

Brackets for Sensor with Stands


Plastic Stands / Stand Sheet Metal Type

Bracket Components for Sensor with Stands


Pipe Shafts / Stands / Brackets / Plastic Strut Clamps / Flexible Clamps

■ **Features:** Sensors can be installed right after the purchase since Stands, Pipe Shafts and Brackets are already included in a set.

■ **Plastic Stands**
1-Shaft Pipe

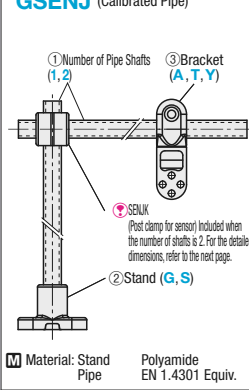


2-Shaft Pipe



RoHS

SENJ GSENJ (Calibrated Pipe)



① Number of Pipe Shafts (1, 2) ③ Bracket (A, T, Y)

② Stand (G, S)

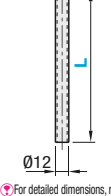
Material: Stand Pipe Polyamide EN 1.4301 Equiv.

When 2-shaft configuration is selected, SENJK (Strut Clamp for sensor on the right-hand page) is included.

For detailed dimensions of each product, refer to the drawing on the next page.

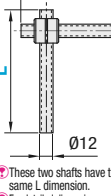
① Number of Pipe Shafts

1



For detailed dimensions, refer to the next page SENP, GSENP

2

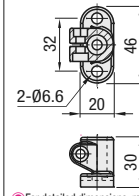


These two shafts have the same L dimension.

For detailed dimensions, refer to the next page SENP, GSENP

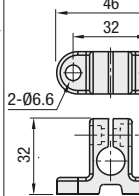
② Stand

G (Flat Mount)



For detailed dimensions, refer to the next page SENJG

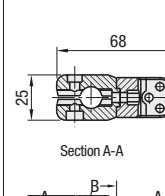
S (Side Mount)



For detailed dimensions, refer to the next page SENJS

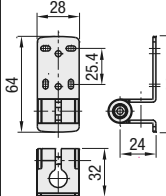
③ Bracket

A (Perpendicular Shaft Mount, Tip Rotation)



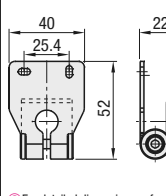
Section A-A

T (Parallel Shaft Mount)



For detailed dimensions, refer to the next page SENRT

Y (Perpendicular Shaft Mount)



Can be fixed at desired location in 11.25° increment.

Details of Hatched Area (B-B)


For detailed dimensions, refer to the next page SENJA

For detailed dimensions, refer to the next page SENRY


■ **Plastic Stands** Dedicated nuts, dedicated washers and M5 hex socket head cap screws are included with Stands and Bracket set.

Part Number		L Selection	Stand	Bracket	Unit Price									
Type	Number of Pipe Shafts				Stand G (Flat Mount)					Stand S (Side Mount)				
					L100	L150	L200	L250	L300	L100	L150	L200	L250	L300
SENJ	1	100 150 200 250 300	G (Flat Mount)	T (Parallel Shaft Mount)										
GSENJ	2			Y (Perpendicular Shaft Mount)										

■ **Stand Sheet Metal Type**
1-Shaft Pipe

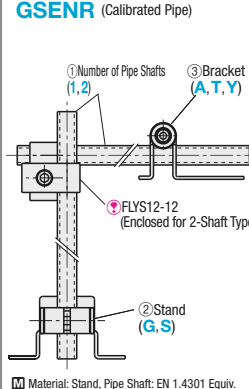


2-Shaft Pipe



RoHS

SENRR GSENR (Calibrated Pipe)



① Number of Pipe Shafts (1, 2) ③ Bracket (A, T, Y)

② Stand (G, S)

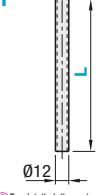
Material: Stand, Pipe Shaft: EN 1.4301 Equiv.

When 2-shaft configuration is selected, FLYS12-12 (next page) is included.

For detailed dimensions of each product, refer to the drawing on the next page.

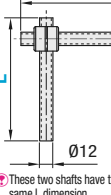
① Number of Pipe Shafts

1



For detailed dimensions, refer to the next page SENRR

2

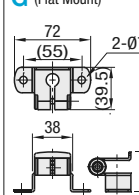


These two shafts have the same L dimension.

