330908-00-20-10-02-05

3300 XL NSv Proximity Probe

Bently Nevada 330908-00-20-10-02-05 is a compact 3/8-24 UNF NSv proximity probe with a 2.0 in case and 1.0 m standard lead.

Executive product dashboard

Flush threaded geometry

The sensing end transitions directly into the 3/8-24 case for compact machine mounting.

Small-target measurement

NSv system geometry supports reduced shafts and targets when the documented spacing rules are applied.

Direct service connection

The standard ClickLoc joint remains accessible without a factory-installed protector.

Exact order-code identity

Probe family	3300 XL NSv
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	1.0 m
Connector and cable option	02 - ClickLoc, standard cable
Agency approval option	05 - Multiple approvals
Probe thread	3/8-24 UNF-2A
Probe construction	Standard mount, without armor

This 330908 execution has no unthreaded reach ahead of its 3/8-24 UNF case and uses a 2.0 in overall body. The compact geometry must be matched to the installed port, locknut and target location.

Configuration and technical capability map

Cable construction	75 ohm triaxial, FEP insulated
System scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz, +0/-3 dB typical
Minimum cable bend radius	25.4 mm

System linear range	1.5 mm (60 mils), matched NSv system
Recommended gap	1.0 mm (40 mils)
Recommended flat target	13 mm diameter minimum

Installed signal or connection path



System interpretation boundary

The 1.0 m standard triaxial lead ends in a ClickLoc connector without a factory-installed protector. Routing and environmental protection must therefore be reviewed for the actual probe-to-extension joint.

NSv range and scale values apply to a matched probe, extension cable and Proximitor Sensor. Small-target and tight-counterbore installations require additional attention to gap, shaft diameter and cross-talk during commissioning.

Applications and installed-fit decisions

Compact threaded ports

Use the flush 3/8-24 case where the machine geometry does not require an unthreaded reach.

Small target measurements

Review the documented flat-target diameter and scale-factor effects before acceptance.

Restricted side-view locations

Use the NSv body where standard 8 mm probe clearance is insufficient.

Phase and speed reference

Confirm target feature and the receiving-channel range before using the probe for timing duty.

Engineering decision matrix

What does zero unthreaded length mean for 330908-00-20-10-02-05?	The 3/8-24 thread begins directly behind the sensing end, so port depth and locknut position establish the final tip location.
How should the 2.0 in case of 330908-00-20-10-02-05 be checked?	Confirm the complete threaded-port depth, engagement and target clearance rather than matching only the thread diameter.
Is a connector protector included with 330908-00-20-10-02-05?	No. Option 02 is the standard ClickLoc cable without a protector; add only the approved protection needed by the installed environment.
What small-target limit applies to 330908-00-20-10-02-05?	A 13 mm flat target is recommended; smaller targets can change scale factor and require closer application review.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

Product precautions and maintenance logic

Verify zero unthreaded reach

Do not substitute a visually similar long-reach 330908 execution.

Check the 2.0 in case depth

Confirm the installed thread and locknut geometry against the drawing.

Plan connector protection

Option 02 has no factory-installed protector; apply the approved environmental protection separately if required.

Respect target limitations

Small targets and tight counterbores can change scale factor at far gaps.

Limit probe cross-talk

Maintain documented tip separation or approved axial offset on small shafts.

Verify live response

Set gap and compare the restored channel with its accepted baseline.

Additional technical questions

How can cross-talk be reduced for 330908-00-20-10-02-05 on a small shaft?	Maintain the NSv tip separation guidance or use the documented axial offset arrangement while preserving required measurement travel.
Which electrical length begins with 330908-00-20-10-02-05?	The probe contributes 1.0 m; the extension cable and Proximitor Sensor must complete the intended NSv system length.
How is 330908-00-20-10-02-05 proven after installation?	Set the approved live gap, observe stable bias and compare runout, vibration, position or phase response with the prior channel record.
What approval information accompanies 330908-00-20-10-02-05?	Code 05 selects the documented multiple-approval option; use the applicable certified installation drawing for the actual circuit.

Technical notes

Exact configuration	3/8-24 UNF NSv probe without armor, 0.0 in unthreaded length, 2.0 in case, 1.0 m standard lead and multiple approvals
Connector boundary	Option 02 does not include a factory-installed connector protector
Technical reference	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R

Source record, related portfolio and contact

Manufacturer reference	Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet 147385 Rev. R
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references

Recommended product	Bently Nevada 330980-70-05
Recommended product	Bently Nevada 330425-01-00
Recommended product	Bently Nevada 330500-07-00
Recommended product	Bently Nevada 330706-005-046-10-02-00
Recommended product	Bently Nevada 200355-00-00-00



Discuss the exact marking and installed relationship with Apter Power.
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Use the complete marking, installed relationship, photographs and measured baseline as the service record for 330908-00-20-10-02-05.