

# 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.



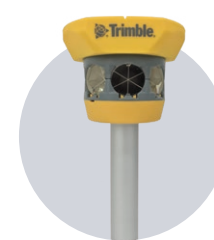
# 360 Targets



**Trimble® MultiTrack™  
Active Target**



**Trimble Active Track 360**



**Trimble 360 Prism**

|                                                     |                                                                                                               |                                                                                                               |                                                                                                         |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Part number</b>                                  | MT1000                                                                                                        | AT360                                                                                                         | 58020002                                                                                                |
| <b>No. of prisms and diameters</b>                  | 8 × 20 mm                                                                                                     | 360 Foil                                                                                                      | 7 × 25.4 mm                                                                                             |
| <b>Prism constant</b>                               | +10 mm                                                                                                        | +22 mm                                                                                                        | +2 mm                                                                                                   |
| <b>Coating type</b>                                 | Silver                                                                                                        | Reflective foil                                                                                               | Silver                                                                                                  |
| <b>Tracker range</b>                                | 800 m – Active Mode<br>250 m – Passive Mode                                                                   | 500 m (DR Plus) – Active Mode<br>100 m (DR HP) – Active Mode                                                  | 350 m – Passive Mode                                                                                    |
| <b>Target height</b>                                | 135 mm                                                                                                        | 135 mm                                                                                                        | 135 mm with adapter                                                                                     |
| <b>Weight</b>                                       | 0.93 kg (incl. battery)                                                                                       | 0.63 kg (incl. battery)                                                                                       | 0.48 kg                                                                                                 |
| <b>Environmental</b>                                | -20 °C to +50 °C and IP55                                                                                     | -20 °C to +50 °C and IP55                                                                                     | N/A                                                                                                     |
| <b>Mount</b>                                        | 5/8th Thread                                                                                                  | 5/8th Thread                                                                                                  | 5/8th Thread                                                                                            |
| <b>Receivers supported for integrated surveying</b> | All – Removable top cap                                                                                       | All                                                                                                           | All – Removable top cap                                                                                 |
| <b>Notes</b>                                        | Integrated 8 channel Target ID.<br>Active tracking functionality requires a compatible Trimble total station. | Integrated 8 channel Target ID.<br>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**



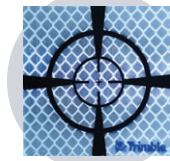
**Mini Prism Kit**

|                                      |                                                                                          |                                                                                                                                                       |
|--------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Part number</b>                   | 58026020 – Prism with sighting target<br>SLSU-S2020 – Traverse prism kit                 | 187311                                                                                                                                                |
| <b>Prism diameter</b>                | 52.5 mm                                                                                  | 25.4 mm                                                                                                                                               |
| <b>Prism constant</b>                | -35 mm                                                                                   | -17 mm                                                                                                                                                |
| <b>Centering accuracy</b>            | ±0.3 mm (0.01 in)                                                                        | ±0.3 mm (0.01 in)                                                                                                                                     |
| <b>Mounted in nodal point</b>        | Yes                                                                                      | Yes                                                                                                                                                   |
| <b>Coating type</b>                  | 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                                                              |
| <b>Measurement range<sup>1</sup></b> | 5000 m<br>5500 m with DR Plus EDM                                                        | 1500 m with DR Plus EDM                                                                                                                               |
| <b>Tracker range</b>                 | 700 m – Passive Mode<br>2500 m with Long Range FineLock™                                 | 500 m                                                                                                                                                 |
| <b>Target height</b>                 | 135 mm                                                                                   | Modular; from 50 mm:<br>[100 mm with 50 mm point] [135 mm with 5/8" adapter]<br>[200 mm with mini-pole] [400, 700, 1000, 1300 mm with sectional pole] |
| <b>Weight</b>                        | 0.77 kg                                                                                  | N/A                                                                                                                                                   |

# Specialized Application Targets


**Small Monitoring Prism**

**Large Monitoring Prism**

**Monitoring Prism with GNSS mount**

**Reflective foil target**

|                                      | Small Monitoring Prism                                         | Large Monitoring Prism                                          | Monitoring Prism with GNSS mount                             | Reflective foil target |
|--------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------|------------------------|
| <b>Part number</b>                   | 58008030                                                       | 58008042                                                        | 58008040                                                     | 58028007               |
| <b>Prism diameter/size</b>           | 25.4 mm                                                        | 62 mm                                                           | 62 mm                                                        | 60 × 60 mm             |
| <b>Prism constant</b>                | -17 mm                                                         | -40 mm                                                          | -40 mm                                                       | 0 mm                   |
| <b>Mounted in nodal point</b>        | Yes                                                            | No                                                              | No                                                           | N/A                    |
| <b>Coating type</b>                  | Silver                                                         | Silver                                                          | Silver                                                       | Reflective foil        |
| <b>Measurement range<sup>1</sup></b> | 1500 m                                                         | 5000 m<br>5500 m with DR Plus EDM                               | 5000 m<br>5500 m with DR Plus EDM                            | 500 m                  |
| <b>Tracker range</b>                 | 500 m – Passive Mode<br>1100 m with Long Range FineLock        | 700 m – Passive Mode<br>2500 m with Long Range FineLock         | 700 m – Passive Mode<br>2500 m with Long Range FineLock      | N/A                    |
| <b>Target height</b>                 | 39 mm                                                          | 85 mm                                                           | 80 mm                                                        | N/A                    |
| <b>Weight</b>                        | 0.08 kg                                                        | 0.70 kg                                                         | 0.90 kg                                                      | 0.01 kg                |
| <b>Beam deviation<sup>2</sup></b>    | < 5"                                                           | < 2"                                                            | < 2"                                                         | N/A                    |
| <b>Application</b>                   | 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                    |
| <b>Notes</b>                         | Comes as a box of 25 prisms.<br>Mounting hole is 8 mm diameter | Central hole mount for 5/8th thread or Hex M8 adapter           | 5/8th thread top and bottom<br>Built-in level bubble         | N/A                    |

- Standard clear atmosphere: No haze. Overcast or moderate sunlight with very light heat shimmer. Range may vary with instrument and EDM type.
- 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.

Contact your local Trimble Authorized Dealer for more information

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