


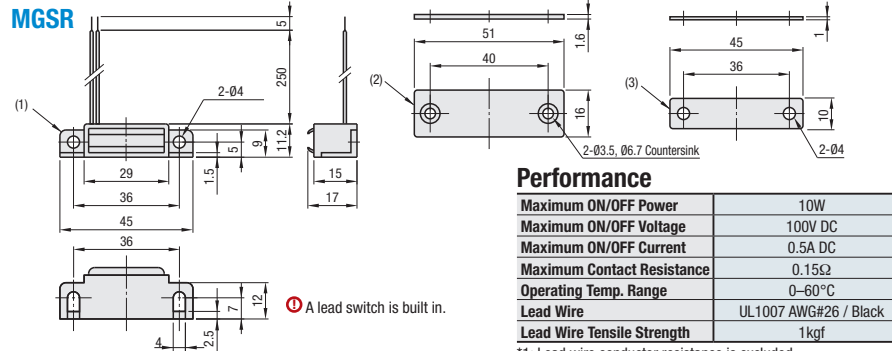
# Magnetic Catches / Ball Catches

Wire Leads Type / with Switch

**Wire Leads Type**



**MGSR**



**Performance**

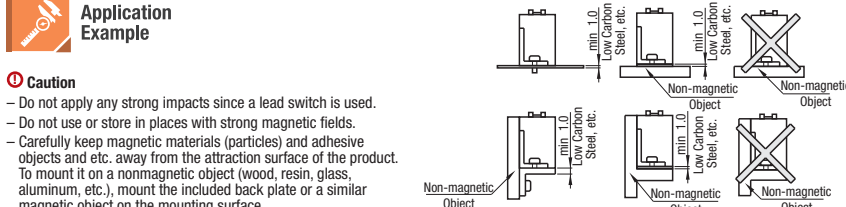
Maximum ON/OFF Power	10W
Maximum ON/OFF Voltage	100V DC
Maximum ON/OFF Current	0.5A DC
Maximum Contact Resistance	0.15Ω
Operating Temp. Range	0-60°C
Lead Wire	UL1007 AWG#26 / Black
Lead Wire Tensile Strength	1kgf

\*1: Lead wire conductor resistance is excluded.

ⓘ A lead switch is built in.

Part Number	Operation	Retention Force (kgf)	Mass (g)
<b>MGSR</b>	1 OFF when attracted	3	28
	2 ON when attracted		

**Application Example**



**Caution**


- Do not apply any strong impacts since a lead switch is used.
- Do not use or store in places with strong magnetic fields.
- Carefully keep magnetic materials (particles) and adhesive objects etc. away from the attraction surface of the product.

To mount it on a nonmagnetic object (wood, resin, glass, aluminum, etc.), mount the included back plate or a similar magnetic object on the mounting surface.

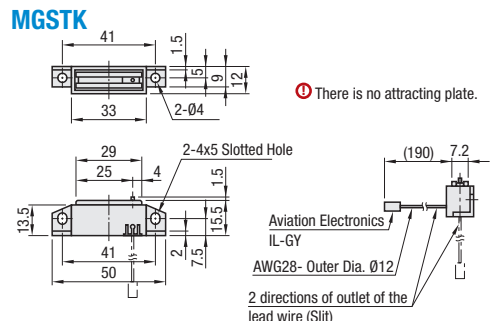
**Part Number Example**

Part Number: **MGSR2**

**Magnetic Catches with Switch**



**MGSTK**



ⓘ There is no attracting plate.

**Performance**

Part Name	Material	Surface Treatment
Main Body	Polypropylene	—
Magnet	Ferrite	—

**Circuit Type** 1 Circuit, 1 Contact, Normally Closed

**Rating** 30VDC 10mA (Resistive Load)

**Maximum ON/OFF Voltage** 500 VAC / min.

**Maximum Contact Connection Resistance** 100MΩ or more (500VDC)

**Operating Temp. Range** -10- +70°C

**Lead Wire** For IL-G of Japan Aviation Electronics

**Lead Wire Tensile Strength** 1kgf


Normally Closed: OFF when touching door, ON when not-touching door.

Part Number	Retention Force (kgf)	Case Color	Mass (g)
<b>MGSTK</b>	3	Black	13

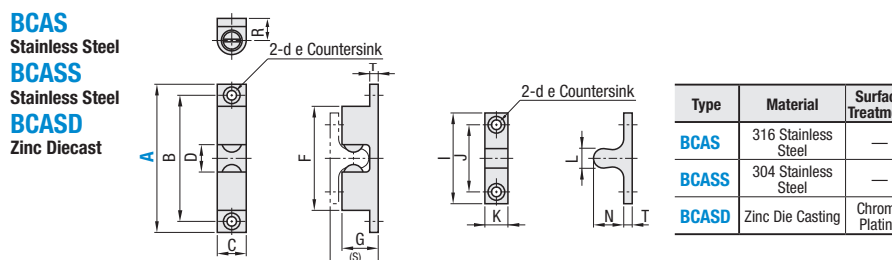
**Part Number Example**

Part Number: **MGSTK**

**Ball Catches**



**BCAS** Stainless Steel  
**BCASS** Stainless Steel  
**BCASD** Zinc Diecast



**Performance**

Type	Material	Surface Treatment
<b>BCAS</b>	316 Stainless Steel	—
<b>BCASS</b>	304 Stainless Steel	—
<b>BCASD</b>	Zinc Die Casting	Chrome Plating

Part Number	B	C	D	d	e	F	G	T	ℓ	J	K	N	L	R	(S)	Latching Force N (kgf)	Unlatching Force N (kgf)	Mass (g)	
<b>BCAS</b>	32	25	8	4	3.2	6.2	18	9	2	18	11	8	6.5	3.2	6	11.5	17 (1.7)	8 (0.8)	12
<b>BCASS</b>	43	35	8	5.9	3.2	6.2	28.4	10	2.5	25	16	7.5	8.5	4.5	6	13.5	20 (2)	13 (1.3)	16
<b>BCASD</b>	50	40	10	7.5	4.2	8.2	31.5	12.2	2.9	30	20	9	10.3	6	7.7	15.9	23 (2.3)	18 (1.8)	28
	70	60	13	13			51	17	4	42	30	10.5	15	10	10.5	23	56 (5.7)	38 (3.9)	78


There are some variations with Latching Force and Unlatching Force. Please use the values as reference.

