Bently Nevada 24701-28-05-XX-025-04-XX MOD:323933-30-02

Complete Product Information

Bently Nevada 24701-28-05-XX-025-04-XX MOD:323933-30-02 protects an externally mounted proximity probe while preserving the specified lead, penetration and enclosure-entry execution.

WHAT THIS PRODUCT DOES

Bently Nevada 24701-28-05-XX-025-04-XX MOD:323933-30-02 is a stainless-steel 24701 housing assembly carrying a multiple-approval 3300 XL 8 mm probe, a 0.5 m lead and a 2.5 in penetration setting.

Product characteristic 1

Uses the all-metal 24701 body with a stainless-steel probe sleeve.

Product characteristic 2

Carries a multiple-approval 3300 XL 8 mm probe inside the housing.

Product characteristic 3

Sets the documented probe penetration to 2.5 in.

Product characteristic 4

Provides the code-04 enclosure-entry hardware arrangement.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Housing family	24701 stainless steel
Probe option	3300 XL 8 mm with approval option
Probe lead	0.5 m
Probe penetration	2.5 in

IMPORTANT NOTICE

Confirm the prepared mounting thread and the installed standoff value from the actual assembly record. Verify the complete 3300 XL 8 mm channel before restoring protection.

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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 lead	0.5 m
Probe penetration	2.5 in
Fittings	One 3/4-14 NPT plug
Enclosure class	Type 4 family construction
Probe support rule	Review support for long sleeve reach
Signal system	Matched 3300 XL 8 mm transducer channel

FEATURE INTERPRETATION

Product identity

Uses the all-metal 24701 body with a stainless-steel probe sleeve.

System role

Carries a multiple-approval 3300 XL 8 mm probe inside the housing.

Service context

Sets the documented probe penetration to 2.5 in.

Return-to-service focus

Provides the code-04 enclosure-entry hardware arrangement.

SIGNAL OR CONTROL PATH

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

The 0.5 m probe lead and 2.5 in penetration must be assessed together with the installed standoff and mounting thread. The MOD identifier 323933-30-02 remains part of the controlled assembly marking.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which matched transducer family supports 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Code 28 selects a 3300 XL 8 mm probe with the approval option.
What physical cable length is represented by 05 in 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The cable-length field specifies 0.5 m.
How far beyond the housing does the selected penetration place 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The penetration field specifies 2.5 in.

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 probe mounting

Protects the proximity probe where it passes through a machine casing.

Shaft-relative vibration

Positions the 8 mm probe for non-contact vibration measurement.

Static shaft position

Maintains controlled probe reach for displacement or position monitoring.

Hazardous-area machinery

Supports an approved enclosure arrangement when all markings and installation conditions match.

APPLICATION VERIFICATION MAP

External bearing probe mounting	Confirm the documented system position and the required operating function.
Shaft-relative vibration	Compare the restored connection or control path with the approved record.
Static shaft position	Check the physical interface and the retained configuration before startup.
Hazardous-area machinery	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

How far beyond the housing does the selected penetration place 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The penetration field specifies 2.5 in.
What single plug is supplied under code 04 for 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Fitting code 04 supplies one 3/4-14 npt plug.
Why must the unknown standoff be confirmed separately for 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The XX standoff value is configuration-controlled and must be matched to the installed assembly without substitution.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match the complete 24701-28-05-XX-025-04-XX MOD:323933-30-02 marking before dismantling the installed housing.
02	Confirm the prepared mounting thread and the installed standoff value from the actual assembly record.
03	Check that the 2.5 in penetration leaves safe target clearance through machine movement.
04	Add sleeve support wherever the installed reach can resonate.
05	Install the one 3/4-14 npt plug with the approved seals and entry hardware.
06	Keep the probe connector, sleeve and enclosure sealing faces free from contamination.
07	Set the probe gap only after the housing and support hardware are secured.
08	Verify the complete 3300 XL 8 mm channel before restoring protection.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which matched transducer family supports 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Code 28 selects a 3300 XL 8 mm probe with the approval option.
What physical cable length is represented by 05 in 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The cable-length field specifies 0.5 m.
How far beyond the housing does the selected penetration place 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The penetration field specifies 2.5 in.
What single plug is supplied under code 04 for 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Fitting code 04 supplies one 3/4-14 npt plug.

IMPORTANT NOTICE	Confirm the prepared mounting thread and the installed standoff value from the actual assembly record. Verify the complete 3300 XL 8 mm channel before restoring protection.

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

Why must the unknown standoff be confirmed separately for 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The XX standoff value is configuration-controlled and must be matched to the installed assembly without substitution.
Which mounting thread controls the machine opening for 24701-28-05-XX-025-04-XX MOD:323933-30-02?	The complete housing marking and prepared machine interface must agree before the body is tightened.
What clearance protects the probe tip on 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Verify sleeve support, target clearance and stable probe position across the full operating movement.
What commissioning evidence should accompany 24701-28-05-XX-025-04-XX MOD:323933-30-02?	Record gap voltage, signal direction, dynamic response and the absence of monitor diagnostics.

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 330130-070-01-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330851-02-000-080-90-01-05	Related product reference. Compare the required interface and system position.
Bently Nevada 24701-28-05-XX-023-04-XX MOD:323933-30-02	Related product reference. Confirm the execution independently for the intended task.

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