# Bently Nevada 330106-05-30-15-02-00

## Complete Product Information

Bently Nevada 330106-05-30-15-02-00 places a 3300 XL 8 mm sensing tip at the machine measurement point through a M10 x 1 reverse-mount without armor case.

### WHAT THIS PRODUCT DOES

Bently Nevada 330106-05-30-15-02-00 is a 3300 XL 8 mm non-contact probe with a M10 x 1 reverse-mount case, 30 mm fixed overall case and 1.5 m integral lead. It connects through miniature clickloc coaxial connector within a matched transducer system.

**Product characteristic 1**

Uses the M10 x 1 reverse-mount case defined for the 330106 probe family.

**Product characteristic 2**

Provides 5 mm fixed of unthreaded case and 30 mm fixed overall case length.

**Product characteristic 3**

Carries a 1.5 m integral lead with miniature clickloc coaxial connector.

**Product characteristic 4**

Operates as one component of the matched 3300 XL 8 mm transducer chain.

### PRODUCT-PAGE TECHNICAL SNAPSHOT

| | |
|---|---|
| **Transducer family** | 3300 XL 8 mm |
| **Measurement principle** | Non-contact eddy current |
| **Mounting thread** | M10 x 1 reverse-mount |
| **Case construction** | without armor |

**IMPORTANT NOTICE**

Match the complete 330106-05-30-15-02-00 marking and the assigned machine point before removal. Record bias voltage, signal direction and dynamic response during final acceptance.

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# Features and technical data

## TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

| | |
|---|---|
| **Transducer family** | 3300 XL 8 mm |
| **Measurement principle** | Non-contact eddy current |
| **Mounting thread** | M10 x 1 reverse-mount |
| **Case construction** | without armor |
| **Unthreaded section** | 5 mm fixed |
| **Overall case length** | 30 mm fixed |
| **Integral lead length** | 1.5 m |
| **Termination** | Miniature ClickLoc coaxial connector |
| **Approval selection** | Not required |
| **System rule** | Probe plus extension cable equals the selected Proximitor electrical length |

## FEATURE INTERPRETATION

**Product identity**

Uses the M10 x 1 reverse-mount case defined for the 330106 probe family.

**System role**

Provides 5 mm fixed of unthreaded case and 30 mm fixed overall case length.

**Service context**

Carries a 1.5 m integral lead with miniature clickloc coaxial connector.

**Return-to-service focus**

Operates as one component of the matched 3300 XL 8 mm transducer chain.

## SIGNAL OR CONTROL PATH

**Machine target** → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

The probe converts target clearance into the calibrated electrical response of the complete proximity system. The installed probe, extension cable, Proximitor sensor and monitor configuration must remain matched.

## PRODUCT-PAGE TECHNICAL QUESTIONS

| | |
|---|---|
| **How does the 30 mm fixed body function inside the 3300 XL 8 mm chain for 330106-05-30-15-02-00?** | It belongs to the 3300 XL 8 mm proximity-transducer system. |
| **Which mounting boss must match the M10 x 1 reverse-mount, 30 mm fixed interface of 330106-05-30-15-02-00?** | The probe case uses M10 x 1 reverse-mount. |
| **How does its 5 mm fixed unthreaded section affect adjustment of 330106-05-30-15-02-00?** | The selected unthreaded section is 5 mm fixed. |

# Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

**Shaft-relative vibration**

Feeds non-contact shaft motion from the 3300 XL 8 mm sensing point into a matched monitoring channel.

**Axial or radial position**

Tracks static shaft position where the installed target and channel configuration permit.

**Machine protection input**

Supplies the conditioned transducer chain used for alarms, trips and condition monitoring.

**Commissioning response check**

Supports gap, polarity and proportional-response checks after installation.

## APPLICATION VERIFICATION MAP

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|---|---|
| **Shaft-relative vibration** | Confirm the documented system position and the required operating function. |
| **Axial or radial position** | Compare the restored connection or control path with the approved record. |
| **Machine protection input** | Check the physical interface and the retained configuration before startup. |
| **Commissioning response check** | Record diagnostics and the final controlled response before release. |

## INFORMATION CARRIED INTO THE WORK RECORD

**Identity record**

Complete marking and assigned system position.

**Connection record**

Connector, conductor and interface arrangement as found.

**Configuration record**

Controlled settings, application data and option state.

**Acceptance record**

Observed status, response and release decision.

