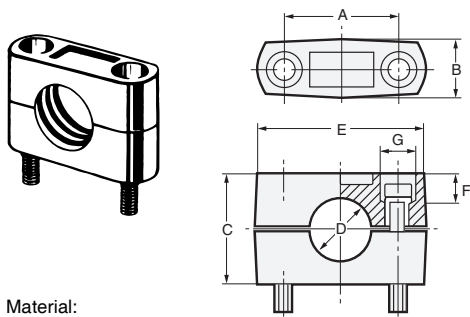


Mounting Brackets

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

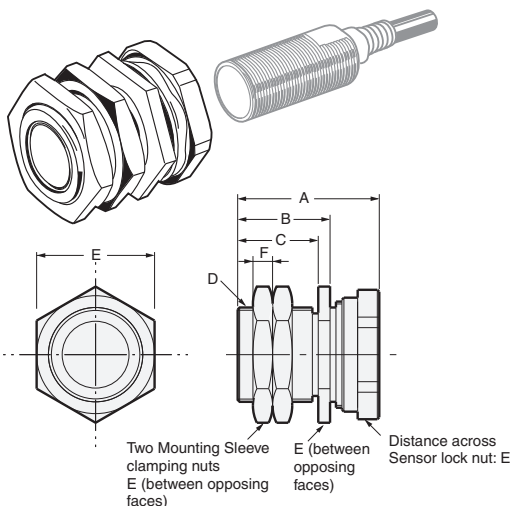
Mounting Bracket Dimensions

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.	37max.	6	8 dia.	M4 × 25	M12
Y92E-B18	32±0.2	17 max.	30	18 dia.	47max.	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

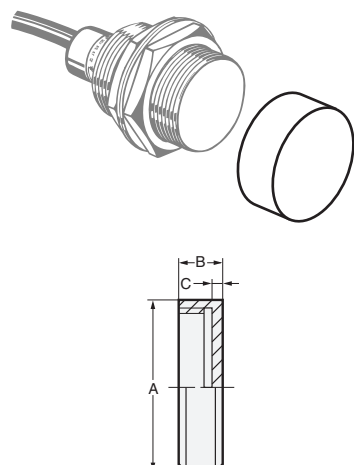
Note: Do not tighten the nut with excessive force. Do not exceed the torque in the following table.

Item	Torque (N·m)	
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.

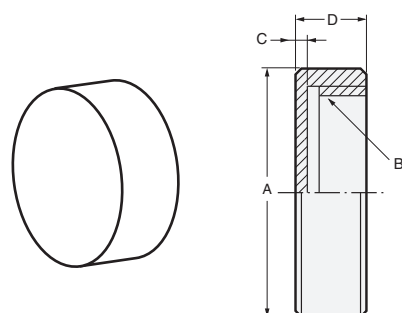
Protective Cover Dimensions



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.



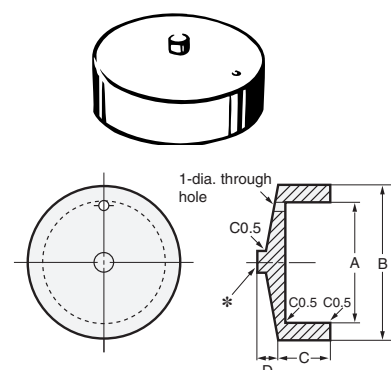
Sputter Protective Cover Dimensions

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.



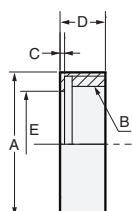
Sputter Protective Cover Dimensions

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 Plain washers (nitrile rubber [NBR]): 2
Y92E-NWM12-E2F			M12	
Y92E-NWM18-E2F			M18	Clamping nuts (polyacetal): 2
Y92E-NWM30-E2F			M30	

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