

# T-218 2-Axis See-Through Target T-218T Turbine Target

*Designed for multiple-target centering applications such as turbines or other large bores*

Hamar Laser's T-218 2-Axis "See-through" target is designed for multiple-target, bore centering applications. A small mirror directs the beam to the target cell that is 90 degrees to the centerline. The mirror can be flipped out of the way to allow the laser beam to pass through the target body without optical interference.

The T-218T Turbine Target has an adapter flange for turbine alignment applications and works much the same as reference targets. The target fixture (A-502A) is swept into the center of the bore using the A-501(A) sweep unit, then the target is placed in the fixture and the reading is taken.



*The T-218 2-Axis "See-through" Target*

## **Target Features**

- **10x10 mm PSD (position sensing device).** (Note: For a large-range see-through target, see the T-1220 datasheet).
- **Used with Hamar Laser's Bore Alignment Lasers, such as the L-700, L-705, L-706 and L-708.**
- **Compatible with the R-1307 Series of readouts (the R-1307C, R-1307-900, R-1307-2.4 and A-910-2.4ZB), the R-1308 Single-Axis Readout and Hamar Laser alignment software.**
- **Can be used with the T-225L Large-Bore Flange Adapter, tooling sphere and turbine mounting fixtures.**
- **Compatible with the T-230 Target Stand.**

## **Applications**

- **Turbine bores**
- **Hinge lines**
- **General alignment of large bores**
- **Cam/Crankshaft/Cylinder Bore Alignment/Inspection**
- **Bar feeders**



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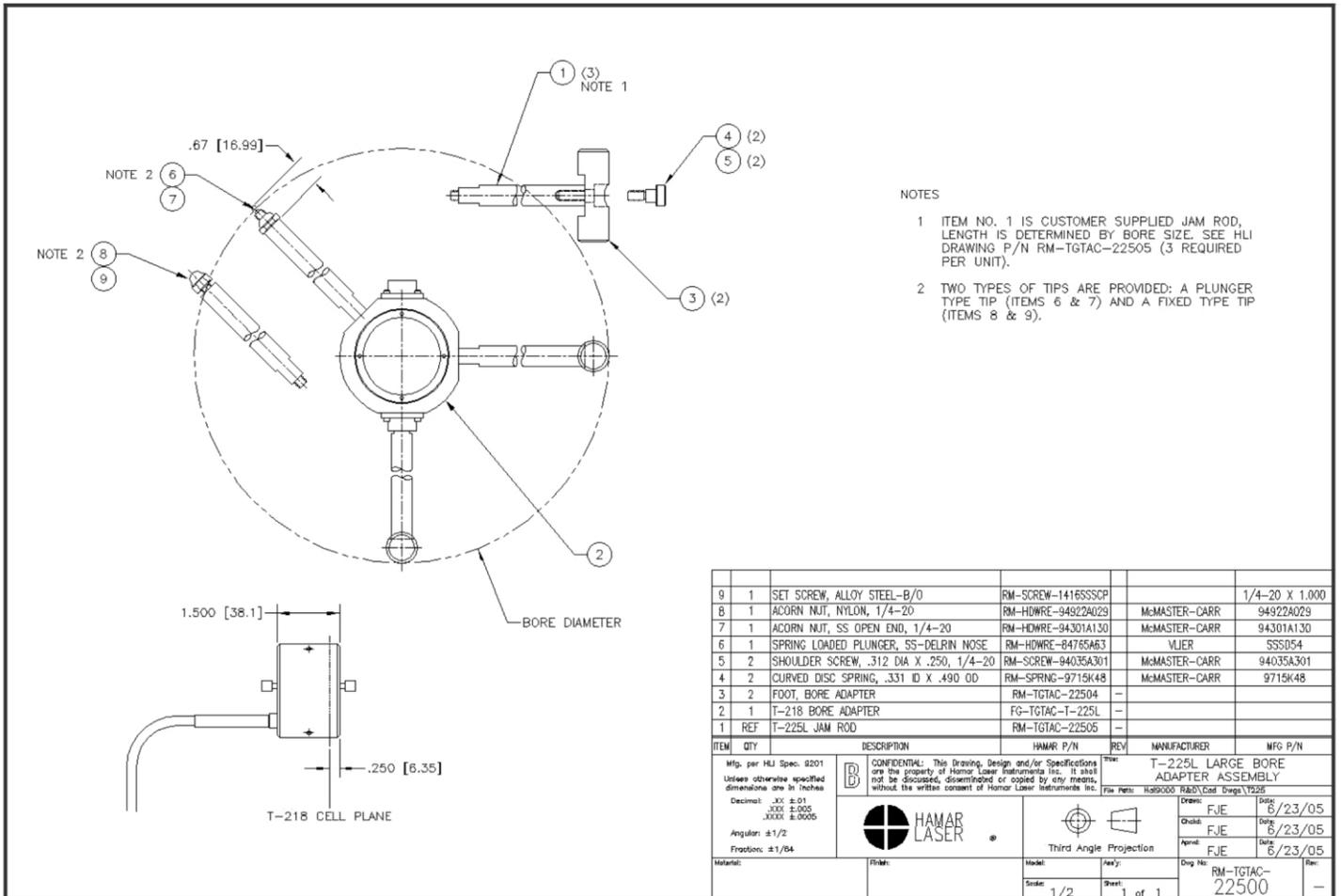
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# Specifications

## The T-218 2-Axis "See-through" Target



<b>Weight</b>	15 oz. (429 G)
<b>Material</b>	440C Stainless Steel, RC54 hardness
<b>Resolution</b>	Center: .00002" (0.0005 mm) with R-1307 Readouts
<b>Linearity</b>	±1.5 mm: error is < 2% ± 3 mm: error is < 5%
<b>Range</b>	± .100" (2.5 mm) in both axes
<b>Concentricity of PSD to Housing</b>	Within .0005" (0.013 mm) TIR
<b>Cord Dimensions</b>	Target to connector: 10 feet (3.05 meters)
<b>Connector</b>	8 pin CPC
<b>Mounting Dimension</b>	2.2490" - 2.2495" (57.125 mm to 57.137 mm) outer diameter