

APTER POWER PRODUCT GUIDE

330171-00-33-50-01-05

3300 5 mm Proximity Probe

Bently Nevada 330171-00-33-50-01-05 is a threaded 3300 5 mm proximity probe for non-contact shaft position and vibration measurement. Its order code defines a 3.3 in case and 5.0 m integral probe cable.

Manufacturer	Bently Nevada
Model	330171-00-33-50-01-05
Product type	3300 5 mm Proximity Probe
Product family	3300 5 mm Proximity Transducer System
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation and system fit

- Confirm that the probe route and mounting arrangement accept the 3.3 in case.
- Use a transducer chain engineered for the 5.0 m probe lead.
- Protect the ClickLoc mating surfaces from contamination during assembly.
- Set and verify the mechanical gap before enabling the monitoring channel.

Controlled configuration

Complete model	330171-00-33-50-01-05
Product type	3300 5 mm Proximity Probe
System family	3300 5 mm Proximity Transducer System

2. Commissioning sequence

- 1 Confirm that the probe route and mounting arrangement accept the 3.3 in case.
- 2 Use a transducer chain engineered for the 5.0 m probe lead.
- 3 Protect the ClickLoc mating surfaces from contamination during assembly.
- 4 Set and verify the mechanical gap before enabling the monitoring channel.

Technical verification note

The extended 3.3 in case changes insertion geometry; verify probe stand-off and thread engagement while preserving the specified 5 m transducer-system configuration.

3. Application verification

Extended-case machine penetration points

Uses an eddy-current sensing tip for conductive shaft targets

Fluid-film bearing shaft monitoring

Connects through the ClickLoc coaxial interface with its protector

Keyphasor phase reference pickup

Works as one element of the matched 3300 5 mm transducer chain

Rotational speed measurement

Supports static gap and dynamic machinery-motion monitoring

Associated system components

- 3300 XL extension cable
- 3300 XL 5 mm Proximito Sensor
- conductive shaft target
- monitoring channel

4. Maintenance and verification FAQ

Can 330171-00-33-50-01-05 be gapped by matching the previous thread count?

No. Establish the required gap from the approved machine procedure and verify the live transducer output.

What target material is required when checking 330171-00-33-50-01-05?

Use the machine target material or the approved calibration target because eddy-current response depends on target conductivity and geometry.

Which commissioning measurements apply to 330171-00-33-50-01-05?

Record gap voltage, shaft-motion response, cable routing condition and monitor-channel indication.

What must be compared before replacing 330171-00-33-50-01-05?

Compare every order-code field, the installed extension cable, the Proximitor Sensor, mounting geometry and required electrical length.

Source record

Baker Hughes Bently Nevada 3300 5 mm Transducer System Datasheet 172036

<https://dam.bakerhughes.com/m/3048672186f80f8/original/3300-5-mm-Transducer-System-Datasheet-172036-pdf.pdf>

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