

32000-28-05-15-080-03-02

32000 proximity probe housing assembly

Protected mechanical path for the installed non-contact proximity measurement

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

32000 Proximity Probe Housing Assembly

PART

32000-28-05-15-080-03-02

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PRODUCT OVERVIEW

Protected mechanical path for the installed non-contact proximity measurement

- 1 Uses the documented 32000 housing format
- 2 Positions the probe through a 150 mm standoff and 80 mm penetration
- 3 Provides conductive PPS environmental protection
- 4 Supports an API 670-compatible proximity installation

SYSTEM COMPONENTS

installed 3300 XL probe

AISI 304 probe sleeve

machine-case mounting boss

selected conduit or cable-seal hardware

TECHNICAL NOTE

Verify 32000-28-05-15-080-03-02, 150 mm standoff, 80 mm penetration, fittings and probe-cable length; preserve sleeve support, retaining torque and enclosure sealing.

TECHNICAL DATA

PARAMETER	VALUE
Housing model	32000
Probe option	3300 XL 8 mm probe with multiple approvals
Probe cable length	0.5 m (20 in)
Standoff adapter	150 mm
Probe penetration	80 mm
Fittings	Two plugs; one M20 fitting; cable-seal grip and grommets for armored cable

PARAMETER	VALUE
Mounting thread	3/4-14 NPT
Housing material	Conductive glass-reinforced PPS
Probe sleeve material	AISI 304 stainless steel
Housing rating	IP66; Type 4X
Retaining-nut torque	29.4 N m (260 in-lb)
Probe temperature range	-51 to +177 degC

ENGINEERING NOTE

Verify 32000-28-05-15-080-03-02, 150 mm standoff, 80 mm penetration, fittings and probe-cable length; preserve sleeve support, retaining torque and enclosure sealing.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330103-03-06-05-02-00	Related Bently Nevada product	View 330103-03-06-05-02-00 page
330103-00-05-05-02-CN	Related Bently Nevada product	View 330103-00-05-05-02-CN page
330103-00-04-05-02-05	Related Bently Nevada product	View 330103-00-04-05-02-05 page
3500-53M-286566-01	Related Bently Nevada product	View 3500-53M-286566-01 page
330103-00-05-50-12-00	Related Bently Nevada product	View 330103-00-05-50-12-00 page
330703-000-040-10-02-00	Related Bently Nevada product	View 330703-000-040-10-02-00 page
330130-075-00-00	Related Bently Nevada product	View 330130-075-00-00 page
330103-07-18-10-02-00	Related Bently Nevada product	View 330103-07-18-10-02-00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Bearing-case radial vibration

Uses the documented 32000 housing format

Axial-position probe mounting

Positions the probe through a 150 mm standoff and 80 mm penetration

Exposed-machine proximity point

Provides conductive PPS environmental protection

Housing and sleeve renewal

Supports an API 670-compatible proximity installation

PRODUCT PRECAUTIONS

- 1 Verify 32000-28-05-15-080-03-02, 150 mm standoff and 80 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 established housing orientation.
- 4 Record probe gap, sleeve position, cable route, fitting and grommet selection before removal.
- 5 Protect the conductive PPS cover, sleeve bore, probe tip and seals from impact or contamination.
- 6 Match the probe, cable length and approval marking to the installed monitoring loop.
- 7 Apply the documented retaining-nut torque and support the sleeve against conduit or cable load.
- 8 Verify gap voltage, dynamic response, alarm action and IP66 closure before service.

ENGINEER FAQ

Q1 Does 32000-28-05-15-080-03-02 match installed 3300 XL probe in a Bearing-case radial vibration installation?

Verify the complete 32000-28-05-15-080-03-02 marking, the documented 32000 Proximity Probe Housing Assembly position and the installed installed 3300 XL probe before fitting the assembly.

Q3 Which 32000 Proximity Probe Housing Assembly records should be captured before removing 32000-28-05-15-080-03-02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 32000-28-05-15-080-03-02 before disconnection.

Q5 Which AISI 304 probe sleeve condition should be checked when 32000-28-05-15-080-03-02 reports an abnormal state?

Check the AISI 304 probe sleeve supply, seating and connection first, then compare channel diagnostics with the recorded 32000-28-05-15-080-03-02 baseline.

Q7 What maintenance evidence is required after 32000-28-05-15-080-03-02 is used for Exposed-machine proximity point?

Retain the nameplate record, corrective action, final diagnostics and a controlled exposed-machine proximity point functional-test result for 32000-28-05-15-080-03-02.

Q2 How should 32000-28-05-15-080-03-02 be wired when it must uses the documented 32000 housing format?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 32000-28-05-15-080-03-02; then continuity-test the affected path.

Q4 What controlled test confirms that 32000-28-05-15-080-03-02 can positions the probe through a 150 mm standoff and 80 mm penetration?

Apply the approved field or simulated stimulus, observe the 32000 Proximity Probe Housing Assembly indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 32000-28-05-15-080-03-02 be moved directly into Axial-position probe mounting without validating selected conduit or cable-seal hardware?

No. Confirm the selected conduit or cable-seal hardware, revision, connection scheme and 32000 Proximity Probe Housing Assembly configuration before transferring 32000-28-05-15-080-03-02 to that duty.

Q8 How should 32000-28-05-15-080-03-02 be returned to service in Housing and sleeve renewal?

Restore power under control, verify provides conductive pps environmental protection, exercise the intended signal path and release 32000-28-05-15-080-03-02 only after the 32000 Proximity Probe Housing Assembly remains in its approved operating state.

SOURCE Bently Nevada 31000 and 32000 Proximity Probe Housing Assemblies Datasheet | 141610 Rev. R

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