

Bently Nevada 24701-28-05-00-070-04-02

Complete Product Information

Bently Nevada 24701-28-05-00-070-04-02 protects an externally mounted proximity probe while establishing its cable, penetration, fitting and thread arrangement.

WHAT THIS PRODUCT DOES

Bently Nevada 24701-28-05-00-070-04-02 is a 24701 stainless-steel housing configured for a multiple-approval 3300 XL 8 mm probe, a 0.5 m probe cable and a 7.0 in penetration dimension.

Product characteristic 1

Uses the stainless-steel 24701 externally mounted housing.

Product characteristic 2

Includes the multiple-approval 3300 XL 8 mm probe option.

Product characteristic 3

Sets probe penetration to 7.0 in without a standoff adapter.

Product characteristic 4

Provides the selected M25 entry hardware and 3/4-14 NPT mounting thread.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Housing family	24701 stainless steel
Probe option	3300 XL 8 mm with approval option
Probe cable length	0.5 m / 20 in
Standoff	Not required

IMPORTANT NOTICE

Confirm every segment of 24701-28-05-00-070-04-02 before preparing the mounting opening. Verify the complete proximity channel and record its final response before release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Housing family	24701 stainless steel
Probe option	3300 XL 8 mm with approval option
Probe cable length	0.5 m / 20 in
Standoff	Not required
Probe penetration	7.0 in
Fittings option	04, one M25 fitting and one M25 plug
Mounting thread	3/4-14 NPT

FEATURE INTERPRETATION

Product identity Uses the stainless-steel 24701 externally mounted housing.	System role Includes the multiple-approval 3300 XL 8 mm probe option.
Service context Sets probe penetration to 7.0 in without a standoff adapter.	Return-to-service focus Provides the selected M25 entry hardware and 3/4-14 NPT mounting thread.

SIGNAL OR CONTROL PATH



The housing protects the sensing assembly but does not remove the need to support long reach, preserve target clearance and seal each cable entry correctly.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which probe is selected inside 24701-28-05-00-070-04-02?	Option 28 specifies a 3300 XL 8 mm probe with the approval option.
Which lead length enters the 24701 housing under code 05 in 24701-28-05-00-070-04-02?	Option 05 specifies 20 in, or 0.5 m.
Does 24701-28-05-00-070-04-02 use a standoff adapter?	No. The standoff code is 00.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

External bearing housing Protects a proximity probe installed through a machine bearing casing.	Shaft vibration sensing Positions the 8 mm probe for non-contact shaft-relative vibration measurement.
Static position monitoring Maintains a controlled probe reach for position or displacement channels.	Hazardous-area installation Uses the selected approval and entry arrangement within the controlled installation design.

APPLICATION VERIFICATION MAP

External bearing housing	Confirm the documented system position and the required operating function.
Shaft vibration sensing	Compare the restored connection or control path with the approved record.
Static position monitoring	Check the physical interface and the retained configuration before startup.
Hazardous-area installation	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record Complete marking and assigned system position.	Connection record Connector, conductor and interface arrangement as found.
Configuration record Controlled settings, application data and option state.	Acceptance record Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Does 24701-28-05-00-070-04-02 use a standoff adapter?	No. The standoff code is 00.
What is the penetration setting for 24701-28-05-00-070-04-02?	Code 070 specifies 7.0 in.
Which cable-entry hardware belongs to 24701-28-05-00-070-04-02?	Fittings option 04 supplies one M25 fitting and one M25 plug.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

- 01 Confirm every segment of 24701-28-05-00-070-04-02 before preparing the mounting opening.
- 02 Verify the 3/4-14 NPT mounting thread and the 7.0 in penetration requirement.
- 03 Support the probe sleeve whenever the installed length can resonate.
- 04 Install the M25 fitting and plug with the approved seals so the enclosure remains protected.
- 05 Keep the probe connector and 0.5 m lead clean during assembly.
- 06 Check that the probe tip cannot contact the target across the full machine movement envelope.
- 07 Set gap only after housing, sleeve and lock hardware are fully secured.
- 08 Verify the complete proximity channel and record its final response before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which probe is selected inside 24701-28-05-00-070-04-02?	Option 28 specifies a 3300 XL 8 mm probe with the approval option.
Which lead length enters the 24701 housing under code 05 in 24701-28-05-00-070-04-02?	Option 05 specifies 20 in, or 0.5 m.
Does 24701-28-05-00-070-04-02 use a standoff adapter?	No. The standoff code is 00.
What is the penetration setting for 24701-28-05-00-070-04-02?	Code 070 specifies 7.0 in.

IMPORTANT NOTICE

Confirm every segment of 24701-28-05-00-070-04-02 before preparing the mounting opening.
Verify the complete proximity channel and record its final response before release.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

Which cable-entry hardware belongs to 24701-28-05-00-070-04-02?	Fittings option 04 supplies one M25 fitting and one M25 plug.
What machine thread is required for 24701-28-05-00-070-04-02?	The final 02 option selects 3/4-14 NPT.
When should the sleeve of 24701-28-05-00-070-04-02 receive extra support?	Add support when the installed reach can vibrate or resonate, especially for long penetration assemblies.
What must be proven after closing 24701-28-05-00-070-04-02?	Verify enclosure sealing, probe gap, proportional output and the assigned monitor-channel response.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet 141600 Rev. AC.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 330130-075-01-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330881-28-04-214-00-02	Related product reference. Compare the required interface and system position.
Bently Nevada 330901-10-60-70-02-05	Related product reference. Confirm the execution independently for the intended task.

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