M8               | 4 | 37  |
| G 7324 0.0 10 2 | G7324 0.TM 0 8X 5 0 0 1 | 41 | 30 | 16   | 19   | 11  | 12   | 3   | 100 | M8               | 0 | 40  |
| G 7324 0.0 159  | G7324 0.TM10X 2 0 0 1   | 41 | 30 | 17   | 19   | 11  | 12   | 3   | 100 | M10              | 5 | 38  |
| G 7324 0.0 16 8 | G7324 0.TM10X3 0 0 1    | 41 | 30 | 17   | 19   | 11  | 12   | 3   | 100 | M10              | 0 | 43  |
| G73250.0009     | G73250.TM06X2001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M6               | 2 | 43  |
| G73250.0024     | G73250.TM08X1601        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 0 | 49  |
| G73250.0025     | G73250.TM08X2001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 5 | 51  |
| G7325 0.0 0 36  | G73250.TM08X3001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 0 | 54  |
| G73250.0043     | G73250.TM08X4001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 1 | 57  |
| G73250.0047     | G73250.TM08X5001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 0 | 60  |
| G73250.0051     | G73250.TM08X6001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M8               | 1 | 64  |
| G7325 0.0 0 89  | G73250.TM10X2001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M10              | 6 | 58  |
| G73250.0103     | G73250.TM10X3001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M10              | 2 | 63  |
| G73250.0113     | G73250.TM10X4001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M10              | 0 | 68  |
| G732 5 0.0 12 0 | G73250.TM10X5001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M10              | 3 | 72  |
| G732 5 0.0 12 5 | G73250.TM10X6001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M10              | 0 | 77  |
| G73250.0147     | G73250.TM12X3001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M12              | 4 | 77  |
| G 732 5 0.0 152 | G73250.TM12X5001        | 49 | 32 | 20.5 | 21.5 | 11  | 14.5 | 2.5 | 120 | M12              | 0 | 90  |
| G73260.0003     | G7326 0.TM 0 8X16 0 1   | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M8               | 1 | 81  |
| G73260.0004     | G73260.TM08X2001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M8               | 6 | 81  |
| G73260.0008     | G73260.TM08X3001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M8               | 2 | 81  |
| G7326 0.0 0 10  | G73260.TM08X4001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M8               | 0 | 81  |
| G7326 0.0 0 12  | G73260.TM08X5001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M8               | 3 | 81  |
| G7326 0.0 0 29  | G73260.TM10X2001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M10              | 0 | 79  |
| G73260.0034     | G73260.TM10X3001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M10              | 4 | 84  |
| G7326 0.0 0 49  | G73260.TM10X6001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M10              | 0 | 100 |
| G73260.0068     | G7326 0.TM12 X 2 5 0 1  | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M12              | 5 | 94  |
| G7326 0.0 0 71  | G73260.TM12X3001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M12              | 0 | 97  |
| G7326 0.0 0 76  | G73260.TM12X4001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M12              | 2 | 104 |
| G73260.0080     | G73260.TM12X5001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M12              | 0 | 111 |
| G7326 0.0 0 85  | G73260.TM12X6001        | 59 | 40 | 23   | 25   | 15  | 24   | 4   | 120 | M12              | 3 | 119 |
| G7328 0.0 0 36  | G732 8 0.TM12 X 2 5 0 1 | 79 | 41 | 30   | 24   | 17  | 21   | 3   | 80  | M12              | 0 | 115 |
| G7328 0.0 0 45  | G7328 0.TM12 X5 0 0 1   | 79 | 41 | 30   | 24   | 17  | 21   | 3   | 80  | M12              | 2 | 135 |
| G73280.0046     | G732 8 0.TM12 X6 0 0 1  | 79 | 41 | 30   | 24   | 17  | 21   | 3   | 80  | M12              | 0 | 142 |

LM = Maximum mouldable length.  
Customised stud length available for a minimum of 100 pieces.

### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Inserts:

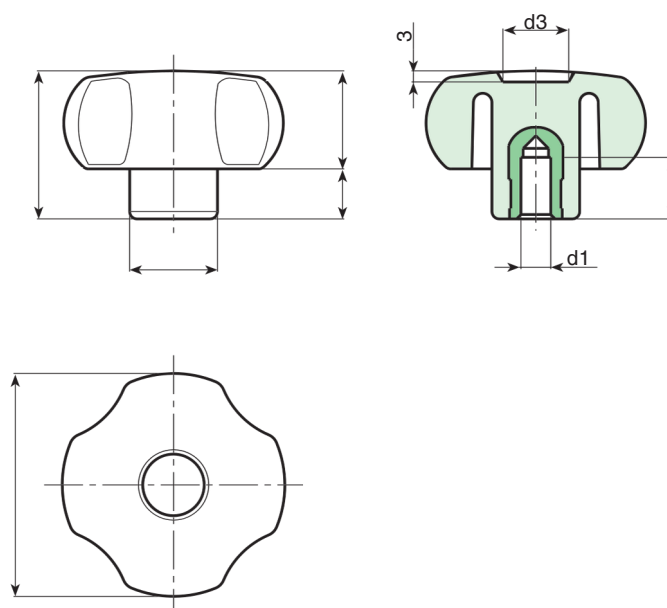
(\*) Brass insert with smooth blind hole (hole tolerance H7).

ATTENTION: hole cannot be widened.

