CSM_E39-L/E39-S/E39-R_DS_E_19_6

Mounting Brackets [Refer to Dimensions on page 6.]

	Fitting		Acce	Applicable sensor	Page		
Model	materials	Count	Description	Material	Count	(mounting pitch on sensor side)	Dimensions
E39-L31	Iron, zinc plating	1	Slotted/Phillips screws, M3 × 12 (with spring washers)	Iron, zinc plating	2	E3C-S50 (8)	
E39-L40	Iron, zinc plating	1	Phillips screws M4 × 25 (with spring and plain washers)	Iron, zinc plating	2	E3JK	
			Nuts M4	Iron, zinc plating	2		
E39-L41	Iron, zinc plating	2	Phillips screws M3 × 14 (with spring washers)	Iron, zinc plating	4	E3C-1 (10)	5
			Plain washer M3	Iron, zinc plating	4		
E39-L42	Iron,	2	Phillips screws M3 × 10 (with spring washers)	Iron, zinc plating	4	E3C-2 (20) E3C-DS10 (19)	
L03-L42	black coating	_	Plain washer M3	Iron, zinc plating	4	E3C-VS1G (19) E3C-VS3R (19)	
E39-L43	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L44	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L51	Iron, zinc plating	1	Slotted/Phillips screws M4 × 30 (with spring and plain washers)	Iron, zinc plating	2	E3JM (40)	7
			Nuts M4	Iron, nickel plating	2		_ ′
E39-L53	Iron, zinc plating	1				E3JM (40)	
E39-L54V	Stainless steel (SUS304)	1				E32-T54V	
E39-L83	Stainless steel	1				E32-T24S E32-A03	
E39-L85	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	8
E39-L86	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	8
E39-L87	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

	Fitting	Fitting	Acce	essories		Applicable sensor	Page	
Model	materials	Count	Description	Material	Count	(mounting pitch on sensor side)	Dimensions	
	04-1-1		Holder (upper)	Heat-resistant ABS resin	1	,		
E39-L93FH	Stainless steel (SUS304)	1	Holder (lower)	66 nylon	1			
	(303304)		Pipe	Stainless steel (SUS304)	1			
E39-L93FV	Stainless steel	1	Bolts M4 × 12 with Hexagonal holes	Iron, nickel plating	2			
	(SUS304)		Bolts M4 × 30 with hexagonal holes	Iron, nickel plating	1	E3Z (25.4) E39-R1/E39-R3	9	
E39-L93H	Stainless steel (SUS304)	1	Phillips screws M3 × 12 (with spring and plain washers)	Stainless steel (SUS304)	2			
	Ctainless steel		Spring washer M4	Iron, nickel plating	1			
E39-L93V	Stainless steel (SUS304)	1	Plain washer M4	Iron, nickel plating	1			
	(303304)		Nuts M4	Iron, nickel plating	3			
			Holder	66 nylon	1			
F00 6000/			Pipe	Stainless steel (SUS304)	1	E3Z (25.4)		
E39-L93XY			Bolts M5 × 16 with hexagonal holes	Stainless steel (SUS304)	2	E39-R1/E39-R3		
			Nuts M5	Stainless steel (SUS304)	2			
			Phillips screws M3 × 10	Iron, zinc plating	4	E32-T16P (19)	1	
E39-L94	Iron, zinc plating	2	Nuts M3	Iron, zinc plating	4	E32-T16PR (19)		
E39-L96			Trails in S	Tron, zino piating		(,	10	
* For installation of Sensor Adjuster E39- L93	Stainless steel (SUS304)	1	Phillips screws M3 × 6 (with spring and plain washers)	Iron, nickel plating	2	E39-R1		
E39-L98	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 12 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	-	
E39-L102	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (horizontal type) (25.4)		
E39-L103	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (vertical type) (25.4)	11	
E39-L104	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4) E32-R21 (for installation of E39-R3) (25.4)	- 11	
E39-L116	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)		
E39-L117	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)		
E39-L118	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)		
E39-L119	Stainless steel (SUS304)	1				E3T-F (8)		
E39-L120	Stainlage staal					E3T-F (8)	12	
E39-L127-T1	Iron, zinc plating	1	Phillips screws M2.3 × 8 Spring washer M2.3	Iron, zinc plating Iron, zinc plating	4		1	
E39-L127-T2	Iron, zinc plating	1	Phillips screws M2.3 × 8	Iron, zinc plating	4	E3C-S10 (7.5)		
		-	Spring washer M2.3	Iron, zinc plating 4		-		
E39-L127-T3	Iron, zinc plating	1	Phillips screws M2.3 × 8	Iron, zinc plating	4			
	, ,		Spring washer M2.3	Iron, zinc plating	4			

