



# SMR<sub>S</sub>

*Spherically Mounted RetroReflector*

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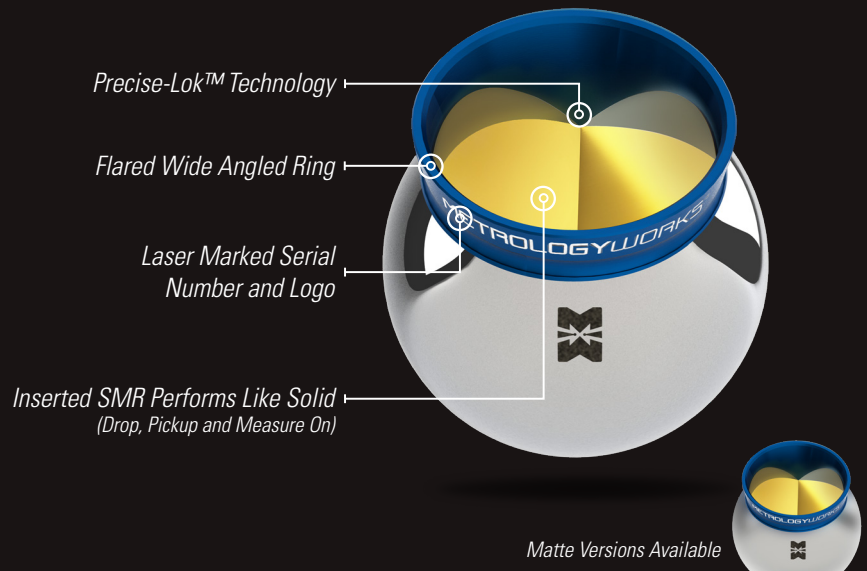
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## TOUGH PROBE SMR

- ✦ Single Piece Aluminum Insert
- ✦ Rhino™ Series - Precision & Toughness
- ✦ 1.5", 0.875", 0.5" Sizes
- ✦ Compatible with All OEM Laser Trackers
- ✦ Affordably Priced
- ✦ Gold Optical Surface
- ✦ Insert Guaranteed Not to Pop Out

Rhino  Series®

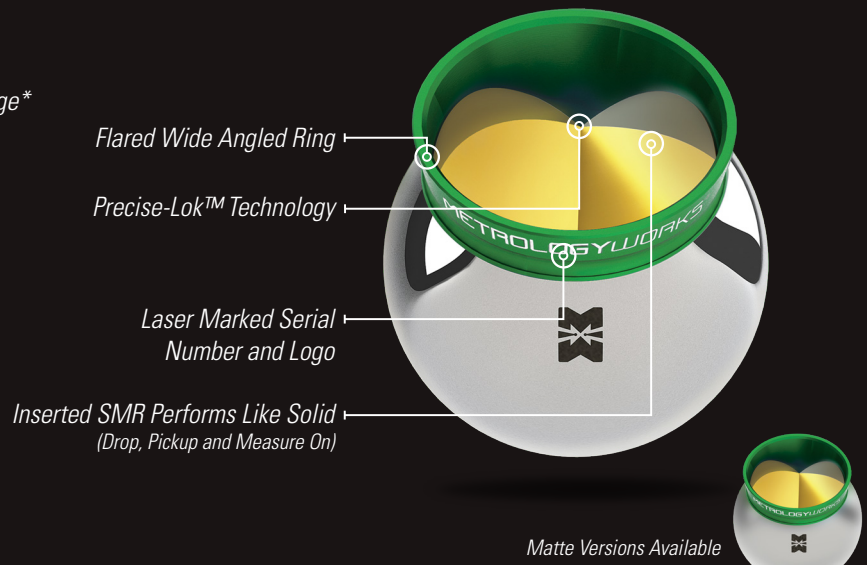


## SEMI-SOLID SMR

- ✦ Single Piece Titanium Insert
- ✦ More Thermally Stable Over Larger Temperature Range\*
- ✦ 1.5", 0.875", 0.5" Sizes
- ✦ Greater Fracture Toughness and Hardness\*
- ✦ Semi-Solid Construction
- ✦ Gold Optical Surface
- ✦ Insert Guaranteed Not to Pop Out
- ✦ Toughest Inserted SMR on the Market

