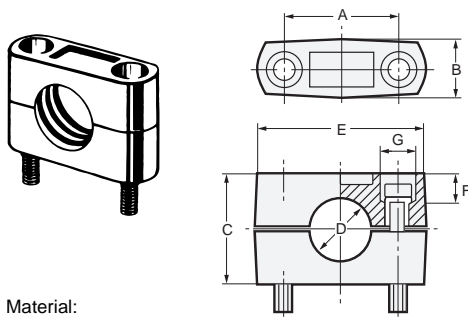


Mounting Brackets

Special resin mounting sleeves: Four different models available.
Simply select the size that fits the outside diameter of the Sensor.



Material:
Mounting Bracket: Polyacetal
Hexagonal bolt and spring washer: Nickel-plated iron

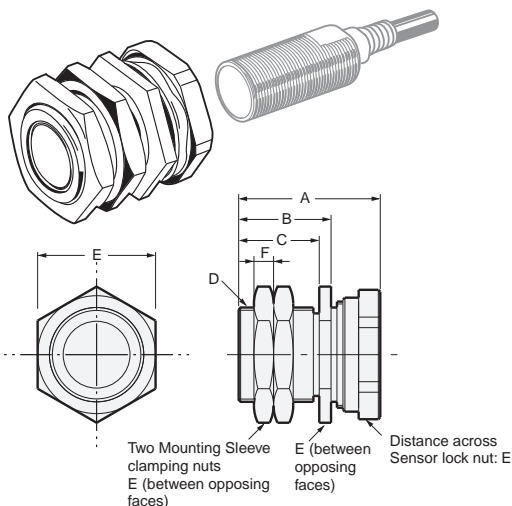
Mounting Bracket Dimensions

| Item | Dimension (mm) | | | | | | | Applied hexagonal bolts | Applicable Sensor diameter |
|----------|----------------|-----------|----|---------|---------|----|----------|-------------------------|----------------------------|
| Model | A | B | C | D | E | F | G | | |
| Y92E-B8 | 18±0.2 | 10 max. | 18 | 8 dia. | 28max. | 6 | 7.4 dia. | M4 × 20 | M8 |
| Y92E-B12 | 24±0.2 | 12.5 max. | 20 | 12 dia. | 37 max. | 6 | 8 dia. | M4 × 25 | M12 |
| Y92E-B18 | 32±0.2 | 17 max. | 30 | 18 dia. | 47 max. | 7 | 9.8 dia. | M5 × 32 | M18 |
| Y92E-B30 | 45±0.2 | 17 max. | 50 | 30 dia. | 60max. | 10 | 9.8 dia. | M5 × 50 | M30 |

Note: Consider the influence of surrounding metal when mounting non-shielded Sensors. (Refer to information on individual Sensors for dimensions.)

Mounting Sleeves (Quick Mounting)

Once the Mounting Sleeve and Sensor have been set properly, readjustment is not required when replacing the Sensor.



Material:
Bracket: Nickel-plated iron
Nut: Nickel-plated brass
Mounting Sleeve: Polyacetal

Mounting Sleeve Dimensions

| Item | Dimension (mm) | | | | | | Applicable Sensors |
|----------|----------------|------|------|-----------|----------------------------|---|-------------------------------|
| Model | A | B | C | D | E (between opposing faces) | F | |
| Y92E-G8 | Approx. 28 | 18.5 | 15.5 | M12 × 1 | 17 | 4 | E2E/E2E2 M8 Shielded Sensors |
| Y92E-G12 | Approx. 29 | 20.5 | 17.5 | M18 × 1 | 24 | 4 | E2E/E2E2 M12 Shielded Sensors |
| Y92E-G18 | Approx. 35 | 23.5 | 20.5 | M24 × 1.5 | 30 | 5 | E2E/E2E2 M18 Shielded Sensors |
| Y92E-G30 | Approx. 39 | 27.5 | 24.5 | M36 × 1.5 | 41 | 5 | E2E/E2E2 M30 Shielded Sensors |

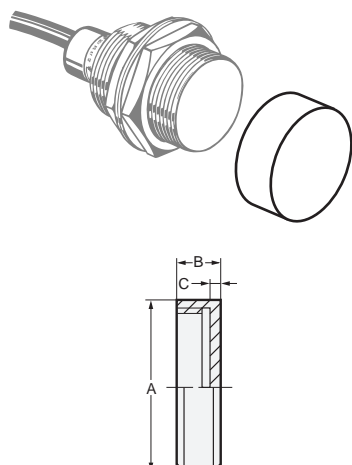
Note: Do not tighten the nut with excessive force. Do not exceed the torque in the following table.

| Item | Dimension (mm) | |
|----------|-------------------------------|-----------------|
| Model | Mounting Sleeve clamping nuts | Sensor lock nut |
| Y92E-G8 | 18 N·m | 6 N·m |
| Y92E-G12 | 40 N·m | 15 N·m |
| Y92E-G18 | 70 N·m | 15 N·m |
| Y92E-G30 | 100 N·m | 30 N·m |

Protective Covers [A Protective Cover cannot be used with a Capacitive Proximity Sensor.]

