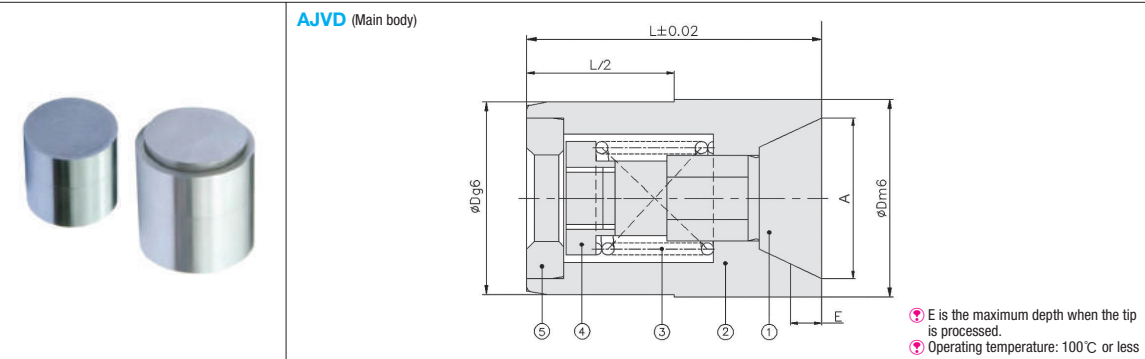


# AIR JET VALVE

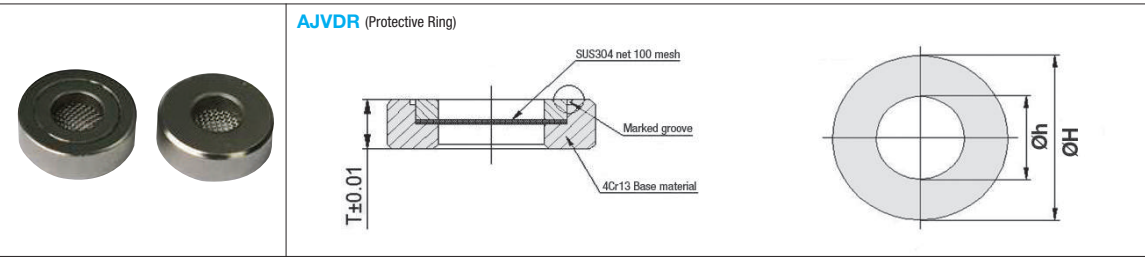
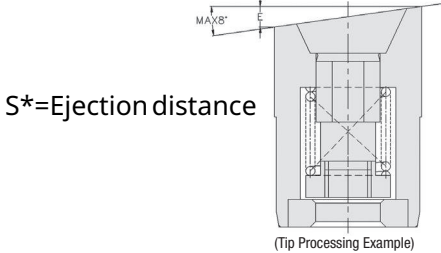
—FOR HIGH CYCLE—



Part No.	D	L	A	S*	E (Maximum Processable size)	Ejection force {kgf}	Operating pressure (example)	Flow rate value at 0.8MPa
AJVD	6	12	5	1.5	0.8	0.4MPa	0.6~0.8MPa	60L/min
	8	12	6.5		1.1			65L/min
	10	12	8		1.4			65L/min
	12	12	10	2	1.6			70L/min
	16	20	13		2.2			140L/min
	20	20	17		2.8			200L/min

- Features**
- With air pressure operates the piston rod, the vacuum condition inside the cavity is eliminated. It is ideal for thin-walled and box-shaped molding products since it can release the workpiece uniformly.
  - Supporting high cycle molding and high injection pressure ( $\leq 120\text{MPa}$ ) are made possible with an ability to perfectly fit cylinder tube and a D-cut structure which returns the piston rod to the correct position.
  - A unique internal structure keeps the air flow maintained and air blowing state.
  - The tip can be processed within **E** dimension depth range (**max. 8°**).

No.	Name	M Material	H Hardness (HRC)
①	Piston rod	SUS420J2	37~42
②	Cylinder tube	SUS420J2	50~55
③	Spring	SUS304	—
④	Stopper	SUS420J2	Base material
⑤	Cap	SUS420J2	Base material



Part No.	Type	No.	H	T	h
AJVDR		6	5.8	3	2
		8	7.8		3
		10	9.8		4
		12	11.8	4	5
		16	15.8		5
		20	19.8		6

- Protective Ring Features**
- The filter of protective ring blocks foreign substances such as glass particles from the air, preventing them to get inside the body.
  - A rubber plate helps protect the body from any damage that might occur while removing.
  - Attach the marked groove towards to body side.

D	D1 (Removing Hole)
6	3.5
8	4.5
10	6.5
12	8.5
16	10
20	10

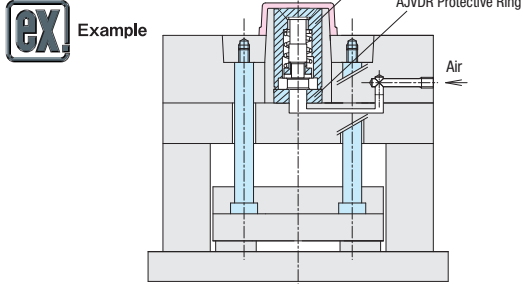
(Recommended removing hole size)

