

## FIELD INSTALLATION QUICK GUIDE

# Installation Instructions

Bently Nevada 146054-34-20-02-05

3/8-24 UNF ceramic capped proximity probe



|                |                                          |
|----------------|------------------------------------------|
| PRODUCT        | 146054-34-20-02-05                       |
| THREAD         | 3/8-24 UNF                               |
| ORDERED LENGTH | 2.0 m (6.6 ft) total length              |
| APPROVAL       | CSA, ATEX and IECEx / Multiple Approvals |

Prepared by Amikon Limited from official Datasheet 172932 Rev. J. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

## 01 CONFIRM THE ORDERED CONFIGURATION

|                         |                                                                    |
|-------------------------|--------------------------------------------------------------------|
| Thread / mounting       | 3/8-24 UNF                                                         |
| Armor / input           | Without armor                                                      |
| Unthreaded / full scale | Threaded case configuration                                        |
| Case / construction     | 3.4 in overall case length                                         |
| Cable / system          | 2.0 m (6.6 ft) total length                                        |
| Connector / output      | Miniature coaxial ClickLoc connector; standard cable; no protector |
| Approval option         | CSA, ATEX and IECEx / Multiple Approvals                           |

## 02 MECHANICAL MOUNTING

- Verify the complete order number 146054-34-20-02-05 before installation.
- Use the specified 3/8-24 UNF mounting and protect sensing or terminal surfaces.
- Preserve the ordered Threaded case configuration and 3.4 in overall case length mechanical configuration.
- Do not force the case, cable, connector, terminals, or mounting hardware.
- Confirm compatible system components before commissioning.

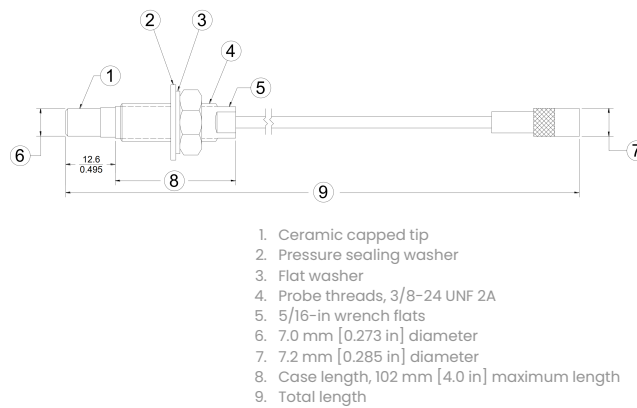
## MECHANICAL INSTALLATION DRAWING

3300 Ceramic Capped Probe  
Datasheet

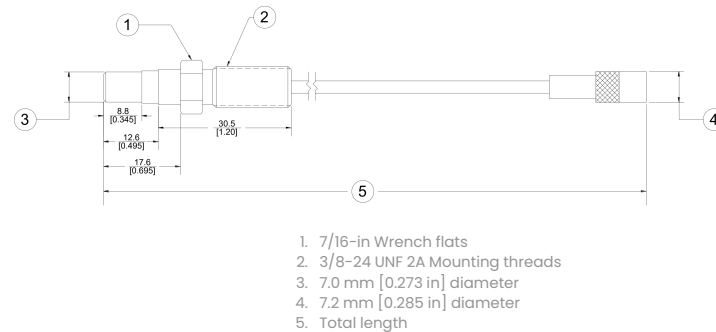
172932 Rev. J

### Graphs and Figures

 Note: All dimensions shown in millimeters [inches] except as noted.



**Figure 1: Probe 146054, 3/8-24 Thread Forward Mount (Note 4-inch maximum case length)**



**Figure 2: Probe 146055, 3/8-24 Thread Reverse Mount, Suitable For Use In 31000 or 21000 Housings.**

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## CABLE ROUTING AND CONNECTION

- Maintain the ordered 2.0 m (6.6 ft) total length configuration.
- Route signal wiring away from high-voltage power conductors.
- Protect cable, connector and terminals from contamination and moisture.
- Do not exceed manufacturer bend-radius or connector-torque limits.
- Verify grounding and hazardous-area requirements before energizing.

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## INITIAL GAP AND SYSTEM CHECKS

- Complete wiring and compatibility checks before commissioning.
- Confirm gap voltage, loop current, or axial position using the official procedure.
- Verify monitor or control-system channel configuration and alarm logic.
- Record the installed order number and measured baseline values.

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## CONTROLLED DOCUMENTS

|                    |                              |
|--------------------|------------------------------|
| Official datasheet | 172932 Rev. J                |
| Product record     | 146054-34-20-02-05           |
| Manufacturer       | Baker Hughes / Bently Nevada |
| Support            | INFO@AMIKON.CN               |