For detailed dimensions, refer to the next page SENRR

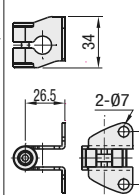
② Stand

G (Flat Mount)



For detailed dimensions, refer to the next page SENRRG

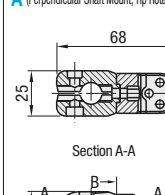
S (Side Mount)



For detailed dimensions, refer to the next page SENRS

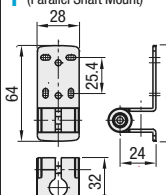
③ Bracket

A (Perpendicular Shaft Mount, Tip Rotation)



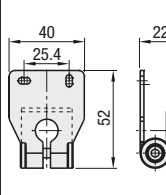
Section A-A

T (Parallel Shaft Mount)



For detailed dimensions, refer to the next page SENRT

Y (Perpendicular Shaft Mount)



Can be fixed at desired location in 11.25° increment.

Details of Hatched Area (B-B)

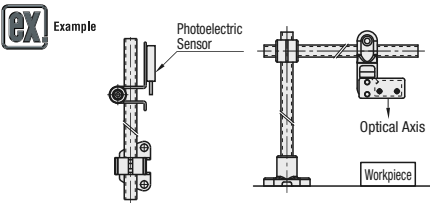
For detailed dimensions, refer to the next page SENJA

For detailed dimensions, refer to the next page SENRY


■ **Stand Sheet Metal Type** A dedicated nut, a dedicated washer and an M5 hex socket head cap screw are included with Stand and Bracket set.

Part Number		L Selection	Stand	Bracket	Unit Price									
Type	Number of Pipe Shafts				Stand G (Flat Mount)					Stand S (Side Mount)				
					L100	L150	L200	L250	L300	L100	L150	L200	L250	L300
SENRR	1	100 150 200 250 300	G (Flat Mount)	T (Parallel Shaft Mount)										
GSENR	2			Y (Perpendicular Shaft Mount)										

Ordering Example	Part Number	L	Stand	Bracket
	Type	Number of Shafts		
	GSENJ	2	100	S - A
	SENRR	1	150	G - Y

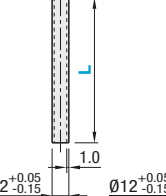


■ Pipe for Mounting Sensor
Pipe for Mounting Sensor with Scale



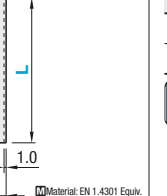
RoHS

SENPP (Calibrated)



For detailed dimensions, refer to the next page SENPP

GSENP (Calibrated)



For detailed dimensions, refer to the next page GSENP

Part Number

L Selection

Unit Price


L100	L150	L200	L250	L300

Ordering Example

Part Number - L

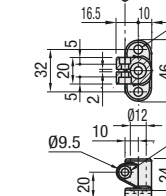
SENPP - 300

■ Plastic Stands - Flat Mount / Side Mount



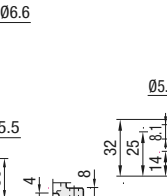
RoHS

SENJG (Flat Mount)



For detailed dimensions, refer to the next page SENJG

SENJS (Side Mount)



For detailed dimensions, refer to the next page SENJS

Material: Polyamide


Accessory: M5 Nut 1 pc. Bolt (Trivalent Chromate) SENJG: M5-15 1 pc. SENJS: M5-12 1 pc.

Part Number	Unit Price	Volume Discount Rate
1 ~ 4 pcs.		
5 ~ 9 pcs.		
10 ~ 50 pcs.		

For orders larger than indicated quantity, please check with WOS.

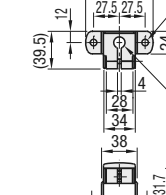
Ordering Example	Part Number
	SENJG

■ Sheet Metal Stands - Flat Mount / Side Mount



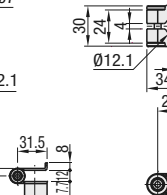
RoHS

SENRRG (Flat Mount)



For detailed dimensions, refer to the next page SENRRG

SENRS (Side Mount)



For detailed dimensions, refer to the next page SENRS

Material: EN 1.4301 Equiv.


Accessory: Dedicated Washer 1 pc. Dedicated Nut 1 pc. Screw (Trivalent Chromate) SENRRG: M5-30 1 pc. SENRS: M5-25 1 pc.

