

INDUSTRIAL MACHINERY MONITORING PRODUCT

330903-00-07-10-01-00

3300 XL NSv Metric Proximity Probe

Bently Nevada 330903-00-07-10-01-00 is an unarmored M8 x 1 NSv probe with 0 mm unthreaded length, 70 mm case, 1.0 m total length and a standard ClickLoc connector with protector. The final 00 option specifies no agency approval.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	330903-00-07-10-01-00	HS code	8537101190
Product	3300 XL NSv Metric Proximity Probe	Ship from	Xiamen, Fujian, China
Family	3300 XL NSv Proximity Transducer System	Dimensions	

DOCUMENT SCOPE

Exact model identity, supported configuration data, installation checks, applications, precautions and controlled acceptance records.

MODEL-SPECIFIC ENGINEERING NOTE

Install 330903-00-07-10-01-00 with a matched NSv extension cable and Proximity Sensor so the complete electrical length is 5 m or 7 m. Set the gap on the installed target only after verifying case clearance, cable routing and channel configuration.

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Verified Product Record

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
Probe thread	M8 x 1
Aarmor	None
Unthreaded length	0 mm
Overall case length	70 mm
Total length	1.0 m
Connector option	Standard ClickLoc with protector
Agency approval	None

Installation Boundary

ENGINEERING BOUNDARY

Install 330903-00-07-10-01-00 with a matched NSv extension cable and Proximitor Sensor so the complete electrical length is 5 m or 7 m. Set the gap on the installed target only after verifying case clearance, cable routing and channel configuration.

CHECK	REQUIRED RECORD
Identity	330903-00-07-10-01-00
Installed arrangement	Position, mating hardware, cable and termination
Configuration	Associated module or monitor channel
Acceptance	Diagnostics and controlled functional proof

SOURCE BOUNDARY

Baker Hughes / Bently Nevada publication 147385 Rev. R. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

Bently Nevada 330903-00-07-10-01-00 is an unarmored M8 x 1 NSv probe with 0 mm unthreaded length, 70 mm case, 1.0 m total length and a standard ClickLoc connector with protector. The final 00 option specifies no agency approval.

IDENTITY

Record 330903-00-07-10-01-00 from the physical marking.

INTERFACE

Document every mating part, connector and cable before disturbance.

CONFIGURATION

Confirm the associated system and channel using manufacturer records.

ACCEPTANCE

Restore the documented arrangement and prove operation before release.

Controlled Installation Checklist

NO.	CHECK
1	Verify the full 330903-00-07-10-01-00 marking before installation.
2	Use an M8 x 1 tapped hole with no more than 12 mm probe-thread engagement.
3	Apply the published M8 probe torque and do not exceed the maximum case torque.
4	Keep the 1.0 m cable above the published 25.4 mm minimum bend radius.
5	Protect the PPS tip from impact and keep the connector clean and dry.
6	Confirm the extension cable and Proximity Sensor produce a 5 m or 7 m NSv system.
7	Verify target size, shaft diameter and probe-to-probe separation before gapping.
8	Prove static gap, dynamic response and the configured monitor channel before release.

Applications and Model-Specific FAQ

TIGHT-ACCESS RADIAL VIBRATION

Fits compact counterbore locations in supported rotating machinery.

AXIAL POSITION MEASUREMENT

Measures controlled shaft position with a matched NSv loop.

KEYPHASOR REFERENCE

Supports phase-reference or speed functions under manufacturer guidance.

COMPRESSOR MONITORING

Serves small-target measurements on supported centrifugal or process-gas compressors.

QUESTION	ANSWER
What tapped-hole engagement limit applies to 330903-00-07-10-01-00?	For the M8 x 1 case, the published maximum thread engagement is 12 mm.
Does 330903-00-07-10-01-00 include a connector protector?	Yes. Connector option 01 is the standard ClickLoc coaxial connector with protector.
How must the 1.0 m lead on 330903-00-07-10-01-00 be completed electrically?	Use the matching NSv extension cable and sensor so the installed system totals 5 m or 7 m.
Which tightening value is recommended for 330903-00-07-10-01-00?	The M8 x 1 recommended probe torque is 5.1 N m; never exceed the published maximum.
What nominal gap should be established for 330903-00-07-10-01-00?	The published recommended gap is 1.0 mm, subject to target and installation verification.
What target face is needed when accepting 330903-00-07-10-01-00?	The minimum flat target is 8.9 mm diameter and 13 mm is recommended.
How closely may another NSv probe be mounted beside 330903-00-07-10-01-00?	Maintain at least 25 mm axial separation or 23 mm radial separation to control cross-talk.
What cold-temperature caution applies to 330903-00-07-10-01-00?	The probe is rated to -52 C, but prolonged exposure below -34 C can prematurely fail the pressure seal.

Precautions and Related Products

NO.	PRECAUTION
1	Verify the full 330903-00-07-10-01-00 marking before installation.
2	Use an M8 x 1 tapped hole with no more than 12 mm probe-thread engagement.
3	Apply the published M8 probe torque and do not exceed the maximum case torque.
4	Keep the 1.0 m cable above the published 25.4 mm minimum bend radius.
5	Protect the PPS tip from impact and keep the connector clean and dry.
6	Confirm the extension cable and Proximitor Sensor produce a 5 m or 7 m NSv system.
7	Verify target size, shaft diameter and probe-to-probe separation before gapping.
8	Prove static gap, dynamic response and the configured monitor channel before release.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
330901-00-08-05-11-05	Bently Nevada machinery-monitoring component	Open
330901-00-08-10-02-CN	Bently Nevada machinery-monitoring component	Open
330901-00-10-02-00-02	Bently Nevada machinery-monitoring component	Open
330901-00-12-05-02-05	Bently Nevada machinery-monitoring component	Open
330901-00-14-10-02-00	Bently Nevada machinery-monitoring component	Open
330901-00-15-05-02-00	Bently Nevada machinery-monitoring component	Open
330901-00-24-05-02-05	Bently Nevada machinery-monitoring component	Open
330901-00-32-10-02-00	Bently Nevada machinery-monitoring component	Open

MANUFACTURER SOURCE RECORD

3300 XL NSv Proximity Transducer System Datasheet
Baker Hughes / Bently Nevada publication 147385 Rev. R

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