Gladiator  Series

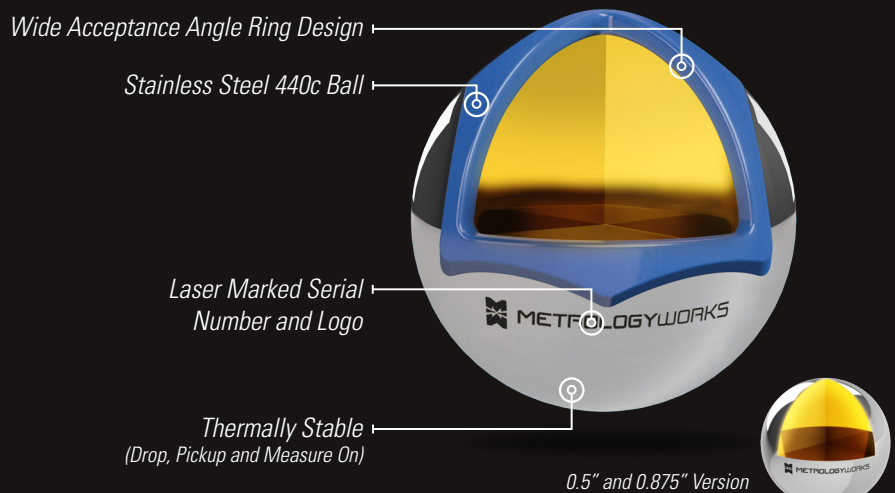
**NG** NEXT GENERATION  
TITANIUM INSERT



\*As Compared to Aluminum

## BREAK PROOF SMR

- ✦ Solid Coated Ball
- ✦ Unbreakable
- ✦ 1.5", 0.875", 0.5" Sizes
- ✦ Compatible with All OEM Laser Trackers
- ✦ Affordably Priced
- ✦ Gold Optical Surface

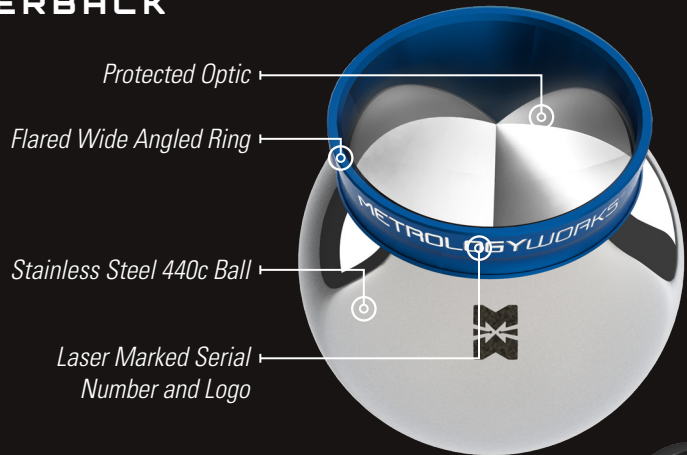


0.5" and 0.875" Version

## GLASS ELEMENT SMR - SILVERBACK

- ✦ Large Glass Optic
- ✦ Protected Glass Optic - 3 Piece Construction
- ✦ Flared Wide Angled Ring for Increased Entry Angle
- ✦ Isolation Core for Added Stability and Durability
- ✦ 1.5", 0.875", 0.5" Sizes
- ✦ Compatible with All OEM Laser Trackers

