Bently Nevada 330709-050-120-10-02-00

COMPLETE PRODUCT INFORMATION

Bently Nevada 330709-050-120-10-02-00 is a 3300 XL 11 mm proximity probe with a M16 x 1.5 threaded case, no armor, 50 mm unthreaded length, 120 mm case length and a 1.0 m ClickLoc lead.

Installed context

Signal role	Installed context	Acceptance
Configured measurement or control path	Mating component or rack position	Machine-specific functional check

Radial vibration

Measure relative shaft vibration where a 4 mm-range system is specified.

Axial position

Track shaft position or thrust movement at an approved target.

Differential expansion

Support machine-position measurements that require the 11 mm system range.

Condition monitoring

Feed gap and dynamic displacement signals to a compatible monitoring channel.

Engineering checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source

Related models

Bently Nevada 330103-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-00-03-05-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330104-02-10-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330905-00-03-10-02-00	Related portfolio reference; verify the complete execution.
Bently Nevada 330980-51-CN	Related portfolio reference; verify the complete execution.

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330709-050-120-10-02-00

Manufacturer-supported characteristics

Thread	M16 x 1.5
Lead armor	No
Unthreaded length	50 mm
Overall case length	120 mm
Total length	1.0 m
Connector and cable	ClickLoc connector; standard cable

Additional data

Linear range	4 mm (160 mil) system reference
Nominal sensitivity	3.94 V/mm (100 mV/mil) system reference
Reference target	AISI 4140 steel
System rule	Use a matched 3300 XL 11 mm probe, extension cable and Proximitor
Probe construction	M16 x 1.5 standard-mount probe without armor
Signal-chain role	Extended-range non-contact sensing element

Interpretation boundary

Verify the complete 330709-050-120-10-02-00 identity, mating hardware and controlled system procedure before installation.

Evidence discipline

Unverified catalog fields and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

Related models

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01 / Field precaution

Verify the full 330709-050-120-10-02-00 identifier before replacing another 11 mm probe.

02 / Field precaution

Confirm the M16 x 1.5 mounting thread and 120 mm case envelope.

03 / Field precaution

Check the 50 mm unthreaded section against the bracket and target geometry.

04 / Field precaution

Match the 1.0 m lead with the extension cable and 11 mm Proximitor length.

05 / Field precaution

Protect the ClickLoc connector from dirt, moisture and side load.

06 / Field precaution

Maintain the approved target material, diameter and side-view clearance.

07 / Field precaution

Set the operating gap from the matched system curve and machine travel.

08 / Field precaution

Verify gap voltage, channel OK state and dynamic response before release.

Acceptance checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

Related models

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Which system includes Bently Nevada 330709-050-120-10-02-00?

It belongs to the 3300 XL 11 mm proximity transducer system.

Which thread is used on Bently Nevada 330709-050-120-10-02-00?

The probe case uses a M16 x 1.5 thread.

Is Bently Nevada 330709-050-120-10-02-00 armored?

No. This ordering family is the no-armor metric probe execution.

What mechanical lengths belong to Bently Nevada 330709-050-120-10-02-00?

It has 50 mm unthreaded length and a 120 mm overall case.

What lead is selected on Bently Nevada 330709-050-120-10-02-00?

The code selects a 1.0 m standard lead with ClickLoc termination.

What range applies to the matched Bently Nevada 330709-050-120-10-02-00 system?

The documented 3300 XL 11 mm system linear range is 4 mm.

Can Bently Nevada 330709-050-120-10-02-00 be mixed with an 8 mm Proximitor?

No. Use the matched 11 mm transducer chain specified for the installation.

What confirms commissioning of Bently Nevada 330709-050-120-10-02-00?

Verify exact identity, matched chain, working gap, OK state and approved dynamic response.

Related models

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Evidence record

Technical source	3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. L
Evidence boundary	Only directly supported family and ordering statements are used
Verification focus	Function, signal path, interfaces and installation conditions

Related models

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Recommendation rule

Brand + model links identify related product pages. They do not claim compatibility or substitution.

Service record

Retain the installed point, companion components, as-found condition, inspection evidence and machine-specific acceptance result.

Manufacturer evidence

146256 Rev. L: probe construction, system performance and metric 330703/330709 ordering fields.

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