# Bently Nevada 330910-05-10-02-00

COMPLETE PRODUCT INFORMATION



Bently Nevada 330910-05-10-02-00 is an armored, M10 x 1 member of the 3300 XL NSv proximity-probe family for non-contacting shaft vibration and position measurements in tight installations.

## Exact identity

| | |
|---|---|
| **Supplied identifier** | 330910-05-10-02-00 |
| **Base family** | 330910 3300 NSv probe |
| **Thread** | M10 x 1 |
| **Cable protection** | Flexible stainless-steel armor |
| **Suffix boundary** | The supplied identifier is retained exactly; undecoded option positions require nameplate confirmation |

## Installed context

| Exact item | Installed context | Acceptance |
|---|---|---|
| 330910-05-10-02-00 | Mating component or rack position | Machine-specific functional check |

## Compact shaft locations

Measure relative shaft motion where the narrow-side-view probe geometry suits the available mounting space.

## Journal-bearing vibration

Feed a matched NSv proximity channel used for relative radial-vibration monitoring.

## Axial position checks

Track target movement when the mounting geometry and calibrated range are suitable.

## Armored lead routing

Use the stainless-steel armor where the probe cable needs mechanical protection along the installed route.

## Related Bently Nevada models

| | |
|---|---|
| **Bently Nevada 330103-00-03-10-02-00** | Related portfolio reference; verify the complete execution. |
| **Bently Nevada 330103-00-20-10-02-00** | Related portfolio reference; verify the complete execution. |
| **Bently Nevada 330104-00-03-05-02-00** | Related portfolio reference; verify the complete execution. |
| **Bently Nevada 330104-02-10-10-02-00** | Related portfolio reference; verify the complete execution. |
| **Bently Nevada 330905-00-03-10-02-00** | Related portfolio reference; verify the complete execution. |
| **Bently Nevada 330980-51-CN** | Related portfolio reference; verify the complete execution. |

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330910-05-10-02-00

## Manufacturer-supported characteristics

| | |
|---|---|
| **Probe Family** | 3300 XL NSv |
| **Base Probe** | 330910 |
| **Mounting Thread** | M10 x 1 |
| **Cable Protection** | Flexible AISI 302 stainless-steel armor |
| **System Linear Range** | 1.5 mm (60 mils) |
| **Recommended Gap** | 1.0 mm (40 mils) |

## Additional data

| | |
|---|---|
| **Nominal Scale Factor** | 7.87 V/mm (200 mV/mil) |
| **Reference Target** | Bently Nevada AISI 4140 steel target |
| **Proximitor Power** | -17.5 to -26 Vdc without barriers |
| **Maximum Proximitor Current** | 12 mA |
| **Field Wiring** | Three-conductor shielded triad recommended |
| **Maximum Field-Wiring Length** | 305 m (1,000 ft) between Proximitor and monitor |

## Interpretation boundary

Retain the complete 330910-05-10-02-00 identifier. The current manufacturer ordering table shows five option positions after 330910, so no omitted position or length value is inferred from this four-position supplied marking.

## Evidence discipline

Unverified weight, dimensions and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

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## 01 / Field precaution

Read and record the full 330910-05-10-02-00 marking before removal.

## 02 / Field precaution

Do not infer a missing ordering position; compare the nameplate with the installed-system record.

## 03 / Field precaution

Verify M10 x 1 thread engagement and probe-tip clearance before tightening.

## 04 / Field precaution

Match the probe and extension cable to the selected NSv Proximitor electrical length.

## 05 / Field precaution

Keep ClickLoc connections clean, insulated from ground and assembled to the specified method.

## 06 / Field precaution

Support the armored lead without kinking or loading the probe body.

## 07 / Field precaution

Set and document the static gap against the correct target material.

## 08 / Field precaution

Verify the recovered gap voltage and dynamic signal before enabling protection logic.

## Acceptance checkpoints

| | |
|---|---|
| **Identity** | Full model and nameplate recorded |
| **Mechanical** | Mounting, enclosure and routing inspected |
| **Electrical** | Power, loop or cable checks follow the applicable source |
| **Integration** | Mating components and system length confirmed |
| **Acceptance** | Machine-specific functional result recorded |

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## What probe family does Bently Nevada 330910-05-10-02-00 belong to?

It belongs to the 3300 XL NSv proximity-transducer family.

## Which thread is used by Bently Nevada 330910-05-10-02-00?

The 330910 base identifies an M10 x 1 threaded probe.

## Does Bently Nevada 330910-05-10-02-00 have cable armor?

Yes. The 330910 base is the armored M10 x 1 NSv probe construction.

## What linear range applies to the matched Bently Nevada 330910-05-10-02-00 system?

The matched NSv system is specified for a 1.5 mm (60 mil) linear range under the stated reference conditions.

## What gap is recommended for Bently Nevada 330910-05-10-02-00?

The NSv system reference gap is 1.0 mm (40 mils); the installed point still requires a recorded acceptance check.

## Can a nearby probe suffix replace Bently Nevada 330910-05-10-02-00?

No. Compare the complete marking, mechanical lengths, cable execution, connector and approval selection.

## Why are some option meanings omitted for Bently Nevada 330910-05-10-02-00?

The supplied marking has fewer option groups than the current manufacturer table, so unsupported positions are intentionally not decoded.

## What confirms commissioning of Bently Nevada 330910-05-10-02-00?

Record the exact component chain, static gap, gap voltage, dynamic response and the accepted machine-channel result.

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## Evidence record

| | |
|---|---|
| **Manufacturer** | Bently Nevada, a Baker Hughes company |
| **Reference** | 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R |
| **Exact identifier** | 330910-05-10-02-00 |
| **Evidence boundary** | Only directly supported family and ordering statements are used |

## Related Bently Nevada models

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## Recommendation rule

Brand + model links identify related Bently Nevada pages. They do not claim compatibility or substitution.

## Service record

Retain exact identity, installed point, companion components, as-found condition, inspection evidence and machine-specific acceptance result.

## Manufacturer evidence

147385 Rev. R: NSv system function and reference conditions pp. 1-2; probe family and ordering table p. 12; 330910 M10 x 1 armored construction p. 30.


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