

INDUSTRIAL MACHINERY MONITORING PRODUCT

330104-01-05-50-02-00

3300 XL 8 mm Armored Metric Proximity Probe

Bently Nevada 330104-01-05-50-02-00 is an armored M10 x 1 forward-mount 3300 XL 8 mm probe with 10 mm unthreaded length, 50 mm case and 5.0 m total length. It uses a standard ClickLoc connector without protector and specifies no agency approval.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	330104-01-05-50-02-00	HS code	8537101190
Product	3300 XL 8 mm Armored Metric Proximity Probe	Ship from	Xiamen, Fujian, China
Family	3300 XL 8 mm Proximity Transducer System	Dimensions	

DOCUMENT SCOPE

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

MODEL-SPECIFIC ENGINEERING NOTE

Confirm the 10 mm smooth tip length and 50 mm case fit the mounting arrangement for 330104-01-05-50-02-00. Its 5 m lead must be matched to the documented 5 m Proximitor Sensor without changing the calibrated system length.

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330104-01-05-50-02-00

Verified Product Record

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
Mounting style	Forward mount
Probe thread	M10 x 1
Armor	Flexible stainless steel
Unthreaded length	10 mm
Overall case length	50 mm
Total length	5.0 m
Connector option	Standard ClickLoc without protector
Agency approval	None

Installation Boundary

ENGINEERING BOUNDARY

Confirm the 10 mm smooth tip length and 50 mm case fit the mounting arrangement for 330104-01-05-50-02-00. Its 5 m lead must be matched to the documented 5 m Proximitor Sensor without changing the calibrated system length.

CHECK	REQUIRED RECORD
Identity	330104-01-05-50-02-00
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 141194 Rev. AM. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

Bently Nevada 330104-01-05-50-02-00 is an armored M10 x 1 forward-mount 3300 XL 8 mm probe with 10 mm unthreaded length, 50 mm case and 5.0 m total length. It uses a standard ClickLoc connector without protector and specifies no agency approval.

IDENTITY

Record 330104-01-05-50-02-00 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 330104-01-05-50-02-00 and the final no-approval code.
2	Confirm the 10 mm unthreaded length and 50 mm case against the bracket and target.
3	Limit M10 x 1 thread engagement to 15 mm.
4	Use 11.2 N m recommended torque for the forward-mount probe.
5	Support the 5 m armored lead without crushing, twisting or sharp bends.
6	Protect the option-02 ClickLoc connector until mating.
7	Use the probe only with the matching 5 m 3300 XL 8 mm system components.
8	Verify gap voltage, polarity, frequency response and monitor-channel action before release.

Applications and Model-Specific FAQ

FLUID-FILM BEARING VIBRATION

Measures radial shaft vibration in a matched 3300 XL 8 mm loop.

SHAFT POSITION MONITORING

Provides static position information within the published linear range.

KEYPHASOR CHANNEL

Supports phase-reference and speed measurement on suitable targets.

LONG PROBE-LEAD RETROFIT

Connects directly in a documented 5 m system arrangement.

QUESTION	ANSWER
Can an extension cable be added to the 5 m lead of 330104-01-05-50-02-00?	Use the exact calibrated 5 m system arrangement; do not extend the total electrical length beyond the selected sensor system length.
What mounting geometry is encoded by 330104-01-05-50-02-00?	It is a forward-mount M10 x 1 probe with 10 mm unthreaded length and a 50 mm case.
Which installation torque applies to 330104-01-05-50-02-00?	The published recommended torque for a forward-mount M10 x 1 probe is 11.2 N m.
How should the five-metre armor on 330104-01-05-50-02-00 be restrained?	Support the lead against pull, twist and crushing while maintaining the 25.4 mm minimum bend radius.
What nominal gap voltage is used for radial vibration with 330104-01-05-50-02-00?	The published recommended radial-vibration gap is approximately -9 V, or 1.27 mm.
What target diameter is required for 330104-01-05-50-02-00?	The minimum flat target diameter is 15.2 mm for the documented 4140-steel calibration.
Does 330104-01-05-50-02-00 carry hazardous-area approval?	No. The final option 00 specifies no agency approval.
What system response should be verified for 330104-01-05-50-02-00?	The matched 3300 XL 8 mm system is published for 0 to 10 kHz with the specified amplitude tolerance.

Precautions and Related Products

NO.	PRECAUTION
1	Verify 330104-01-05-50-02-00 and the final no-approval code.
2	Confirm the 10 mm unthreaded length and 50 mm case against the bracket and target.
3	Limit M10 x 1 thread engagement to 15 mm.
4	Use 11.2 N m recommended torque for the forward-mount probe.
5	Support the 5 m armored lead without crushing, twisting or sharp bends.
6	Protect the option-02 ClickLoc connector until mating.
7	Use the probe only with the matching 5 m 3300 XL 8 mm system components.
8	Verify gap voltage, polarity, frequency response and monitor-channel action before release.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
330101-00-08-05-02-00	Bently Nevada machinery-monitoring component	Open
330101-00-08-05-02-05	Bently Nevada machinery-monitoring component	Open
330101-00-08-10-01-00	Bently Nevada machinery-monitoring component	Open
330101-00-08-10-02-00	Bently Nevada machinery-monitoring component	Open
330101-00-08-10-02-05	Bently Nevada machinery-monitoring component	Open
330101-00-09-20-02-05	Bently Nevada machinery-monitoring component	Open
330101-00-10-10-01-05	Bently Nevada machinery-monitoring component	Open
330101-00-10-15-02-05	Bently Nevada machinery-monitoring component	Open

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes / Bently Nevada publication 141194 Rev. AM

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