Part Number	Unit Price	Volume Discount Rate
1 ~ 4 pcs.		
5 ~ 9 pcs.		
10 ~ 50 pcs.		

For orders larger than indicated quantity, please check with WOS.

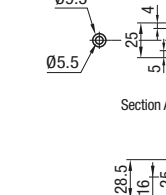
Ordering Example	Part Number
	SENRRG

■ Plastic Brackets - Perpendicular Shaft Mount / Tip Rotation



RoHS

SENJA



For detailed dimensions, refer to the next page SENJA

Material: Polyamide


Accessory: M5 Nut 2 pcs. Dedicated Washer 1 pc. Screw (Trivalent Chromate) M5-20 1 pc. M5-15 1 pc.

Part Number	Unit Price	Volume Discount Rate
1 ~ 4 pcs.		
5 ~ 9 pcs.		
10 ~ 50 pcs.		

For orders larger than indicated quantity, please check with WOS.

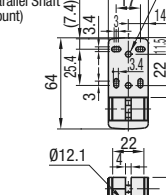
Ordering Example	Part Number
	SENJA

■ Sheet Metal Brackets - Parallel Shaft Mount / Perpendicular Shaft Mount



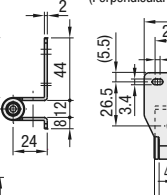
RoHS

SENRT (Parallel Shaft Mount)



For detailed dimensions, refer to the next page SENRT

SENRY (Perpendicular Shaft Mount)



For detailed dimensions, refer to the next page SENRY

Material: EN 1.4301 Equiv.


Accessory: Dedicated Nut 1 pc. Screw (Trivalent Chromate) M5-23 1 pc. Dedicated Washer 1 pc.

Part Number	Unit Price	Volume Discount Rate
1 ~ 4 pcs.		
5 ~ 9 pcs.		
10 ~ 50 pcs.		

For orders larger than indicated quantity, please check with WOS.

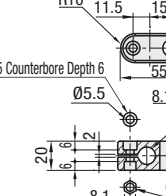
Ordering Example	Part Number
	SENRT

■ Plastic Strut Clamps



RoHS

SENJK



For detailed dimensions, refer to the next page SENJK

Material: Polyamide

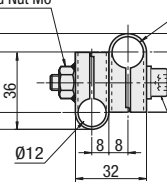
Accessory: M5 Nut 2 pcs. Screw (Trivalent Chromate) M5-12 2 pcs.

■ Flexible Clamps



RoHS

FLYS12-12



For detailed dimensions, refer to the next page FLYS12-12

Material: EN 1.4301 Equiv.

Part Number	Unit Price	Volume Discount Rate
1 ~ 9 pc(s).		
10 ~ 50 pcs.		

Ordering Example	Part Number
	SENJK

For orders larger than indicated quantity, please check with WOS.

Part Number	Unit Price	Volume Discount Rate
1 ~ 9 pc(s).		
10 ~ 50 pcs.		

Ordering Example	Part Number
	FLYS12-12


For the other materials and sizes, refer to P2186.

Clamps for Photoelectric Sensor Mounting

Bases for Sensor Mounting / Holder Pipe

U-Shaped

■Features: Can be mounted right after the purchase since the mounting pitch is applicable to common Photoelectric Sensors.



Type	Material	Surface Treatment	Accessory
Through Hole			
KSTK	KSYK	EN 1.0038 Equiv.	Black Oxide
KSTM	KSYM	Electroless Nickel Plating	Hex Socket Head Cap Screw (M4 or M5 x 1 pc.)
KSTW	KSYW	Clear Anodize	Clear Anodize
KSTB	KSYB	Black Anodize	Through Hole: M2.6x2 pcs.
KSTS	KSYS	EN 1.4301 Equiv.	Through Hole: M3x2 pcs.

Through Hole

Tapped Hole

[Example of Photoelectric Sensor Dimensions]
(Representative Sensor Shapes for each Company)

Manufacturer	Representative Shape	①	②	③	④
MISUMI	MZ-T	11	31	20	3
Omron	E3Z-T61	10.8	31	20	3
Keyence	PZ-M51	10.8	34.8	18.6	2.6
Sunx	CX-411	11.2	31	20	3

Through Hole														
Part Number			A	B	H	P	W	M	d	Unit Price				
Type	DH7									KSTK	KSTM	KSTW	KSTB	KSTS
KSTK KSTM KSTW KSTB KSTS	10	+0.015 0	22	13	8	7.8	1.5	M4	4.5					
	12	+0.018 0	25	16	9.5	8.8		M5	5.5					
	15	+0.018 0	28	19	11	10.3								

⚠ Tolerance DH7 is the tolerance before slitting.
⚠ Recommended fit tolerances of mating shafts are g6, f8. For tightening, a long wrench is recommended.

