

# 330101-00-36-10-01-00

## 3300 XL 8 mm Proximity Probe

Bently Nevada 330101-00-36-10-01-00 is an unarmored 3300 XL 8 mm proximity probe with a 3.6-inch case and 1.0 m standard cable. The ClickLoc connection includes a protector.

### ENGINEERING QUICK REFERENCE

| MODEL DETAIL        | DOCUMENTED VALUE           |
|---------------------|----------------------------|
| Base model          | 330101                     |
| Mounting thread     | 3/8-24 UNF                 |
| Armor               | Without armor              |
| Unthreaded length   | 0.0 in                     |
| Overall case length | 3.6 in                     |
| Total probe length  | 1.0 m                      |
| Connector           | Miniature coaxial ClickLoc |

### PRODUCT SNAPSHOT

**BRAND**  
Bently Nevada

**FAMILY**  
Bently Nevada 3300 XL 8 mm

**PART**  
330101-00-36-10-01-00

**DOCUMENT STATUS**  
Controlled engineering copy

**APTER POWER**  
  
WHATSAPP / PHONE  
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# PRODUCT OVERVIEW

330101-00-36-10-01-00 provides non-contacting shaft vibration and position measurement through a protected ClickLoc joint for a matched Bently Nevada 3300 XL 8 mm Proximity Transducer System installation.

Exact article identity 330101-00-36-10-01-00

3300 XL 8 mm Proximity Probe

Documented role: non-contacting shaft vibration and position measurement through a protected

Controlled installation, diagnostics and functional verification

| RELATED APTER POWER PAGES                |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|
| 1 Bently Nevada<br>330910-00-07-05-02-05 | 2 Bently Nevada<br>330102-00-20-10-02-00 | 3 Bently Nevada<br>330101-00-60-10-02-05 |
| 4 Bently Nevada<br>330101-00-40-10-02-05 | 5 Bently Nevada<br>330101-00-40-10-02-00 | 6 Bently Nevada<br>330101-00-40-05-02-00 |
| 7 Bently Nevada<br>330101-00-30-10-02-05 | 8 Bently Nevada<br>330101-00-30-10-02-00 | 9 Bently Nevada<br>330101-00-20-05-02-00 |

## SYSTEM COMPONENTS

| DOCUMENTED COMPONENT | ROLE IN SYSTEM          |
|----------------------|-------------------------|
| Proximity probe      | Matched extension cable |
| Proximitor Sensor    | AISI 4140 target        |

### ENGINEERING CONTEXT

The component remains matched to its documented host position, mating hardware, wiring or cable route and approved configuration. Commissioning preserves that architecture and verifies controlled response.

# TECHNICAL DATA

| PARAMETER           | VALUE                      |
|---------------------|----------------------------|
| Base model          | 330101                     |
| Mounting thread     | 3/8-24 UNF                 |
| Armor               | Without armor              |
| Unthreaded length   | 0.0 in                     |
| Overall case length | 3.6 in                     |
| Total probe length  | 1.0 m                      |
| Connector           | Miniature coaxial ClickLoc |
| Connector protector | Included                   |

| PARAMETER                 | VALUE          |
|---------------------------|----------------|
| Cable                     | Standard cable |
| Approval option           | No approvals   |
| System linear range       | 2.0 mm         |
| Incremental scale factor  | 7.87 V/mm      |
| Recommended gap           | 1.27 mm        |
| Minimum cable bend radius | 25.4 mm        |
| Maximum connector torque  | 0.565 N m      |
|                           |                |

## RELATED PRODUCT PAGES

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### TECHNICAL NOTE

Install 330101-00-36-10-01-00 only in the documented Bently Nevada 3300 XL 8 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting shaft vibration and position measurement through a protected ClickLoc joint under controlled conditions.

# APPLICATIONS & PRECAUTIONS

## COMMON APPLICATIONS

### Machinery-protection planned maintenance

Restores non-contacting shaft vibration and position measurement through a protected ClickLoc joint in the documented monitoring architecture.

### 3300 XL 8 mm Proximity Probe replacement

Uses exact 330101-00-36-10-01-00 identity instead of an adjacent order-code execution.

### Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

### Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

## PRODUCT PRECAUTIONS

1

Confirm the complete 330101-00-36-10-01-00 marking, product role and documented installation position.

2

Place the machinery protection system and connected process in the approved maintenance state.

3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.

4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

5

Verify all manufacturer-documented mechanical and electrical values for this exact execution.

6

Restore the matched host, interfaces, grounding, shielding and approved configuration.

7

Energize under control and review rack, channel or transducer-loop diagnostics.

8

Complete a controlled functional test of non-contacting shaft vibration and position measurement through a protected ClickLoc joint before service release.

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# ENGINEER FAQ

Q1

Is this 330101 variant armored?

No. The 330101 3/8-24 UNF base model is without armor.

Q2

What case is encoded by option 36?

A 3.6-inch overall case with zero unthreaded length.

Q3

How long is the attached cable?

Option 10 specifies a 1.0 m total probe length.

Q4

What is special about connector option 01?

It includes a ClickLoc connector protector on standard cable.

Q5

Were optional agency approvals selected?

No. The final 00 is the no-approval option.

Q6

Can a 1 m probe alone define the whole loop?

No. Match the extension cable and Proximitor Sensor to the selected system length.

Q7

What response scale applies to its matched system?

7.87 V/mm nominal over a 2.0 mm linear range.

Q8

What bend radius must cable routing preserve?

At least 25.4 mm (1.0 in).

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SOURCE

3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN | Baker Hughes /  
Bently Nevada manufacturer datasheet

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