Bently Nevada 330195-02-12-50-00

Complete product information

Bently Nevada 330195-02-12-50-00 is a 3/8-24 UNF reverse-mount 3300 XL 8 mm ETR proximity probe with a 5.0 m integral lead and the 00 no-approval ordering option.

Product and offer identity

Complete part number	330195-02-12-50-00
Product type	3300 XL 8 mm Extended Temperature Range Reverse-Mount Proximity Probe
Condition	New, original product
Shipping	Swift global dispatch
Shipping size (est.)	1.1cm x 0.9cm x 62cm
Weight	0.05 kg
Country of origin	USA
Tariff reference	8537101190
Ships from	Xiamen, Fujian, China

Technical specifications

Probe family	3300 XL 8 mm extended-temperature range
Mounting arrangement	Reverse mount
Mounting thread	3/8-24 UNF-2A
Reverse-mount geometry	02-12 fixed case option
Integral lead length	5.0 m
Approval option	00; agency approval not required
Probe-tip temperature	-52 to +218 deg C, ETR design
Cable and connector temperature	-51 to +260 deg C, ETR design
Matched Proximitor length	5 m
Matched-system linear range	2.0 mm (80 mils), reference setup

Overview

The fixed 02-12 option identifies the 3/8-24 reverse-mount case, while 50 selects a 5 m integral lead. Reverse mounting changes the access and bracket geometry; compare the removed assembly and the machine drawing before insertion.

The probe is the sensing end of a calibrated 3300 XL 8 mm chain. Its 5 m lead is intended for a 5 m Proximitor. The published linear range and scale factor describe the complete matched transducer under reference calibration conditions.

The extended-temperature tip and cable/connector have different environmental limits. Preserve cable clearance at the back of the mounting location and set the gap on the installed target before restoring the monitor channel.

Applications and compatibility

Reverse-side access

Fit the probe where the machine design requires insertion from the rear or a dedicated support bracket.

Radial vibration

Measure shaft motion at the bearing plane after checking radial clearance and target material.

Axial position

Use a matched 8 mm channel where the thrust target and travel remain within the accepted measuring span.

Temperature-separated routing

Assess tip and cable temperatures independently and route the 5 m lead away from mechanical damage.

Product precautions

Reverse-mount fit

Confirm the 3/8-24 bore, back-side access and fixed 02-12 geometry.

Electrical length

Pair the 5 m lead with the corresponding 5 m Proximitor; do not add extension length.

Cable support

Protect the rear cable exit against tight bends and contact with moving hardware.

Target calibration

Recheck response if target alloy or surrounding metal differs from the calibration setup.

Connector inspection

Keep the coaxial joint clean and strain relieved.

As-left baseline

Record gap, supply and operating trend before releasing the channel.

Buyer information

Send the exact complete marking, application, quantity and required delivery destination. Confirm the offered condition and included items in the written quotation; shipment details are established with the order.

Lifecycle and available-unit details

The current manufacturer lifecycle phase for this exact complete ordering identity is not established here. Review the installed machine configuration before a replacement decision.

The offered unit is New, original product. Request available label and connector photographs for comparison with the installed part before approving the supply scope.

Engineering questions

Why is the 5 m Proximitor pairing important for 330195-02-12-50-00?	A different sensor length changes the electrical calibration. Verify the 5 m sensor marking and do not add an extension cable to this 5 m lead.
How can reverse-mount access affect replacement of 330195-02-12-50-00?	The probe must pass through the documented rear clearance and support arrangement without cable strain. Compare case geometry and bracket position before setting gap.
What may shift the gap response of 330195-02-12-50-00 after a target change?	Eddy-current coupling changes with target alloy and geometry. Recheck the matched channel against the actual machine target.
How should the ETR temperature limit of 330195-02-12-50-00 be applied?	Check the tip and cable/connector locations separately; the published limits differ for those parts and do not describe the Proximitor environment.

How can an intermittent signal from 330195-02-12-50-00 be isolated?	With the channel safely isolated, inspect the coaxial joint and rear cable exit, then compare probe-only resistance with the applicable reference.
What can reduce dynamic response while 330195-02-12-50-00 still shows a DC gap?	Field-wire length, barriers, monitor loading or poor termination can attenuate higher frequencies. Inspect the complete chain and response curve.
When should the mechanical gap of 330195-02-12-50-00 be checked again?	Repeat the gap check after moving the reverse-mount bracket, changing the probe or disturbing the target clearance.
What belongs in the as-left record for 330195-02-12-50-00?	Retain complete probe and sensor markings, target material, resistance, gap voltage and measured running signal.

Additional technical criteria

Reference target	AISI 4140 steel is the published calibration target.
Reference excitation	Use the matched system and manufacturer negative-DC supply arrangement.
Reference loading	System scale testing uses the stated 10 kilohm reference load.
System gap interval	The 80 mil linear span lies approximately 10 to 90 mil from the reference target.
Typical radial set point	The system reference gap is approximately 50 mil at -9 Vdc.
Field wiring	Three-conductor shielded triad is recommended between Proximitor and monitor.
Field-wire distance	305 m is the published maximum, subject to frequency-response rolloff.
ETR boundary	Probe tip and cable/connector limits differ; the Proximitor has a separate ambient limit.

Engineering integration decisions

Machine entry	Verify the reverse-mount bracket, thread engagement and access behind the case before removing the old probe.
Cable exit	Provide an unstressed route behind the mounting point; do not let armor or the connector pull on the probe body.
Chain length	The integral lead is part of the calibrated electrical path, so select the Proximitor for the same complete chain length.
Temperature boundary	Keep the sensing tip, lead and connector within their separately published limits.

Technical basis

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

Discuss the complete marking and installed application with Apter Power.
sales13@apterpower.com | +86 18030235313