

Holders for Proximity Sensors / Sensor Flags / Sensor Flag Brackets

Proximity Sensor Flags

Set Screw / Slit

Features: Can be used in combination with Rails for Switches and Sensors - Aluminum (No. 4) on P.2077~P.2083

Holders for Proximity Sensors

SBRK

Material: EN AW-6063 Equiv.
Surface Treatment: Clear Anodize

Part Number	Type	No.	M	MxP (Fine)	Unit Price	Volume Discount Rate
SBRK		4	8	8x1.0		10~50
			12	12x1.0		

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

Ordering Example

Part Number - **M**
SBRK4 - **8**

Sensor Flags

Round Pole
DGSF
KDGSF

Fully Threaded
DGM
KDGM

Fully Threaded Compact Flange
DGMS
KDGMS

Material: EN 1.1191 Equiv.
Surface Treatment: Black Oxide

Part Number		L	D	W	DGSF Unit Price				KDGSF Unit Price			
Type	M (Coarse)	5mm Increment			L50~100	L105~200	L205~400	L405~600	L50~100	L105~200	L205~400	L405~600
Round Pole DGSF KDGSF	10	50~500	10	8								
	12		12	10								
	16	50~600	16	12								

Part Number		L 5mm Increment	DGM Unit Price			KDGM Unit Price		
Type	M (Coarse)		L50~100	L105~200	L205~400	L50~100	L105~200	L205~400
Fully Threaded DGM KDGM	10	50~400						
	12							
	16							

Part Number		L 5mm Increment	S 1mm Increment	W	DGMS Unit Price			KDGMS Unit Price		
Type	M (Coarse)				L50~100	L105~200	L205~400	L50~100	L105~200	L205~400
Fully Threaded Compact Flange	10	50~400	0≤S≤L-10	8						
	DGMS KDGMS			12						
	16									

Ordering Example

Part Number - **L** - **S**
DGSF10 - **150**
DGMS16 - **300** - **100**

Sensor Flag Brackets

DSB

Material: EN 1.0038 Equiv.
Surface Treatment: Black Oxide

Part Number	Type	M (Coarse)	Unit Price	Volume Discount Rate
DSB		10	1 ~ 9 pc(s).	10~50
		12		
		16		

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

Ordering Example

Part Number
DSB12

Example

Limit Switch Flags P.2093, 2094

Set Screw

Disc Type with Through Hole
DSS

Disc Type with Tapped Hole
DMG (With Brass Ball)

Stepped Type with Tapped Hole and Set Screw
DMGFS (With Brass Ball)

Material: EN 1.1191 Equiv.
Surface Treatment: Black Oxide
Accessory: Set Screw 2 pcs.
 Set Screw 2 pcs., Brass Ball 2 pcs.

With Through Hole and Set Screw

Part Number	Type	D	d	Unit Price	Volume Discount Rate
				1 ~ 9 pc(s).	10~50
DSS		25	8		
		30	10		
		40	12	16	
		50			

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

Ordering Example

Part Number - **d, M**
DSS 25 - 8

With Tapped Hole and Set Screw

Part Number	Type	D	M (Coarse)	Unit Price	Volume Discount Rate
				1 ~ 9 pc(s).	10~50
DMG		25	8	10	
		30	8	10	
		40	12	16	
		50			
DMGFS		40	12	16	
		50	12	16	

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

With Slit

Disc Type with Through Hole and Slit
DSG

Disc Type with Tapped Hole and Slit
DMS

Disc Type with Tapped Hole and Slit, Deep C-bore
DMSL

Material: EN 1.1191 Equiv.
Surface Treatment: Black Oxide
Accessory: Hex Socket Head Cap Screw 1 pc.

Disc Type with Through Hole and Slit

Part Number	Type	D	d	M1 (Coarse)	A	X	Y	Unit Price	Volume Discount Rate
								1 ~ 9 pc(s).	10~50
DSG		30	10	M5	9.0	6	6		
		40	12	M5	14.0	7	8		
		50	16	M6	16.5	10	10		

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

Disc Type with a Tapped Hole and Slit

Part Number	Type	D	M (Coarse)	M1 (Coarse)	A	X	Y	Unit Price	Volume Discount Rate
								1 ~ 9 pc(s).	10~50
DMS		30	10	M5	9.0	6	6		
		40	12	M5	14.0	7	8		
		50	16	M6	16.5	10	10		
DMSL		50	12	M6	15.5	10	6		

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

Ordering Example

Part Number - **d, M**
DSG 40 - 16
DMS 30 - 10

Example

Photo Sensor Cams

Slit (Solid, Slit, Configurable Slit)

