

# Tapered Plunging Locating Pin / Feed Fingers Economy Type

# Automatic Latches

**Features:** Tapered section holds a workpiece, which enables positioning without wobbling. **Similar Products:** Flanged Locating Pins (P1653)

**Tapered Plunging Locating Pin**

Type	Pin	Body	Spring	Oil Free Bushing
	Material	Material	Material	Material
PICP	EN 1.2379 Equiv.	EN 1.1191 Equiv.	JIS-SWP-B	Special Bronze Casting

**Load Table**

Spring	No.6	No.10
Load (N)	6.3	5.8
Spring Constant (N/mm)	1.8	1.4

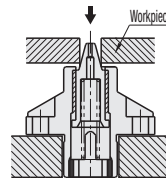
RoHS10

Part Number	Applicable Hole Dia.	D	P	B	H1	H2	W	W1	W2	L	Unit Price
Type	No.	Max. Hole Dia. dmax	Min. Hole Dia. dmin								
PICP	6	6	3	15	8.2	8.5	19	12	36	15	16
	10	10	6	19	12.2	12	24	17	40	19	20

Ordering Example  
Part Number  
PICP6

EX Example

The pin sinks and the tapered section holds a workpiece without wobbling. Changeover is not necessary when used within the applicable hole diameter, which enables high productivity and operability.



**Features:** Use of sheet metal for the main body has realized price reduction by approx. 50%, compared to the conventional products.

**Feed Fingers Economy Type**

Type	Claw	Main Body	Pin	Spring
ATBES	EN 1.4301 (CP) Equiv.	EN 1.4301 (CP) Equiv.	EN 1.4301 Equiv.	EN 1.4301 (WPB) Equiv.
ATBEM	MC Nylon			

**ATBES10-L**      **ATBEM10-R**

RoHS10

Part Number	Claw Orientation	Load (Calculated Value) N	Mass	Unit Price	Volume Discount Rate
Type	No.	Stroke 3mm	Stroke 5mm	(g)	1 ~ 3 pc(s). 4 ~ 9 pcs. 10 ~ 30 pcs. 31 pcs. or more
ATBES	L (Left)	8.3	8.9	45	
	R (Right)	8.3	8.9	45	
ATBEM	L (Left)	8.1	8.7	35	
	R (Right)	8.1	8.7	35	

Ordering Example  
Part Number - Claw Orientation  
ATBES10 - L  
ATBEM10 - R

For orders larger than indicated quantity, please request a quotation.

**Features:** Thin-plated workpieces such as printed circuit boards and metal plates can be easily located.

Type	Claw	Base	Spring
	Material	Material	Material
ATLAM	EN 1.1191 Equiv.	EN 1.1191 Equiv.	EN 1.4301 (WPB) Equiv.
ATLAS	EN 1.4301 Equiv.		
ATLAN	MC Nylon		

RoHS10

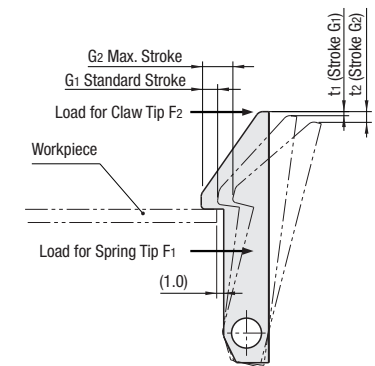
**Other Components**

Type	Shaft	Set Screw	Nut
	Material	Material	Material
ATLAM	EN 1.3505 Equiv.	EN 1.7220 Equiv.	JIS-SWCH, Trivalent Chromate
ATLAS	EN 1.4301 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.
ATLAN			EN 1.4301 Equiv.

Part Number	No.	H	H1	T	W	W1	W2	W3	d	L	L1	D	D1	D2	A	B	P	P1	P2	M
ATLAM ATLAS ATLAN	25	25	15	2	20	7	3	14	3.5	8	5	14	2.5	3	5	6	15	3.5	11	M3
	35	35	22	3	24	8	4	16	4.5	10	6	16	3	3.5	6	7	18	3.5	13.5	M3
	45	45	30	4	26	10	4	18	4.5	12	7	20	4	4	8	8	22	4.5	17	M4

Ordering Example  
Part Number  
ATLAM25  
ATLAS45

## Claws Stroke Position Variations



No.	G1	G2	t1	t2
25	1	3.2	0.3	1.4
35	2	4.2	0.5	1.4
45	3	6.3	0.5	1.6

\* 1.0mm clearance is assumed.

## Spring Load Table (Calculated Value)

No.	Spring Tip F1 (N)			Claw Tip F2 (N)		
	Initial Load	Stroke G1	Stroke G2	Initial Load	Stroke G1	Stroke G2
25	1.2	1.3	1.7	0.4	0.4	0.5
35	2.0	2.4	2.9	0.5	0.6	0.8
45	3.9	5.1	6.5	1.0	1.3	1.7

EX Example  
Clicks and latches the workpiece easily at the required position just by lowering the workpiece from above.

