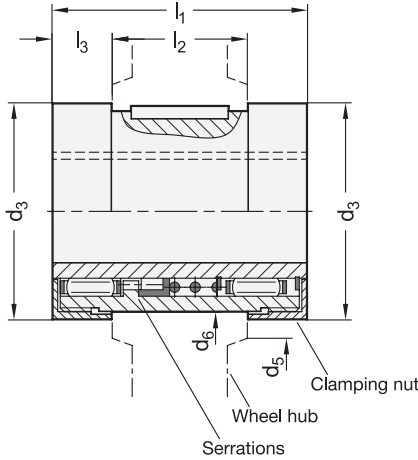
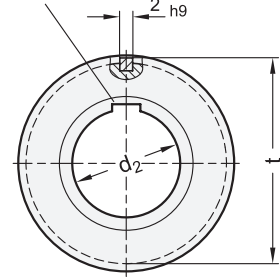


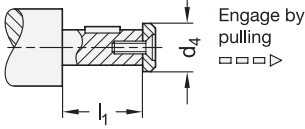
Keyway P9  
DIN 6885-2



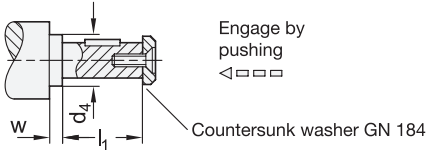
Metric



Shaft design



Engage by pulling  
□ □ □ □ ▷



Engage by pushing  
◁ □ □ □ □

**Metric table**

Dimensions in: millimeters / inches

| Nominal size | d <sub>1</sub><br>Handwheel Ø<br>GN 321<br>GN 322<br>GN 323 | d <sub>2</sub> H7<br>Bore with<br>keyway | d <sub>3</sub> | d <sub>4</sub><br>max.<br>page XYZ | d <sub>5</sub><br>Minimum Ø<br>of wheel hub | d <sub>6</sub> -0.05<br>Location hole<br>of wheel hub<br>H7 | l <sub>1</sub> | l <sub>2</sub> ±0.1<br>Length of<br>wheel hub | l <sub>3</sub> | t       | w<br>min.<br>page XYZe |
|--------------|---|--|----------------|------------------------------------|---|---|----------------|---|----------------|---------|------------------------|
| 1            | 125 4.92  | K 12                                     | 29 1.14        | 17 0.67                            | 29 1.14                                     | 25 0.984  | 42 1.65        | 18 0.709                                      | 12 0.47        | 26 1.02 | 4 0.16                 |
| 1            | 140 5.51  | K 12                                     | 29 1.14        | 17 0.67                            | 29 1.14                                     | 25 0.984  | 42 1.65        | 19 0.748                                      | 12 0.47        | 26 1.02 | 4 0.16                 |
| 2            | 140 5.51  | K 14                                     | 33 1.30        | 21 0.83                            | 33 1.30                                     | 29 1.142  | 48 1.89        | 19 0.748                                      | 14 0.55        | 30 1.18 | 4 0.16                 |
| 2            | 160 6.30  | K 14                                     | 33 1.30        | 21 0.83                            | 33 1.30                                     | 29 1.142  | 48 1.89        | 20 0.787                                      | 14 0.55        | 30 1.18 | 4 0.16                 |
| 3            | 200 7.87  | K 18                                     | 39 1.54        | 26 1.02                            | 39 1.54                                     | 35 1.378  | 50 1.97        | 24 0.945                                      | 13 0.51        | 36 1.42 | 4 0.16                 |
| 4            | 250 9.84  | K 22                                     | 46 1.81        | 30 1.18                            | 46 1.81                                     | 41 1.614  | 54 2.13        | 28 1.102                                      | 13 0.51        | 42 1.65 | 4 0.16                 |

**Specification**

**Steel**

- Hardened
- Bearing surfaces ground

RoHS

**Technical Information**

Page

More Information on Safety Clutch Handwheels QVX

Keyways P9 DIN 6885-2 QVX

ISO Fundamental Tolerances QVX

The use of needle bearings and the hardened bearing surfaces make the clutch engagement extremely smooth. This is also assisted by the finer serrations and the increased length of the clutch assembly.

The use at higher shaft speeds and the longer service life are further advantages of the needle bearing.

An oil hole is provided which is connected to a pressure oiler in the wheel hub when the safety clutch handwheel is completely assembled.

The coupling attachment is axially secured in the handwheel hub by a clamping nut.

see also...

Page

GN 000.4 Safety Clutch Assemblies (with Friction Bearing)

QVX

**How to order**

**GN 000.5-4-K22**

1 Nominal size

2 Bore with keyway d<sub>2</sub>

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