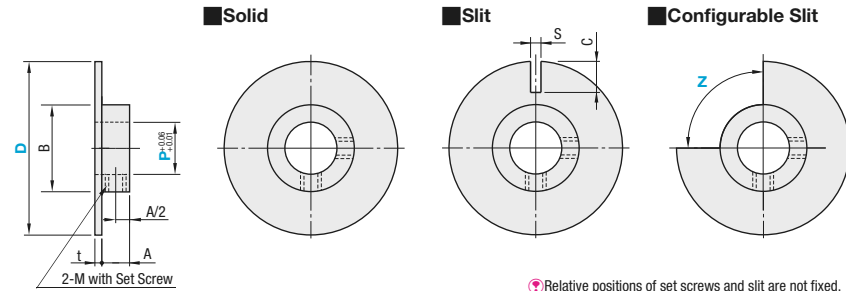
Combination use with Photo Sensor allows rotational speed detection.

Slit
(Solid, Slit, Configurable Slit)



RoHS

Type			Material	Surface Treatment	Accessory
Solid	Slit	Configurable Slit			
HPSCN	HPSC	HPSCZ	EN AW-6063 Equiv.	Black Anodize	Set Screw 2 pcs.
HPSCWN	HPSCW	HPSCWZ		Clear Anodize	



Relative positions of set screws and slit are not fixed.

Part Number		P Selection			1° Z Increment	M	A	B	C	S	t	HPSCN, HPSCWN		HPSC, HPSCW		HPSCZ, HPSCWZ	
Type	D											Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
												1 ~ 9 pc(s).	10~50	1 ~ 9 pc(s).	10~50	1 ~ 9 pc(s).	10~50
(Solid) HPSCN HPSCWN	28	5 6 8			10~350 (Available for Configurable Slit Type only)	M3	5.5	14	6.5	1.5							
	32	3 4 5 6 6.35 8															
40	3 4 5 6 6.35 8			M4			20		2								
	9.5 10 12																
(Slit) HPSC HPSCW	45	5 6 8				M3		25	8.5	1.5							
		10 12 15				M4											
(Configurable Slit) HPSCZ HPSCWZ	50	4 5 6 6.35 8				M3	7.5			2.5							
		9.5 10 12 15															
	60	6 6.35 8				M4		30									
9.5 10 12 15																	

Ordering Example
Part Number - P - Z
HPSCZ50 - 9.5 - 180

Alterations
Part Number - P(PC) - (SC, PC, NC)
HPSC40 - PC11 - SC1.8

Example

Alterations	Slit Width	Shaft Bore Dia.	Number of Slits (Equal Pitch)
	SC	PC	NC
Spec.	SC=0.1mm Increment 1.0≤SC≤3.0 Applicable to HPSC and HPSCW only.	D PC Selection 32 7 40 7 9 11 50 7 9 11 13 14	Specify the number of slits following NC symbol. Ex) When the number of slits is 3 >> NC3 2≤NC≤10 The number of slits 7 is not selectable. Applicable to HPSC and HPSCW only. Not applicable to D28.

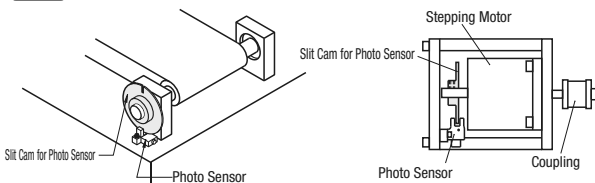


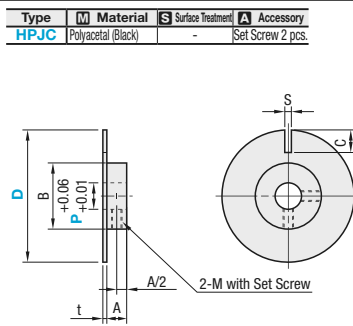
Photo Sensor Cams

Plastic, Clamping, 180 deg., Angle Adjustable

Plastic



RoHS



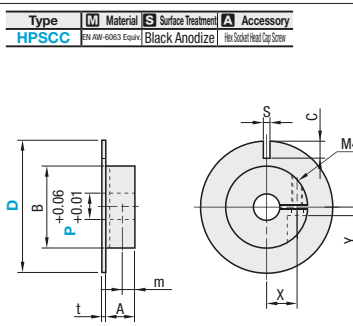
Part Number		P Selection		M	A	B	C	S	t	Unit Price	Volume Discount Rate	
Type	D									1 ~ 9 pc(s).	10~50	
HPJC	32	5	6	8	M3	5.5	14	8.5	1.5	1.5		
	40	5	6	8			20		2			
	50	6	8		M3	7.5	25	2.5				
		10	12	15						M4		

