- 360 TARGETS
- SINGLE PRISMS
- SPECIALIZED APPLICATION TARGETS

Trimble Geospatial Targets Datasheet

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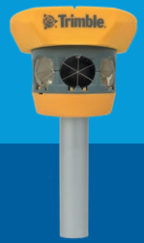
360 Targets

	 Trimble® MultiTrack™ Active Target	 Trimble Active Track 360	 Trimble 360 Prism
Part number	MT1000	AT360	58020002
Prism constant	+10 mm	+22 mm	+2 mm
No. of Prisms	8 x 20 mm	360 Foil	7 x 25.4 mm
Tracker range in normal conditions[1]	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	0.88 kg (incl. battery)	0.63 kg (incl. battery)	0.43 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
Coating type	Silver	Reflective foil	Silver
Notes	Active tracking compatible with S Series instruments only.	Active tracking compatible with S Series instruments only.	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 Set with section pole	 Reflective foil target
Part number	58026020 – Prism with sighting target SLSU-S2020 – Traverse prism kit	571126273	58028007
Prism constant	-35 mm	-18 mm	0 mm
Size of Prism	52.5 mm	25.4 mm	60 x 60 mm
Tracker range in normal conditions[1]	700 m – Passive Mode 2500 m with Long Range FineLock™	350 m – Passive Mode	N/A
Measurement Range[1]	5000 m 5500 m with DR Plus EDM	1500 m	500 m
Sighting Marks	Yes	Yes	Yes
Target height	135 mm	Modular; from 50 mm	N/A
Weight	0.77 kg	0.52 kg (Complete) 0.12 kg (Prism only)	0.01 kg
Mounted in nodal point	Yes	Yes	N/A
Coating type	Silver Prism front surface also has Anti-Reflection (AR) coating for increased accuracy	Copper	Reflective foil

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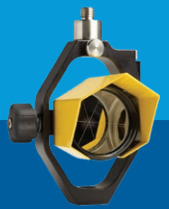
Specialized Application Targets

	 Small Monitoring Prism	 Large Monitoring Prism	 Monitoring Prism with GNSS mount	 Mini prism for horizontal and vertical mount
Part number	58008030	58008042	58008040	46-MP-MON
Prism constant	-17 mm	-40 mm	-40 mm	-17.5 mm
Size of Prism	25.4 mm	62 mm	62 mm	25 mm
Tracker range in normal conditions[1]	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	350 m – Passive Mode
Measurement Range[1]	1500 m	5000 m 5500 m with DR Plus EDM	5000 m 5500 m with DR Plus EDM	1500 m
Sighting Marks	No	No	No	No
Weight	0.08 kg	0.70 kg	0.90 kg	0.10 kg
Mounted in nodal point	Yes	No	No	Yes
Target height	39 mm	85 mm	80 mm	86 mm
Beam deviation[2]	< 5"	< 2"	< 2"	< 5"
Coating type	Silver	Silver	Silver	Silver
Application	Best prism for general monitoring points.	For long distance monitoring measurements and reference points.	Combine GNSS antenna with a prism for integrated monitoring.	Mounting directly into a surface using screws such as tunnel convergence targets.
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	Available in packs of 5 prisms and are best used with mounting screws (P/N890314-MON)

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.