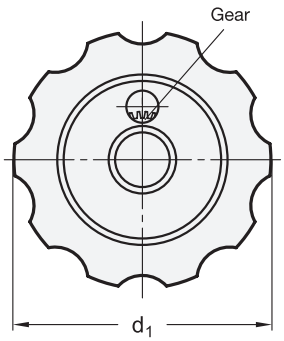
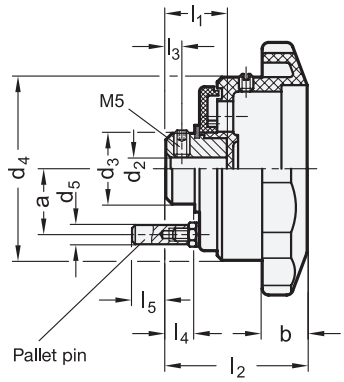
Multi-Lobed Handwheels

Plastic, for Position Indicators EN 000.9 / EN 000.13





Metric

elesa

Original design VHT. PXX

Metric table

Dimensions in: millimeters / inches

1 d_1	2 d_2 H7 Bore	d_3	d_4	d_5 –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
85 3.35	B 10	18 0.71	58 2.28	6 0.236	19 0.75	18.5 0.73	20.5 0.81	55 2.17	5 0.20	10.5 0.41	14.5 0.57	42 1.65	-
110 4.33	B 12	30 1.18	77 3.03	6 0.236	28.5 1.12	20 0.79	22 0.87	58 2.28	6 0.24	12 0.47	13 0.51	60 2.36	60 2.36

Specification

Body
Plastic, Polyamide (PA)
- Glass fiber reinforced
- Operating temperature 32 °F to 212 °F (0 °C to +100 °C)
- Black, matte finish

Bushing / Pallet pin
Steel, blackened finish

Screw for pallet pin
Injected

Set screw
Stainless steel

RoHS

These multi-lobed handwheels EN 577.9 have a recess in the hub to accept position indicators EN 000.9 or EN 000.13.
The screw is screwed into the pallet pin and secured into position with the hex lock nut. The pallet depth can still be adjusted to a certain extent.
If application requires occasional removal of position indicator, handwheel may be ordered upon request with a cover cap to shroud the empty recess.

Technical Information	Page
Installation Instructions for EN 577.9	QVX
ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX

Accessory

EN 000.9 Position Indicators (Positive Drive, with Analog Display)	QVX
EN 000.13 Position Indicators (Positive Drive, with Digital / Analog Display)	QVX
EN 576 Cover Disks (for Control Knobs / Handwheels without Position Indicator)	QVX
GN 826 Control Knob Flanges (for Adjustable Spindles)	QVX

How to order

EN 577.9-85-B10 (1 2)

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

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. Move the position indicator to the 0 position by turning the outer gear wheel.
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 set screw, avoiding excessive tightening torque to prevent the housing from deforming.
6. Place the handwheel onto the spindle and fix in place with the set screw.
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.