



Accessories for Topography

Technical Features



The use of accessories such as topography targets, convergence bolts and prisms is ideal for permanent installations and are used in geotechnical and structural monitoring. These accessories can be fixed to the structure to be checked, and ensure excellent performance over time and good precision.

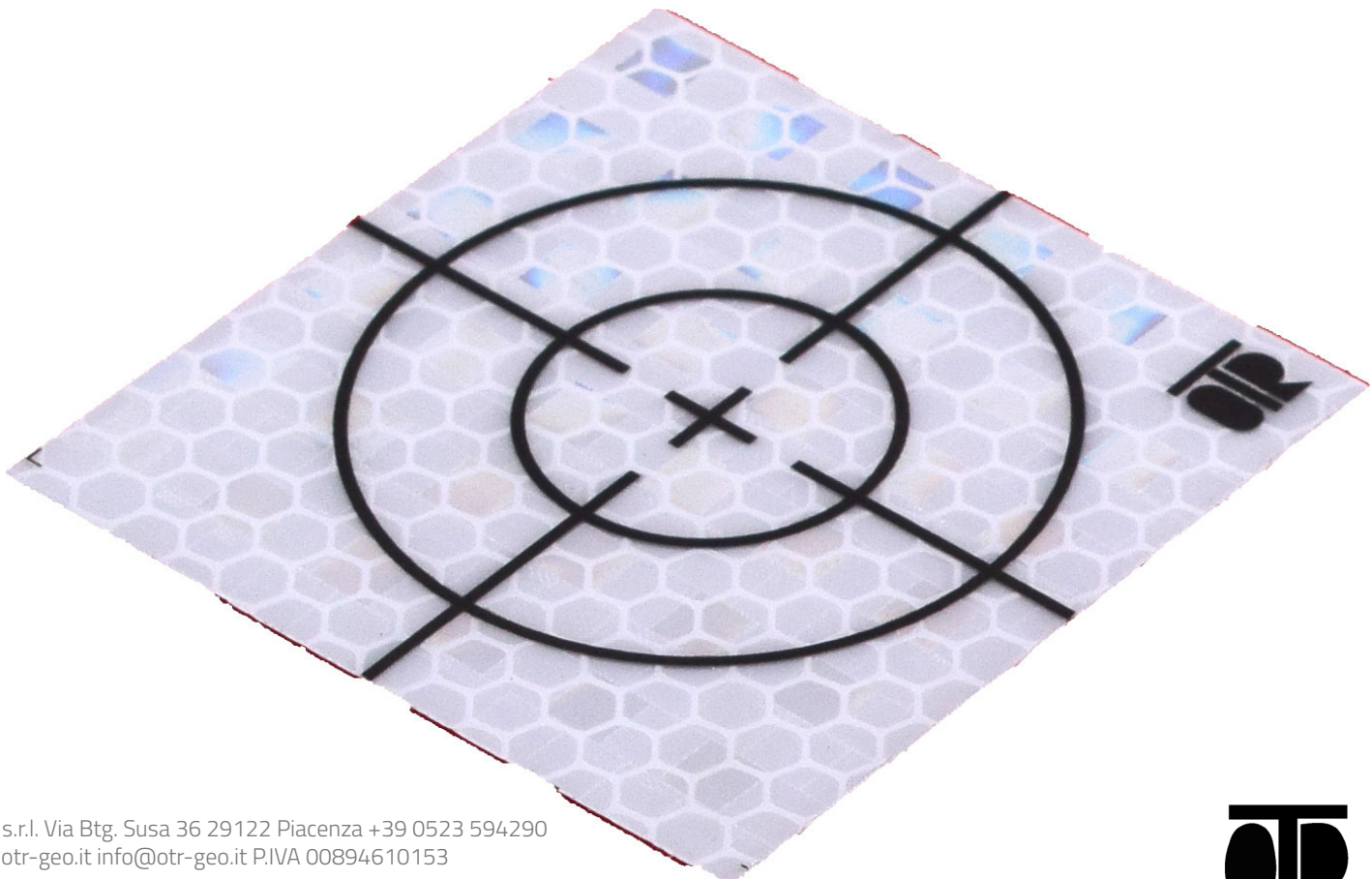
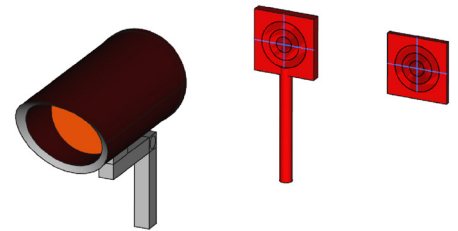
Application

For the monitoring of convergences in tunnels under construction and in underground cavities such as tunnels, caves, plano-altimetric variations in excavations outdoors, landslides and on unstable rock masses, for the structural controls on buildings and infrastructures, OTR provides the following accessories

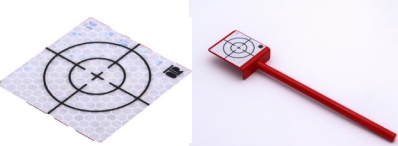
- Reflective targets
- Convergence bolts
- Special prisms and miniprisms for monitoring.

Uses

- Monitoring of deformations during the excavation of tunnels, subways, tunnels, underground caverns, mines and underground works
- Control of differential and absolute settlement of excavation outdoors
- Monitoring the movement of concrete walls and retaining walls
- Monitoring of landslides and slopes
- Monitoring of railway lines
- Structural monitoring



Technical Specifications

		
Description	Target reflective sticker with cross target (*)	reflective target to be cemented and / or weld
Target	30x30mm – 50x50 mm	50x50 mm
Support size	-	52x60 mm
Installation	adhesive	Rod L=200 mm
Range	measure with instruments prism mode: from 10 to 120 m for measuring instruments with direct reflex / reflectorless: 10 to 200 m depending on the tool For all reflectorless total stations and as a reference for alignment/positioning occurs with levels of precision optical	

		
Description	target with reflective target	target d'angolo con bersaglio riflettente
Target	50x50 mm	50x50 mm
Support size	70x75x4 mm	70x75x4 mm
Installation	Dowel screw	Dowel screw
Range	measure with instruments prism mode: from 10 to 120 m for measuring instruments with direct reflex / reflectorless: 10 to 200 m depending on the tool For all reflectorless total stations and as a reference for alignment/positioning occurs with levels of precision optical	

		
Description	reflective prism (*)	Special prism for monitoring
Prism Dimension	25.4 – 32.0 mm	64 mm
Type di prism	Quartz copper and silver	Quartz copper and silver
Overall dimension	90x80x30 mm	120x80x150 mm
Installation	L-bracket with hole 9 mm bar dowel screw	Adjustable L-bracket with a hole for screw dowel
Range	From 0 to 2000 m, depending on the instrument used	
	(*) For all work monitoring, guarantees a maximum range (depending on the instrument used) up to 1000 mt.	



		
Description	Bolt convergence	
Diameter	16 – 22 mm	
Length (available)	200-500-1000 mm	
Type of Engagement	Ring or thread 3/8 "	
Material	Stainless Steel	
Installation	Cement or solder	
	Suitable for all types of commercially distometers	

Codes & Part Numbers

P/N 2015900	Target adhesive reflector
P/N 2015901	Target adhesive reflector on plastic
P/N 2015902	Target adhesive reflector with steel support weldable
P/N 2015903	Target adhesive reflector on plastic angular
P/N 2015904	Mini Prism 1"
P/N 2015905	MONITORING PRISM 65 mm