(#) Galvanised steel insert with blind smooth hole (hole tolerance H10).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.          | D  | H    | d    | c    | m    | d3   | h3  | Dm | d1H7   | Q  | g   |
|-------------|---------------|----|------|------|------|------|------|-----|----|--------|----|-----|
| G73330.0002 | G73330.TD0601 | 30 | 23   | 15   | 13,5 | 9,5  | 12   | 2   | -  | (*) 06 | 15 | 16  |
| G73330.0005 | G73330.TD0801 | 30 | 23   | 15   | 13,5 | 9,5  | 12   | 2   | -  | (*) 08 | 15 | 17  |
| G73340.0004 | G73340.TD0601 | 41 | 30   | 16   | 19   | 11   | 12   | 3   | -  | (*) 06 | 15 | 24  |
| G73340.0005 | G73340.TD0801 | 41 | 30   | 16   | 19   | 11   | 12   | 3   | -  | (*) 08 | 15 | 28  |
| G73340.0006 | G73340.TD1001 | 41 | 30   | 16   | 19   | 11   | 12   | 3   | -  | (*) 10 | 15 | 30  |
| G73350.0001 | G73350.TD0601 | 49 | 32   | 20,5 | 21,5 | 11   | 14,5 | 2,5 | 12 | (#) 06 | 18 | 60  |
| G73350.0002 | G73350.TD0801 | 49 | 32   | 20,5 | 21,5 | 11   | 14,5 | 2,5 | 12 | (#) 08 | 18 | 62  |
| G73350.0003 | G73350.TD1001 | 49 | 32   | 20,5 | 21,5 | 11   | 14,5 | 2,5 | 12 | (#) 10 | 18 | 63  |
| G73360.0016 | G73360.TP0501 | 60 | 40,5 | 23   | 25   | 15,5 | 25   | 4   | 12 | (#) 05 | 18 | 90  |
| G73360.0002 | G73360.TD0801 | 60 | 40,5 | 23   | 25   | 15,5 | 25   | 4   | 12 | (#) 08 | 18 | 93  |
| G73360.0004 | G73360.TD1001 | 60 | 40,5 | 23   | 25   | 15,5 | 25   | 4   | 12 | (#) 10 | 18 | 96  |
| G73380.0025 | G73380.TP0501 | 79 | 41   | 30   | 24   | 17   | 21   | 3   | 18 | (#) 05 | 24 | 165 |
| G73380.0007 | G73380.TD0801 | 79 | 41   | 30   | 24   | 17   | 21   | 3   | 18 | (#) 08 | 24 | 159 |
| G73380.0012 | G73380.TD1201 | 79 | 41   | 30   | 24   | 17   | 21   | 3   | 18 | (#) 12 | 24 | 153 |

Attention: (#) for a minimum of 200 pieces the diameter d1 can be produced with the requested dimensions with H10 tolerance.  
Dm = Maximum obtainable diameter for subsequent machining (widening)

# G734



## 4-LOBE HANDWHEEL WITH ELONGATED HUB AND THREADED INSERT

### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

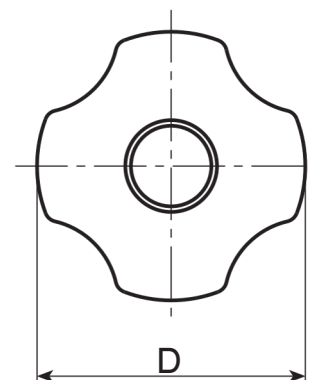
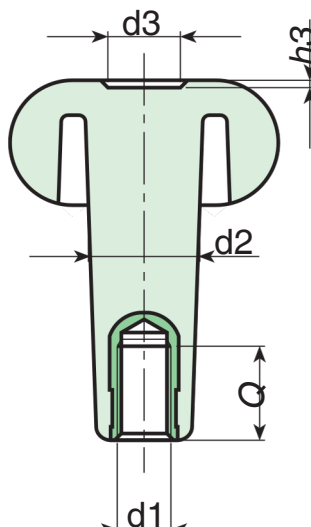
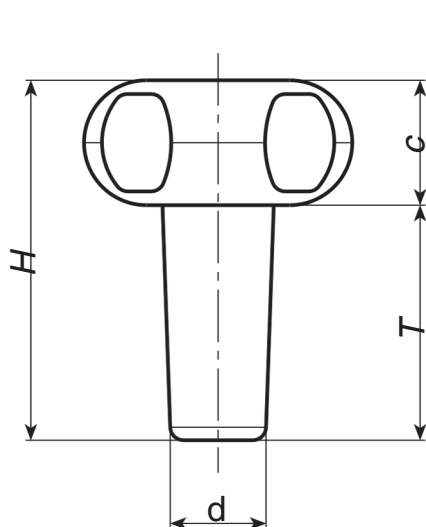
Black (RAL9011).

### Inserts:

Brass insert with female threaded hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities handwheels can be supplied with custom hubs.



| Code        | art.                   | D  | H    | T    | d    | c  | d2   | d3 | h3  | d1 <sub>6H</sub> | Q  | g   |
|-------------|------------------------|----|------|------|------|----|------|----|-----|------------------|----|-----|
| G73430.0004 | G73430.T25M0601        | 30 | 37.5 | 23.5 | 13.5 | 14 | 14.5 | 12 | 2   | M6               | 10 | 15  |
| G73430.0007 | G73430.T35M0601        | 30 | 47   | 33.5 | 13.5 | 14 | 15   | 12 | 2   | M6               | 16 | 16  |
| G73430.0008 | G73430.T35M0801        | 30 | 47   | 33.5 | 13.5 | 14 | 15   | 12 | 2   | M8               | 21 | 17  |
| G73440.0006 | G73440.T35M1001        | 41 | 54   | 35   | 16.5 | 19 | 17   | 12 | 3   | M10              | 15 | 30  |
| G73440.0007 | G73440.T66M0601        | 41 | 85   | 66   | 16.5 | 19 | 18   | 12 | 3   | M6               | 18 | 35  |
| G73450.0009 | G73450.T40M0801        | 52 | 61   | 39   | 17.5 | 22 | 19   | 14 | 2.5 | M8               | 15 | 47  |
| G73450.0010 | G 73 45 0 .T4 0 M10 01 | 52 | 61   | 39   | 17.5 | 22 | 19   | 14 | 2.5 | M10              | 15 | 49  |
| G73450.0011 | G73450.T50M0801        | 52 | 71   | 49   | 18   | 22 | 20.5 | 14 | 2.5 | M8               | 15 | 55  |
| G73450.0013 | G 73 45 0 .T5 0 M10 01 | 52 | 71   | 49   | 18   | 22 | 20.5 | 14 | 2.5 | M10              | 15 | 56  |
| G73450.0016 | G 73 45 0 .T6 0 M10 01 | 52 | 80   | 58   | 18   | 22 | 21   | 14 | 2.5 | M10              | 15 | 62  |
| G73460.0006 | G73460.T60M0801        | 59 | 83   | 58   | 23   | 25 | 24   | 24 | 4   | M8               | 21 | 91  |
| G73460.0007 | G73460.T60M1001        | 59 | 83   | 58   | 23   | 25 | 24   | 24 | 4   | M10              | 15 | 91  |
| G73460.0008 | G73460.T60M1201        | 59 | 83   | 58   | 23   | 25 | 24   | 24 | 4   | M12              | 21 | 96  |
| G73460.0011 | G73460.T80M0801        | 59 | 103  | 78   | 23   | 25 | 24   | 24 | 4   | M8               | 21 | 105 |
| G73460.0012 | G73460.T80M1001        | 59 | 103  | 78   | 23   | 25 | 24   | 24 | 4   | M10              | 15 | 104 |
| G73460.0014 | G73460.T80M1201        | 59 | 103  | 78   | 23   | 25 | 24   | 24 | 4   | M12              | 21 | 107 |

# G735



## 4-LOBE HANDWHEEL WITH ELONGATED HUB AND THREADED STUD

### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Inserts:

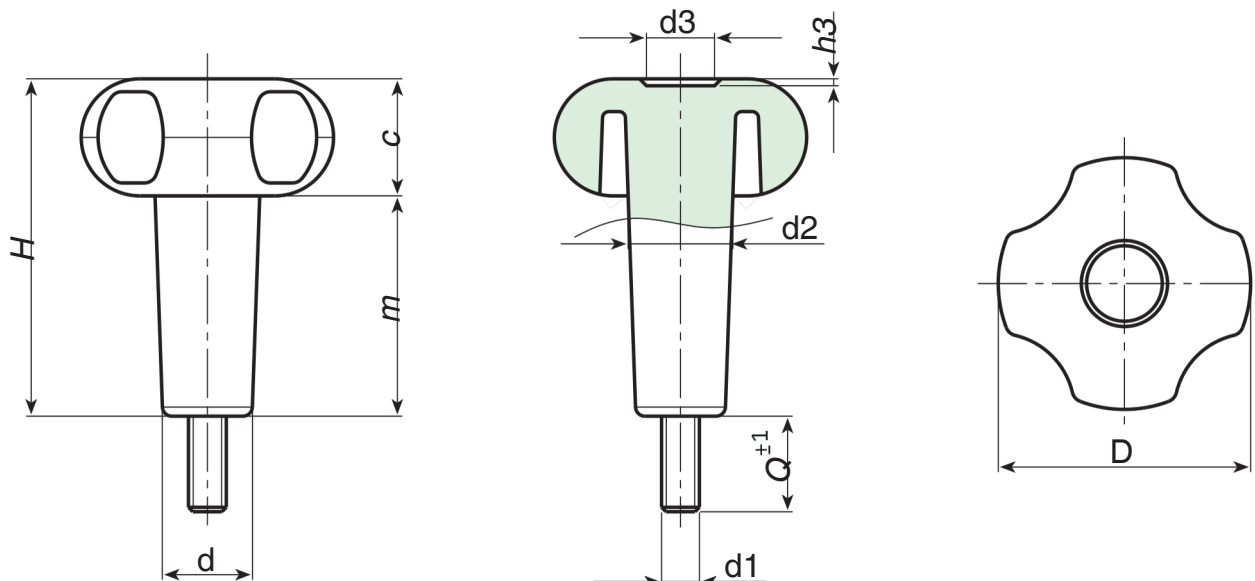
Galvanised steel threaded stud (thread tolerance 6g).

### Special requests:

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities handwheels can be supplied with custom hubs.



07



| Code        | art.               | D  | H  | m    | d    | c  | d2 | d3 | h3  | LM | d1 <sub>6g</sub> | Q  | g   |
|-------------|--------------------|----|----|------|------|----|----|----|-----|----|------------------|----|-----|
| G73530.0008 | G73530.T35M06X1501 | 30 | 47 | 33.5 | 13.5 | 14 | 15 | 12 | 2   | 65 | M6               | 15 | 23  |
| G73530.0013 | G73530.T35M08X3001 | 30 | 47 | 33.5 | 13.5 | 14 | 15 | 12 | 2   | 65 | M8               | 30 | 36  |
| G73540.0003 | G73540.T35M08X2001 | 41 | 54 | 35   | 16.5 | 19 | 17 | 12 | 3   | 80 | M8               | 20 | 49  |
| G73540.0013 | G73540.T35M10X1501 | 41 | 54 | 35   | 16.5 | 19 | 17 | 12 | 3   | 80 | M10              | 15 | 54  |
| G73550.0009 | G73550.T40M08X1501 | 52 | 61 | 39   | 17.5 | 22 | 19 | 14 | 2.5 | 90 | M8               | 15 | 60  |
| G73550.0028 | G73550.T40M10X4001 | 52 | 61 | 39   | 17.5 | 22 | 19 | 14 | 2.5 | 90 | M10              | 40 | 82  |
| G73550.0047 | G73550.T60M08X3001 | 52 | 80 | 58   | 18   | 22 | 21 | 14 | 2.5 | 70 | M8               | 30 | 86  |
| G73560.0018 | G73560.T60M10X4001 | 59 | 83 | 58   | 23   | 25 | 24 | 24 | 4   | 75 | M10              | 40 | 138 |

LM = Maximum mouldable length.

Customised stud length available for a minimum of 100 pieces.



# G745

# G746



## 4-LOBE HANDWHEEL WITH CAP WITH THREADED INSERT, BLIND AND THROUGH

### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL 9011).

### Central cap:

Grey polyamide (RAL 7035). 13.

### Alternative cap colours:

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Green (RAL 6024 code 17).

Red (RAL 3000 code 16).

Black (RAL 9011 code 01).

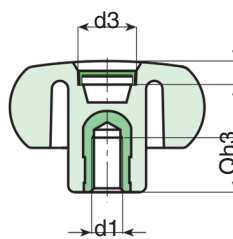
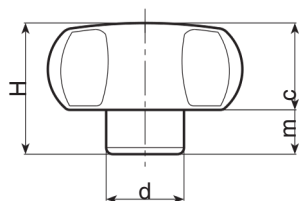
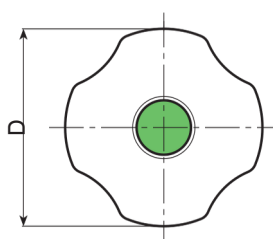
### Inserts:

G745: Brass insert with female threaded hole (thread tolerance 6H).

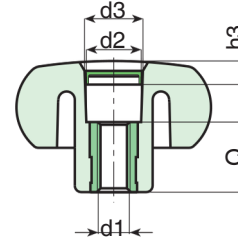
G746: Brass right through threaded bush (tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart on page .



