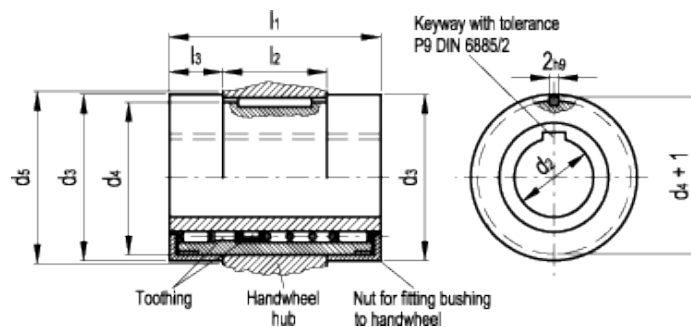


GN 000.5

Safety coupling bushings for handwheels with needle bearing



technical informations

Material

Hardened steel with ground sliding surfaces.

Assembly to shaft

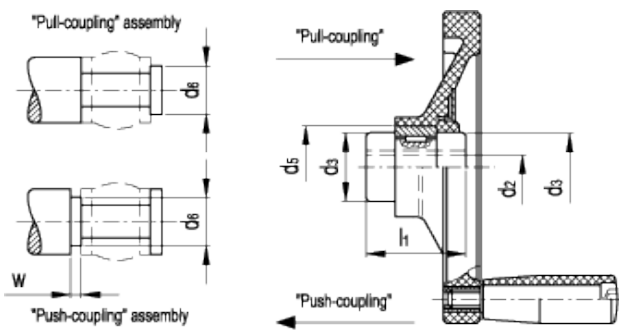
Bushing with H7 reamed hole and keyway in compliance with [DIN 6885/2 P9 tolerance](#).

Features and applications

GN 000.5 safety coupling bushings are designed in accordance with accident prevention rules: in case of push or accidental pressure when the machine is operating, the handwheel is disengaged in the rest position. Two roller bearings guarantee a smooth coupling to the shaft. The two toothed elements inside the bushing fit into each other in order to couple the handwheel to the shaft. The handwheel returns automatically to its rest position when it is released after the operation. Moreover, it is particularly suitable on shafts with a high number of turns since friction is reduced to a minimum and therefore the handwheel is not entrained by the rotation. GN 000.5 safety coupling bushings are suitable for assembly on handwheels in order to guarantee maximum accident prevention safety.

Assembly instructions into the handwheel

Make H7 reamed a hole in the hub (see table) and a keyway for coupling. Remove the threaded nut of the bushing; insert the supplied keyway in its hole; insert the bushing into the hub and screw-on the nut.
A "Push-coupling" or a "Pull-coupling" are possible following two different ways of assembling the bushing (see drawing).
Lubrication is possible through the special holes.



| Standard Elements | Main dimensions | | | | | | | | | Weight |
|-------------------|-----------------|-------|---------------|---------|------------|-------|-----------------|-------|----------|--------|
| Description | d_2 H7 | d_3 | * $d_4 -0.05$ | # d_5 | d_6 max. | l_1 | * $l_2 \pm 0.1$ | l_3 | w min. | g |
| GN 000.5-1-K12 | 12 | 29 | 25 | 29 | 17 | 42 | 18 | 12 | 4 | 126 |
| GN 000.5-2-K14 | 14 | 33 | 29 | 33 | 21 | 48 | 19 | 14 | 4 | 194 |
| GN 000.5-3-K18 | 18 | 39 | 35 | 39 | 26 | 50 | 24 | 13 | 4 | 275 |
| GN 000.5-4-K22 | 22 | 46 | 41 | 46 | 30 | 54 | 28 | 13 | 4 | 390 |

* Diameter d_4 and length l_2 of the coupling are located within the hub of the handwheel (H7 reamed hole). # Minimum handwheel hub diameter.



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