

The T-1220 2-Axis Bore Target with See-Through Capability

High accuracy and measuring range with see-through capability for large bore centering applications

Hamar Laser's new T-1220 Target is a 2-axis, large-range target with see-through capability designed for large-bore centering applications such as turbines or stern tubes, and also for long distance applications using the L-708LD Laser. The T-1220 can be used with the T-1225(L) flange(s) adapter, the T-1230 target stand or custom fixtures. Compatible lasers include the L-700, L-705, L-706, L-708, L-708LD and L-741.



Target Features

- 20x20 mm PSD, offering twice the measuring range of the T-220 Target.
- See-through capability. Prism flips out of the way to allow the laser beam to pass through to other targets without having to remove the target.
- Higher accuracy, super-linear PSD with up to 1 micron resolution and <1% error over the full measuring range.
- Compatible with the R-1307 Series of readouts (the R-1307C, R-1307-2.4 and A-910-2.4ZB) and Hamar Laser alignment software to perform straightness checks on bores from 6 in. (152.4 mm) to 40 in. (1 m).
- Uses the T-1225L Large-Bore Centering Fixture with user-suppliable legs to measure bores or customers' fixtures.
- Compatible with the T-1230 Target Stand.
- Removable cable that can be inserted into both the front and back of the target.

Applications

- Stern tube bores and shaft bearing alignments on large ships
- Long-distance applications where the L-708LD Laser is used
- General alignment of large bores where a big misalignment is expected
- Cam/Crankshaft/Cylinder Bore Alignment/Inspection
- Turbine Bores



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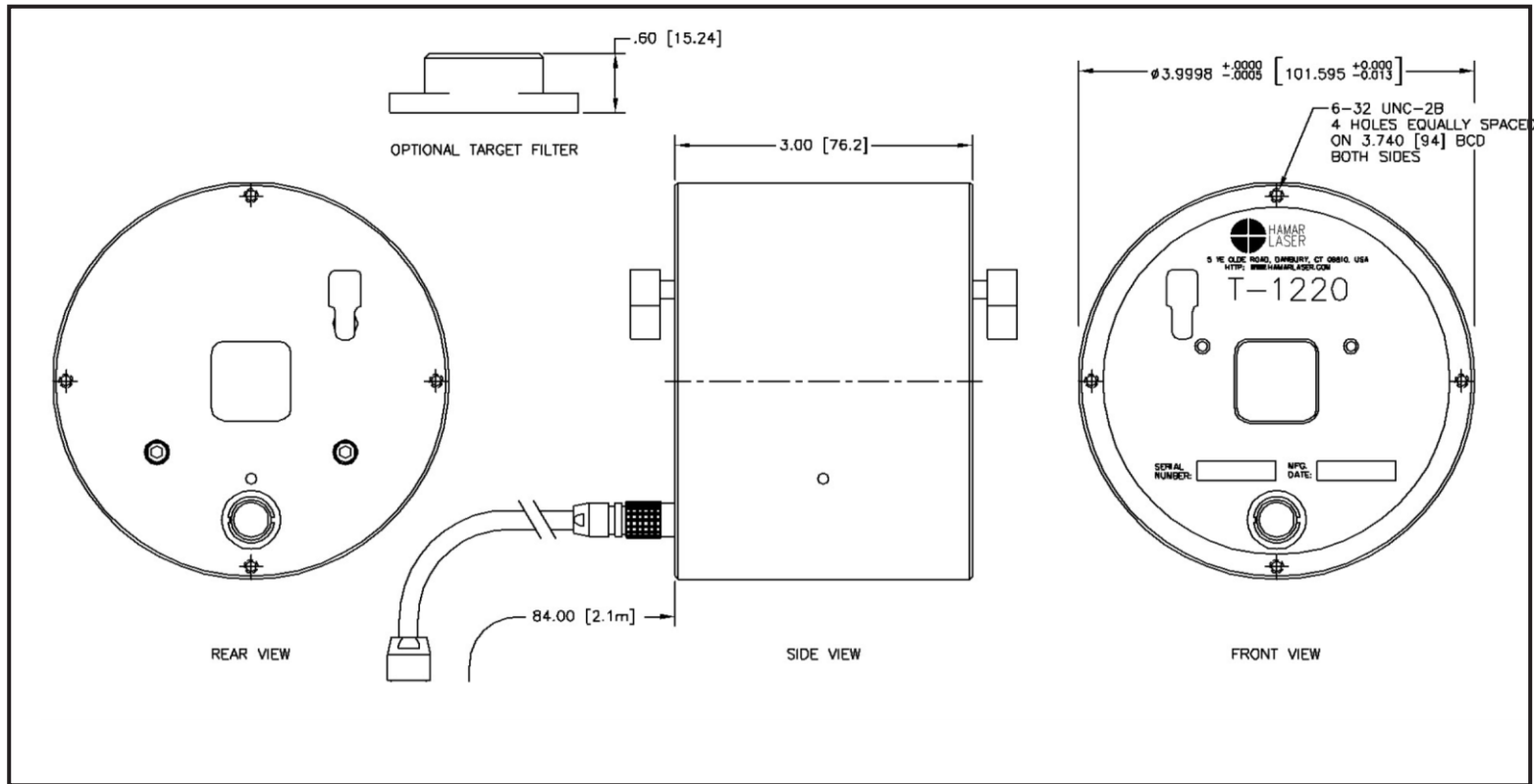
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Specifications

The T-1220 2-Axis Bore Target



Weight	4.4 lbs. (2.0 kg)
Material	440C Stainless Steel
Resolution	.00002 in. (.0005 mm) with R-1307 Readout
Target Cell Error	<1% over the effective measuring range
PSD Size and Type	.78 x .78 in. (20 x 20 mm) 2-axis, see-through capability
Measuring Range (Standard Lasers)	$\pm .295$ in. (± 7.5 mm) in both axes
Measuring Range (Long Distance Laser)	$\pm .100$ in. (± 2.5 mm) in both axes
Cord Dimensions	Target to connector: 10 ft. (3.05 m). Removable cable with Lemo connector
Connector	Lemo 9-pin metal - located on front and back of target
Mounting Dimension	3.9993 in. to 3.9998 in. (101.582 mm to 101.595 mm) outer diameter
PSD Concentricity	PSD concentric to mounting surface to within .0005 in. (0.0127 mm) TIR (electrical center to mechanical center)