

## Accessories

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## General Information

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### Description

A large variety of accessories are available for use with Rockwell Automation/Allen-Bradley products offering convenience in mounting and applying proximity sensors.

Conduit adaptors allow easy connection of most threaded-barrel models to a conduit line. Banking screw adaptors provide a mechanical interface to applications allowing a proximity sensor to be utilized as a mechanical stop switch.

Our clamp, swivel/tilt, and right-angle brackets are designed for convenient mounting and adjustable positioning of tubular-style proximity sensors. Quick-change sensor mounting brackets are designed to allow quick and simple sensor replacement without readjustment. The spring return mounting bracket and end caps help to protect your sensor from damage due to collisions.

VersaCube mounting hardware provides superior mounting stability and convenience when retrofitting rectangular or limit switch style proximity sensors.

Plastic and PTFE end caps and covers provide additional protection to sensors from abrasion corrosion, chemicals, other weld slag and debris.

Sensor wells allow for quick and easy mounting of capacitive sensors in tanks and silos for level detection. Sight-glass mount sensor brackets allow convenient and simple mounting of capacitive sensors to sight tubes for level detection.

All threaded-barrel sensors are shipped with mounting nuts and lock washers. Replacement hardware is available if these become lost or damaged.

Accessories

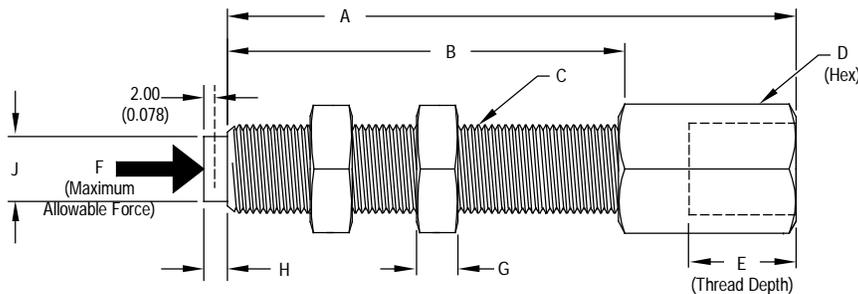
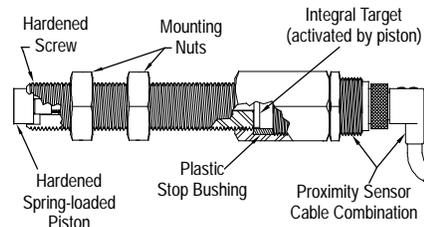
Banking Screw Adaptors

Description

Banking screw adaptors provide the flexibility to utilize inductive proximity sensors as mechanical stop switches. These banking screw adaptors are designed for use only with shielded sensors. Each banking screw adaptor is made of heat treated alloy steel

components and comes complete with two mounting nuts. Standard models require 252 g (9 oz) of force to activate the switch.

**NOTE:** Models are available requiring more force to activate the switch, contact factory for details.



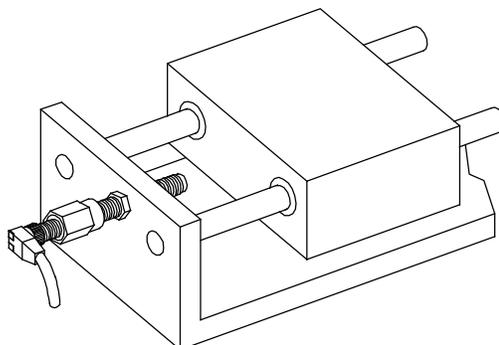
Approximate Dimensions [mm (in.)]

| For Use with:          | A           | B           | C       | D           | E           | F                    | G           | H            | J    | Cat. No.      |
|------------------------|-------------|-------------|---------|-------------|-------------|----------------------|-------------|--------------|------|---------------|
| 8 mm Shielded Sensors  | 57.2 (2.25) | 25.0 (1.00) | M8 x 1  | 11.0 (0.43) | 18.4 (0.72) | 2,000 N (450 lb)     | 5.08 (0.20) | 2.93 (0.115) | 5.84 | 871A-AK8-25   |
|                        | 82.6 (3.25) | 50.0 (2.00) |         |             |             |                      |             |              |      | 871A-AK8-50   |
| 12 mm Shielded Sensors | 57.2 (2.25) | 25.0 (1.00) | M12 x 1 | 15.7 (0.62) | 17.4 (0.67) | 20,500 N (4,608 lb)  | 6.35 (0.25) | 4.22 (0.166) | 9.40 | 871A-AK12-25  |
|                        | 82.6 (3.25) | 50.0 (2.00) |         |             |             |                      |             |              |      | 871A-AK12-50  |
|                        | 108 (4.25)  | 75.0 (3.00) |         |             |             |                      |             |              |      | 871A-AK12-75  |
|                        | 133 (5.25)  | 100 (4.00)  |         |             |             |                      |             |              |      | 871A-AK12-100 |
| 18 mm Shielded Sensors | 57.2 (2.25) | 25.0 (1.00) | M18 x 1 | 22.1 (0.87) | 22.1 (0.87) | 45,000 N (10,115 lb) | 6.35 (0.25) | 4.22 (0.166) | 14.2 | 871A-AK18-25  |
|                        | 82.6 (3.25) | 50.0 (2.00) |         |             |             |                      |             |              |      | 871A-AK18-50  |
|                        | 108 (4.25)  | 75.0 (3.00) |         |             |             |                      |             |              |      | 871A-AK18-75  |
|                        | 133 (5.25)  | 100 (4.00)  |         |             |             |                      |             |              |      | 871A-AK18-100 |

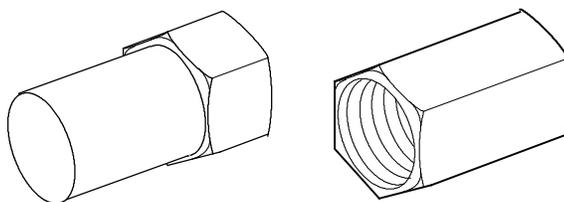
Sensors for use with Banking Screw Adaptors

| Sensor Diameter | Sensing Range [mm (in.)] | Specifications                     | Cat. No.             |
|-----------------|--------------------------|------------------------------------|----------------------|
| 8 mm            | 1.5 (0.06)               | (10...30V DC, N.O., PNP, Micro QD) | 872C-DX15-D4         |
| 12 mm           | 2.0 (0.08)               |                                    | 872C-DX34-D4         |
| 18 mm           | 3.0 (0.12)               |                                    | 872C-DX33-D4         |
| 12 mm           | 1.0 (0.04)               | (20...250V AC, N.O., Micro QD)     | <b>872C-A2N12-R3</b> |
| 18 mm           | 4.0 (0.16)               |                                    | <b>872C-A5N18-R3</b> |

Typical Application



## Conduit Adaptors for Tubular Proximity Sensors—Nickel-Plated Brass



12, 18, 30 mm

## For All Bulletin Numbers Except 871U

| Tube Diameter [mm (in.)] | Tube Thread Size | Approximate Dimensions [mm (in.)] | Cat. No. |
|--------------------------|------------------|-----------------------------------|----------|
| 12 (0.47)                | M12 x 1          |                                   | 871C-N13 |
| 18 (0.71)                | M18 x 1          |                                   | 871C-N19 |
| 30 (1.18)                | M30 x 1.5        |                                   | 871C-N31 |
| 12 (0.47)                | M12 x 1          |                                   | 871T-N5  |
| 18 (0.71)                | M18 x 1          |                                   | 871T-N6  |
| 30 (1.18)                | M30 x 1.5        |                                   | 871T-N7  |