**Part Number Example**

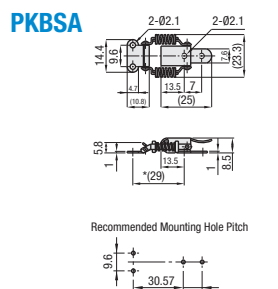
Part Number: **BCAS50**

# Snap Locks

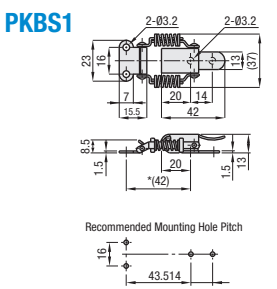
**Snap Locks**



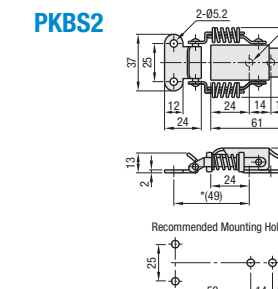
**PKBSA**



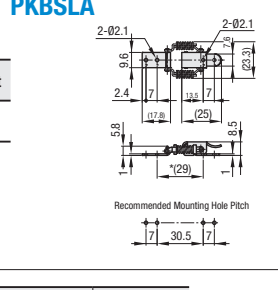
**PKBS1**



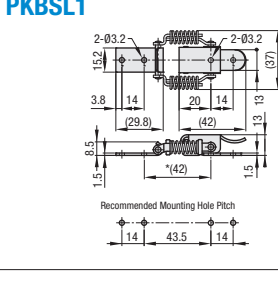
**PKBS2**



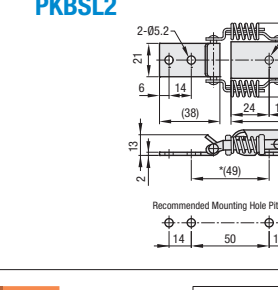
**PKBSLA**



**PKBSL1**



**PKBSL2**



**Material** 304 Stainless Steel  
**Surface Treatment** Tumble Polish

\*The dimensions are for 0 mm pull distance. Please adjust the mounting dimensions as needed for lock tightness.


Part Number	No.	*Pull Force N (kgf)	PKBS Mass (g)	PKBSL Mass (g)
<b>PKBS</b>	<b>1</b>	20 (2)	10	10
	<b>2</b>	68 (7)	36	40
	<b>2</b>	170 (17.4)	78	90

\* Pull force is the reference value for 1 mm pull distance.

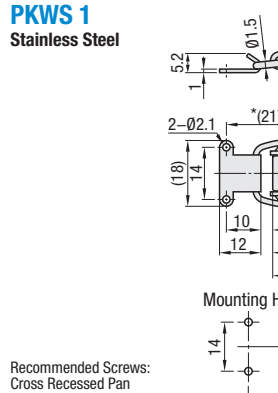
**Part Number Example**

Part Number: **PKBS1**  
**PKBSL1**

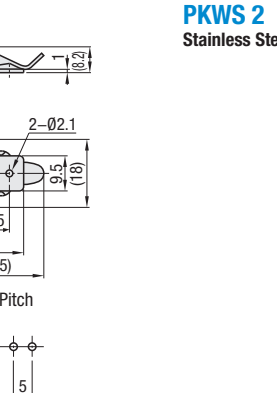
**Snap Locks**



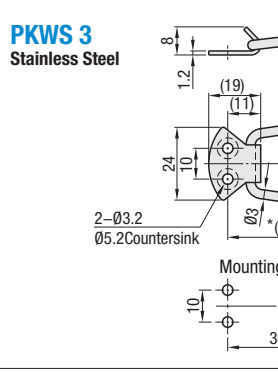
**PKWS1** Stainless Steel



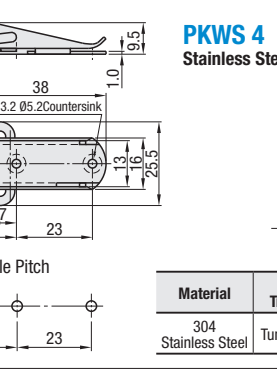
**PKWS2** Stainless Steel



**PKWS3** Stainless Steel

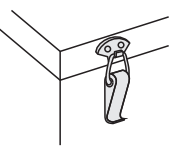


**PKWS4** Stainless Steel



**Material** 304 Stainless Steel  
**Surface Treatment** Tumble Polish

**Application Example**



\*The dimensions are for 0 mm pull distance.

Part Number	No.	*Pull Force N (kgf)	Mass (g)
<b>PKWS</b>	<b>1</b>	49 (5)	11
	<b>2</b>	78 (8)	12
	<b>3</b>	98 (10)	18
	<b>4</b>	147 (15)	37

\* Pull force is the reference value for 1 mm pull distance.

**Part Number Example**

Part Number: **PKWS1**