



Product-Information

Accessories 7/02 no. 1

GRZ101, 360° mini prism

To round up the palette of prisms, Leica Geosystems has a 360° mini prism in its product range. The GRZ101 prism was specially developed for applications requiring a small and extremely lightweight 360° prism. Thanks to its small size, the GRZ101 has exceptional 3D point accuracy. Using an ATR2 in favorable weather conditions allows measurements of up to 400m. Like all other prisms, the GRZ101 can be used without ATR. With hardly any effort required in setting it up, the two staff attachments of the GRZ101 can easily be used for surveys by placing the prism at the top of the staff and for stake outs, by placing it near the stake out point.

Performance specifications – GRZ101, 360° mini prism

- Leica prism constant +30.0mm
- Point accuracy of the prism ± 1.5 mm
- Up to 400m measuring distance with ATR2
- Prism size: height 30mm, diameter 28mm
- 9mm diameter mini staff consisting of 4 parts, each 30cm long
- 2 staff attachments, each 85mm long
- Bubble with 17/2mm bull's eye bubble freely attachable at any height of the staff
- Prism height including staff and attachments: 10, 40, 70, 100, 130cm
- As of version 1.4.0, prisms are pictured on the prism label (712 323) with specifications of the Leica prism constants and prism dimensions.

Measuring distances – GRZ101, 360° mini prism

Atmospheric conditions:	Standard EDM	ATR – mode	Lock – mode
Strong haze, visibility 5km; or strong sunlight, severe heat shimmer	450m (1500ft)	300m (1000ft)	250m (800ft)
Light haze, visibility about 20km; or moderate sunlight, slight heat shimmer	800m (2600ft)	350m (1150ft)	300m (1000ft)
Overcast, no haze, visibility about 40km, no heat shimmer	1000m (3300ft)	400m (1300ft)	350m (1150ft)

Shortest measuring distance: 1.5m

Recommended measuring distances for standard EDM: 1.5m – 500m

Article number when placing an order

644 327 GRZ101, 360° mini prism



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