

INDUSTRIAL AUTOMATION PRODUCT

21000-28-05-00-070-01-02

21000 proximity probe housing assembly

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

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	21000 Proximity Probe Housing Assembly
Part number	21000-28-05-00-070-01-02
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Housing model	21000
Probe configuration	3300 XL 8 mm probe; selectable hazardous-area approvals
Probe cable length	0.5 m (20 in)
Standoff adapter	None
Probe penetration	7.0 in (178 mm)
Fittings	One 3/4-14 NPT explosion-proof fitting and one 3/4-14 NPT plug
Mounting thread	3/4-14 NPT
Housing material	Aluminum
Probe sleeve material	304 stainless steel
Enclosure type	Type 4

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Configured reverse-mount Bently Nevada probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	Machine-case threaded boss
Primary system function	Provides external access for probe adjustment
Controlled acceptance duty	Bearing-housing radial vibration

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System Role and Architecture

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

FUNCTION 1

Provides external access for probe adjustment

FUNCTION 2

Uses a 3/4-14 NPT machine mounting thread

FUNCTION 3

Sets the documented probe penetration to 7.0 in (178 mm)

FUNCTION 4

Protects the probe lead inside a stainless-steel sleeve

Matched system components

- Configured reverse-mount Bently Nevada probe
- 304 stainless-steel probe sleeve
- Machine-case threaded boss
- Selected cable seal, reducer and conduit hardware

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Configured reverse-mount Bently Nevada probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	Machine-case threaded boss
Primary system function	Provides external access for probe adjustment
Controlled acceptance duty	Bearing-housing radial vibration

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Applications and Engineering Context

Bearing-housing radial vibration

Provides external access for probe adjustment

Thrust-position probe installation

Uses a 3/4-14 NPT machine mounting thread

Machine-case probe retrofit

Sets the documented probe penetration to 7.0 in (178 mm)

Accessible proximity-probe maintenance

Protects the probe lead inside a stainless-steel sleeve

TECHNICAL NOTE

Confirm the complete 21000-28-05-00-070-01-02 marking and installed legacy probe code, 3/4-14 NPT mounting, 7.0 in (178 mm) penetration and fitting arrangement. Verify the selected probe approval matches the installed extension cable and Proximator Sensor.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	21000-28-05-00-070-01-02 / 21000-28-05-00-070-01-02 recorded
Physical interface	Configured reverse-mount Bently Nevada probe
Companion check	304 stainless-steel probe sleeve
Functional proof	Provides external access for probe adjustment
Application test	Bearing-housing radial vibration

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Engineering Precautions

1

Verify the complete 21000-28-05-00-070-01-02 code, housing position and installed probe marking before work.

2

Place the monitored machine and protection channel in the approved maintenance state.

3

Confirm the 3/4-14 NPT machine-case thread and preserve the housing orientation.

4

Record probe gap, sleeve position, cable route, reducer and gland arrangement before removal.

5

Protect the probe tip, sleeve bore, O-rings and sealing surfaces from damage or contamination.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330880-28-45-020-03-02	Related Bently Nevada product	View 330880-28-45-020-03-02 page
3500-70M-176449-09-13548...	Related Bently Nevada product	View 3500-70M-176449-09-13548... page
3500-72M-149734-08-13548...	Related Bently Nevada product	View 3500-72M-149734-08-13548... page
3500-65-145988-02-172109-01	Related Bently Nevada product	View 3500-65-145988-02-172109-01 page
172115-01	Related Bently Nevada product	View 172115-01 page
3500-25-149369-01-135473-01	Related Bently Nevada product	View 3500-25-149369-01-135473-01 page
3500-32-01-01	Related Bently Nevada product	View 3500-32-01-01 page
3500-22-01-01-01	Related Bently Nevada product	View 3500-22-01-01-01 page

MANUFACTURER SOURCE RECORD

Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet

141600 Rev. AC

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