Ordering Example
Part Number - P
HPJC40 - 6

Clamping



RoHS



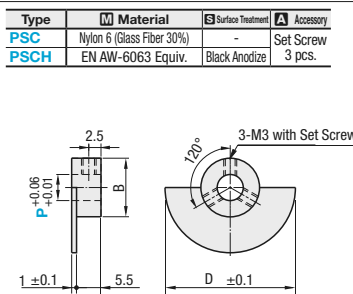
Part Number		P Selection	A	m	B	C	S	X	Y	t	Unit Price	Volume Discount Rate
Type	D										1 ~ 9 pc(s).	10~50
HPSCC	50	8 10 12 15	11	4.75	31	6.5	2.5	11.5	4.8	1.5		

Ordering Example
Part Number - P
HPSCC50 - 15

180 deg.



RoHS



Part Number		P	B	D	PSC		PSCH	
Type	P				Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
PSC PSCH	6	13	28		1 ~ 9 pc(s).	10~50	1 ~ 9 pc(s).	10~50
	8	15	30					
	10	17	32					
	12	19	34					

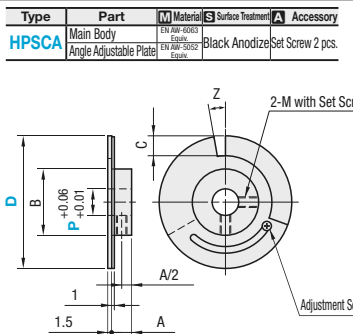
Ordering Example
Part Number
PSC10

Features: Slit angle can be adjusted after installation.

Angle Adjustable



RoHS



Part Number		P Selection		Z Adjustment Range	M	A	B	C	Effective Slit Depth*	Unit Price	Volume Discount Rate
Type	D									1 ~ 9 pc(s).	10~50
HPSCA	40	5	6 8	10~120	M3	5.5	20	6	5.5mm		
		10	12		M4						
	50	6	8		M3	7.5	25	8.5	6.8mm		
		10	12 15		M4						

* Effective slit depth is shallower than C because of the adjustment screw (and slot).

Ordering Example
Part Number - P
HPSCA40 - 12

Limit Switch Flags

Set Screw Type

Proximity Sensor Flags P2070

Set Screw Type

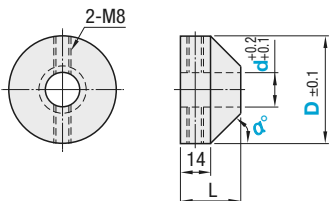


RoHS

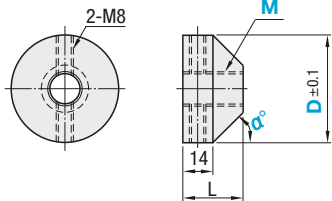
Part Numbers in are not RoHS compliant.

Shape	Shaft Bore	Type	Material	Surface Treatment	Accessory
One End Cone Type	Through Hole	DGSM	EN 1.1191 Equiv.	Black Oxide	Set Screw 2 pcs.
Both Ends Cone Type	Through Hole	DGWM	EN 1.1191 Equiv.	Black Oxide	Set Screw 2 pcs. / Brass Ball 2 pcs.
One End Cone Type	Tapped Hole	DMSM	EN 1.1191 Equiv.	Black Oxide	Set Screw 2 pcs. / Brass Ball 2 pcs.
Both Ends Cone Type	Tapped Hole	DMWM	EN 1.1191 Equiv.	Black Oxide	Set Screw 2 pcs. / Brass Ball 2 pcs.

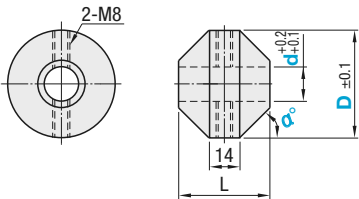
DGSM (One End Cone Type with Through Hole)



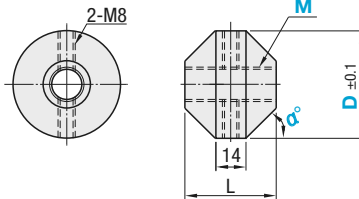
DMSM (One End Cone Type with Tapped Hole)



DGWM (Both Ends Cone Type with Through Hole)



