

OSID-R Laser Alignment Tool (OSP-002) Service Note

March 2026

Impacted Products

This service note applies to laser tool OSP-002 used in conjunction with OSID-R beam detector.

Problem

We have identified a problem with the fitment of the laser tool (OSP-002) where it doesn't fit tightly into the alignment hole of the OSID-R detectors. The main reason being the laser alignment shaft was originally designed for OSID-DE detectors.

Analysis

The size of the beam detector's housing hole is 5.25mm (0.207") as shown in Figure 1. Whereas the diameter size of the metal rod is 4.9mm (0.192") as shown in Figure 2. Therefore, the gap between the hole and rod is $5.25\text{mm} - 4.9\text{mm} = 0.35\text{mm}$ (0.013").

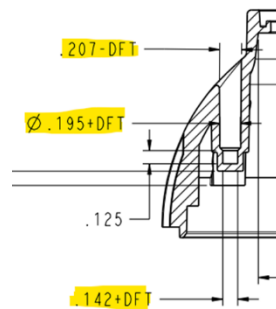


Figure 1: Beam Detector Housing Hole



Figure 2: Laser Alignment Tool Diameter

Solutions

New Enhanced SKU

The SKU OSP-002 will contain one handle and two alignment tool shafts; for OSID-DE and OSID-R. Please use the one shown in Figure 3 below for OSID-R.

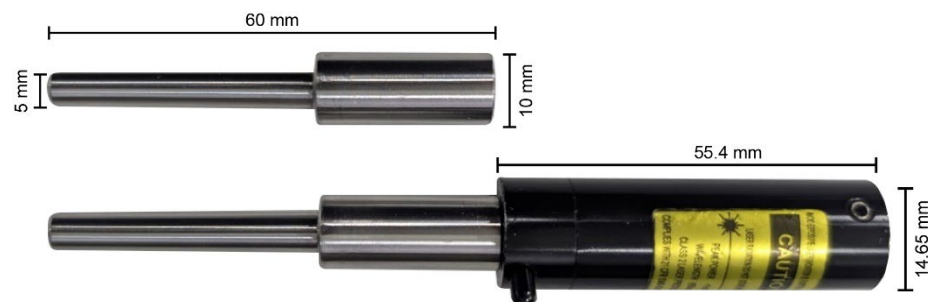


Figure 3: OSID-R Laser Alignment Tool

Existing OSID-DE Shaft Solution

If you have the existing OSID-DE alignment shaft, insert a piece of 5mm diameter drinking straw or hard rubber sleeve into the laser alignment tool rod as shown in Figure 4 to align the OSID-R eyeball.



Figure 4: OSID-DE Laser Alignment Tool with a 5mm Diameter Straw

Recommended Practice

It is recommended to gently push the OSID-R eyeball towards the detector and hold in place firmly while locking in on the target, especially for aligning detectors covering long distances (70 meters or higher).

This practice is to ensure maintaining the initial alignment, which was done with the laser tool before locking the detector's eyeball.

Affected SKU

This new OSID-R shaft using the same existing SKU:

SKU	Description
OSP-002	OSID-DE and OSID-R Laser Alignment tool
OSID-INST*	OSID-DE Installation Kit

* The OSID-DE Installation Kit (OSID-INST), which includes OSP-002, is also affected by this change.

Availability

The new shaft will be introduced under the same SKU starting March 2026.

Contact

Should you have any questions regarding this notice, please contact your Regional Sales Manager or Customer Service Representative.