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

Model materials Count Description Material Count		Fitting		Acce	essories		Applicable sensor	Page	
E39-L143 Stainless steel (SUS304) 1 None	Model		Count	·	Material	Count		Dimensions	
E39-L143 Stainless steel (SUS304) 1 None Stainless steel (SUS304) 2 E30-L1A E3	E39-L142		1		Stainless steel (SUS304)	2			
Company	E39-L143	Stainless steel (SUS304)	1	None			E3NX-CA E3NX-FA E3X-DA-S/MDA E3NC-LA E3NC-SA E2CY-SD E9NC-TA E3X-NA E3C-LDA E2C-EDA E4C-UDA	13	
Bay-Life Susside Formal	E39-L144	(SUS304)	1		Stainless steel (SUS304)	2			
E39-L150 Stainless steel (SUS304) 1 Stainless steel (SUS304) 1 E3Z (25.4) E39-R3 E39-L151 Stainless steel (SUS304) 1 Stainless steel (SUS304) 1 E3Z (25.4) E39-R3 E39-L151 Stainless steel (SUS304) 1 E3Z (25.4) E39-R3 E39-L151 Stainless steel (SUS304) 1 E3Z (25.4) E39-R3 E39-L151 Stainless steel (SUS304) 2 E32 (25.4) E39-R3 E39-L151 Stainless steel (SUS304) 1 Stainless steel (SUS304) 2 E3Z (25.4) E33-R6 (SUS304) 1 E3Z (25.4) E33-R6 (SUS304) E	E39-L148	(SUS304)	1	None			E3X-NA		
Halate Stainless steel (SUS304) 1	E39-L149		1				E3Z-G		
Holder/bracket	E39-L150		1	Shaft (brace) Bolt with hexagonal hole Nut Phillips screw	thalate) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUSXM7) Stainless steel (SUS304)	1 1 1	E3S-R6□/R8□ (20)	14	
Susside Stainless steel Susside Stainless steel Susside Stainless steel Susside Stainless steel Susside Susside Stainless steel Susside Stainless steel Susside Susside Stainless steel Susside Susi		(SUS304) Stainless steel		Shaft (brace) Bolt with hexagonal hole Nut Phillips screw Slotted/Phillips screws Slotted/Phillips screws M3 × 8	thalate) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7)	1 1 1 1 2	E3S-R6□/R8□ (20) E39-R3 E3Z pre-wired model		
Stainless steel (SUS304) 1	E39-L166	Stainless steel	1	, , , , , , , , , , , , , , , , , , , ,	, , ,	1	, ,		
F39-L180	E39-L167	Stainless steel	1		, ,		, ,	15	
E39-L180	E39-L168	PBT (polybutylene	1				E3T-FD□□M		
E39-L181 Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel 2 ZX1-LD300□ ZX1-LD600□ 16 E39-L185 Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel 2 E3NC-LH02 E39-L186 Stainless steel (SUS304) 1 Phillips screw Stainless steel 2 E3NC-LH02 E39-L187 Stainless steel Stainless steel 1 E3NC-LH01 E39-L188 Stainless steel Stainless steel 2 E3NC-SH250H E3NC-SH250H E3NC-SH100 E39-L188 Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel 2 E3NC-SH250H E3NC-SH250	E39-L180	Stainless steel	1						
Stainless steel 1 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH02 E3NC-LH01	E39-L181		1					16	
Stainless steel	E39-L185		1	Nut plate			E3NC-LH02		
Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel Stainles	E39-L186	Stainless steel	1	Phillips screw		2	E3NC-LH01		
E39-L188 Stainless steel (SUS304) 1 Phillips screw Nut plate Stainless steel 2 E3NC-SH250 E3NC-SH100 E30-L100 Stainless steel 1 Phillips screw Stainless steel 2 E3NC-SH200	E39-L187	Stainless steel	1	Phillips screw	Stainless steel		E3NC-SH250		
	E39-L188		1				E3NC-SH250	17	
	E39-L190		1				E3NC-LH03		

