

Slide bracket

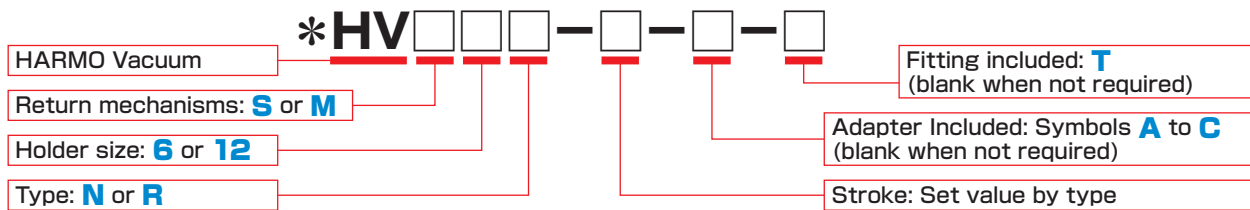
Size : M6(Fine) • M12(Fine)

- In addition to the conventional slide bracket for vacuum (holder size: M16), the following is a list of "Holder size M6 type" and "Holder size M12 type" slide brackets designed for vacuuming smaller products and the vacuum pads that can be used with these brackets.
- Approximately 80 different sets are available for various combinations of strokes, slide return mechanisms, adapters for vacuum pads, etc.
- About return mechanism**
 - Spring-assisted return type :** Conventional return mechanism. This is an affordable mechanism that places a spring inside the holder and uses the force of the spring to return the slide bracket.
 - Magnet-assisted return type :** While spring-assisted return mechanism may weaken in return force as it ages, this mechanism, which uses magnet force to return, maintains return force semi-permanently. (Spring maintenance free)

*Please be careful with products, secondary processing machines, and molds because magnetic force is generated.
- About rotation preventive type**

In normal types, products may rotate when vacuumed with a single slide bracket, but this type is equipped with an rotation preventive mechanism to prevent products from rotating.

New slide bracket System diagram



Return mechanism	Size	Type	External image	Stroke
Spring-assisted return	M6 (Fine)	Normal type (with positioning)		ST=6
		Rotation preventive type (Rotation restraint)		ST=6
Magnet-assisted return	M6 (Fine)	Normal type (with positioning)		ST=6
Spring-assisted return	M12 (Fine)	Normal type (with positioning)		ST=10, 20, 30
		Rotation preventive type (Rotation restraint)		ST=5, 15, 25
Magnet-assisted return	M12 (Fine)	Normal type (with positioning)		ST=10, 20, 30
		Rotation preventive type (Rotation restraint)		ST=5, 15, 25

Examples	Description	Code
	M6 spring-assisted return slide bracket only	*HVS6N-6
	M6 magnet-assisted return slide bracket + adapter included	*HVM6N-6-A
	M12 spring-assisted return slide bracket + fitting	*HVS12N-20-T
	M12 magnet-assisted return rotation preventive type + slide bracket + adapter fitting	*HVM12R-15-B-T

Spring-assisted return / Magnet-assisted return

Slide bracket M6

M6 Spring-assisted return Normal type

	Part code	Weight [g]	Material
ST=6	*HVS6N-6	5.3	Stainless Nut: Brass
	*HVS6N-6-A	5.8	
	*HVS6N-6-B	6.1	
	*HVS6N-6-C	8.0	
	*HVS6N-6-A-T	6.6	
	*HVS6N-6-B-T	6.9	
	*HVS6N-6-C-T	8.8	
	*HVS6N-6-T	6.1	

