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.

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.
- 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
Specifications

The T-218 2-Axis “See-through” Target

Weight
15 oz. (429 G)

Material
440C Stainless Steel, RC54 hardness

Resolution
Center: .0001 in. (0.0005 mm) with R-1307 Readouts

Linearity
±1.5 mm: error is < 2%
± 3 mm: error is < 5%

Range
± .100 in. (2.5 mm) in both axes

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