Silverback  Series®



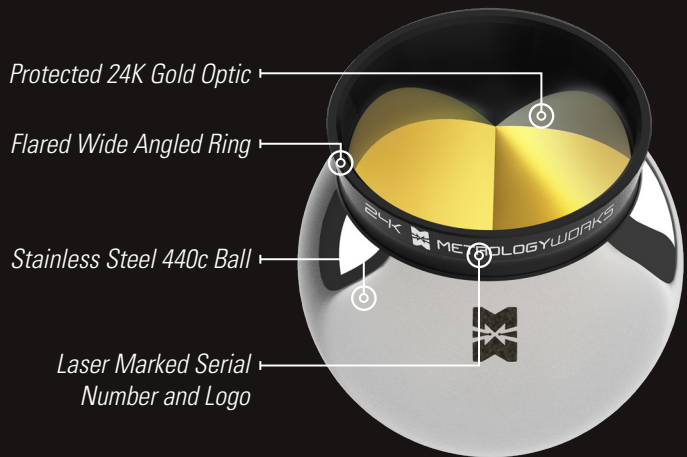
Classic Version Available



## GLASS ELEMENT SMR - 24K

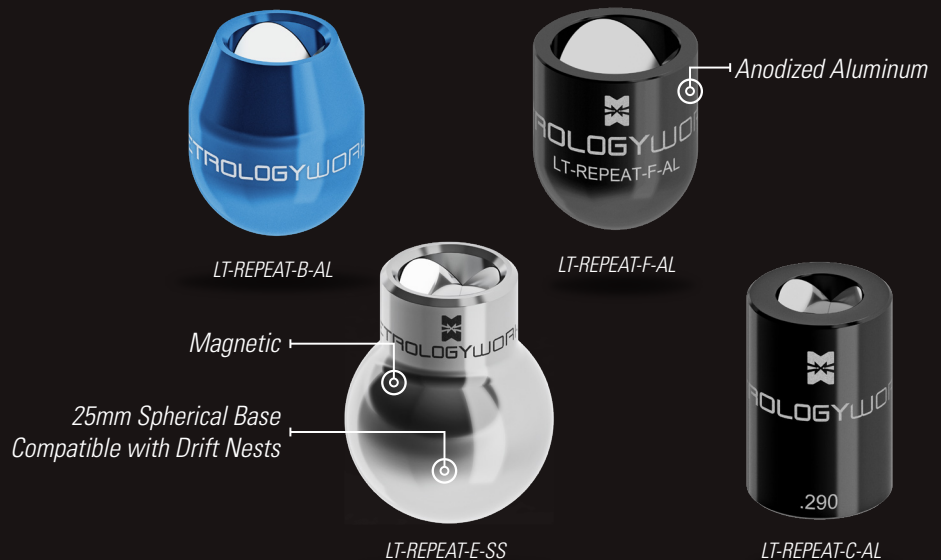
- ✦ Protected 24 Karat Gold Coating
- ✦ High Reflectivity
- ✦ Ultra-stable Coating Will Not Corrode
- ✦ Performs Well in Long Distance Applications
- ✦ Large Glass Optic
- ✦ Protected Glass Optic - 3 Piece Construction
- ✦ Flared Wide Angled Ring for Increased Entry Angle
- ✦ Isolation Core for Added Stability and Durability
- ✦ 1.5", 0.875", 0.5" Sizes
- ✦ Compatible with All OEM Laser Trackers

24K™



## REPEAT TARGETS

- ✦ Easy to Clean Protected Optics
- ✦ Great for Drift Checks
- ✦ Glue in Place
- ✦ Aluminum or Stainless Steel Housings



# LASER TRACKER TOOLING

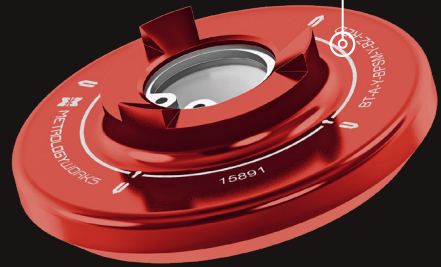
- ✦ Precision Machining
- ✦ Three Point Contact
- ✦ Hardened Stainless Steel or Anodized Aluminum
- ✦ Certified and Traceable
- ✦ Custom Parts Possible
- ✦ Laser Marked
- ✦ Serial Number for Traceability



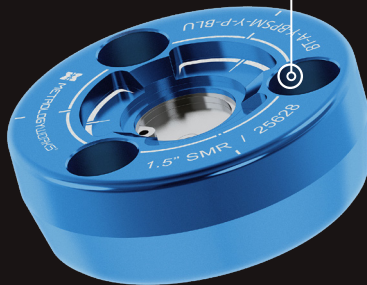
Edge Nest Configuration



Negative Nest Configuration



Bolt Down Drift Nest



Standard Drift Nest



Pin Nest Configuration

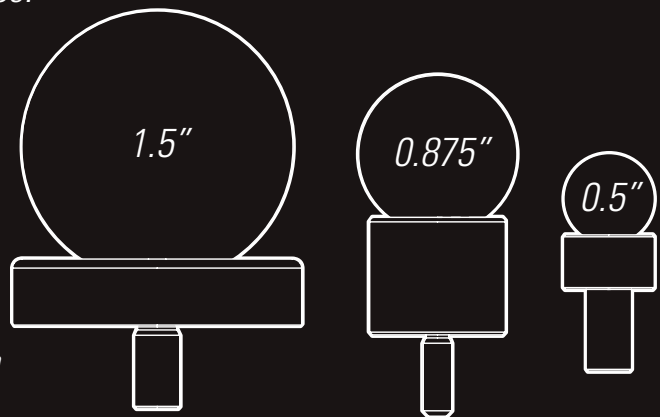
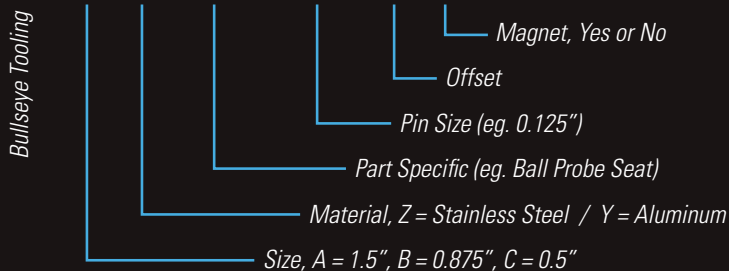