Covers are available to protect the Sensing Head.
Simply select the size that fits the outside diameter of the Sensor.

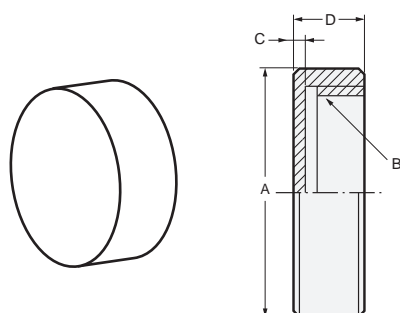
Protective Cover Dimensions



| Item Model | Dimension (mm) | | | Cover inner diameter (threaded) | Material | Applicable Sensor diameter |
|---------------|----------------|----|---------------------|---------------------------------------|---------------------|-------------------------------|
| | A | B | C | | | |
| Y92E-E12 | 14 dia. | 5 | $0.5^{+0.2}_{-0.1}$ | M12 × 1 | Polyacetal resin | M12 Shielded Models |
| Y92E-E18 | 21 dia. | 6 | 1 ± 0.2 | M18 × 1 | | M18 Shielded Models |
| Y92E-E30 | 33 dia. | 8 | 1.5 ± 0.2 | M30 × 1.5 | | M30 Shielded Models |
| Y92E-E12M | 14 dia. | 12 | $0.5^{+0.2}_{-0.1}$ | M12 × 1 | | M12 Unshielded Models |
| Y92E-E18M | 21 dia. | 16 | 1 ± 0.2 | M18 × 1 | | M18 Unshielded Models |
| Y92E-E30M | 33 dia. | 21 | 1.5 ± 0.2 | M30 × 1.5 | | M30 Unshielded Models |

Sputter Protective Covers (Threaded on Inside of Cover) [A Sputter Protective Covers cannot be used with a Capacitive Proximity Sensor.]

The cover uses Fluororesin, so that chips that adhere due to sputtering can be easily removed.



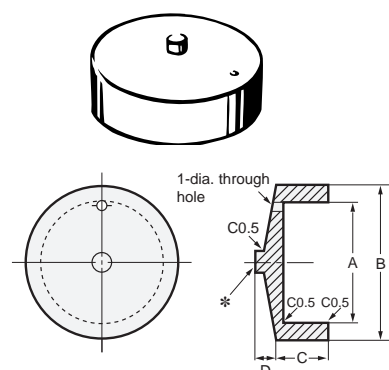
Sputter Protective Cover Dimensions

| Item Model | Dimension (mm) | | | | Applicable Sensor diameter |
|---------------|----------------|-----------|---------------------|---|-------------------------------|
| | A | B | C | D | |
| Y92E-E8-7 | 10 dia. | M8 × 1 | $0.5^{+0.2}_{-0.1}$ | 5 | M8 Shielded Models |
| Y92E-E12-7 | 14 dia. | M12 × 1 | $0.5^{+0.2}_{-0.1}$ | 5 | M12 Shielded Models |
| Y92E-E18-7 | 21 dia. | M18 × 1 | 1 ± 0.2 | 6 | M18 Shielded Models |
| Y92E-E30-7 | 33 dia. | M30 × 1.5 | 1.5 ± 0.2 | 8 | M30 Shielded Models |

Note: Do not screw on too tightly, or the cap may be damaged.

Sputter Protective Covers (Not Threaded on Inside of Cover) [A Sputter Protective Covers cannot be used with a Capacitive Proximity Sensor.]

Chips that adhere due to sputtering can be easily removed.