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

Slits

Model	Slit width	Installation procedure	Applicable type		
E39-S39	Width 1 × 20 mm	Seal type	E3JM-10□4 (T)-N		
E39-S61	Width 0.5, 1, 2, 4 × 11 mm		E3S-CT□1		
E39-S63	0.5-mm dia., 1 mm		E3T-ST1□		
E39-S64	0.5-mm dia., 1 mm		E3T-FT1□		
E39-S65A	0.5 mm dia.				
E39-S65B	1-mm dia.	Plug-in type			
E39-S65C	2-mm dia.		E3Z-T□□		
E39-S65D	Width 0.5 × 10 mm		E32-1		
E39-S65E	Width 1 × 10 mm				
E39-S65F	Width 2 × 10 mm				
E39-S68	Width 0.5, 1 × 13.4 mm	Seal type	E32-T16P E32-T16PR		
E39-S76A	0.5-mm dia.	Plug in type	E3T-ST□M		
E39-S76B	1-mm dia.	Plug-in type	E31-51 LIM		

Note:

Applicable models that appear shaded come with the Slits at left as accessories

Reflectors (Refer to Dimensions on page 18.)

	Name	Reflectors Non-fogging reflective plate			Reflectors		Special Reflector for E3ZM-B			
Item	Model	E39-R1	E39-R1S	E39-R1K	E39-R2	E39-R6	E39-R10	E39-RP1	E39-RSP1	E39-RP37
Directional ang	le	30° min. *1 30° min. *2					30° min.			
Ambient operating temperature range		−25 to 55°C						−40 to 60°C	−25 to	55°C
Ambient storag		-40 to	-40 to 70°C -40 to 55°C -40 to 70°C				0 to 40°C			
Ambient operate humidity range		35% to 85% 35%				35% to 95%		35% to 85%		
Ambient storage humidity range					35% to 95%				35% t	o 85%
Degree of prote	ection				IEC IP67				-	-
Accessories					-					Phillips screws M3 × 8, spring washers M3, nuts M3

^{*1. 40°} or higher for E3JM-R and E3JK-R. *2. 40° or higher for E3G-R.

	Name		Small re	eflector	Tape reflector *			
Item	Model	E39-R9	E39-R3	E39-R4	E39-R37-CA *	E39-RS1 E39-RS1-CA	E39-RS2 E39-RS2-CA	E39-RS3 E39-RS3-CA
Directional a	ngle				30° min.			
Ambient operating temperature range -25 to 55°C								
Ambient stortemperature			–40 to 70°C			0 to 4	0°C	
Ambient ope humidity ran		35% to 95%	35% to 85%					
Ambient sto			35% to 95% 35% to 85%					
Degree of pr	otection		IEC IP67					
Accessories		Mounting Brack- ets E39-L104 × 8, spring wash- (with screws) ers M3, nuts M3						

^{*} Models ending in the suffix "-CA" are reflectors only for E3T-SR4.

	Name	Laser Reflectors								
		Standard		Short-distance transparent object detection	She	ets				
Item	Model	E39-R12	E39-R13	E39-R14	E39-RS4	E39-RS5				
Ambient op		−10 to 55°C (No icing)								
Ambient storage temperature range		−25 to 70°C (No icing)								
Ambient op humidity rai		35 to 85% (No condensation)								
Ambient sto humidity rai		35 to 85% (No condensation)								

