



# Bently Nevada 24701-28-05-XX-015-04-XX MOD 323933-35-02

Stainless-Steel Proximity Probe Housing Assembly

## Product scope

- Uses a corrosion-resistant 24701 stainless-steel body and sleeve for external probe mounting.
- Sets a 1.5 in penetration while accommodating the specified 0.5 m probe lead.
- Keeps the standoff, mounting thread and MOD drawing visible as controlled configuration details.

## Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

| Request a fast quote                                                                                                                                              | Product reference                                             |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------|
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# Bently Nevada 24701-28-05-XX-015-04-XX MOD 323933-35-02

## Stainless-Steel Proximity Probe Housing Assembly

### Product overview

Bently Nevada 24701-28-05-XX-015-04-XX MOD 323933-35-02 is a stainless-steel external probe housing configured for a 0.5 m probe and 1.5 in penetration. The XX fields and MOD drawing remain configuration-controlled identifiers.

24701-28-05-XX-015-04-XX MOD 323933-35-02 identifies a 24701 stainless-steel housing around a 3300 XL 8 mm probe. Its 05 cable field denotes 0.5 m, while the 015 penetration field sets the probe tip 1.5 in into the machine case.

The assembly gives a rigid external mounting path for a proximity probe used to observe shaft position or vibration. A removable cover protects the probe connection while the threaded sleeve establishes a repeatable insertion geometry.

The standoff and mounting-thread fields remain XX and the MOD code refers to a controlled drawing. Confirm the nameplate, mating machine thread and drawing revision before treating the assembly as interchangeable.

### Technical specifications

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| Probe family option           | 28; 3300 XL 8 mm with selectable approval option |
| Probe cable length            | 0.5 m / 20 in                                    |
| Probe penetration             | 1.5 in / 38.1 mm                                 |
| Fitting package               | 04; one 3/4-14 NPT plug                          |
| Housing body material         | 303 stainless steel                              |
| Sleeve material               | 304 stainless steel                              |
| Housing arrangement           | External proximity probe housing                 |
| Standoff field                | XX; verify controlled configuration              |
| Mounting-thread field         | XX; verify controlled configuration              |
| MOD drawing reference         | 323933-35-02                                     |
| Long-sleeve support threshold | Support required above 304 mm / 12 in            |
| Typical mass without fittings | 1.8 kg / 4.0 lb                                  |

## 24701-28-05-XX-015-04-XX MOD 323933-35-02

### function and operating principle

#### Ordered configuration

The ordered assembly combines a 24701 housing, a 0.5 m 3300 XL 8 mm probe provision and 1.5 in penetration.

#### System role

It protects and positions the non-contacting probe at the machine case so the transducer chain can observe the shaft target.

#### Selection and installation

Before mounting, compare the XX fields and drawing 323933-35-02 with the installed sleeve, thread and required probe reach.

#### Functional path

- Uses a corrosion-resistant 24701 stainless-steel body and sleeve for external probe mounting.
- Sets a 1.5 in penetration while accommodating the specified 0.5 m probe lead.
- Keeps the standoff, mounting thread and MOD drawing visible as controlled configuration details.

#### Application scenarios

- External turbine and compressor cases can use the housing to support a shaft-vibration probe outside the bearing enclosure.
- Machine retrofits can retain a protected probe termination while establishing a defined 1.5 in insertion depth.
- Condition-monitoring installations use the removable cover to improve access to the probe connector during maintenance.

## 24701-28-05-XX-015-04-XX MOD 323933-35-02 engineering checks

### Environmental Ratings

- The stainless-steel body and sleeve resist normal industrial corrosion at an external machine mounting point.
- The assembly protects the probe connection from physical contact while installed with its cover secured.
- Hazardous-area suitability depends on the complete ordering configuration and applicable approval option.

### Certifications & Standards

- The housing family supports installations using probe systems engineered to API 670 dimensional and performance practices.
- Any hazardous-location marking must be verified from the exact nameplate and approval field before use.
- A controlled MOD drawing does not by itself establish a third-party certification or area classification.

### Installation & Integration

- The 1.5 in penetration must be set against the machine-case geometry and shaft target location.
- The probe lead must be longer than the sleeve path so the connector remains accessible under the cover.
- Both XX fields require confirmation of standoff length and mounting thread before the housing is fitted.

### Critical technical note

Retain the full 24701-28-05-XX-015-04-XX MOD 323933-35-02 identity; the unspecified standoff and mounting thread must be confirmed before installation.

The technical content in this document is limited to the exact product identity shown above and the verified manufacturer material used for preparation.



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