

Ball Lock Pins

- Spring Pin
- Push Pin

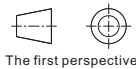
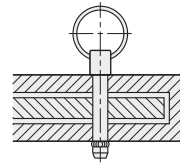
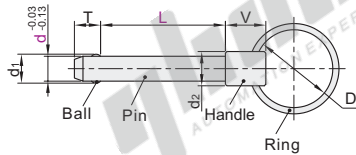
Spring Pin

Code	Type	Ball		Pin		Handle		Ring	
		Material	Hardness	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
ZAA01	Spring Pin	SUS440C	55HRC~	S45C	Electroless Nickel Plating	SUM22	Electroless Nickel Plating	SWRH	Nickel Plating

This product isn't equipped with a pin hanger.

EX

Example



The first perspective

Part Number	Code	d	L	d1	d2	D	T	V	Mating Hole Recommended Dim. (Tolerance Grade H11)	Resistance when Removed (N)	Pin Fracture Load (kN)	Weight (g)
ZAA01	5	10 15 20 25 30		5.5			6		5 ^{+0.07} ₀		5	18~25
	6	15 20 25 30 35 40 45 50			7 11		7 22		6 ^{+0.07} ₀	9	7	20~30
	8	20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100		9.5		25	8		8 ^{+0.09} ₀		13	25~58
	10	25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100		12	16		9	27	10 ^{+0.09} ₀	20	20	60~105
	12	30 35 40 45 50 55 60 65 70 75 80 85 90 95 100		14.5			10		12 ^{+0.11} ₀	30	29	70~135
	16	50 55 60 65 70 75 80 85 90 95 100		19	19		14 32		16 ^{+0.11} ₀	50	51	155~240



Please order as shown

Part Number	Code	d	L
ZAA01	5	10 15 20 25 30	
	6	15 20 25 30	

ZAA01 — d5 — L20



Discount price
Per 1~29 30~
Price 100% Additional quotation



Delivery
17

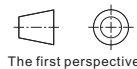
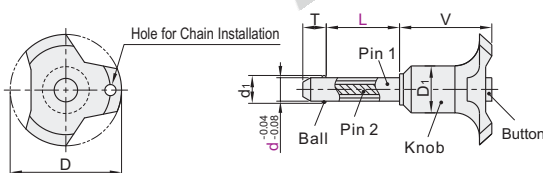
Push Pin

Code	Type	Ball		Pin 1	Pin 2	Spring	Knob	
		Material	Hardness	Material	Material	Material	Material	Color
ZAA05	Push Pin	SUS440C	55HRC~	SUS440C	SUS303	SUS631J1	Nylon	Gray/Orange

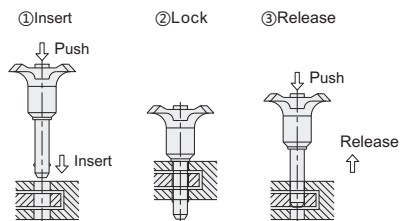
This product isn't equipped with a pin hanger.

EX

Example



The first perspective



- When the button is pushed, the ball lock is released. The pin can be inserted into a hole as the balls draw in the pin.
- When the button is released, the pin is locked as the balls extend outward from the pin.
- When the button is pushed again, the ball lock is released and the pin is pulled out.

Part Number	Code	d	L	D	d1	T	V	Mating Hole Recommended Dim. (Tolerance Grade H11)	Fracture Load (kN)	Weight (g)
ZAA05	5	10 15 20 25 30			5.5	6		5 ^{+0.07} ₀	24	30~32
	6	10 15 20 25 30 35 40 50		38	16	7 7	31.5	6 ^{+0.07} ₀	35	30~40
	8	20 25 30 35 40 50			9.5	8		8 ^{+0.09} ₀	63	35~50
	10	20 25 30 35 40 50 60			12	9		10 ^{+0.09} ₀	100	75~100
	12	40 50 60 70 80		43	23	14.5 10	36	12 ^{+0.11} ₀	144	100~135
	16	60 80 100			19	14		16 ^{+0.11} ₀	255	170~233



Please order as shown

Part Number	Code	d	L
ZAA05	5	10 15 20	
	6	10 15 20	

ZAA05 — d5 — L15



Discount price
Per 1~29 30~
Price 100% Additional quotation



Delivery
17