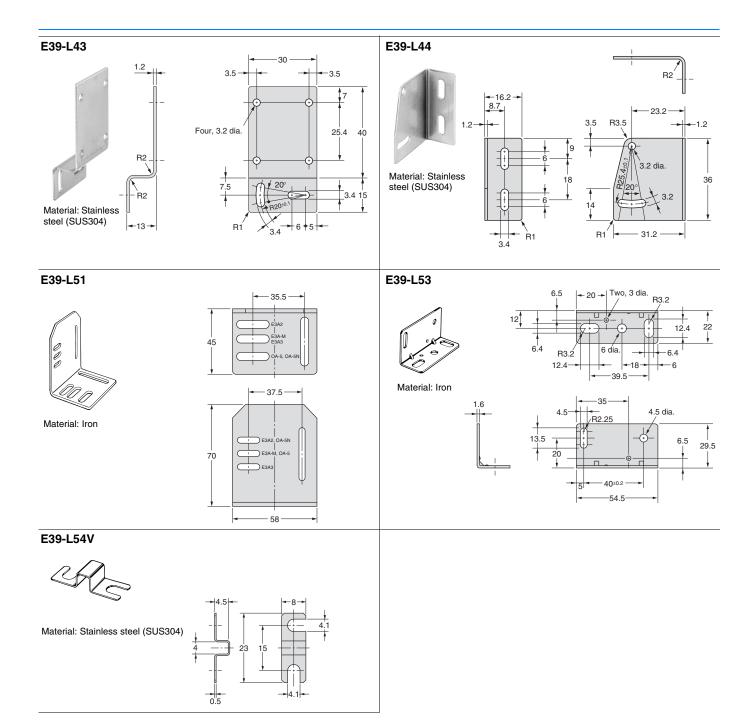
	Name		Laser Reflectors						
		Stan	dard	She	eets				
Item	Model	E39-R21 *	E39-R22 *	E39-RS10 *	E39-RS11 *				
Ambient op temperature			−10 to 55°C (No icing	and no condensation)					
Ambient sto	_	-25 to 70°C (No icing and no condensation)							
Ambient op humidity ra		35 to 85% (No condensation)							
Ambient storage humidity range 35 to 85% (No condensation)									

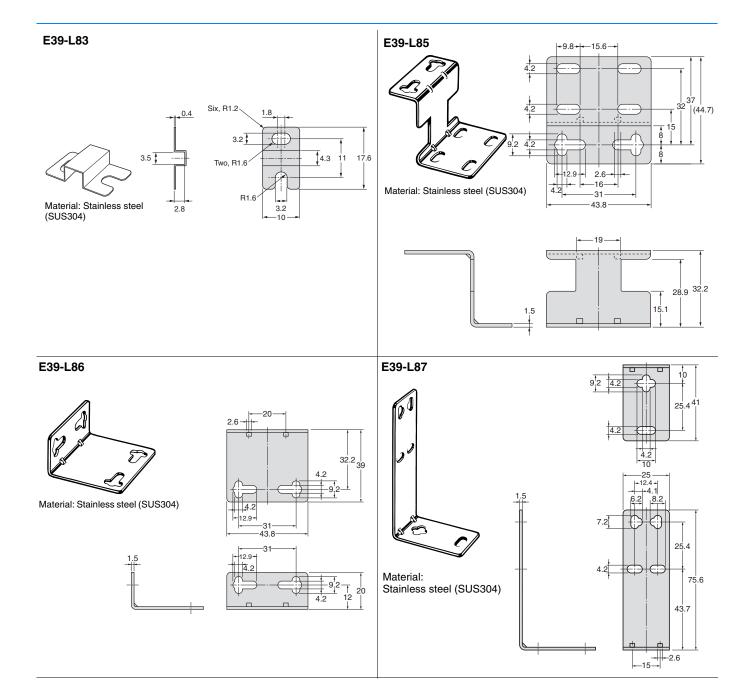
^{*} Models only for E3NC-LH03

E39-L31 E39-L40 Four, R1.6 3.9 Two, R5 — 42±0.1 → 3.9 ⊢3.2 Material: Iron Two, R5 Material: Iron -12-Two, 4.4 dia Two, R5.6 Two, R5 √Two, R5 R3 |-8-| Two, M3 4.5 dia. max. Pushing out height: 0.6 min. 31.2 21.9 **4**5' E39-L41 E39-L42 -27-Material: Iron Material: Iron | 21 15.5 | R3 | 10±0.1 | 2-M3