**Order** Part No. **AJVD8** - **L** **AJVD8** **AJVD8**

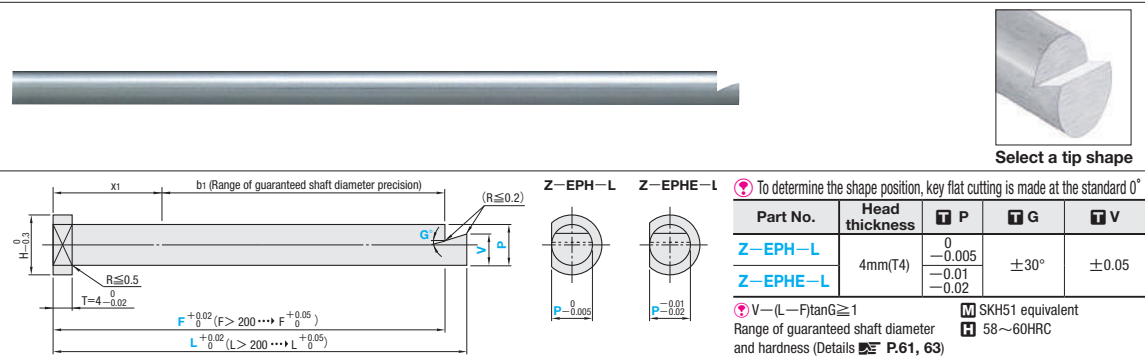
**Days to Ship** **Stock**

**Price** **Order / Quote:** WOS: <https://in.misumi-ec.com/>  
TEL: +91-124-468-8800 E-mail: cs@misumi.co.in

- Handling Precautions**
- When installing, drill a reaming hole (H7 tolerance) into a plate, tap lightly on the copper or aluminum rubber plate and check that the movement of the piston rod is normal.
  - Check that the base of mounting hole is flat and no chips remain.
  - When removing, drill a D1 dimension (Recommended) hole on the back side of the mold, use a rod and tap it through the protective ring from the back.



# Z SHAPE PROCESSED PINS



H	T	Part No.		0.01mm increments	0.5mm increments	1° increments	0.01mm increments
		Type	P	L	V	G°	F
4	4	Z—EPH—L Z—EPHE—L	2	50.00～300.00	1.5≦V<P	0～45	L—F≦10
5			2.5				
6			3				
7			4				
8			5	50.00～350.00			
9			6				
10			7				
11			8				

◆ V=H—EtanG>1

**Order** Part No. **L** **V** **G** **F**

**Type** **P** **Z-EPH-L** 5 - 150.00 - V2.0 - G5 - F145.00

**Price** **Order / Quote:** WOS: <https://in.misumi-ec.com/>  
TEL: +91-124-468-8800 E-mail: cs@misumi.co.in

**Alterations** Part No. **L** **V** **G** **F** (AKC · AWC...etc.)

**Days to Ship** **8** Days

Alterations	Code	Spec.
	AKC	AKC=1° increments 🔥 0<AKC<360 🔥 No need to designate AKC0
	AWC	AWC=1° increments 🔥 0≤AWC<360
	ARC	ARC=1° increments 🔥 0≤ARC<360
	ADC	ADC=1° increments 🔥 0≤ADC<360
	KGA	KGA=1° increments 🔥 0<KGA<360
	KGB	KGB=1° increments 🔥 0<KGB<360
	KAC KBC	Varied width parallel flats cutting P/2≤KAC<H/2 KBC=0.1mm increments only KAC<KBC<H/2 🔥 Combination with other key flat cutting not available

**Example**

**Characteristics**

Z groove ejector pins have the function of sprue lock by undercutting of the tip groove.

RCPN (RCPN Web)

Ball plunger (RCPN Web)

Ejector pin with Z groove processed

Alterations	Code	Spec.
	HC	HC=0.1mm increments 🔥 P+1≤HC<H
	HCC	HCC=0.1mm increments 🔥 P+1≤HCC<H-0.3
	TC	TC=0.1mm increments 🔥 2≤TC<4 (Dimensions L and F remain unchanged) 🔥 4-TC≤Lmax.-L
<b>Numbering</b>	NHC	Combination with key flat cutting not available. Electrolytic marking of ID code on the head(in 5 point, Round Gothic type). [Available characters] Numerals: 0~9; Alphabets: A~Z [Range of designation] 1 character when 2≤H<4.9 1 or 2 characters when 5≤H<6.9 (Only the first character may be an alphabet.) Up to 3 characters when 7≤H (Only the first character may be an alphabet.) [Designation method] NHC-6, NHC-23, NHC-A90 🔥 Available when head diameter H≥2 🔥 Combination with SKC · MC not available. 🔥 NHC is not available when numbering space in head exceeds the maximum of 1.8 long x 1.8 wide x characters.
<b>Numbering</b>		Automatic sequential numbering on the head Adds a sequential number on the head of each ejector pin when two or more pieces of identical size are ordered. [Available characters] Same as NHC (see above) [Range of designation] Same as NHC (see above) [Designation method] When 3 pieces are ordered with NHC-1, A sequential number starting from 1 to 3 is added on the head of each piece. When 10 pieces are ordered with NHC-A15: A sequential number starting from A15 (through A24) is added on the head of each piece. 🔥 Only available when two or more pieces of identical size are ordered. 🔥 Available when head diameter H≥2 🔥 Combination with SKC · MC not available.

**■Ejector Pins with Tip Processed**

**5A (Z groove)**

🔥 F=0.02 (F>200... F=0.05)  
🔥 L=0.02 (L>200... L=0.05)  
🔥 R≤0.2

0°≤G≤45° · V-(L-F)tanG≥1 · 1.5≤V<P · L-F≤10  
🔥 R designation not available