G745



G746

Version G745: with blind insert

| Code        | art.          | D    | H    | d    | c    | m  | d3 | h3  | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|------|------|------|------|----|----|-----|------------------|----|----|
| G74540.0001 | G74540.TM0501 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M5               | 13 | 18 |
| G74540.0002 | G74540.TM0601 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M6               | 10 | 18 |
| G74540.0004 | G74540.TM0801 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M8               | 14 | 19 |
| G74540.0005 | G74540.TM1001 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M10              | 13 | 23 |
| G74540.0006 | G74540.TM1201 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M12              | 11 | 27 |
| G74550.0001 | G74550.TM0601 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M6               | 10 | 32 |
| G74550.0002 | G74550.TM0801 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M8               | 14 | 39 |
| G74550.0006 | G74550.TM1001 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M10              | 13 | 40 |
| G74550.0007 | G74550.TM1201 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M12              | 17 | 44 |
| G74560.0001 | G74560.TM0801 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M8               | 15 | 55 |
| G74560.0003 | G74560.TM1001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M10              | 14 | 57 |
| G74560.0004 | G74560.TM1201 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M12              | 18 | 62 |
| G74560.0011 | G74560.TM1401 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M14              | 19 | 65 |

Version G746: with through insert

| Code        | art.          | D    | H    | d    | c    | m  | d3 | h3  | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|------|------|------|------|----|----|-----|------------------|----|----|
| G74640.0001 | G74640.TM0501 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M5               | 18 | 17 |
| G74640.0003 | G74640.TM0601 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M6               | 18 | 17 |
| G74640.0007 | G74640.TM0801 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M8               | 18 | 18 |
| G74640.0011 | G74640.TM1001 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M10              | 18 | 22 |
| G74640.0012 | G74640.TM1201 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M12              | 18 | 26 |
| G74650.0002 | G74650.TM0601 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M6               | 18 | 31 |
| G74650.0003 | G74650.TM0801 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M8               | 18 | 38 |
| G74650.0005 | G74650.TM1001 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M10              | 18 | 39 |
| G74650.0006 | G74650.TM1201 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M12              | 18 | 43 |
| G74660.0001 | G74660.TM0801 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M8               | 18 | 54 |
| G74660.0002 | G74660.TM1001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M10              | 18 | 56 |
| G74660.0003 | G74660.TM1201 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M12              | 18 | 61 |
| G74660.0004 | G74660.TM1401 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M14              | 18 | 64 |

# G745

# G746



## 4-LOBE HANDWHEEL WITH CAP WITH THREADED INSERT, BLIND AND THROUGH

### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL 9011).

### Central cap:

Grey polyamide (RAL 7035). 13.

### Alternative cap colours:

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Green (RAL 6024 code 17).

Red (RAL 3000 code 16).

Black (RAL 9011 code 01).

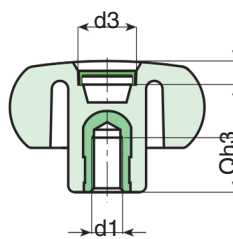
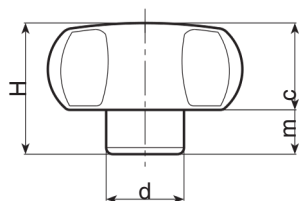
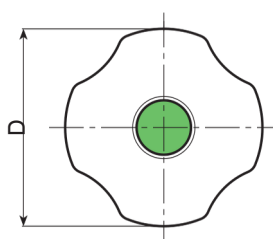
### Inserts:

G745: Brass insert with female threaded hole (thread tolerance 6H).

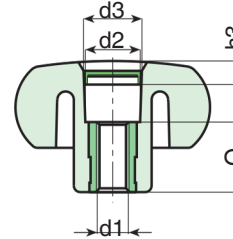
G746: Brass right through threaded bush (tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart on page .



G745



G746

Version G745: with blind insert

| Code        | art.          | D    | H    | d    | c    | m  | d3 | h3  | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|------|------|------|------|----|----|-----|------------------|----|----|
| G74540.0001 | G74540.TM0501 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M5               | 13 | 18 |
| G74540.0002 | G74540.TM0601 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M6               | 10 | 18 |
| G74540.0004 | G74540.TM0801 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M8               | 14 | 19 |
| G74540.0005 | G74540.TM1001 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M10              | 13 | 23 |
| G74540.0006 | G74540.TM1201 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M12              | 11 | 27 |
| G74550.0001 | G74550.TM0601 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M6               | 10 | 32 |
| G74550.0002 | G74550.TM0801 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M8               | 14 | 39 |
| G74550.0006 | G74550.TM1001 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M10              | 13 | 40 |
| G74550.0007 | G74550.TM1201 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M12              | 17 | 44 |
| G74560.0001 | G74560.TM0801 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M8               | 15 | 55 |
| G74560.0003 | G74560.TM1001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M10              | 14 | 57 |
| G74560.0004 | G74560.TM1201 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M12              | 18 | 62 |
| G74560.0011 | G74560.TM1401 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M14              | 19 | 65 |

Version G746: with through insert

| Code        | art.          | D    | H    | d    | c    | m  | d3 | h3  | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|------|------|------|------|----|----|-----|------------------|----|----|
| G74640.0001 | G74640.TM0501 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M5               | 18 | 17 |
| G74640.0003 | G74640.TM0601 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M6               | 18 | 17 |
| G74640.0007 | G74640.TM0801 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M8               | 18 | 18 |
| G74640.0011 | G74640.TM1001 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M10              | 18 | 22 |
| G74640.0012 | G74640.TM1201 | 40.5 | 29.5 | 17   | 18.5 | 11 | 20 | 7.5 | M12              | 18 | 26 |
| G74650.0002 | G74650.TM0601 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M6               | 18 | 31 |
| G74650.0003 | G74650.TM0801 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M8               | 18 | 38 |
| G74650.0005 | G74650.TM1001 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M10              | 18 | 39 |
| G74650.0006 | G74650.TM1201 | 49   | 32   | 20.5 | 21.5 | 11 | 20 | 7.5 | M12              | 18 | 43 |
| G74660.0001 | G74660.TM0801 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M8               | 18 | 54 |
| G74660.0002 | G74660.TM1001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M10              | 18 | 56 |
| G74660.0003 | G74660.TM1201 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M12              | 18 | 61 |
| G74660.0004 | G74660.TM1401 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | M14              | 18 | 64 |

## 4-LOBE HANDWHEEL WITH CAP AND THREADED STUD

**Materials:**

Reinforced polyamide. Resistant to oils and greases.

**Surface finish:**

Satin.

**Colour:**

Black (RAL 9011).

**Central cap:**

Grey polyamide (RAL 7035). 13).

**Alternative cap colours:**

Orange (RAL 2004 code 02).

Blue (RAL 5015 code 07).

Yellow (RAL 1021 code 10).

Green (RAL 6024 code 17).

Red (RAL 3000 code 16).

Black (RAL 9011 code 01).