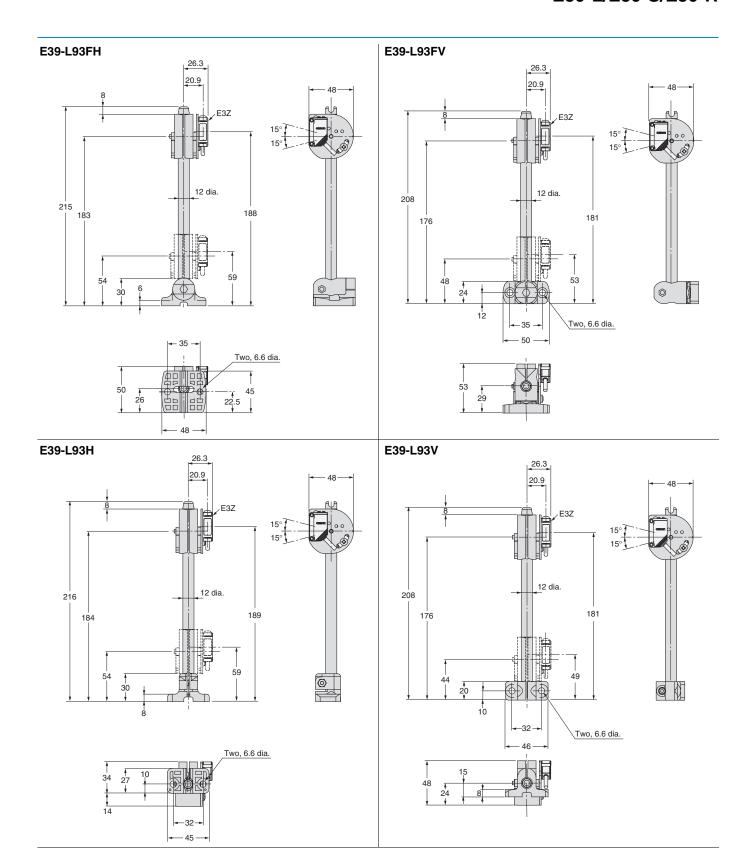
4.5 dia. max. Pushing out height: 0.6 min.

E39-L/E39-S/E39-R

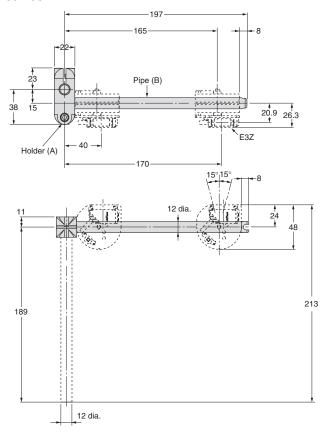




E39-L/E39-S/E39-R

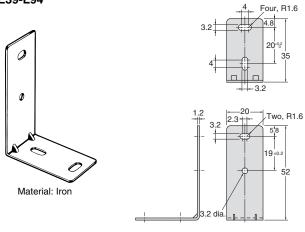


E39-L93XY



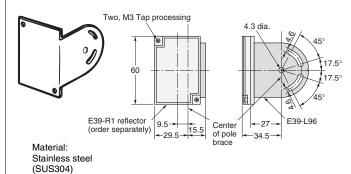
Note: The E39-L93XY consists of only the one joint holder (A) and pipe, and the two hexagonal bolts and nuts. It cannot be mounted to the Sensor alone.

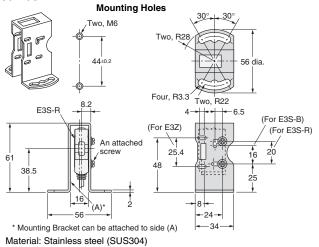
E39-L94



E39-L96

2-mm-thick



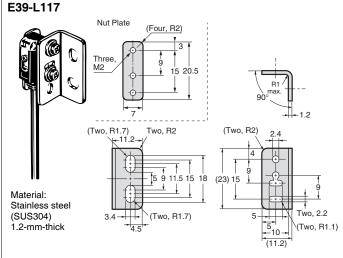


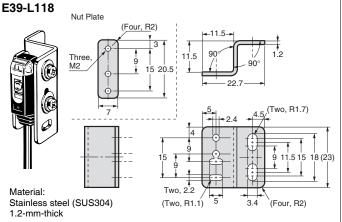
4.2

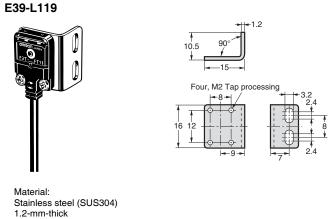
-31±0.1 -43.8-

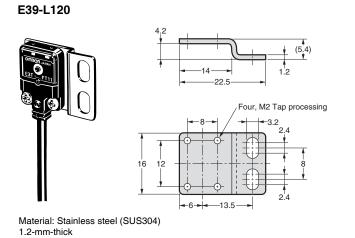
E39-L102 E39-L103 E39-L103 E39-L103 E39-L103 E39-L103 E39-L103 E39-L103 Material: Stainless steel (SUS304) E39-L104 E39-L104 E39-L104 E39-L105 Material: Stainless steel (SUS304) E39-L104 E39-L105 E39-L106 Material: Stainless steel (SUS304) E39-L106 E39-L107 E39-L108

