

MODEL-SPECIFIC TECHNICAL DOSSIER

330104-15-23-50-02-00

Armored Proximity Probe

Bently Nevada 330104-15-23-50-02-00 is an armored M10 x 1 3300 XL 8 mm proximity probe with a 5.0 m standard lead and miniature ClickLoc connector. The 150 mm unthreaded section and 230 mm case distinguish this metric execution from adjacent 330104 variants.

01 VERIFIED DETAIL

3300 XL 8 mm non-contacting eddy-current probe

02 VERIFIED DETAIL

M10 x 1 stainless-steel armored case

03 VERIFIED DETAIL

150 mm unthreaded / 230 mm case

04 VERIFIED DETAIL

5.0 m standard lead for a 5 m Proximitors

MATCHED MEASUREMENT CHAIN

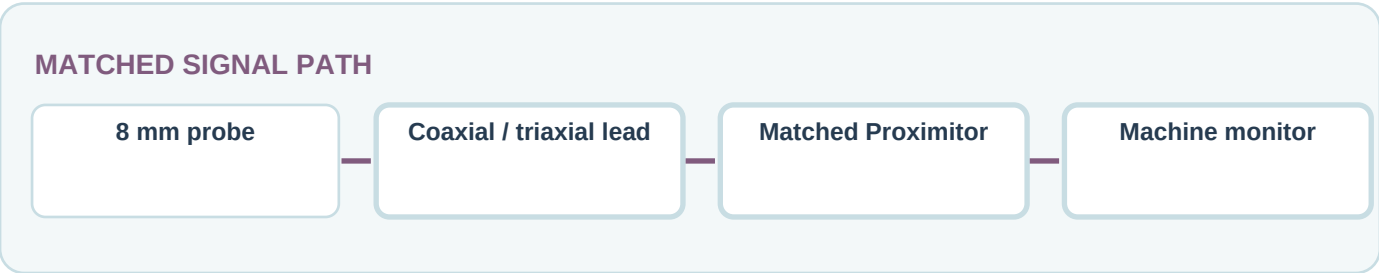


ENGINEERING BOUNDARY

The complete order code controls case geometry, lead length, connector and approval option. Keep the probe matched to the documented 3300 XL 8 mm Proximitors system and verify gap and monitor response after installation.

System Role and Interfaces

Bently Nevada 330104-15-23-50-02-00 is an armored M10 x 1 3300 XL 8 mm proximity probe with a 5.0 m standard lead and miniature ClickLoc connector. The 150 mm unthreaded section and 230 mm case distinguish this metric execution from adjacent 330104 variants.



INTERFACE / PURPOSE / CHECK

Mechanical mount	150 mm	Match the documented mounting and case code.
Probe cable	75 ohm triaxial FEP cable, ClickLoc connector and armored route	Preserve the specified lead and connector chain.
System pairing	3300 XL 8 mm Proximitors sensor matched to the selected system length	Use the correct total system length or 7200 series.
Measurement output	Non-contacting shaft displacement and vibration transducer input	Accept the loop by a controlled response test.

DOCUMENTED CHECKPOINT

Confirm the 150 mm/230 mm mechanical execution before replacement; the 13-20 sibling is not the same case geometry. Keep the 5 m probe on a matched 5 m transducer system and check gap and response after a controlled restart.

Technical Parameters

Order-code details and matched-system values are identified separately.

PARAMETER	DOCUMENTED VALUE	PARAMETER	DOCUMENTED VALUE
Probe family	3300 XL 8 mm	Connector protector	Not included
Base order code	330104	Agency approval option	00 - not required
Mounting thread	M10 x 1	Probe tip material	Polyphenylene sulfide (PPS)
Lead armor	Stainless steel	Case material	AISI 303 or 304 stainless steel
Unthreaded section	150 mm	Minimum cable bend radius	25.4 mm
Overall case length option	230 mm	Maximum connector torque	0.565 N m
Total probe length	5.0 m	Recommended probe case torque	11.2 N m
Matched Proximitor system length	5 m	Probe operating and storage range	-52 to +177 C
Cable type	75 ohm triaxial, FEP insulated	System linear range	2.0 mm
Connector	Miniature coaxial ClickLoc	Recommended radial-vibration gap	1.27 mm, approximately -9 Vdc

APPLICATION BOUNDARY

The complete order code controls case geometry, lead length, connector and approval option. Keep the probe matched to the documented 3300 XL 8 mm Proximitor system and verify gap and monitor response after installation.

Applications and Acceptance

Deep M10 probe position

Retain the 150 mm unthreaded section and 230 mm case where that geometry is specified.

Long-lead radial sensing

Pair the 5.0 m armored lead with a matched 5 m 3300 XL 8 mm Proximator system.

Metric case replacement

Check the M10 x 1 mounting interface before replacing a nearby 13-20 execution.

Controlled gap acceptance

Set the documented radial gap and prove voltage and channel response after installation.

ENGINEERING DECISIONS

Can the 15-23 execution replace a 13-20 case without a fit check?

No. This code selects a 150 mm unthreaded section and 230 mm case, rather than the sibling's 130 mm and 200 mm.

Which cable construction comes with 330104-15-23-50-02-00?

Option 02 provides standard 75 ohm triaxial, FEP-insulated cable with a miniature ClickLoc connector.

What does its 50 length option require at the sensor end?

It is a 5.0 m probe intended for a 5 m 3300 XL 8 mm Proximator system.

How is the armored lead protected during routing?

The armor is flexible stainless steel with an FEP outer jacket, and the cable bend radius must stay at or above 25.4 mm.

Further Technical Decisions

Is the 05 approval package present?

No. This part ends in 00, the option without added agency approvals.

What temperature range applies to the standard probe?

The standard 3300 XL 8 mm probe operating and storage range is -52 to +177 C.

Where should radial-vibration gapping begin?

The recommended matched-system gap is about 1.27 mm, producing approximately -9 Vdc under the stated conditions.

What torque is recommended for the forward-mounted probe case?

The listed recommended case torque is 11.2 N m for a standard forward-mounted probe, subject to the documented thread engagement limit.

RELATED BENTLY NEVADA PRODUCT PAGES

01 Bently Nevada 330101-20-36-10-02-00

02 Bently Nevada 330104-00-15-10-02-00

03 Bently Nevada 330910-00-05-50-02-00

04 Bently Nevada 330909-00-60-10-01-05

05 Bently Nevada 330103-00-06-50-02-00

06 Bently Nevada 330101-37-57-10-02-05

07 Bently Nevada 330102-00-40-05-01-05

08 Bently Nevada 330850-50-00

09 Bently Nevada 330130-080-02-05

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



330104-15-23-50-02-00