M6 Spring-assisted return Rotation preventive type

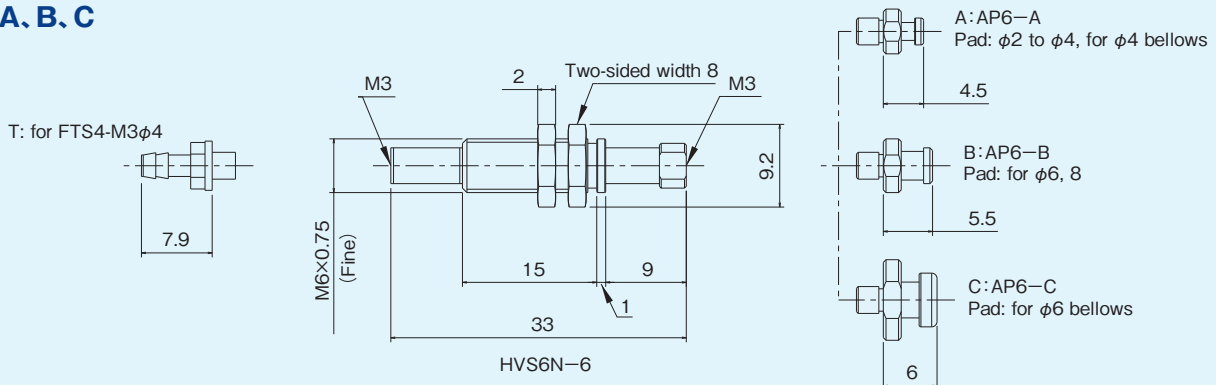
	Part code	Weight [g]	Material
ST=6	*HVS6R-6	6.1	Stainless Nut: Brass
	*HVS6R-6-A	6.6	
	*HVS6R-6-B	6.9	
	*HVS6R-6-C	7.8	
	*HVS6R-6-A-T	7.4	
	*HVS6R-6-B-T	7.7	
	*HVS6R-6-C-T	8.6	
	*HVS6R-6-T	6.9	

M6 Magnet-assisted return Normal type

	Part code	Weight [g]	Material
ST=6	*HVM6N-6	5.8	Stainless Nut: Brass
	*HVM6N-6-A	6.3	
	*HVM6N-6-B	6.6	
	*HVM6N-6-C	7.5	
	*HVM6N-6-A-T	7.1	
	*HVM6N-6-B-T	7.4	
	*HVM6N-6-C-T	8.3	
	*HVM6N-6-T	6.6	

HVS6N-6 / HVS6N-6-○ / HVS6N-6-○-T / HVS6N-6-T

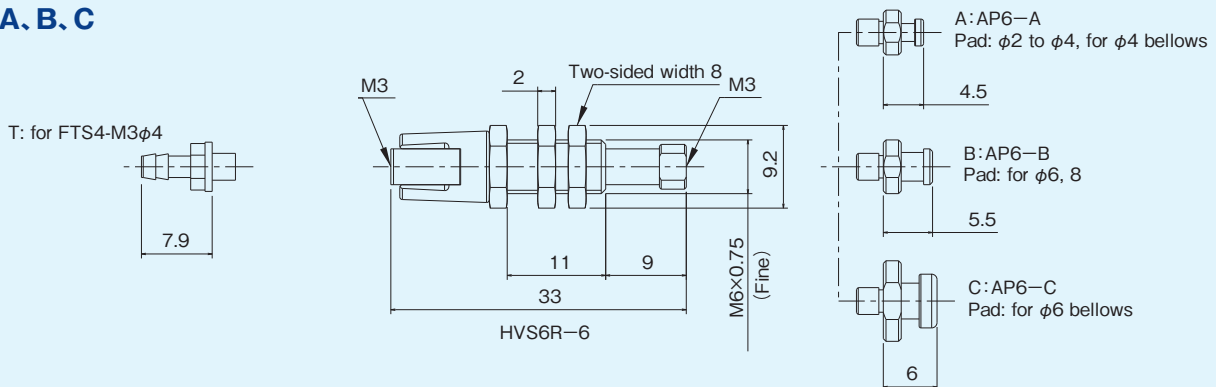
○: A, B, C



*Workpiece weight guideline: 16 g/pc.