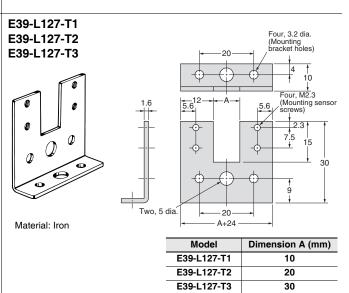
E39-L116 Nut Plate (Four, R2) (Two, R1.7) Three M2 (17.8)15 20.5 (Two, R2) (Two, R1.1) Material: Stainless steel (SUS304) (Two, R1.2) 1.2-mm-thick R1.5 max. E39-L118 Nut Plate (Four, R2) Three. M2





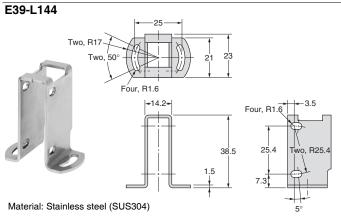


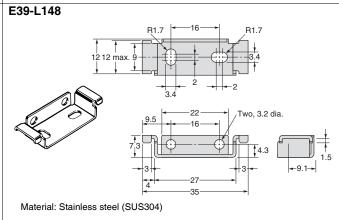


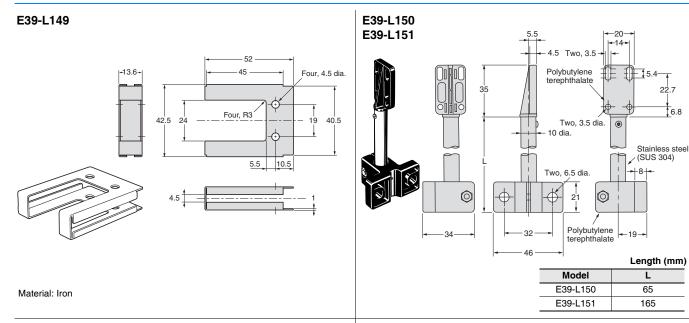


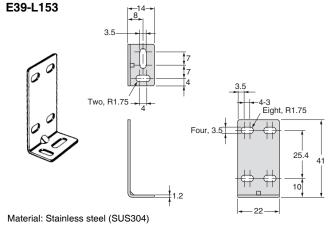
E39-L143 10.3 10

Material: Stainless steel (SUS304)

