

APTER POWER

COMPLETE PRODUCT INFORMATION

21000-34-10-20-062-04-02

21000 proximity probe housing assembly

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

21000 Proximity Probe Housing Assembly

PART

21000-34-10-20-062-04-02

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PRODUCT OVERVIEW

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

- 1 Sets the engineered probe penetration to 6.2 in (157 mm)
- 2 Provides a two-inch standoff for accessible adjustment
- 3 Protects the probe lead inside a stainless-steel sleeve
- 4 Uses a 3/4-14 NPT machine mounting interface

SYSTEM COMPONENTS

3300 XL 8 mm ETR probe

304 stainless-steel probe sleeve

machine-case threaded boss

selected conduit and sealing hardware

TECHNICAL NOTE

Confirm the full 21000-34-10-20-062-04-02 marking, 6.2 in (157 mm) penetration, two-inch standoff, 3/4-14 NPT mounting and installed probe approval before adjustment and sealing.

TECHNICAL DATA

PARAMETER	VALUE
Housing model	21000
Probe option	3300 XL 8 mm ETR with selectable approvals
Probe cable length	1.0 m (39 in)
Standoff adapter	2.0 in (51 mm)
Probe penetration	6.2 in (157 mm)
Fittings	One 3/4-14 NPT plug

PARAMETER	VALUE
Mounting thread	3/4-14 NPT
Housing material	Aluminum
Probe sleeve material	304 stainless steel
Enclosure type	Type 4
Probe temperature range	-51 to +177 degC

ENGINEERING NOTE

Confirm the full 21000-34-10-20-062-04-02 marking, 6.2 in (157 mm) penetration, two-inch standoff, 3/4-14 NPT mounting and installed probe approval before adjustment and sealing.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
128240-01	Related Bently Nevada product	View 128240-01 page
3500-23E	Related Bently Nevada product	View 3500-23E page
3500-50E	Related Bently Nevada product	View 3500-50E page
3500-42E	Related Bently Nevada product	View 3500-42E page
330180-X0-05	Related Bently Nevada product	View 330180-X0-05 page
330104-00-13-10-02-05	Related Bently Nevada product	View 330104-00-13-10-02-05 page
330104-00-05-10-02-00	Related Bently Nevada product	View 330104-00-05-10-02-00 page
330103-00-06-15-02-CN	Related Bently Nevada product	View 330103-00-06-15-02-CN page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Bearing-housing radial vibration

Sets the engineered probe penetration to 6.2 in (157 mm)

Thrust-position probe installation

Provides a two-inch standoff for accessible adjustment

Machine-case proximity retrofit

Protects the probe lead inside a stainless-steel sleeve

Externally accessible probe service

Uses a 3/4-14 NPT machine mounting interface

PRODUCT PRECAUTIONS

- 1 Verify 21000-34-10-20-062-04-02, the two-inch standoff and 6.2 in (157 mm) penetration before work.
- 2 Place the monitored machine and protection channel in the approved maintenance state.
- 3 Preserve the 3/4-14 NPT machine-case thread and housing orientation.
- 4 Record probe gap, sleeve position, cable route and plug arrangement before removal.
- 5 Protect the probe tip, sleeve bore, O-rings and sealing surfaces from contamination.
- 6 Match the installed ETR probe, cable and approval option to the documented loop.
- 7 Secure the sleeve and conduit so mechanical load cannot alter probe alignment.
- 8 Verify static gap, dynamic response, seal integrity and alarm action after assembly.

ENGINEER FAQ

Q1 Does 21000-34-10-20-062-04-02 match 3300 XL 8 mm ETR probe in a Bearing-housing radial vibration installation?

Verify the complete 21000-34-10-20-062-04-02 marking, the documented 21000 Proximity Probe Housing Assembly position and the installed 3300 XL 8 mm ETR probe before fitting the assembly.

Q3 Which 21000 Proximity Probe Housing Assembly records should be captured before removing 21000-34-10-20-062-04-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 21000-34-10-20-062-04-02 before disconnection.

Q5 Which 304 stainless-steel probe sleeve condition should be checked when 21000-34-10-20-062-04-02 reports an abnormal state?

Check the 304 stainless-steel probe sleeve supply, seating and connection first, then compare channel diagnostics with the recorded 21000-34-10-20-062-04-02 baseline.

Q7 What maintenance evidence is required after 21000-34-10-20-062-04-02 is used for Machine-case proximity retrofit?

Retain the nameplate record, corrective action, final diagnostics and a controlled machine-case proximity retrofit functional-test result for 21000-34-10-20-062-04-02.

Q2 How should 21000-34-10-20-062-04-02 be wired when it must sets the engineered probe penetration to 6.2 in (157 mm)?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 21000-34-10-20-062-04-02; then continuity-test the affected path.

Q4 What controlled test confirms that 21000-34-10-20-062-04-02 can provides a two-inch standoff for accessible adjustment?

Apply the approved field or simulated stimulus, observe the 21000 Proximity Probe Housing Assembly indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 21000-34-10-20-062-04-02 be moved directly into Thrust-position probe installation without validating selected conduit and sealing hardware?

No. Confirm the selected conduit and sealing hardware, revision, connection scheme and 21000 Proximity Probe Housing Assembly configuration before transferring 21000-34-10-20-062-04-02 to that duty.

Q8 How should 21000-34-10-20-062-04-02 be returned to service in Externally accessible probe service?

Restore power under control, verify protects the probe lead inside a stainless-steel sleeve, exercise the intended signal path and release 21000-34-10-20-062-04-02 only after the 21000 Proximity Probe Housing Assembly remains in its approved operating state.

SOURCE Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet | 141600 Rev. AC

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