HVS6R-6 / HVS6R-6-○ / HVS6R-6-○-T / HVS6R-6-T

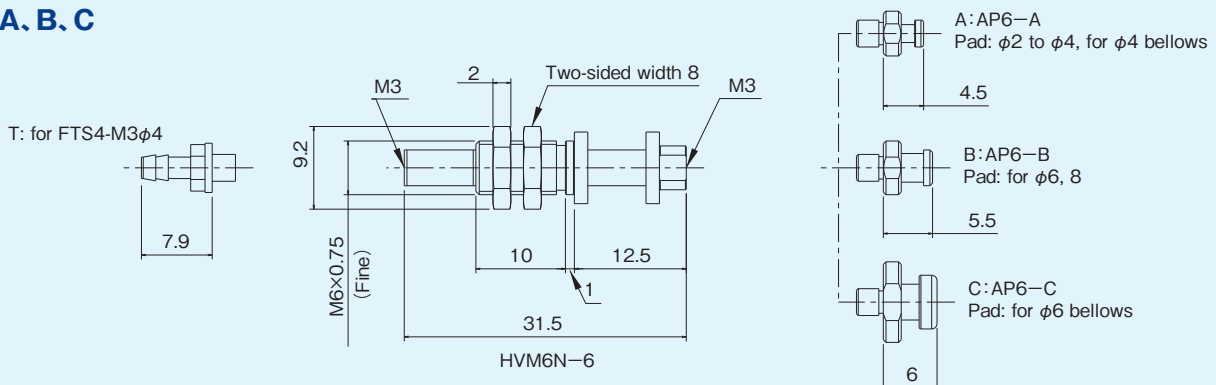
○: A, B, C



*Workpiece weight guideline: 16 g/pc.

HVM6N-6 / HVM6N-6-○ / HVM6N-6-○-T / HVM6N-6-T

○: A, B, C



*Workpiece weight guideline: 16 g/pc.

Spring-assisted return

Slide bracket M12

M12 Spring-assisted return Normal type

	Part code	Weight [g]	A	B	C	Material
ST=10	*HVS12N-10	10.0	42	10	19	Holder: Aluminum Shaft: POM Nut: Brass
	*HVS12N-10-A	10.7				
	*HVS12N-10-B	10.8				
	*HVS12N-10-A-T	12.2				
	*HVS12N-10-B-T	12.3				
	*HVS12N-10-T	11.5				
ST=20	*HVS12N-20	13.0	65	20	32	
	*HVS12N-20-A	13.7				
	*HVS12N-20-B	13.8				
	*HVS12N-20-A-T	15.2				
	*HVS12N-20-B-T	15.3				
	*HVS12N-20-T	14.5				
ST=30	*HVS12N-30	16.2	88	30	45	
	*HVS12N-30-A	16.9				
	*HVS12N-30-B	17.0				
	*HVS12N-30-A-T	18.4				
	*HVS12N-30-B-T	18.5				
	*HVS12N-30-T	17.7				

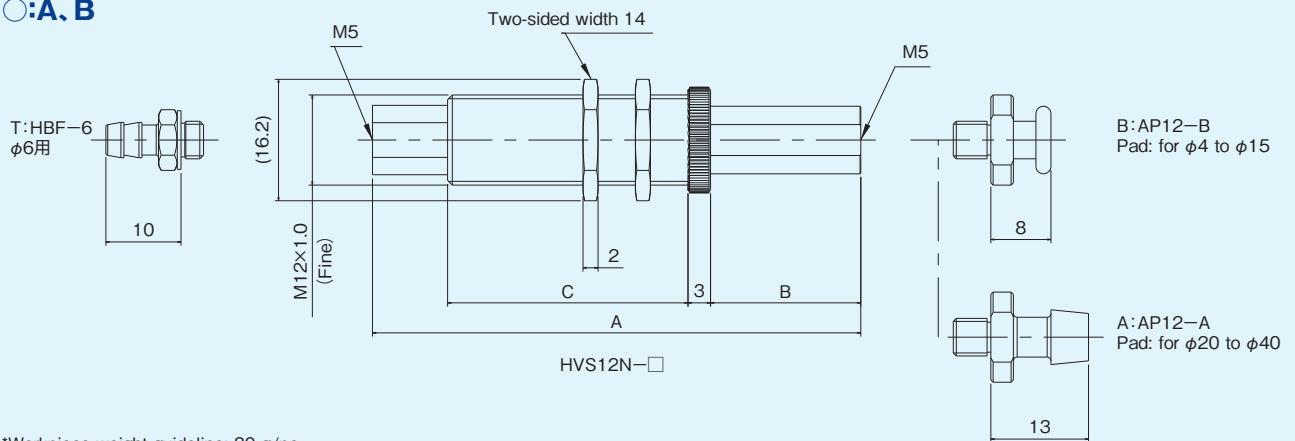
M12 Spring-assisted return Rotation preventive type

