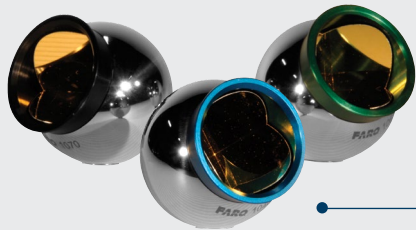


Laser Tracker Targets



Accurate, Durable, Affordable Break Resistant SMRs

- Three models:
 1. Standard Accuracy (Black Ring)
 2. Long Range (Green Ring)
 3. High Performance (Blue Ring)
- High performance model is 80% more accurate than Heavy Duty break resistant SMRs
- Combination of the sphere properties and the centering of the optics make the high performance model the world's most accurate break resistant SMR
- Lower cost than previous break resistant models
- Single element retroreflector with a gold coating (no separate glass panels that can shift or break over time)



Break Resistant Window SMRs

- Ultimate performance in harsh environments
- Window covering is designed to keep the reflective optics clean
- Replaceable window collar
- Single element retroreflector with a gold coating



Heavy Duty Break Resistant SMRs

- Solid stainless steel ball
- Integrated retroreflector with a gold coating
- Ability to operate at optimum performance at extreme temperatures



Glass Panel SMRs

- Protected silver coating
- Standard and high accuracy models



Repeatability Targets

- Open air corner cubes
- Ensures repeatability regardless of the pointing angle from the laser tracker
- Perfect target for repeatability surveys



RetroProbes

- Measure in recessed areas or small features such as holes, slots and machine faces
- Provides the functionality of an articulated arm or fixed CMM-style probing
- Easily reach into pockets, behind obstructions, and around corners
- Minimize laser tracker repositioning
- One-inch and four-inch extension models

Target Name	Size	Part Number	Range ¹		Centering Accuracy (<)		Dihedral Angle (arc sec)	Wavefront Distortion (≤)
			Meters	Feet	µm (±)	Inches (±)		
Standard Accuracy Break Resistant SMR (Black Ring)	1.5"	099-03915-01	60	196.9	7.6	0.0003	2.3	≤ 0.80
	0.875"	099-03919-01	40	131.2	12.7	0.0005	4.6	≤ 0.80
	0.5"	099-03920-01	30	98.4	12.7	0.0005	8	≤ 0.80
Long Range Break Resistant SMR (Green Ring)	1.5"	099-03915-02	80	262.5	7.6	0.0003	1.2	≤ 0.45
	0.875"	099-03919-02	60	196.9	12.7	0.0005	1.7	≤ 0.50
	0.5"	099-03920-02	30	98.4	12.7	0.0005	1.7	≤ 0.50
High Performance Break Resistant SMR (Blue Ring) ²	1.5"	099-03915-03	80	262.5	2.5	0.0001	1.2	≤ 0.45
	0.875"	099-03919-03	60	196.9	7.6	0.0003	1.7	≤ 0.50
	0.5"	099-03920-03	30	98.4	7.6	0.0003	1.7	≤ 0.50
Window Covered Break Resistant SMR ³	1.5"	099-03700	60	196.9	7.6	0.0003	2.3	≤ 0.70
	0.875"	C-ACC-03926-000	40	131.2	12.7	0.0005	4.6	≤ 0.70
Heavy Duty Break Resistant SMR	1.5"	950-02942	60	196.9	12.7	0.0005	2.5	≤ 0.70
	0.875"	950-01060	40	131.2	50.8	0.0020	5	≤ 0.70
	0.5"	950-01061	30	98.4	50.8	0.0020	8.5	≤ 0.70
Standard Glass Panel SMR	1.5"	950-00-030	60	196.9	12.7	0.0005	2.5	≤ 0.70
	0.875"	950-00-042	40	131.2	12.7	0.0005	5	≤ 0.70
	0.5"	950-00-058	30	98.4	12.7	0.0005	8.5	≤ 0.70
High Accuracy Glass Panel SMR	1.5"	950-03910	60	196.9	2.5	0.0001	2.5	≤ 0.70
Standard Repeatability Target	0.5"	041-00-011	20	65.6	—	—	± 12	≤ 1.25

All SMRs with the exception of the Heavy Duty Break Resistant SMR are Grade 25 spheres (sphericity is ± 0.000635mm (0.000025"), diameter tolerance is ± 0.0025mm (0.0001"). The sphericity of all Heavy Duty Break Resistant SMRs is listed as ± 0.00127mm (0.000050") though all the other specifications are equal to a Grade 25 sphere. All break resistant SMRs operate in a temperature range of -15°C to 50°C (5°F to 122°F).

¹ Published ranges are with FARO® Vantage Laser Trackers

² Quantities of Blue Ring SMRs are limited and the lead time may vary

³ Protected by U.S. patent 7,388,654

Target Name	Part Number	Centering Accuracy		Range		Dimensions (with stylus)		Dimensions (without stylus)		Weight	
		µm (±)	Inches (±)	Meters	Feet	mm	Inches	mm	Inches	(g)	(lbs)
RetroProbe 100 ⁴	950-00-016	25.4	0.0010	35	114.8	120.8 x 54.8 x 106.0	4.8 x 2.2 x 4.2	120.8 x 54.8 x 79.7	4.8 x 2.2 x 3.1	362.9	0.8
RetroProbe 400 ⁴	950-00-054	25.4	0.0010	35	114.8	254.0 x 104.1 x 282.0	10.0 x 4.1 x 11.1	254.0 x 104.1 x 255.9	10.0 x 4.1 x 10.1	997.9	2.2

⁴ Protected by U.S. patent 5,530,549

For more information, call 800.736.0234 or visit www.faro.com
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