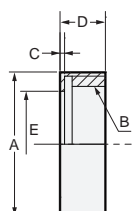
Sputter Protective Cover Dimensions

| Item Model | Dimension (mm) | | | | Material | Applicable Sensor diameter |
|---------------|----------------|-----------|-----|-----|-------------------|-------------------------------|
| | A | B | C | D | | |
| Y92E-E12-2 | 11.0 dia. | 14.0 dia. | 5.0 | 1.0 | Silicon rubber | M12 Shielded Models |
| Y92E-E18-2 | 17.0 dia. | 21 dia. | 7.0 | 3.0 | | M18 Shielded Models |
| Y92E-E30-2 | 28.5 dia. | 33.0 dia. | 8.0 | 6.0 | | M30 Shielded Models |

* There is no protrusion on Y92E-E12-2.

Protective Cover (Metal Cover for E2V and E2EZ Sensors)

Protect the Sensor from horizontal shocks and prevent the sensing surface from hitting workpieces.
The countermeasure for aluminum chips functions even with the Cover attached.



Protective Cover Dimensions

| Model | Item | Dimension (mm) | | | | | Applicable Sensor | Material |
|-----------|------|----------------|---------------|-----------|---|---------|--|----------|
| | | A | B (threading) | C | D | E | | |
| Y92E-VM12 | | 13 dia. | M12 × 1 | 0.60±0.05 | 5 | 9 dia. | E2V, M12 with shield E2EZ-X2D□-N E2EZ-X2D1-M1(T)(G)J | SUS303 |
| Y92E-VM18 | | 19 dia. | M18 × 1 | 0.60±0.05 | 6 | 14 dia. | E2V M18 with shield E2EZ-X4D□-N E2EZ-X4D1-M1(T)(G)J | |
| Y92E-VM30 | | 31 dia. | M30 × 1.5 | 0.60±0.05 | 8 | 24 dia. | E2V M30 with shield E2EZ-X8D□-N E2EZ-X8D1-M1(T)(G)J | |

Ratings and Performances with the Protective Cover Mounted

| Item | Model | E2V-X□ | E2EZ-X□ |
|---------------------------|-------|--|---|
| Sensing distance | | When the Cover is mounted, the range changes by ±10% in comparison with the range without the Cover mounted. Use the Sensor within the set distance range. | When the Cover is mounted, the range changes by ±10% in comparison with the range without the Cover mounted. For M30 models, the range changes by ±15%. Use the Sensor within the set distance range. |
| Ambient temperature range | | Operating: 5 to 55°C (with no condensation.) Storage: -25 to 70°C (with no icing or condensation.) | Operating: 0 to 50°C (with no icing or condensation.) Storage: 0 to 50°C (with no icing or condensation.) |

Note: Other ratings and performances do not change from those of the E2V/E2EZ.
You can use a thread-locking compound to mount the Cover more securely.

Nut Sets

These nut sets are for mounting the Sensors. Order them if you lose the mounting screws.
Order the correct set for the outer diameter of your Sensor.

| Model | Item | Applicable Sensor | Applicable Sensor diameter | Set contents |
|-----------------|----------------|-------------------|----------------------------|---|
| Y92E-NWM08-E2E | E2E | | M8 | Clamping nuts (bronze with nickel plating): 2 Toothed washer (iron with zinc plating): 1 |
| Y92E-NWM12-E2E | | | M12 | |
| Y92E-NWM18-E2E | | | M18 | |
| Y92E-NWM30-E2E | | | M30 | |
| Y92E-NWM12-E2EQ | E2EQ | | M12 | Clamping nuts (Fluororesin coating, Base material: brass): 2 Toothed washer (iron with zinc plating): 1 |
| Y92E-NWM18-E2EQ | | | M18 | |
| Y92E-NWM30-E2EQ | | | M30 | |
| Y92E-NWM8 | E2FM E2EF-X | | M8 | Clamping nuts (SUS303): 2 Toothed washer (iron with zinc plating): 1 |
| Y92E-NWM12 | | | M12 | |
| Y92E-NWM18 | | | M18 | |
| Y92E-NWM30 | | | M30 | |
| Y92E-NWM12-E2EH | E2EH | | M12 | Clamping nuts (SUS316L): 2 |
| Y92E-NWM18-E2EH | | | M18 | |
| Y92E-NWM30-E2EH | | | M30 | |
| Y92E-NWM12-E2EZ | E2EZ | | M12 | Clamping nuts (iron with zinc plating): 2 Toothed washer (iron with zinc plating): 1 |
| Y92E-NWM18-E2EZ | | | M18 | |
| Y92E-NWM30-E2EZ | | | M30 | |
| Y92E-NWM08-E2F | E2F | | M8 | Clamping nuts (polyacetal): 2 |
| Y92E-NWM12-E2F | | | M12 | |
| Y92E-NWM18-E2F | | | M18 | |
| Y92E-NWM30-E2F | | | M30 | |

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