

APTER POWER

COMPLETE PRODUCT INFORMATION

330707-00-20-10-02-00

3300 XL 11 mm 5/8-18 UNF Proximity Probe

Bently Nevada 330707-00-20-10-02-00 is an unarmored 5/8-18 UNF 3300 XL 11 mm proximity probe with a 2.0-inch case and 1.0 m standard cable. It is used in a matched transducer system for

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 XL 11 mm

PART

330707-00-20-10-02-00

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

330707-00-20-10-02-00 provides non-contacting radial vibration, axial position or phase-reference measurement for a matched Bently Nevada 3300 XL 11 mm Proximity Transducer System installation.

Exact article identity 330707-00-20-10-02-00

3300 XL 11 mm 5/8-18 UNF Proximity Probe

Documented role: non-contacting radial vibration, axial position or phase-reference measurement

Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1	Bently Nevada 330450-80-00	2
2	Bently Nevada 3500-42M-140734-02	3
3	Bently Nevada 130118-0050-02	4
4	Bently Nevada 3500-53-133388-01	5
5	Bently Nevada 3500-72M-176449-08	6
6	Bently Nevada 330173-00-06-10-02-00	7
7	Bently Nevada 330780-91-05	8
8	Bently Nevada 330709-000-050-10-12-05	9
9	Bently Nevada 330706-005-046-10-02-00	

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, mating hardware, wiring or cable route and approved configuration. Commissioning preserves that architecture and verifies controlled response.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Probe model	330707	Agency approval option	Not required
Mounting thread	5/8-18 UNF	System linear range	4.0 mm (160 mil)
Armor	Without armor	Recommended gap	2.5 mm (100 mil)
Unthreaded length	0.0 in	Incremental scale factor	3.94 V/mm (100 mV/mil)
Overall case length	2.0 in	Frequency response	0 to 8 kHz typical
Total probe length	1.0 m (3.3 ft)	Recommended case torque	15.2 N m (133 in-lb)
Connector and cable	Miniature coaxial ClickLoc; standard cable; no connector	Minimum cable bend radius	25.4 mm (1.0 in)

RELATED PRODUCT PAGES		
1 Bently Nevada 330450-80-00	2 Bently Nevada 3500-42M-140734-02	3 Bently Nevada 130118-0050-02
4 Bently Nevada 3500-53-133388-01	5 Bently Nevada 3500-72M-176449-08	6 Bently Nevada 330173-00-06-10-02-00
7 Bently Nevada 330780-91-05	8 Bently Nevada 330709-000-050-10-12-05	9 Bently Nevada 330706-005-046-10-02-00

TECHNICAL NOTE

Install 330707-00-20-10-02-00 only in the documented Bently Nevada 3300 XL 11 mm Proximity Transducer System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting radial vibration, axial position or phase-reference measurement under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machinery-protection planned maintenance

Restores non-contacting radial vibration, axial position or phase-reference measurement in the documented

3300 XL 11 mm 5/8-18 UNF Proximity Probe replacement

Uses exact 330707-00-20-10-02-00 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

PRODUCT PRECAUTIONS

1

Confirm the complete 330707-00-20-10-02-00 marking, product role and documented installation position.

2

Place the machinery protection system and connected process in the approved maintenance state.

3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.

4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

5

Verify all manufacturer-documented mechanical and electrical values for this exact execution.

6

Restore the matched host, interfaces, grounding, shielding and approved configuration.

7

Energize under control and review rack, channel or transducer-loop diagnostics.

8

Complete a controlled functional test of non-contacting radial vibration, axial position or phase-reference

RELATED APTER POWER PAGES

1

Bently Nevada 330450-80-00

2

Bently Nevada 3500-42M-140734-02

3

Bently Nevada 130118-0050-02

4

Bently Nevada 3500-53-133388-01

5

Bently Nevada 3500-72M-176449-08

6

Bently Nevada
330173-00-06-10-02-00

7

Bently Nevada 330780-91-05

8

Bently Nevada
330709-000-050-10-12-05

9

Bently Nevada
330706-005-046-10-02-00

ENGINEER FAQ

Q1

How is 330707-00-20-10-02-00 identified before installation?

Match the complete 330707-00-20-10-02-00 marking, the 3300 XL 11 mm 5/8-18 UNF Proximity Probe designation and the documented host position; do not substitute a neighboring suffix.

Q2

What function is assigned to 330707-00-20-10-02-00?

Bently Nevada documents it for non-contacting radial vibration, axial position or phase-reference measurement in the matched Bently Nevada 3300 XL 11 mm Proximity Transducer System.

Q3

What official mounting thread applies to 330707-00-20-10-02-00?

The manufacturer record specifies 5/8-18 UNF; verify the installed execution before work.

Q4

Which armor must be matched for 330707-00-20-10-02-00?

The documented value is Without armor. Preserve the associated mechanical, electrical and system interfaces.

Q5

How should the unthreaded length of 330707-00-20-10-02-00 be checked?

Confirm unthreaded length as 0.0 in and compare it with the as-found installation record.

Q6

What must be recorded before replacing 330707-00-20-10-02-00?

Record the exact identity, installed position, mating components, wiring or cable route, configuration, active diagnostics and baseline response before disconnection.

Q7

What connection checks apply to 330707-00-20-10-02-00?

Keep every connector clean and correctly seated, preserve shields and grounding, observe documented torque or bend limits and restore the matched system arrangement.

Q8

How is 330707-00-20-10-02-00 accepted after installation?

Restore the recorded interfaces and configuration, review diagnostics, then complete a controlled test of non-contacting radial vibration, axial position or phase-reference measurement before release.

RELATED APTER POWER PAGES

1Bently Nevada 330450-80-00

2Bently Nevada 3500-42M-140734-02

3Bently Nevada 130118-0050-02

4Bently Nevada 3500-53-133388-01

5Bently Nevada 3500-72M-176449-08

6Bently Nevada 330173-00-06-10-02-00

7Bently Nevada 330780-91-05

8Bently Nevada 330709-000-050-10-12-05

9Bently Nevada 330706-005-046-10-02-00

SOURCE3300 XL 11 mm Proximity Transducer System Datasheet 146256 Rev. T | Baker Hughes / Bently Nevada official manufacturer evidence, verified 28 September 2026

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com