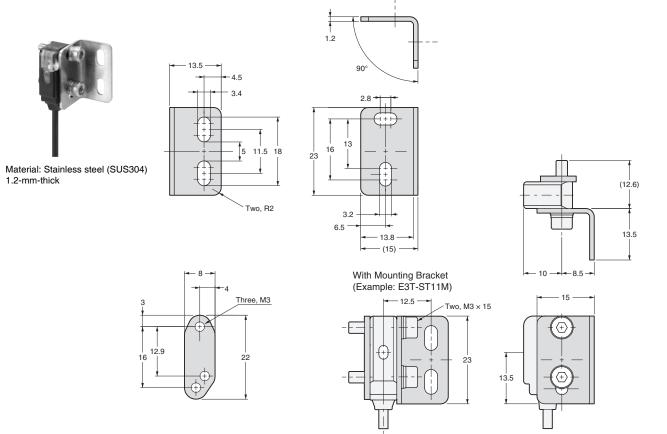


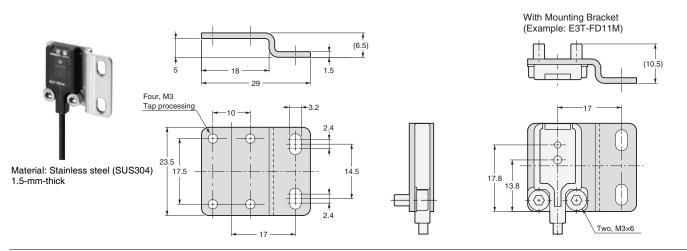




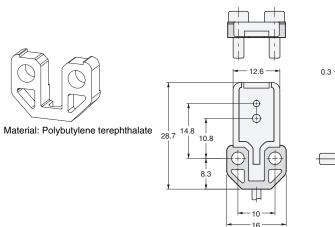


E39-L166



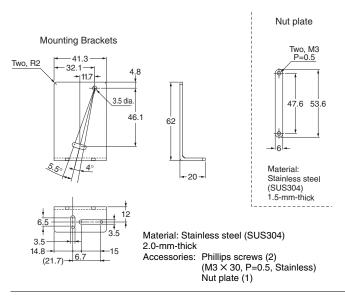


E39-L168



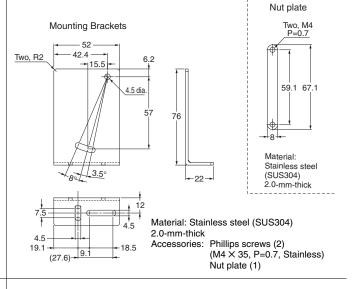
Note: Use this Spacer when mounting the Sensor from the back.

E39-L180

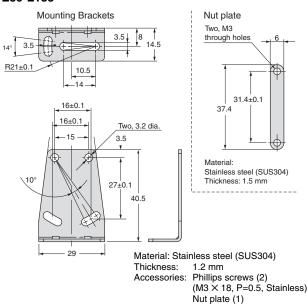


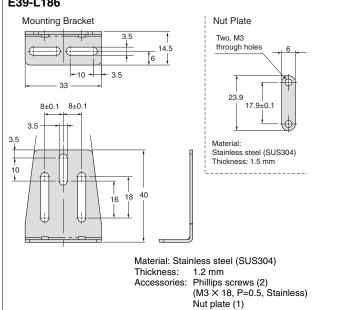
E39-L181

(7.3)

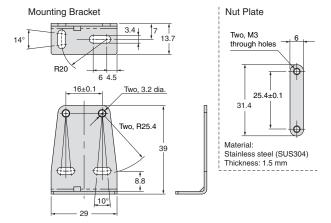


E39-L185





E39-L187

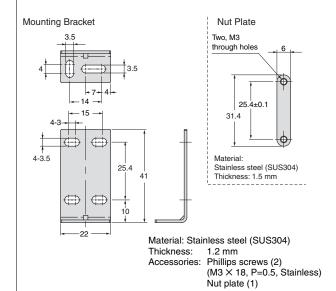


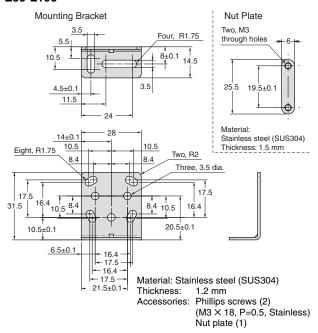
Material: Stainless steel (SUS304)

Thickness: 1.2 mm

Accessories: Phillips screws (2) (M3 × 18, P=0.5, Stainless) Nut plate (1)