**Inserts:**

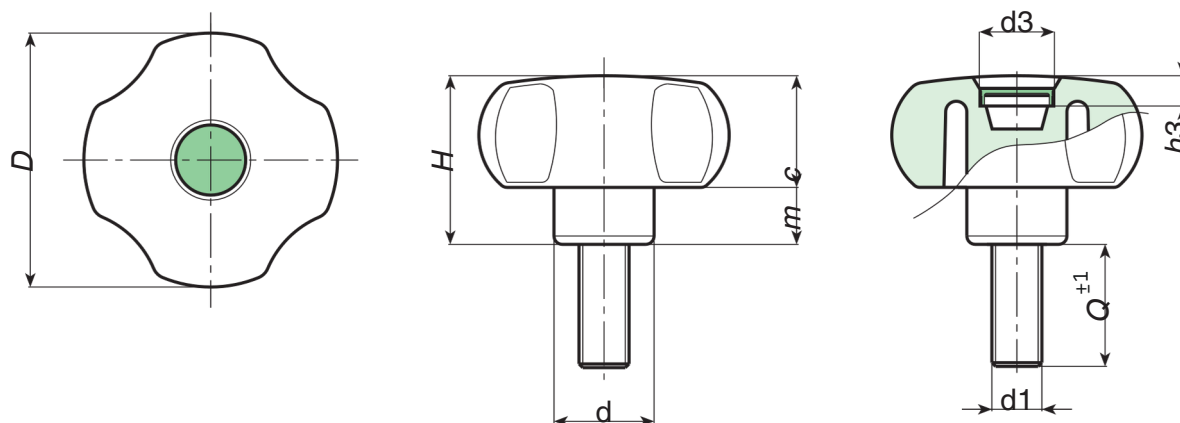
Galvanised steel threaded stud (thread tolerance 6g).

**Special requests:**

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



07



| Code        | art.             | D    | H    | d    | c    | m  | d3 | h3  | LM  | d1 <sub>6H</sub> | Q | g |
|-------------|------------------|------|------|------|------|----|----|-----|-----|------------------|---|---|
| G74740.0003 | G74740.TM06X3001 | 40.5 | 29.5 | 15.5 | 18.5 | 11 | 20 | 7.5 | 100 | M6               | 3 | - |
| G74740.0016 | G74740.TM08X2001 | 40.5 | 29.5 | 15   | 18.5 | 11 | 20 | 7.5 | 100 | M8               | 0 | - |
| G74760.0003 | G74760.TM08X3001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | 120 | M8               | 2 | - |
| G74760.0005 | G74760.TM10X3001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | 120 | M10              | 0 | - |
| G74760.0015 | G74760.TM12X3001 | 59   | 40   | 23   | 25   | 15 | 22 | 7.5 | 120 | M12              | 3 | - |

LM = Maximum mouldable length.

A.R. = Customised stud length available for a minimum of 150 pieces.

# G791

## CYLINDRICAL HANDWHEEL WITH THREADED INSERT



### Materials:

Reinforced polyamide. Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

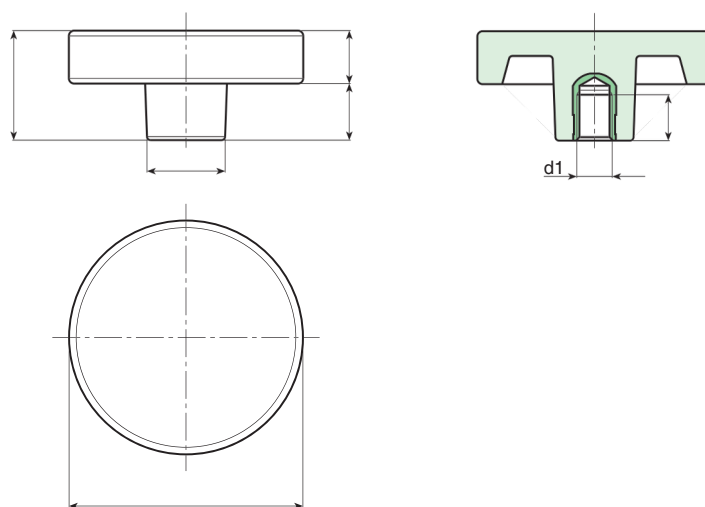
Black (RAL9011).

### Inserts:

Brass insert with female threaded hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.          | D    | H    | d  | c    | m  | d1 <sub>6H</sub> | Q   | g  |
|-------------|---------------|------|------|----|------|----|------------------|-----|----|
| G79136.0004 | G79136.TM0601 | 36,5 | 18,5 | 18 | 16,5 | 2  | M6               | 8   | 19 |
| G79136.0006 | G79136.TM0801 | 36,5 | 18,5 | 18 | 16,5 | 2  | M8               | 6   | 19 |
| G79136.0008 | G79136.TM1001 | 36,5 | 18,5 | 18 | 16,5 | 2  | M10              | 5,5 | 20 |
| G79150.0003 | G79150.TM0801 | 50   | 30   | 22 | 15   | 15 | M8               | 15  | 35 |
| G79150.0005 | G79150.TM1001 | 50   | 30   | 22 | 15   | 15 | M10              | 14  | 36 |
| G79150.0007 | G79150.TM1201 | 50   | 30   | 22 | 15   | 15 | M12              | 18  | 40 |
| G79166.0001 | G79166.TM0801 | 66   | 30   | 22 | 15   | 15 | M8               | 15  | 52 |
| G79166.0002 | G79166.TM1001 | 66   | 30   | 22 | 15   | 15 | M10              | 14  | 55 |
| G79166.0004 | G79166.TM1201 | 66   | 30   | 22 | 15   | 15 | M12              | 18  | 58 |
| G79166.0006 | G79166.TM1401 | 66   | 30   | 22 | 15   | 15 | M14              | 19  | 60 |

## CYLINDRICAL HANDWHEEL WITH SMOOTH HOLE INSERT

### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Inserts:

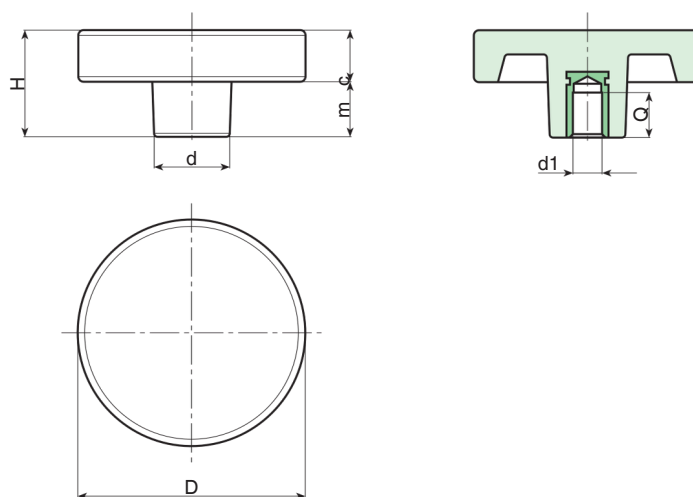
Galvanised steel insert with smooth through bore (tolerance H10).

