

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.

BRAND	Bently Nevada	ORIGIN	USA
MODEL	330903-00-07-10-01-00	FAMILY	3300 XL NSv Proximity Transducer System
HS CODE	8537101190	SHIP FROM	Xiamen, Fujian, China
DIMENSIONS		PRODUCT	3300 XL NSv Metric Proximity Probe

MANUFACTURER SOURCE RECORD

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

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330903-00-07-10-01-00

Product Overview

SYSTEM FUNCTION

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.

M8 X 1 UNARMORED NSV PROBE

Verified model-specific feature or controlled record item.

70 MM CASE WITH 0 MM UNTHREADED LENGTH

Verified model-specific feature or controlled record item.

1.0 M INTEGRAL PROBE LEAD

Verified model-specific feature or controlled record item.

CLICKLOC CONNECTOR PROTECTOR INCLUDED

Verified model-specific feature or controlled record item.

TECHNICAL NOTE

Install 330903-00-07-10-01-00 with a matched NSv extension cable and Proximito 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.

Technical Data and Acceptance

Acceptance Path

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

1 IDENTITY

Record 330903-00-07-10-01-00.

2 INTERFACE

Document mounting and connections.

3 CONFIGURATION

Confirm system and channel.

4 PROOF

Complete functional acceptance.

ENGINEERING BOUNDARY

Use the exact ordering-code values shown here together with the physical marking and installed-system record. Confirm mounting, connections and the configured channel before release.

Applications and Precautions

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.

Controlled Checks

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 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.

FAQ, Related Products and Source

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.

Related Bently Nevada Products

MODEL	RELATION	APTER POWER PAGE
330901-05-65-05-11-05	Bently Nevada machinery-monitoring component	Open
330901-10-25-10-02-00	Bently Nevada machinery-monitoring component	Open
330901-10-40-10-02-00	Bently Nevada machinery-monitoring component	Open
330901-00-40-10-02-05	Bently Nevada machinery-monitoring component	Open
330901-00-90-10-02-05	Bently Nevada machinery-monitoring component	Open
330901-00-90-10-02-CN	Bently Nevada machinery-monitoring component	Open
330901-05-45-05-11-05	Bently Nevada machinery-monitoring component	Open
330901-05-55-05-11-05	Bently Nevada machinery-monitoring component	Open

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