	Part code	Weight [g]	A	B	C	Material
ST=5	*HVS12R-5	11.1	42	5	15	Holder: Aluminum Shaft: POM Nut: Brass
	*HVS12R-5-A	11.8				
	*HVS12R-5-B	11.9				
	*HVS12R-5-A-T	13.3				
	*HVS12R-5-B-T	13.4				
	*HVS12R-5-T	12.6				
ST=15	*HVS12R-15	14.3	65	15	28	
	*HVS12R-15-A	15.0				
	*HVS12R-15-B	15.1				
	*HVS12R-15-A-T	16.5				
	*HVS12R-15-B-T	16.6				
	*HVS12R-15-T	15.8				
ST=25	*HVS12R-25	17.5	88	25	41	
	*HVS12R-25-A	18.2				
	*HVS12R-25-B	18.3				
	*HVS12R-25-A-T	19.7				
	*HVS12R-25-B-T	19.8				
	*HVS12R-25-T	19.0				

HVS12N-□ / HVS12N-□-○ / HVS12N-□-○-T / HVS12N-□-T

□: 10, 20, 30

○: A, B

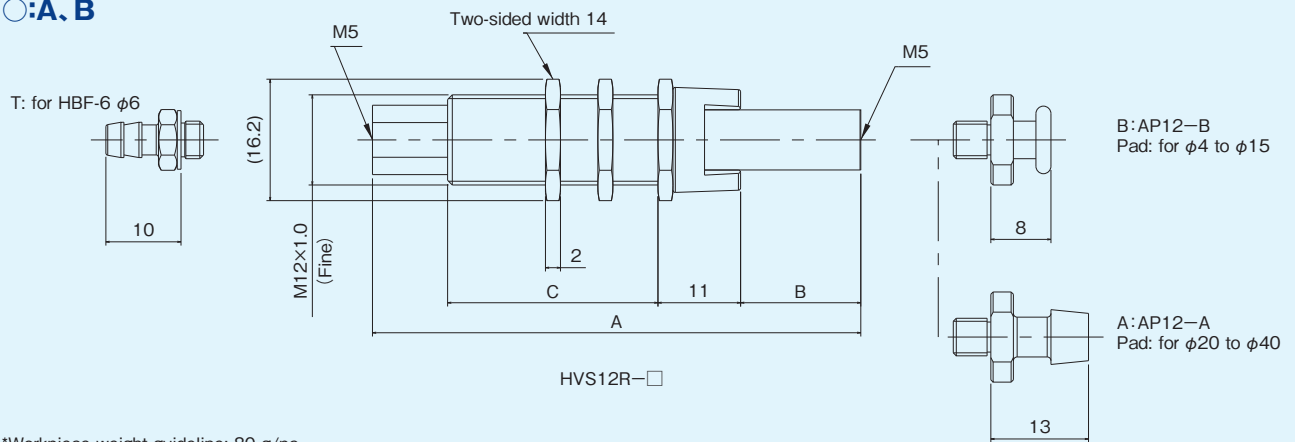


*Workpiece weight guideline: 80 g/pc.

HVS12R-□ / HVS12R-□-○ / HVS12R-□-○-T / HVS12R-□-T

□: 5, 15, 25

○: A, B



*Workpiece weight guideline: 80 g/pc.

