

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 version has an adapter flange for turbine alignment applications and works much the same as reference targets. The A-502A target fixture 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).**
- **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

- **Bar feeders**
- **Cam/Crankshaft/Cylinder Bore Alignment/Inspection**
- **General alignment of large bores**
- **Lathe steady-rests**
- **Turbine bores**



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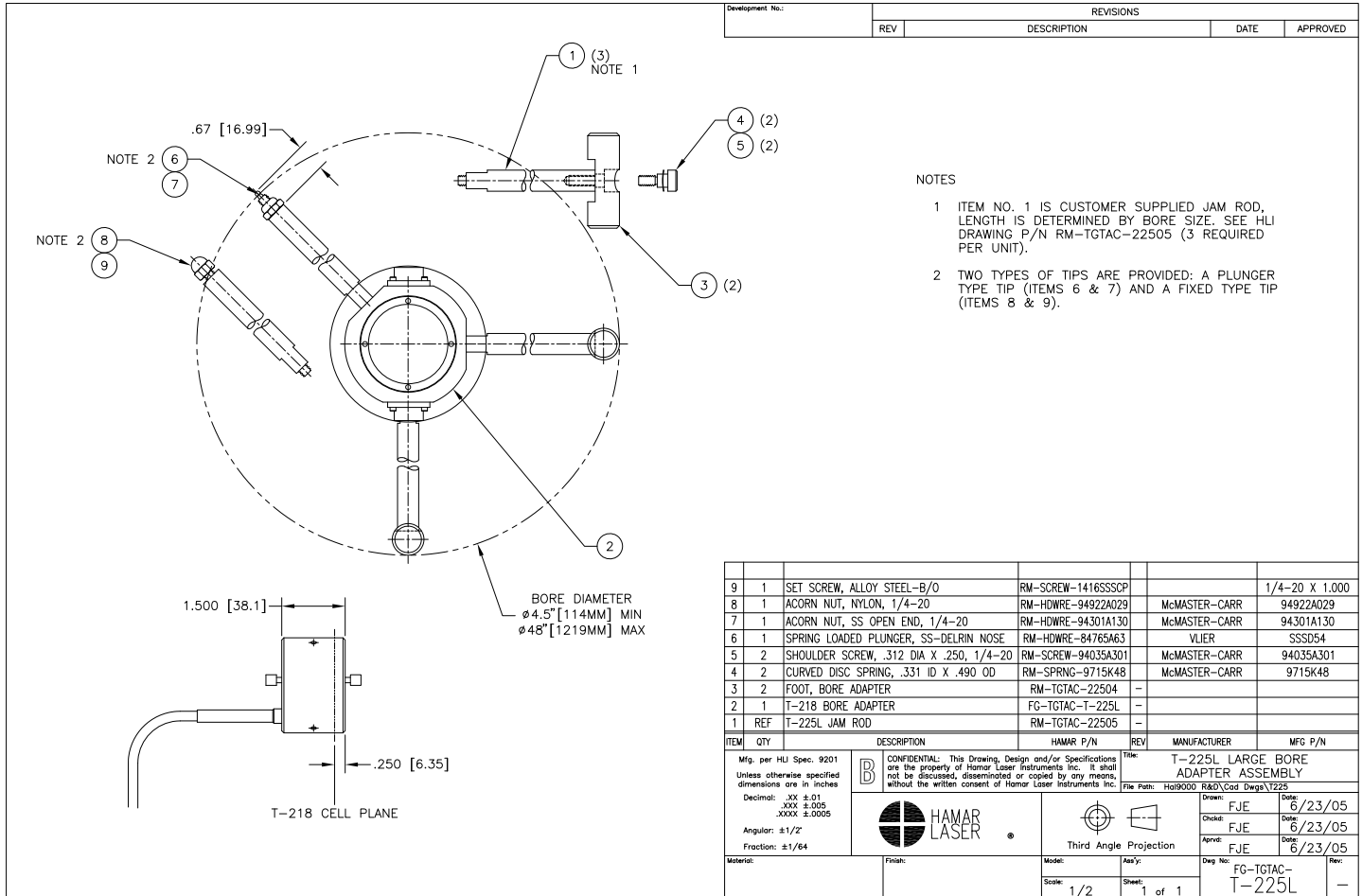
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Specifications

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



Weight	15 oz. (429 G)
Material	440C Stainless Steel, RC54 hardness
Resolution	Center: .0001 in. (0.001 mm) with R-1307 Readouts
Linearity	±1.5 mm: error is < 2% ± 3 mm: error is < 5%
Measurement Range	± .100 in. (2.5 mm) in both axes
Bore Diameter Range	4.5 in. to 48 in. (114 -1219 mm) with T-225L Large Bore Adapter
Concentricity of PSD to Housing	Within .0005 in. (0.013 mm) TIR
Cord Dimensions	Target to connector: 10 ft. (3.05 m)
Connector	14-Pin Stainless Steel Lemo
Mounting Dimension	2.2490 in. - 2.2495 in (57.125 mm to 57.137 mm) outer diameter