GN 000.5

Safety coupling bushings for handwheels with needle bearing

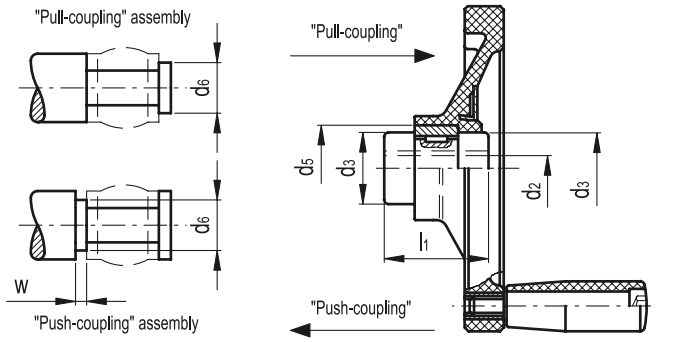
- **Material**
  Hardened steel with ground sliding surfaces.
- **Assembly to shaft**
  Bushing with H7 reamed hole and keyway in compliance with DIN 6885/2 P9 tolerance (see page A17).

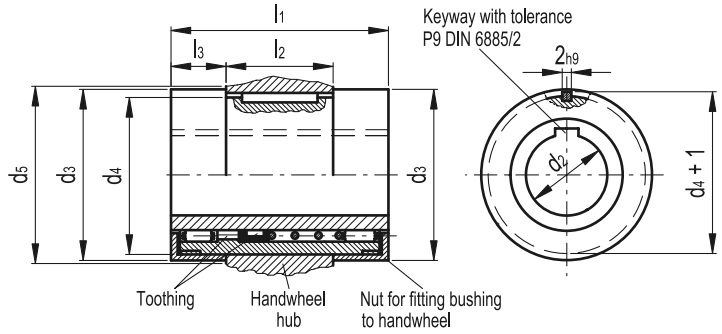
Features and applications

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 is 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 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									⚖
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	20	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 d4 and length l2 of the coupling are located within the hub of the handwheel (H7 reamed hole).
# Minimum handwheel hub diameter.