**IMPORTANT NOTICE**

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

## APPLICATION QUESTIONS

| | |
|---|---|
| **How does its 5 mm fixed unthreaded section affect adjustment of 330106-05-30-15-02-00?** | The selected unthreaded section is 5 mm fixed. |
| **What clearance confirms the 30 mm fixed body can reach the target for 330106-05-30-15-02-00?** | The ordering string specifies 30 mm fixed overall case length. |
| **Why is the 1.5 m lead included in the 3300 XL 8 mm electrical length of the 30 mm fixed probe 330106-05-30-15-02-00?** | The probe contributes 1.5 m of integral cable to the matched electrical length. |

# Product precautions and questions

## EIGHT MODEL-SPECIFIC PRECAUTIONS

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|---|---|
| **01** | Match the complete 330106-05-30-15-02-00 marking and the assigned machine point before removal. |
| **02** | Confirm the M10 x 1 reverse-mount mounting interface and usable thread engagement before tightening. |
| **03** | Keep the probe inside a matched 3300 XL 8 mm probe, extension-cable and Proximitor chain. |
| **04** | Protect the sensing tip, lead and ClickLoc contacts from impact, contamination and moisture. |
| **05** | Route the integral lead away from hot surfaces, rotating parts and sharp bend points. |
| **06** | Use only the connector hardware included by the selected cable option. |
| **07** | Set the initial gap against the approved target material before enabling alarms. |
| **08** | Record bias voltage, signal direction and dynamic response during final acceptance. |

## FREQUENTLY ASKED TECHNICAL QUESTIONS

| | |
|---|---|
| **How does the 30 mm fixed body function inside the 3300 XL 8 mm chain for 330106-05-30-15-02-00?** | It belongs to the 3300 XL 8 mm proximity-transducer system. |
| **Which mounting boss must match the M10 x 1 reverse-mount, 30 mm fixed interface of 330106-05-30-15-02-00?** | The probe case uses M10 x 1 reverse-mount. |
| **How does its 5 mm fixed unthreaded section affect adjustment of 330106-05-30-15-02-00?** | The selected unthreaded section is 5 mm fixed. |
| **What clearance confirms the 30 mm fixed body can reach the target for 330106-05-30-15-02-00?** | The ordering string specifies 30 mm fixed overall case length. |

| | |
|---|---|
| **IMPORTANT NOTICE** | Match the complete 330106-05-30-15-02-00 marking and the assigned machine point before removal. Record bias voltage, signal direction and dynamic response during final acceptance. |

## RELEASE CHECKLIST

| | |
|---|---|
| **Identity accepted** | The complete product marking and assigned system position agree. |
| **Interfaces accepted** | Connections, retention and controlled configuration match the recorded condition. |
| **Response accepted** | Diagnostics and the intended technical response have been documented. |

# FAQ, configuration control and related models

## ADDITIONAL TECHNICAL QUESTIONS

| | |
|---|---|
| **Why is the 1.5 m lead included in the 3300 XL 8 mm electrical length of the 30 mm fixed probe 330106-05-30-15-02-00?** | The probe contributes 1.5 m of integral cable to the matched electrical length. |
| **What must be inspected on the Miniature ClickLoc coaxial connector fitted to the 30 mm fixed body of 330106-05-30-15-02-00?** | It uses Miniature ClickLoc coaxial connector. |
| **Why must the extension cable stay paired with the 30 mm fixed/1.5 m probe 330106-05-30-15-02-00?** | Changing probe or extension-cable length changes the calibrated electrical path to the Proximitor sensor. |
| **How do bias voltage and direction confirm the M10 x 1 reverse-mount, 30 mm fixed probe is gapped on 330106-05-30-15-02-00?** | A controlled target movement should produce the expected bias change and proportional channel response without diagnostic faults. |

## CONFIGURATION CONTROL RECORD

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|---|---|
| **Configuration identity** | Bently Nevada 330106-05-30-15-02-00 |
| **Technical boundary** | Apply only the functions and interfaces shown for this product or its identified system family. |
| **Selection control** | Match the complete ordering string and installed interfaces before purchase or installation. |

## RELATED MODELS ON APTERPOWER

| | |
|---|---|
| Bently Nevada 330104-00-07-10-02-cn | Related product reference. Review the complete ordering string before selection. |
| Bently Nevada 330104-00-08-10-01-05 | Related product reference. Compare the required interface and system position. |
| Bently Nevada 330130-080-03-00 | Related product reference. Confirm the execution independently for the intended task. |

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