

# 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
<b>Through Hole</b>			
<b>Tapped Hole</b>			
<b>KSTK</b>	<b>KSYK</b>	EN 1.0038 Equiv.	Black Oxide
<b>KSTM</b>	<b>KSYM</b>	Electroless Nickel Plating	Hex Socket Head Cap Screw (M4 or M5 x 1 pc.)
<b>KSTW</b>	<b>KSYW</b>	EN AW-6063 Equiv.	Clear Anodize
<b>KSTB</b>	<b>KSYB</b>	6063 Equiv.	Black Anodize
<b>KSTS</b>	<b>KSYS</b>	EN 1.4301 Equiv.	-

**Through Hole**

**Tapped Hole**

6.3 / (6.3 / 1.5)

**[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

RoHS10

### Through Hole

Part Number		Unit Price											
Type	DH7	A	B	H	P	W	M	d	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		Unit Price											
Type	DH7	A	B	H	P	W	M	d	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**

### List of Mountable Sensors

Manufacturer	Detection Method	Part Number
MISUMI	Through Beam Type	MZ-T/MZL-T
	Reflective Type (Retroreflective / Diffuse / Wide Angle)	MZ-R/MZ-D/MZ-□□/ MZL-R/MZL-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
<b>KBSW</b>	Aluminum	Clear Anodize	Hex Socket Head Cap Screw 1 pc.
<b>KBSB</b>		Black Anodize	Cap Screw 1 pc.

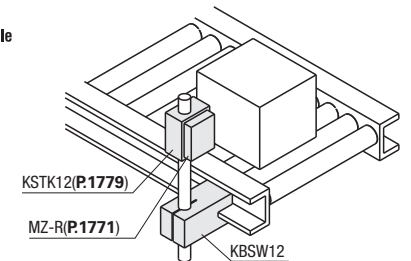
RoHS10

Part Number		Unit Price											
Type	DH7	E	A	B	C	F	S	W	M (Coarse)	d	MA (Coarse)	Unit Price	
KBSW KBSB	8	+0.015 0	15	45	20	15	8	7	2	M6	6.5	M4	
			20	50									
			20	50									
	12	+0.018 0	15	45	25	22	7	10	M8	8.5	M6		
			20	50									
			20	50									

⚠ 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 - E**

Example



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

### Holder Pipe

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**HLPY**

⚠ A cable protector is included.

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

Part Number		Unit Price	
Type	H	L	
		L150	L250
HLPY	4.5	150	250
	5.5		

Ordering Example: Part Number **HLPY4.5 - L**

Example

