

# GN 000.5 | Safety coupling bushings

for handwheels or handles, steel



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## MATERIAL

Hardened steel with ground sliding surfaces.

## ASSEMBLY TO SHAFT

Black-oxide steel bosses with H7 reamed hole and keyway in compliance with DIN 6885/2 tolerance P9 (see page A-15).

## SPECIAL EXECUTIONS ON REQUEST

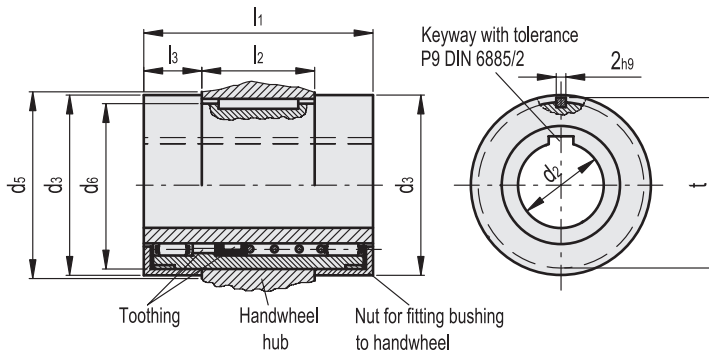
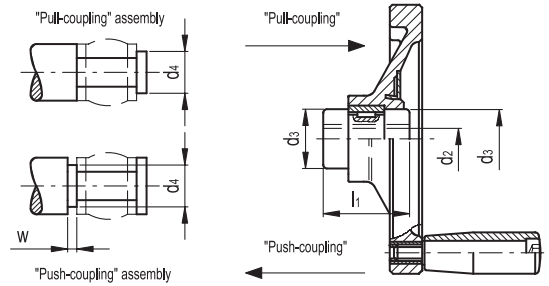
GN 000.4 without bearings with Teflon® coated (registered trademark by DuPont Dow Elastomers) sliding surfaces.

## 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. 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 a H7 reamed 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.



Conversion Table	
1 mm = 0.039 inch	
d2	
mm	inch
12	0.47
14	0.55
18	0.71
22	0.87

Code	Description	d2 H7	d3	* d4 max	# d5	d6 -0.05	l1	* l2 ±0.1	l3	t	wmin	Δ
GN.11751	GN 000.5-1-K12	12	29	17	29	25	42	18	12	26	4	126
GN.11761	GN 000.5-2-K14	14	33	21	33	29	48	20	14	30	4	194
GN.11771	GN 000.5-3-K18	18	39	26	39	35	50	24	13	36	4	275
GN.11781	GN 000.5-4-K22	22	46	30	46	41	54	28	13	42	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.



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