



d <sub>1</sub>	d <sub>2</sub> H7 Bore	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub> -0,1	a	b	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	for position indicators	
												GN 000.9 Size	GN 000.13 Size
85	B 10	18	58	6	19	18,5	20,5	55	5	10,5	14,5	42	-
110	B 12	30	77	6	28,5	20	22	58	6	12	13	60	60

**Specification**

- Plastic (Polyamide PA)
  - Glass fiber reinforced
  - Temperature resistant up to 100 °C
  - Black, matte finish
- Bushing and pallet pin  
Steel, blackened
- Screw for pallet pin injected
- Grub screw DIN 916  
with internal hexagon and serrated point
- ISO Fundamental Tolerances → Page 2151
- Plastic Characteristics → Page 2158
- RoHS

**Accessory**

- Position indicators GN 000.9 / GN 000.13 are to be ordered separately

**Information**

Handwheels GN 577.9 have been designed for use together with position indicators GN 000.9 / GN 000.13 which are installed in the centre of the hub.

The pallet pin is screwed in position and secured with hexagon lock nut. The anchoring depth can still be adjusted to a certain degree.

On certain applications where these handwheels are used with or without a position indicator, a cover cap is available to shroud the empty recess in the knob if required.

see also...

- Hub Caps GN 576  
(for Hand Knobs / Handheels without Position Indicator) → Page 416
- Position Indicators GN 000.9  
(Retaining System, Analog Indication) → Page 386
- Position Indicators GN 000.13  
(Retaining System, Digital / Analog Indication) → Page 387
- Clamping Elements GN 826 (for Adjustable Spindles) → Page 346

How to order

**GN 577.9-85-B10**

- 1 d<sub>1</sub>
- 2 d<sub>2</sub>



## Installation sequence

1. Turn spindle into the starting position (0-position).
2. Set the length of the pallet pin and lock in place with hex nut. Make sure that the pin does not sit on the drill hole base after mounting the handwheel.
3. Turn the position indicator to the 0-position by turning the outer gear wheel to the 0-position.
4. Hold the (unmounted) handwheel such that the hole for the gear pinion is in the „12 o'clock“ position and turn the crown wheel until the pallet pin is in the recess bore at the machine body.
5. Carefully insert the position indicator into the hand knob, making sure that the gear pinion engages in the crown wheel. The crown wheel may need to be readjusted slightly during this step.  
Secure the position indicator with the thumbscrew, avoiding excessive tightening torque to prevent the housing from deforming.
6. Place the handwheel onto the spindle and fix in place with the thumbscrew.
7. Check by turning the handwheel to ensure that the starting position of the spindle and the 0-position of both pointers coincide.  
If necessary, take out and readjust the position indicator.