### Special requests:

- Upon request and for special quantities inserts can be supplied with custom hole diameter  $d_1$ .
- Upon request and for special quantities inserts can be supplied in different materials/with different coatings.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



07



| Code        | art.          | D  | H  | d  | c  | m  | Dm | d1 <sub>H10</sub> | Q  |    |
|-------------|---------------|----|----|----|----|----|----|-------------------|----|----|
| G79250.0001 | G79250.TD0601 | 50 | 30 | 22 | 15 | 15 | 12 | 06                | 20 | 62 |
| G79266.0001 | G79266.TD1001 | 65 | 30 | 22 | 15 | 15 | 12 | 10                | 20 | 78 |

Attention: for a minimum of 200 pieces the diameter  $d_1$  can be produced with the requested dimensions with H10 tolerance.  
Dm = Maximum obtainable diameter for subsequent machining (widening)

# G793

## CYLINDRICAL HANDWHEEL WITH THREADED STUD



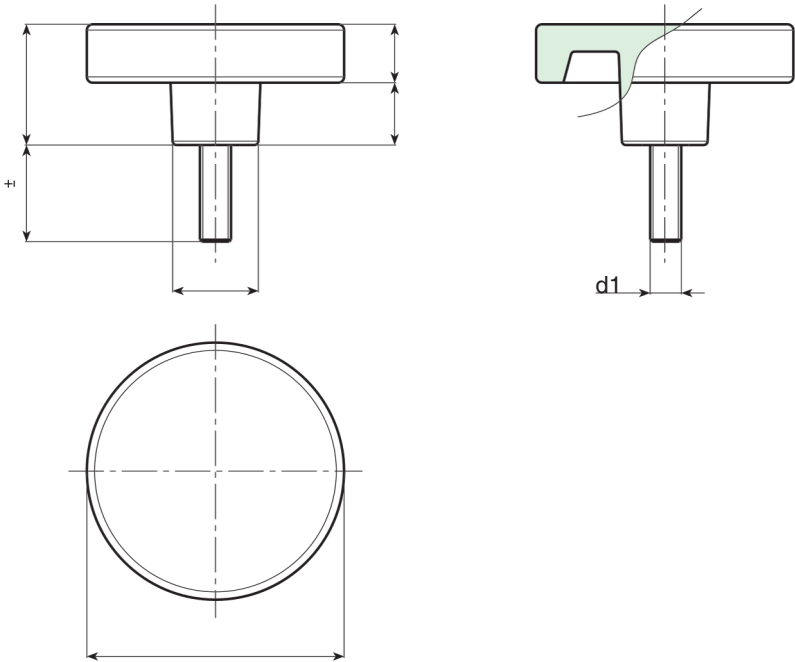
**Materials:**  
Reinforced polyamide.  
Resistant to oils and greases.  
**Surface finish:**  
Satin.

**Colour:**  
Black (RAL9011).  
**Inserts:**

Galvanisedsteelthreaded stud (thread tolerance 6g).

**Special requests:**

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page ].



| Code        | art.             | D    | H    | d  | c    | m  | LM | d1 <sub>6g</sub> | Q | g  |
|-------------|------------------|------|------|----|------|----|----|------------------|---|----|
| G79336.0010 | G79336.TM06X3001 | 36,5 | 18,5 | 18 | 16,5 | 2  | 50 | M6               | 3 | 20 |
| G79336.0027 | G79336.TM08X3001 | 36,5 | 18,5 | 18 | 16,5 | 2  | 50 | M8               | 0 | 27 |
| G79336.0051 | G79336.TM10X4001 | 36,5 | 18,5 | 18 | 16,5 | 2  | 50 | M10              | 3 | 42 |
| G79350.0010 | G79350.TM08X2501 | 50   | 30   | 22 | 15   | 15 | 60 | M8               | 0 | 44 |
| G79350.0016 | G79350.TM10X2501 | 50   | 30   | 22 | 15   | 15 | 60 | M10              | 4 | 51 |
| G79350.0024 | G79350.TM12X3001 | 50   | 30   | 22 | 15   | 15 | 60 | M12              | 0 | 80 |
| G79366.0004 | G79366.TM08X1501 | 65   | 30   | 22 | 15   | 15 | 60 | M8               | 2 | 58 |
| G79366.0008 | G79366.TM10X5001 | 65   | 30   | 22 | 15   | 15 | 60 | M10              | 5 | 80 |
| G79366.0011 | G79366.TM12X2501 | 65   | 30   | 22 | 15   | 15 | 60 | M12              | 2 | 97 |

LM = Maximum mouldable length.  
Customised stud lengths available for a minimum of 150 pieces.

# G794

## KNOBWITH THREADED INSERT



### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

Black (RAL9011).

### Inserts:

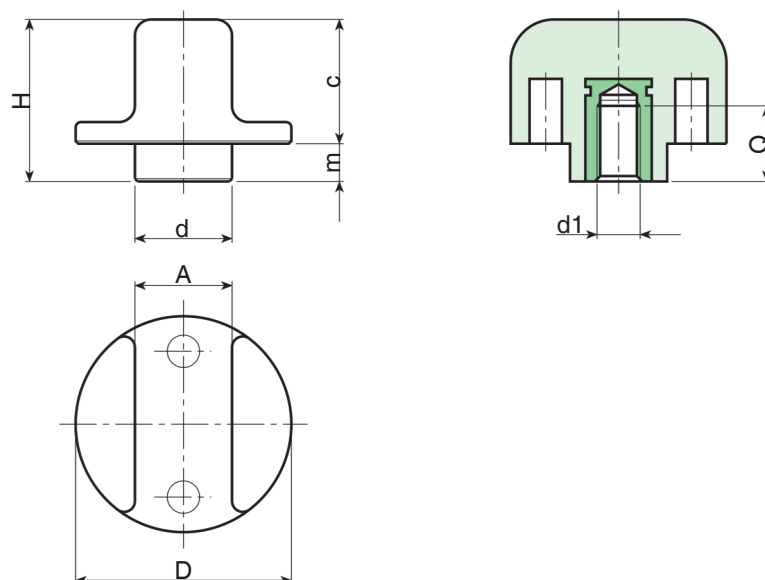
Brassinsertwithfemale threaded hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



07



| Code        | art.                 | D  | H  | d  | A  | c  | m | d1 <sub>6H</sub> | Q  | g  |
|-------------|----------------------|----|----|----|----|----|---|------------------|----|----|
| G79425.0001 | G79425.TM0501        | 25 | 20 | 12 | 10 | 15 | 5 | M5               | 11 | 8  |
| G79425.0003 | G79425.TM0601        | 25 | 20 | 12 | 10 | 15 | 5 | M6               | 9  | 9  |
| G79425.0005 | G79425.TM0801        | 25 | 20 | 12 | 10 | 15 | 5 | M8               | 8  | 10 |
| G79440.0001 | G79440.TM0801        | 40 | 30 | 18 | 18 | 22 | 7 | M8               | 15 | 25 |
| -           | G 795 4 0 . T M10 01 | 40 | 30 | 18 | 18 | 22 | 7 | M10              | 14 | 26 |
| G79440.0004 | G79440.TM1201        | 40 | 30 | 18 | 18 | 22 | 7 | M12              | 14 | 28 |

# G795

## KNOBWITH THREADED STUD



### Materials:

Reinforced polyamide.

Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

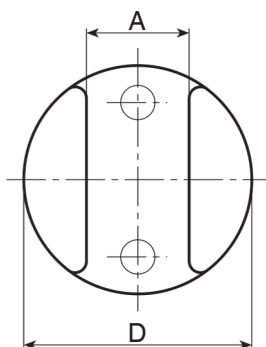
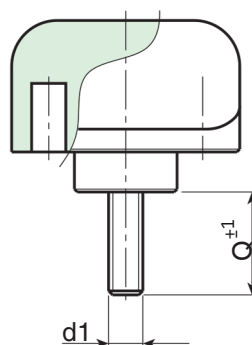
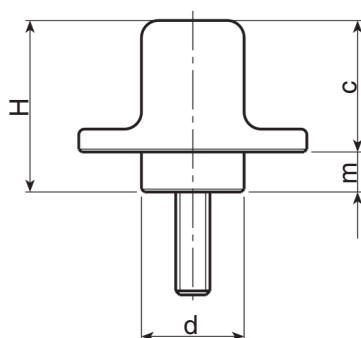
Black (RAL9011).

### Inserts:

Galvanised steel threaded stud (thread tolerance 6g).

### Special requests:

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.                   | D  | H  | d  | A  | c  | m | LM | d1 <sub>6g</sub> | Q  | g  |
|-------------|------------------------|----|----|----|----|----|---|----|------------------|----|----|
| G79525.0006 | G79525.TM05X1601       | 25 | 20 | 12 | 10 | 15 | 5 | 40 | M5               | 16 | 12 |
| G79525.0022 | G79525.TM06X3001       | 25 | 20 | 12 | 10 | 15 | 5 | 40 | M6               | 30 | 14 |
| G79525.0031 | G79525.TM08X2001       | 25 | 20 | 12 | 10 | 15 | 5 | 40 | M8               | 20 | 25 |
| G79540.0014 | G79540.TM08X3001       | 40 | 30 | 18 | 18 | 22 | 7 | 50 | M8               | 30 | 40 |
| G79540.0024 | G795 4 0 .TM10X3 0 01  | 40 | 30 | 18 | 18 | 22 | 7 | 50 | M10              | 30 | 43 |
| G79540.0032 | G795 4 0 .TM12 X4 0 01 | 40 | 30 | 18 | 18 | 22 | 7 | 50 | M12              | 40 | 67 |

Customised stud lengths available for a minimum of 150 pieces.  
LM = Maximum mouldable length.



# G796



## KNOBWITH THREADED INSERT

### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

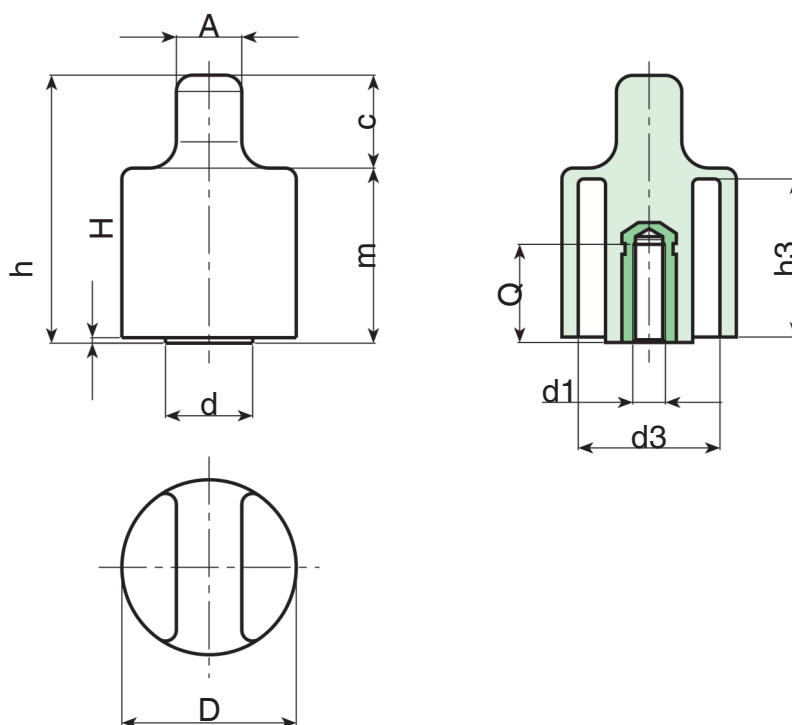
Black (RAL9011).

### Inserts:

Brassinsertwithfemale threaded hole (thread tolerance 6H).

### Special requests:

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.                | D  | H  | d  | A  | c  | m | h | h3 | d3   | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------------|----|----|----|----|----|---|---|----|------|------------------|----|----|
| G79632.0001 | G79632.TM0601       | 32 | 49 | 16 | 12 | 15 | 3 | 1 | 29 | 25.5 | M6               | 16 | 33 |
| G79632.0003 | G79632.TM0801       | 32 | 49 | 16 | 12 | 15 | 4 | 1 | 29 | 25.5 | M8               | 14 | 35 |
| G79632.0005 | G 796 3 2 .T M10 01 | 32 | 49 | 16 | 12 | 15 | 3 | 1 | 29 | 25.5 | M10              | 13 | 36 |

# G797

## KNOBWITH THREADED STUD

### Materials:

Reinforced polyamide.  
Resistant to oils and greases.

### Surface finish:

Satin.

### Colour:

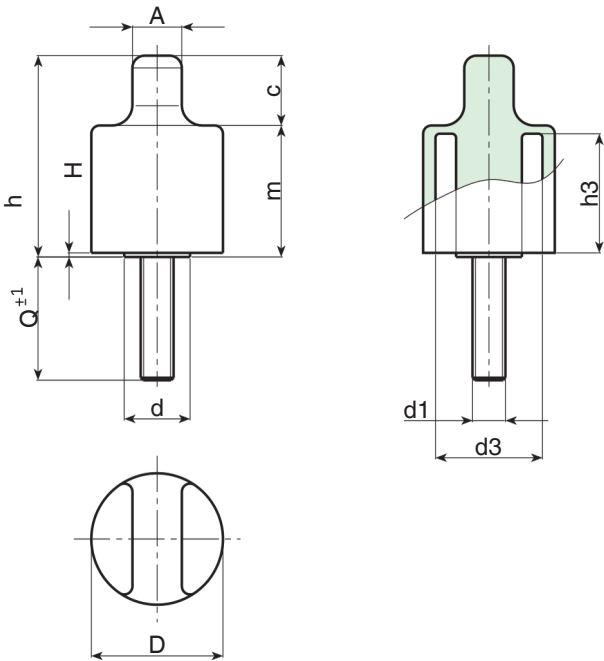
Black (RAL9011).