SMR Lanyards available for all Versions and Sizes



## Part Number Selection & Laser Tracker Tooling Sizes:

**BT - A - Z - BPS - x125 - 1 - Y**





## Break Proof SMR - Solid

Product Code	Size	SMR Description	Centering Accuracy - Inches (mm)
LTBP-A-Z-SO-SA	1.5	Solid Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-A-Z-SO-MA	1.5	Solid Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-A-Z-SO-HA	1.5	Solid High Accuracy	±0.00015" or Better (0.00381mm)
LTBP-B-Z-SO-SA	0.875	Solid Standard Accuracy	±0.00125" or Better (0.03175mm)
LTBP-B-Z-SO-MA	0.875	Solid Mid Accuracy	±0.0006" or Better (0.01524mm)
LTBP-B-Z-SO-HA	0.875	Solid High Accuracy	±0.0002" or Better (0.00508mm)
LTBP-C-Z-SO-SA	0.5	Solid Standard Accuracy	±0.00125" or Better (0.03175mm)
LTBP-C-Z-SO-MA	0.5	Solid Mid Accuracy	±0.0006" or Better (0.01524mm)
LTBP-C-Z-SO-HA	0.5	Solid High Accuracy	±0.0002" or Better (0.00508mm)

## Semi-Solid - Gladiator SMR - Titanium Insert

Product Code	Size	SMR Description	Centering Accuracy - Inches (mm)
LTBP-A-Z-GS-SA	1.5	Semi-Solid Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-A-Z-GS-MA	1.5	Semi-Solid Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-A-Z-GS-HA	1.5	Semi-Solid Probe High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-B-Z-GS-SA	0.875	Semi-Solid Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-B-Z-GS-MA	0.875	Semi-Solid Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-B-Z-GS-HA	0.875	Semi-Solid Probe High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-C-Z-GS-SA	0.5	Semi-Solid Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-C-Z-GS-MA	0.5	Semi-Solid Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-C-Z-GS-HA	0.5	Semi-Solid Probe High Accuracy	±0.0001" or Better (0.00254mm)

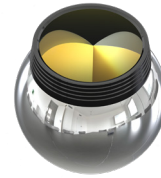
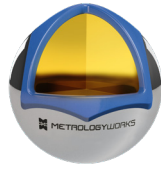
Also available in Matte finish on request - Example PN: LTBP-A-**M**-GS-SA"

## Tough Probe SMR - Rhino SMR - Aluminum Insert

Product Code	Size	SMR Description	Centering Accuracy - Inches (mm)
LTBP-A-Z-RS-SA	1.5	Tough Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-A-Z-RS-MA	1.5	Tough Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-A-Z-RS-HA	1.5	Tough Probe High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-B-Z-RS-SA	0.875	Tough Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-B-Z-RS-MA	0.875	Tough Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-B-Z-RS-HA	0.875	Tough Probe High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-C-Z-RS-SA	0.5	Tough Probe Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-C-Z-RS-MA	0.5	Tough Probe Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-C-Z-RS-HA	0.5	Tough Probe High Accuracy	±0.0001" or Better (0.00254mm)

Also available in Matte finish on request - Example PN: LTBP-A-**M**-RS-SA"

# SMR COMPARISON CHART-SOLID & INSERTED SMRs



SMR	Solid	Gladiator	Rhino	Competitor A	Competitor F
Removable Ring	✗	✓	✓	✗	✓
Bare Gold Optical Coating	✓	✓	✓	✓	✓
Insert Material	N/A	<b>TITANIUM</b>	Aluminum	Aluminum	Aluminum
Precise-Lok™ Technology	N/A	✓	✓	✗	✗
Ball Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

## Glass Element SMR - Silverback

Product Code	Size	SMR Description	Centering Accuracy - Inches (mm)
LTBP-A-Z-SB-SA	1.5	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-A-Z-SB-MA	1.5	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-A-Z-SB-HA	1.5	High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-B-Z-SB-SA	0.875	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-B-Z-SB-MA	0.875	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-B-Z-SB-HA	0.875	High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-C-Z-SB-SA	0.5	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-C-Z-SB-MA	0.5	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-C-Z-SB-HA	0.5	High Accuracy	±0.0001" or Better (0.00254mm)

## Glass Element SMR - 24K

Product Code	Size	SMR Description	Centering Accuracy - Inches (mm)
LTBP-A-Z-24-SA	1.5	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-A-Z-24-MA	1.5	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-A-Z-24-HA	1.5	High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-B-Z-24-SA	0.875	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-B-Z-24-MA	0.875	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-B-Z-24-HA	0.875	High Accuracy	±0.0001" or Better (0.00254mm)
LTBP-C-Z-24-SA	0.5	Standard Accuracy	±0.0005" or Better (0.0127mm)
LTBP-C-Z-24-MA	0.5	Mid Accuracy	±0.0003" or Better (0.00762mm)
LTBP-C-Z-24-HA	0.5	High Accuracy	±0.0001" or Better (0.00254mm)

Optional: LTBP-CASE / Laser Tracker Ball Probe Protective Case / Holds 2 SMRs of Any Size