

GC00

**— BOLTS, PRISMS  
AND TARGETS**

SETTLEMENT  
GAUGES





## BOLTS, PRISMS AND TARGETS

Topographic monitoring requires accessories such as bolts, prisms, and targets. Reference bolts are threaded to accept optical targets.

Rotary targets can be also mounted on a simple threaded bar or attached to an inexpensive "L" shaped bracket.

The GMP104 equivalent to the Leica mini-prism provides good survey performance. Its aluminum bracket can be mounted and adjusted easily for 3D surveys.

Topographic benchmarks and bolts can be supplied when topographic levelling is required.

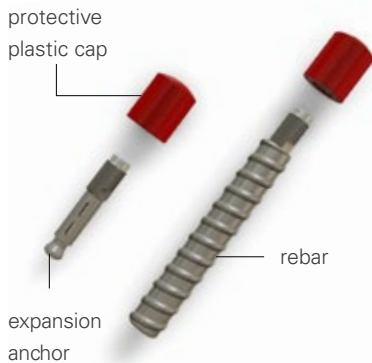
### APPLICATIONS

- Buildings
- Tunnels
- Civil structures
- Concrete dams
- Embankments

### FEATURES

- Mini prisms are use with total robotic stations
- Optical targets are inexpensive and easy to install
- Removable targets can be re-used in different sections

## THREADED-HEAD REFERENCE BOLTS



Threaded reference bolts consist of a 3/8" stainless steel head mounted on a steel rebar (Ø 22 mm) or on an expansion anchor (Ø 14 mm).  
Supplied with protective plastic cap.

PRODUCT CODE	Support
ODN0CH05000	rebar, length 50 mm
ODN0CH20000	rebar, length 200 mm
ODN0TS10000	expansion anchor, length 65 mm

## REMOVABLE OPTICAL TARGET



Removable optical targets have a reflective double-target (50x50 mm) that can rotate 360° in its plastic frame. An adaptor is required to fit reference bolts. Also available are adhesive targets, supplied on sheets of 16.

PRODUCT CODE	Description
0GCTR005000	removable optical target
0GCTR38ADP0	PVC 3/8" female adaptor

## OPTICAL TARGET WITH THREADED ANCHOR



Rotary reflecting double-target mounted on plastic adjustable support. Supplied with M6 threaded bar, ready for direct installation with glue/resin or for mounting with anchor bolt (Fisher-type or equivalent).

PRODUCT CODE	0GCTR0050TS
Target dimension	50 x 50 mm
Material	PVC rotary support, stainless steel anchor
Anchor dimensions	Ø 6 mm, length 100 mm

## MINIPRISM GMP104 EQUIVALENT



Mini monitoring prism mounted in metal holder, supplied with “L” support for fixed installations. The prism offset is dependent on the mounting position.

PRODUCT CODE	0GMP1040000
Max I.R. range	2000 m
Prism diameter	24 mm
Prism body dimensions	Ø 60 mm, thickness 27 mm
Diameter	34 mm
Overall dimensions	76 x 90 x 27 mm

## TOPOGRAPHIC BENCHMARKS



Topographic benchmarks with removable stainless steel head. Available in 20 mm and 40 mm diameters.

PRODUCT CODE	0GBM020SS00	0GBM040SS00
Body material	Galvanized steel	Galvanized steel
Body section	8 x 15mm	8 x 15mm
Head material	Stainless steel	Stainless Steel
Head dimensions	20 mm diameter 27 mm height	40mm diameter 27 mm height
Total length	177mm	177mm

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