SPEC SHEET

Trimble Geospatial Targets



Precision solutions for every challenge

Trimble® offers a complete portfolio of targets designed for your specific application. Each prism is engineered for a specific task, from 360 prisms with active tracking for topographic surveys to traverse prisms for long-range, high-precision setups. For detailed work, mini prisms offer exceptional accuracy for fine layout, while mounted prisms provide stable, long-term solutions for monitoring projects.

Trimble prisms are designed and manufactured to work seamlessly with Trimble total stations, guaranteeing the highest accuracy and most reliable performance.

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geospatial.trimble.com/accessories

360 Targets

	 **Trimble MultiTrack™ Active Target**	 **Trimble Active Track 360**	 **Trimble 360 Prism**
Part number	MT1000	AT360	58020002
No. of prisms and diameters	8 × 20 mm	360 Foil	7 × 25.4 mm
Prism constant	+10 mm	+22 mm	+2 mm
Coating type	Silver	Reflective foil	Silver
Tracker range	800 m – Active Mode 250 m – Passive Mode	500 m (DR Plus) – Active Mode 100 m (DR HP) – Active Mode	350 m – Passive Mode
Target height	135 mm	135 mm	135 mm with adapter
Weight	0.93 kg (incl. battery)	0.63 kg (incl. battery)	0.48 kg
Environmental	-20 °C to +50 °C and IP55	-20 °C to +50 °C and IP55	N/A
Mount	5/8th Thread	5/8th Thread	5/8th Thread
Receivers supported for integrated surveying	All – Removable top cap	All	All – Removable top cap
Notes	Integrated 8 channel Target ID. Active tracking functionality requires a compatible Trimble total station.	Integrated 8 channel Target ID. Active tracking functionality requires a compatible Trimble total station.	Same specifications apply to VX & S Series 360 Prism (P/N: 58128001) and R10 360 Prism (P/N: 58012029).
	For high accuracy measurements, Trimble recommends using nodal point prisms.		

Single Prisms





	Traverse Prism with AR coating	Mini Prism Kit
Part number	58026020 – Prism with sighting target SLSU-S2020 – Traverse prism kit	187311
Prism diameter	52.5 mm	25.4 mm
Prism constant	-35 mm	-17 mm
Centering accuracy	±0.3 mm (0.01 in)	±0.3 mm (0.01 in)
Mounted in nodal point	Yes	Yes
Coating type	Silver: Prism front surface also has Anti-Reflection (AR) coating for increased accuracy	Silver: Prism front surface also has Anti-Reflection (AR) coating for increased accuracy
Measurement range[1]	5000 m 5500 m with DR Plus EDM	1500 m with DR Plus EDM
Tracker range	700 m – Passive Mode 2500 m with Long Range Trimble FineLock™	500 m
Target height	135 mm	Modular; from 50 mm: [100 mm with 50 mm point] [135 mm with 5/8” adapter] [200 mm with mini-pole] [400, 700, 1000, 1300 mm with sectional pole]
Weight	0.77 kg	N/A

Specialized Application Targets

	 Small Monitoring Prism	 Large Monitoring Prism	 Monitoring Prism with GNSS mount	 Reflective foil target
Part number	58008030	58008042	58008040	58028007
Prism diameter/size	25.4 mm	62 mm	62 mm	60 × 60 mm
Prism constant	-17 mm	-40 mm	-40 mm	0 mm
Mounted in nodal point	Yes	Yes	Yes	N/A
Coating type	Silver	Silver	Silver	Reflective foil
Measurement range[1]	1500 m	5000 m 5500 m with DR Plus EDM	5000 m 5500 m with DR Plus EDM	500 m
Tracker range	500 m – Passive Mode 1100 m with Long Range FineLock	700 m – Passive Mode 2500 m with Long Range FineLock	700 m – Passive Mode 2500 m with Long Range FineLock	N/A
Target height	39 mm	85 mm	80 mm	N/A
Weight	0.08 kg	0.70 kg	0.90 kg	0.01 kg
Beam deviation[2]	< 5″	< 2″	< 2″	N/A
Application	Best prism for general monitoring points.	For long distance monitoring measurements and reference points.	Combine GNSS antenna with a prism for integrated monitoring.	N/A
Notes	Comes as a box of 25 prisms. Mounting hole is 8 mm diameter	Central hole mount for 5/8th thread or Hex M8 adapter	5/8th thread top and bottom Built-in level bubble	N/A

1. Standard clear atmosphere: No haze. Overcast or moderate sunlight with very light heat shimmer. Range may vary with instrument and EDM type.
2. Note, beam deviation is not related to angular accuracy. Beam deviation indicates how well a prism returns a signal in the same direction it came from, which can affect EDM or tracking range. With modern total stations, all EDMs transmitters are quite powerful and EDM receivers are quite sensitive, and so range is virtually unaffected by the beam divergence.

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