

Bently Nevada 129716-XXX-040-15 MOD:166797-0133

Complete Product Information

Bently Nevada 129716-XXX-040-15 MOD:166797-0133 provides non-contact shaft sensing through the flexible 3/8-24 probe execution of the 3300 XL 8 mm system.

WHAT THIS PRODUCT DOES

Bently Nevada 129716-XXX-040-15 MOD:166797-0133 is a configuration-controlled 3300 XL 8 mm flexible proximity probe whose complete suffix and modification identifier must remain attached to the installed assembly.

Product characteristic 1

Uses the flexible 129716 probe form for constrained routing at the measurement point.

Product characteristic 2

Operates within a matched 3300 XL 8 mm eddy-current transducer system.

Product characteristic 3

Supports shaft-relative vibration and static-position sensing.

Product characteristic 4

Retains the complete XXX and MOD marking as the configuration identity.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Probe family	3300 XL 8 mm
Base execution	129716 flexible probe
Mounting family	3/8-24 flexible execution
Measurement method	Non-contact eddy current

IMPORTANT NOTICE

Keep the flexible section within its allowable bend and support arrangement. Confirm proportional response and monitor-channel direction before returning the machine to service.

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Features and technical data

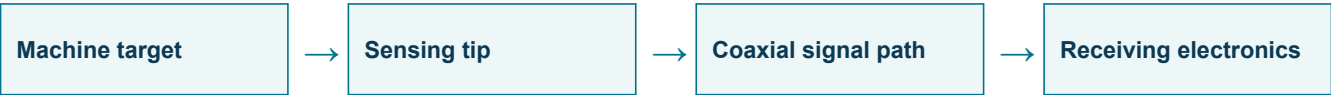
TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Probe family	3300 XL 8 mm
Base execution	129716 flexible probe
Mounting family	3/8-24 flexible execution
Measurement method	Non-contact eddy current
Matched system sensitivity	7.87 V/mm (200 mV/mil), complete system
Matched linear range	2.0 mm (80 mil), complete system
System components	Probe, extension cable and Proximator sensor
Configuration control	XXX and MOD suffix retained as supplied

FEATURE INTERPRETATION

Product identity Uses the flexible 129716 probe form for constrained routing at the measurement point.	System role Operates within a matched 3300 XL 8 mm eddy-current transducer system.
Service context Supports shaft-relative vibration and static-position sensing.	Return-to-service focus Retains the complete XXX and MOD marking as the configuration identity.

SIGNAL OR CONTROL PATH



Flexible routing must not change the required electrical length or place stress on the sensing end. The installed nameplate, mating cable and Proximator sensor establish the complete replacement configuration.

PRODUCT-PAGE TECHNICAL QUESTIONS

What probe form is represented by the 129716 base in 129716-XXX-040-15 MOD:166797-0133?	It is the flexible 3/8-24 execution of the 3300 XL 8 mm proximity-probe family.
Why does 129716-XXX-040-15 MOD:166797-0133 keep XXX instead of a decoded option value?	It is part of the supplied configuration identity and is not replaced with a value from another probe.
What measurement principle does 129716-XXX-040-15 MOD:166797-0133 use?	The matched 3300 XL 8 mm system uses non-contact eddy-current sensing.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Constrained probe routing Allows the flexible probe body to follow the approved machine-access path.	Shaft vibration measurement Provides a non-contact signal for radial vibration monitoring.
Shaft position monitoring Supports static gap and position measurements within the matched system range.	Configuration-controlled replacement Restores an installed flexible-probe execution only when the full suffix and MOD marking match.

APPLICATION VERIFICATION MAP

Constrained probe routing	Confirm the documented system position and the required operating function.
Shaft vibration measurement	Compare the restored connection or control path with the approved record.
Shaft position monitoring	Check the physical interface and the retained configuration before startup.
Configuration-controlled replacement	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

What measurement principle does 129716-XXX-040-15 MOD:166797-0133 use?	The matched 3300 XL 8 mm system uses non-contact eddy-current sensing.
Which components must be paired with 129716-XXX-040-15 MOD:166797-0133?	Use the designated extension cable and 3300 XL 8 mm Proximitors sensor for the required total electrical length.
How should the flexible section of 129716-XXX-040-15 MOD:166797-0133 be routed?	Support it within the approved bend path and keep it clear of abrasion, heat and moving hardware.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 01 Compare every character of 129716-XXX-040-15 MOD:166797-0133 with the removed probe and the machine record.
- 02 Keep the flexible section within its allowable bend and support arrangement.
- 03 Do not infer the XXX position or MOD execution from another 129716 probe.
- 04 Match the probe, extension cable and Proximito sensor as one 3300 XL 8 mm system.
- 05 Protect the sensing tip and coaxial connection from impact and contamination.
- 06 Route the flexible section away from abrasion, hot surfaces and moving parts.
- 07 Set the operating gap only after the probe body is mechanically secured.
- 08 Confirm proportional response and monitor-channel direction before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What probe form is represented by the 129716 base in 129716-XXX-040-15 MOD:166797-0133?	It is the flexible 3/8-24 execution of the 3300 XL 8 mm proximity-probe family.
Why does 129716-XXX-040-15 MOD:166797-0133 keep XXX instead of a decoded option value?	It is part of the supplied configuration identity and is not replaced with a value from another probe.
What measurement principle does 129716-XXX-040-15 MOD:166797-0133 use?	The matched 3300 XL 8 mm system uses non-contact eddy-current sensing.
Which components must be paired with 129716-XXX-040-15 MOD:166797-0133?	Use the designated extension cable and 3300 XL 8 mm Proximito sensor for the required total electrical length.

IMPORTANT NOTICE

Keep the flexible section within its allowable bend and support arrangement. Confirm proportional response and monitor-channel direction before returning the machine to service.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

How should the flexible section of 129716-XXX-040-15 MOD:166797-0133 be routed?	Support it within the approved bend path and keep it clear of abrasion, heat and moving hardware.
What complete-system range applies when 129716-XXX-040-15 MOD:166797-0133 is correctly matched?	The 3300 XL 8 mm system provides a 2.0 mm (80 mil) linear range under the documented system conditions.
Can MOD:166797-0133 on 129716-XXX-040-15 MOD:166797-0133 be replaced by a similar MOD?	No. Match the complete modification identifier to the installed configuration.
Which commissioning result confirms 129716-XXX-040-15 MOD:166797-0133 is working in the intended direction?	A controlled gap change must produce the expected polarity, proportional voltage change and monitor indication.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AN; 129716 flexible-probe family identified in the Bently Nevada approvals guide.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 24701-28-05-00-070-04-02	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330173-00-05-10-02-00	Related product reference. Compare the required interface and system position.
Bently Nevada 24701-28-05-XX-117-03-XX MOD:323933-00-02	Related product reference. Confirm the execution independently for the intended task.

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