Tapped Hole														
Part Number			A	B	H	P	W	M	d	Unit Price				
Type	DH7									KSYK	KSYM	KSYW	KSYB	KSYS
KSYK KSYM KSYW KSYB KSYS	10	+0.015 0	22	13	8	7.8	1.5	M4	4.5					
	12	+0.018 0	25	16	9.5	8.8		M5	5.5					
	15	+0.018 0	28	19	11	10.3								


⚠ Tolerance DH7 is the tolerance before slitting.
⚠ Recommended fit tolerances of mating shafts are g6, f8. For tightening, a long wrench is recommended.

Ordering Example
Part Number
KSYM10

Manufacturer	Detection Method	Part Number
MISUMI	Through Beam Type	MZ-T/MZL-T
	Reflective Type (Retroreflective / Wide Angle)	MZ-R/MZ-D/MZ-□□/ML-R/MLZ-D
Omron	Through Beam Type	E3Z-T6□(K/A/T8□(K)
	Reflective Type (Retroreflective / Diffused)	E3Z-R6□/R8□/D6□/D8□
Keyence	Through Beam Type	PZ-M5□(P)
	Reflective Type (Retroreflective / Multi)	PZ-M6□(P)/M1□(P)/M3□(P)/V1□(P)/V3□(P)
Sunx	Through Beam Type	CX-41□(P)
	Reflective Type (Mirror / Diffused)	CX-48□(P)/49□(P)/42□(P)

* Some external dimensions may differ from the above photoelectric sensor, however the mounting pitch is the same.
⚠ Photoelectric Sensors P2051-2056

■Features: Posts for devices can be mounted on the plate after mounted sensors or other objects.



Type	Material	Surface Treatment	Accessory
KBSW	Aluminum	Clear Anodize	Hex Socket Head Cap Screw 1 pc.
KBSB		Black Anodize	

Through Hole

Tapped Hole

[Example of Photoelectric Sensor Dimensions]
(Representative Sensor Shapes for each Company)

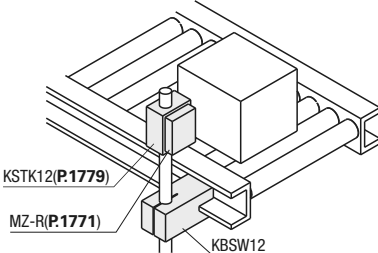
Manufacturer	Representative Shape	①	②	③	④
MISUMI	MZ-T	11	31	20	3
Omron	E3Z-T61	10.8	31	20	3
Keyence	PZ-M51	10.8	34.8	18.6	2.6
Sunx	CX-411	11.2	31	20	3

Part Number		Unit Price							
Type	DH7	E	A	B	C	F	S	W	
KBSW KBSB	8	+0.015 0	15	45	20	15	8	7	2
	10	+0.018 0	20	50		20	7		
	12	+0.018 0	15	45		22	7		
	15	+0.018 0	20	50		25	6		

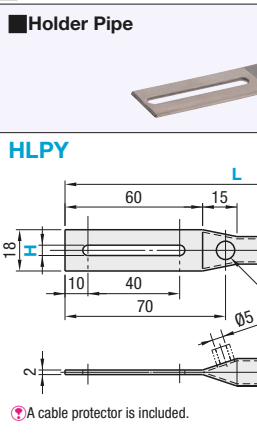
⚠ Tolerance DH7 is the tolerance before slitting.
⚠ Recommended fit tolerances of mating shafts are g6, f8. For tightening, a long wrench is recommended.

Ordering Example
Part Number
KBSW12 - 20

Example



■Features: Can be used as the holder for Photoelectric Sensors or Proximity Sensors



Type	H	L	Unit Price
HLPY	4.5 5.5	150 250	

Holder Pipe

HLPY

Material:
EN 1.0038 Equiv.
Surface Treatment:
Electroless Nickel Plating

⚠ A cable protector is included.

Part Number		Unit Price	
Type	H	L	
HLPY	4.5 5.5	150 250	

Ordering Example
Part Number
HLPY4.5 - 150

Example
HLPY