Magnet-assisted return

Slide bracket M12

M12 Magnet-assisted return Normal type

	Part code	Weight [g]	A	B	Material
ST=10	*HVM12N-10	9.6	42	19	Holder: Aluminum Shaft: POM Nut: Brass Magnet: Neodymium
	*HVM12N-10-A	10.3			
	*HVM12N-10-B	10.4			
	*HVM12N-10-A-T	11.8			
	*HVM12N-10-B-T	11.9			
	*HVM12N-10-T	11.1			
ST=20	*HVM12N-20	12.9	58	35	
	*HVM12N-20-A	13.6			
	*HVM12N-20-B	13.7			
	*HVM12N-20-A-T	15.1			
	*HVM12N-20-B-T	15.2			
	*HVM12N-20-T	14.4			
ST=30	*HVM12N-30	15.0	71	48	
	*HVM12N-30-A	15.7			
	*HVM12N-30-B	15.8			
	*HVM12N-30-A-T	17.2			
	*HVM12N-30-B-T	17.3			
	*HVM12N-30-T	16.5			

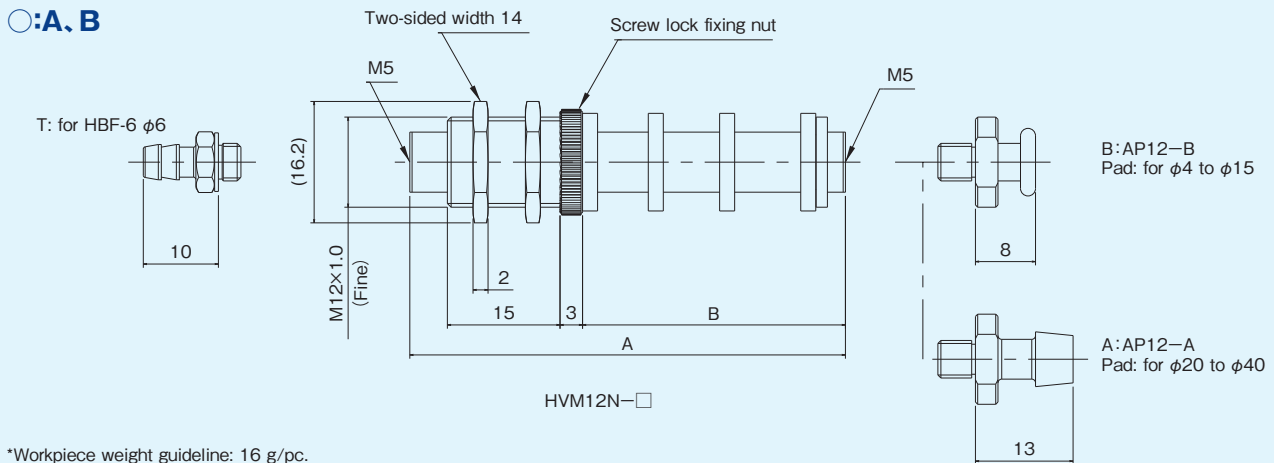
M12 Magnet-assisted return Rotation preventive type

	Part code	Weight [g]	A	B	Material
ST=5	*HVM12R-5	10.8	42	15	Holder: Aluminum Shaft: POM Nut: Brass Magnet: Neodymium
	*HVM12R-5-A	11.5			
	*HVM12R-5-B	11.6			
	*HVM12R-5-A-T	13.0			
	*HVM12R-5-B-T	13.1			
	*HVM12R-5-T	12.3			
ST=15	*HVM12R-15	14.1	58	31	
	*HVM12R-15-A	14.8			
	*HVM12R-15-B	14.9			
	*HVM12R-15-A-T	16.3			
	*HVM12R-15-B-T	16.4			
	*HVM12R-15-T	15.6			
ST=25	*HVM12R-25	16.2	71	44	
	*HVM12R-25-A	16.9			
	*HVM12R-25-B	17.0			
	*HVM12R-25-A-T	18.4			
	*HVM12R-25-B-T	18.5			
	*HVM12R-25-T	17.7			