### Inserts:

Galvanisedsteelthreaded stud (thread tolerance 6g).

### Special requests:

- Upon request and for special quantities inserts can be supplied with customised lengths.
- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.             | D  | H  | d  | A  | c  | m | h | h3 | d3   | LM | d1 <sub>6g</sub> | Q  | g  |
|-------------|------------------|----|----|----|----|----|---|---|----|------|----|------------------|----|----|
| G79732.0002 | G79732.TM06X2001 | 32 | 49 | 16 | 12 | 15 | 3 | 1 | 29 | 25.5 | 60 | M6               | 20 | 37 |
| G79732.0005 | G79732.TM08X2501 | 32 | 49 | 16 | 12 | 15 | 4 | 1 | 29 | 25.5 | 60 | M8               | 25 | 43 |
| G79732.0011 | G79732.TM12X2001 | 32 | 49 | 16 | 12 | 15 | 3 | 1 | 29 | 25.5 | 60 | M12              | 20 | 59 |

Customised stud length available for a minimum of 250 pieces.  
LM = Maximum mouldable length.

# G798

## ELONGATED KNOB WITH THREADED INSERT



**Materials:**

Reinforced polyamide.  
Resistant to oils and greases.

**Surface finish:**

Satin.

**Colour:**

Black (RAL9011).

**Inserts:**

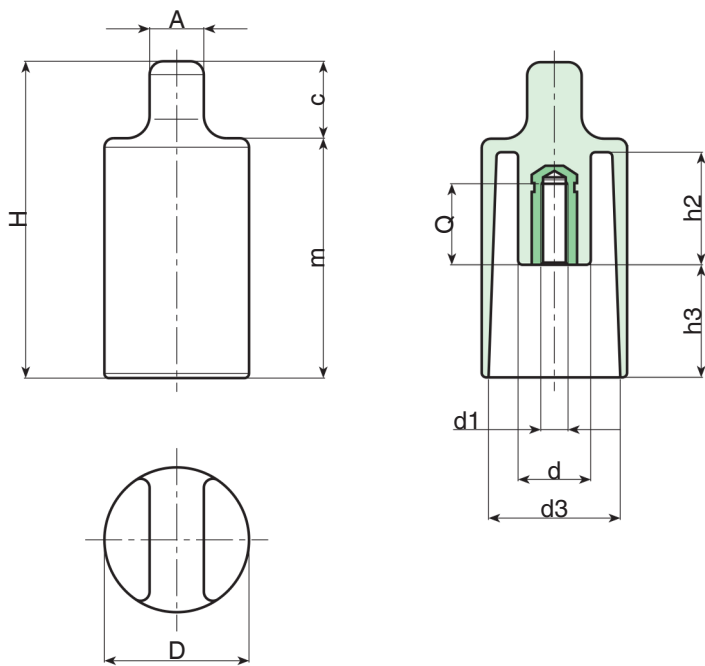
Brass insert with female threaded hole (thread tolerance 6H).

**Special requests:**

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



07



| Code        | art.          | D  | H  | d  | A  | c  | m | h2 | h3 | d3 | d1 <sub>6H</sub> | Q  | g  |
|-------------|---------------|----|----|----|----|----|---|----|----|----|------------------|----|----|
| G79832.0001 | G79832.TM0601 | 32 | 69 | 12 | 12 | 15 | 5 | 25 | 26 | 28 | M6               | 22 | 32 |
| G79832.0003 | G79832.TM0801 | 32 | 69 | 12 | 12 | 15 | 4 | 25 | 26 | 28 | M8               | 20 | 38 |

# G799

## ELONGATED KNOB WITH THREADED STUD

**Materials:**

Reinforced polyamide.  
Resistant to oils and greases.

**Surface finish:**

Satin.

**Colour:**

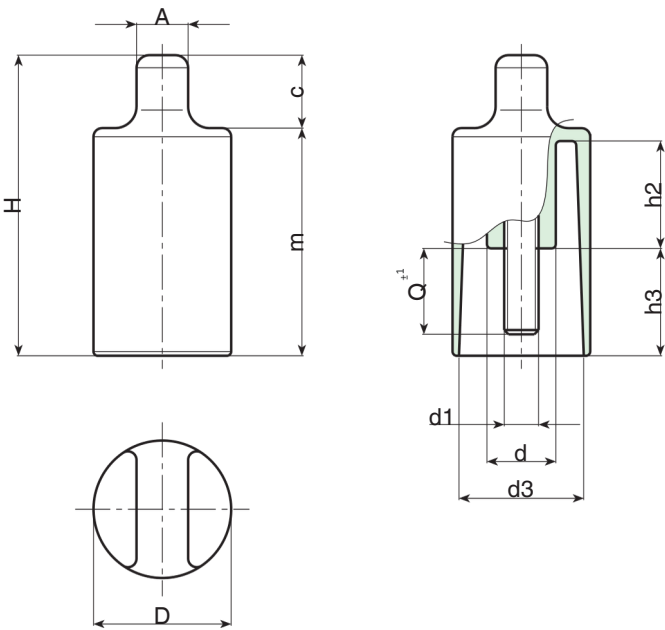
Black (RAL9011).

**Inserts:**

Galvanised steel threaded stud (thread tolerance 6g).

**Special requests:**

- Upon request and for special quantities inserts can be supplied in different materials.
- Upon request and for special quantities available in the colours indicated in the chart [page 959].



| Code        | art.             | D  | H  | d  | A  | c  | m | h2 | h3 | d3 | d1 <sub>6g</sub> | Q  | g |
|-------------|------------------|----|----|----|----|----|---|----|----|----|------------------|----|---|
| G79932.0001 | G79932.TM06X1601 | 32 | 69 | 12 | 12 | 15 | 5 | 25 | 26 | 28 | M6               | 16 | 4 |
| G79932.0004 | G79932.TM08X1601 | 32 | 69 | 12 | 12 | 15 | 4 | 25 | 26 | 28 | M8               | 16 | 0 |

5

4

8