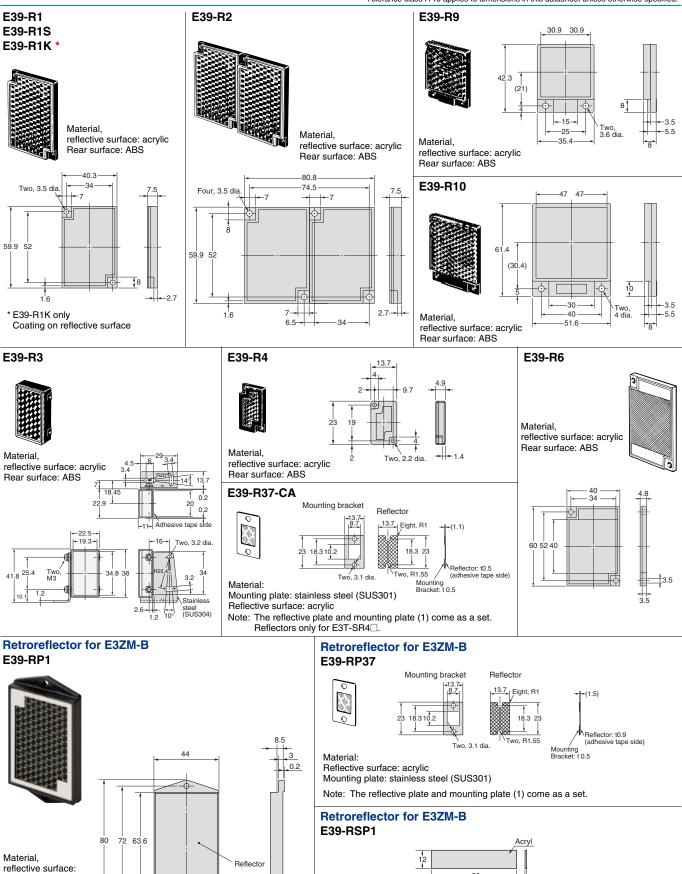
E39-L188



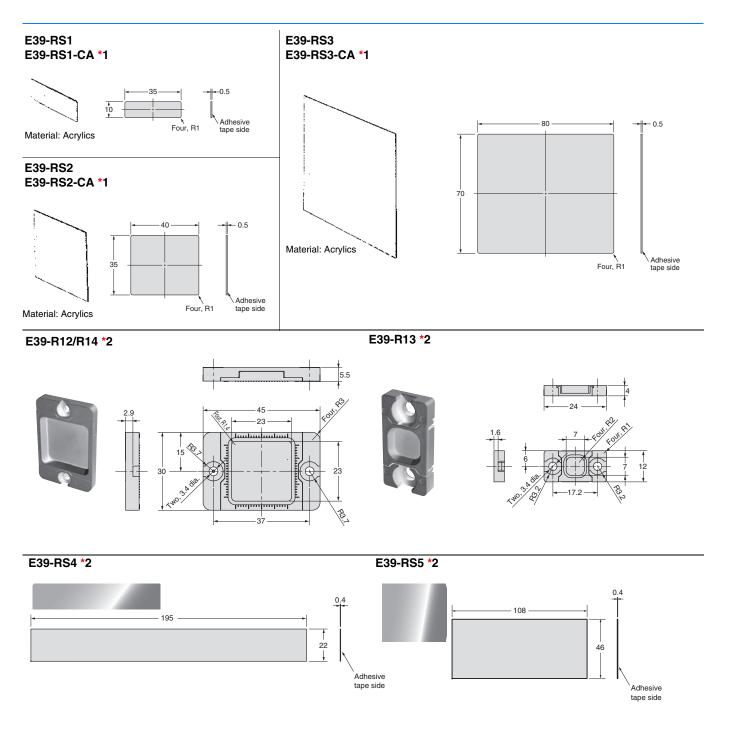


Reflector dimensions

acrylic Rear surface: ABS (Unit: mm)
Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.



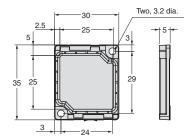
Two, 3.5 dia.



^{*1.} Models ending in the suffix "-CA" are reflectors only for E3T-SR4\[\].
*2. These Reflectors are for E3C-LDA-series Sensors. However, the E39-R12 can also be used with an E3Z-LR\[\] Retroreflective Laser Sensor.

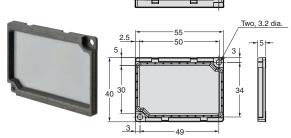
E39-R21 *3





Material, reflective surface: methacrylic resin (PMMA) Rear surface: Polybutylene terephthalate (PBT)

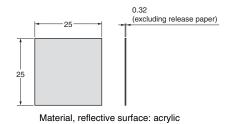
E39-R22 *3



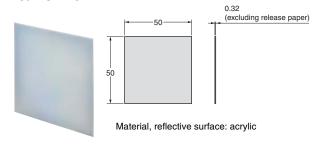
Material, reflective surface: methacrylic resin (PMMA) Rear surface: Polybutylene terephthalate (PBT)

E39-RS10 *3





E39-RS11 *3



^{*3.} Models only for E3NC-LH03

Terms and Conditions Agreement

Read and understand this catalog.

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