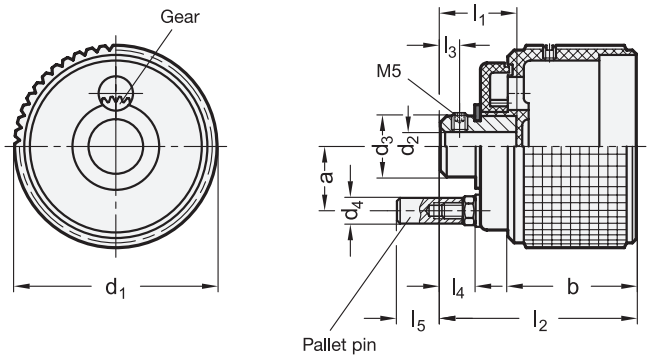
EN 534.9 | Knurled Hand Knobs

Technopolymer Plastic, for Position Indicators EN 000.9 / EN 000.13

JW WINCO® A Ganter Company



Metric

elesa

Original design MBT-PXX

Metric table

Dimensions in: millimeters - *inches*

[1] d_1	[2] d_2 H7 Bore	d_3	d_4 –0.1	a	b	l_1	l_2	l_3	l_4	l_5	For position indicators EN 000.9 Size	For position indicators EN 000.13 Size
60 *2.36*	B 8	18 *.71*	6 *.24*	19 *.75*	36.5 *1.44*	20.5 *.81*	55 *2.17*	5 *.20*	10.5 *.41*	14.5 *.57*	42 *1.65*	-
80 *3.15*	B 10	30 *1.18*	6 *.24*	28.5 *1.12*	38 *1.50*	22 *.87*	58 *2.28*	6 *.24*	12 *.47*	13 *.51*	60 *2.36*	60 *2.36*

Specification

- Hand knob body
  Plastic
  Technopolymer (Polyamide PA)
  - Glass fiber reinforced
  - Temperature resistant up to 212 °F (100 °C)
  - Black, matte finish
- Bushing / pallet pin
  Steel, blackened finish
- Screw for pallet pin injected
- Set screw DIN 916
  With internal hex and serrated point
- *ISO Fundamental Tolerances* → *page QVX*
- *Plastic Characteristics* → *page QVX*
- RoHS compliant

Accessory

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

Information

EN 534.9 knurled hand knobs have been designed for use together with position indicators EN 000.9 / EN 000.13 which are installed in the center of the hub.

The pallet pin is screwed in position and secured with a hex lock nut. The length of the pallet pin can be adjusted as needed.

In certain applications where these hand knobs 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...

- *Cover Disks EN 576 (for Hand Knob Applications without Position Indicator)* → *page QVX*
- *Position Indicators EN 000.9 (Positive Drive, with Analog Display)* → *page QVX*
- *Position Indicators EN 000.13 (Positive Drive, with Digital / Analog Display)* → *page QVX*
- *Control Knob Flanges GN 826 (for Adjustable Spindles)* → *page QVX*

How to order

[1] [2]

EN 534.9-60-B8

1	**Outside diameter d_1**
2	**Bore d_2**

Installation instructions

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 hand knob.
3. Move the position indicator to the 0 position by turning the outer gear wheel.
4. Hold the (unmounted) hand knob 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 set screw, avoiding excessive tightening torque to prevent the housing from deforming.
6. Place the hand knob onto the spindle and fix in place with the set screw.
7. Check by turning the hand knob 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.