DMWM (Both Ends Cone Type with Tapped Hole)



6.3

One End Cone / Both Ends Cone Type with Through Hole and Set Screw

Part Number		D	d	alpha	L	Unit Price	Volume Discount Rate
Type						1 ~ 9 pc(s).	10~50
DGSM	30	10	45	22			
	40	12	16	30	45	24	
	50	12	16	30	45	28	
DGWM	30	10	45	30			
	40	12	16	30	45	34	
	50	12	16	30	45	42	

One End Cone / Both Ends Cone Type with Tapped Hole and Set Screw

Part Number		D	M (Coarse)	alpha	L	Unit Price	Volume Discount Rate
Type						1 ~ 9 pc(s).	10~50
DMSM	30	10	45	22			
	40	12	16	30	45	24	
	50	12	16	30	45	28	
DMWM	30	10	45	30			
	40	12	16	30	45	34	
	50	12	16	30	45	42	

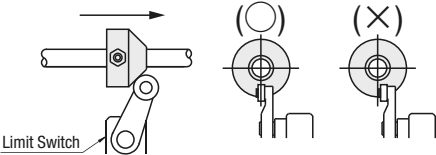


Ordering Example

Part Number
Type D d, M alpha
DGSM 30 - 10 - 45



Example



Limit Switch Flags

With Slit

Proximity Sensor Flags P2070

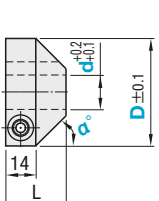
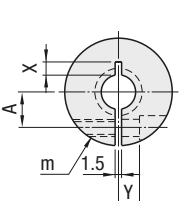
With Slit



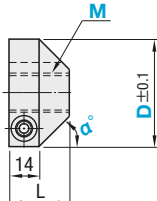
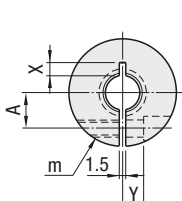
RoHS

Shape	Shaft Bore	Type	Material	Surface Treatment	Accessory
One End Cone Type	Through Hole	DGSA	EN 1.1191 Equiv.	Black Oxide	Hex Socket Head Cap Screw 1 pc.
Both Ends Cone Type	Through Hole	DGW	EN 1.1191 Equiv.	Black Oxide	
One End Cone Type	Tapped Hole	DMSA	EN 1.1191 Equiv.	Black Oxide	
Both Ends Cone Type	Tapped Hole	DMW	EN 1.1191 Equiv.	Black Oxide	

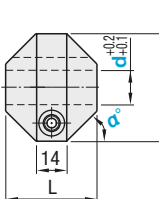
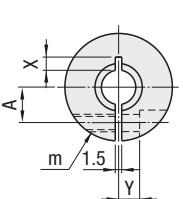
DGSA (One End Cone Type with Through Hole)



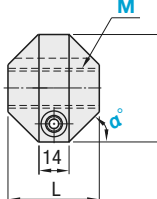
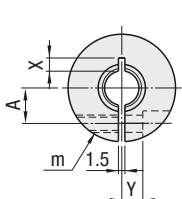
DMSA (One End Cone Type with Tapped Hole)



DGW (Both Ends Cone Type with Through Hole)



DMW (Both Ends Cone Type with Tapped Hole)



6.3

One End Cone / Both Ends Cone Type with Through Hole and Slit

Part Number		D	d	alpha	L	M (Coarse)	A	X	Y	Unit Price	Volume Discount Rate
Type										1 ~ 9 pc(s).	10~50
DGSA	30	10	45	22	M5	9.0	6	6			
	40	12	16	30	45	M6	14.0	7	8		
	50	12	16	30	45	M8	16.5	10	10		
DGW	30	10	45	30	M5	9.0	6	6			
	40	12	16	30	45	M6	14.0	7	8		
	50	12	16	30	45	M8	16.5	10	10		

One End Cone / Both Ends Cone Type with Tapped Hole and Slit

Part Number		D	M (Coarse)	alpha	L	M (Coarse)	A	X	Y	Unit Price	Volume Discount Rate
Type										1 ~ 9 pc(s).	10~50
DMSA	30	10	45	22	M5	9.0	6	6			
	40	12	16	30	45	M6	14.0	7	8		
	50	12	16	30	45	M8	16.5	10	10		
DMW	30	10	45	30	M5	9.0	6	6			
	40	12	16	30	45	M6	14.0	7	8		
	50	12	16	30	45	M8	16.5	10	10		



Ordering Example

Part Number
Type D d, M alpha
DGSA 40 - 12 - 45



Example

