METRIC RoHS IP67 PA PA-T +100° 0°

CASE
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.
Moulded-in spindle.

BEZEL
Technopolymer. Moulded over the window.

WINDOW
Transparent polyamide based (PA-T) technopolymer (practically unbreakable).
Resistant to solvents, oils, greases and other chemical agents (avoid contact with alcohol during cleaning operations).

DIAL
Natural matte anodised aluminium.
Clockwise or anti-clockwise graduation, black colour.

READING
The black pointer indicates the number of turns of the spindle from the start position (0); the red pointer indicates the fractions of turn.
Ballrace rotation: maximum reading accuracy.

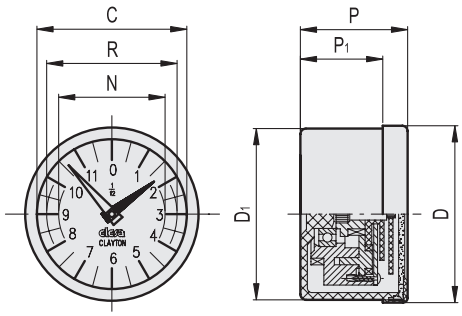
RATIO
To choose the ratio see "Gravity position indicators introduction" (on page 460).

IP PROTECTION
The ultrasonic welding of the window to the case guarantees the complete sealing with IP 67 protection class, see table EN 60529 (on page A-19).

FEATURES AND APPLICATIONS
The knobs with integral gravity position indicator are suitable on spindles with horizontal or max 60° inclined axis.
To choose the handwheel see the table "Handwheels/knobs - possible assembly with indicators" (on page 461).

SPECIAL EXECUTIONS ON REQUEST
- Special dial with logo or customised graduations
- Special ratios
- Filling with paraffin oil, maximum continuous working temperature 40°C.
- Single pointer

ELESA Original design



METRIC

Series	D	P	D1	P1	C	R	N	⚖
GA11	49.8	30	48.2	23	42	37	30	75
GA12	68.5	32	67.0	25	60	51	44	125

Conversion Table
1 mm = 0.039 inch

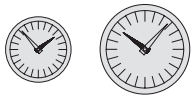
D	
mm	inch
49.8	1.96
68.5	2.70

Example of description for ordering

GA11 - 0002 - D

Series | **Ratio** | **Graduation**

GA11 GA12



Ratio	Description	Ratio	Description	Ratio	Description	Ratio	Description
2	0002	12	0012	36	0036	100	0100
4	0004	15	0015	40	0040	120	0120
5	0005	16	0016	48	0048	150 *	0150
6	0006	20	0020	50	0050	200 *	0200
8	0008	24	0024	60	0060		
10	0010	30	0030	72	0072		

** Available only for GA12*

Increasing graduation
clockwise **D** anti-clockwise **S**

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