HVM12N-□ / HVM12N-□-○ / HVM12N-□-○-T / HVM12N-□-T

□: 10, 20, 30

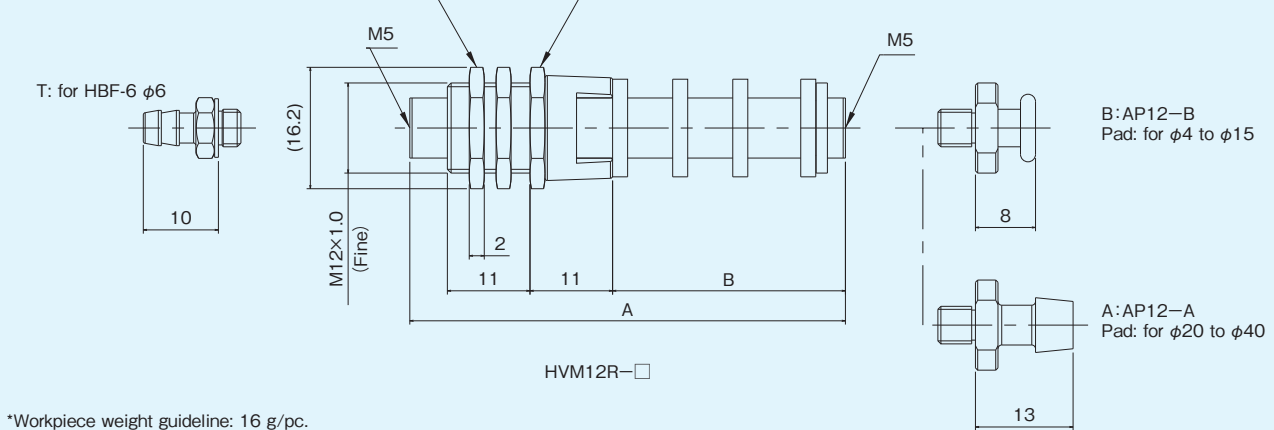
○: A, B



HVM12R-□ / HVM12R-□-○ / HVM12R-□-○-T / HVM12R-□-T

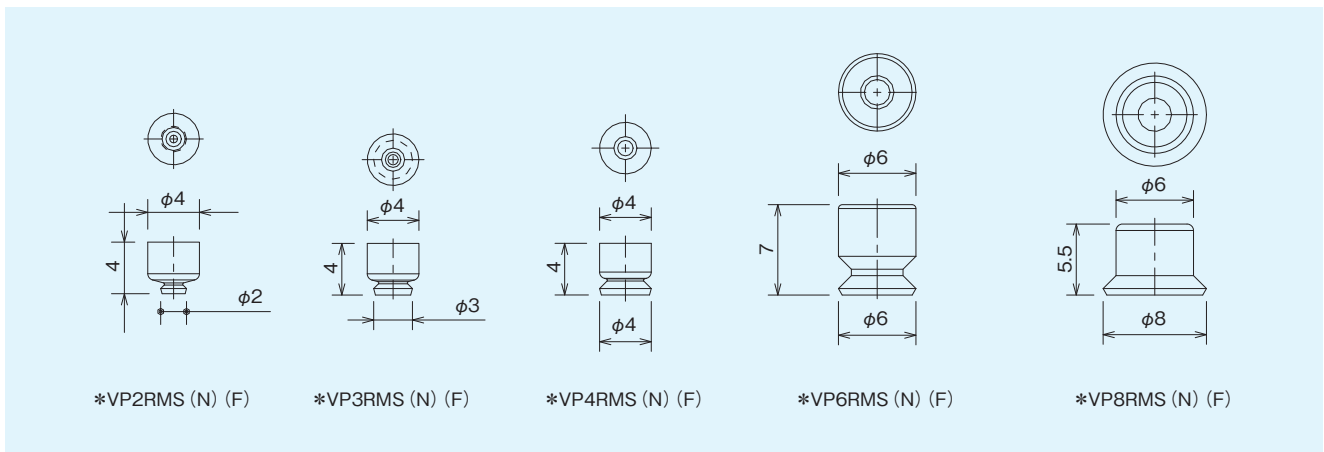
□: 5, 15, 25

○: A, B

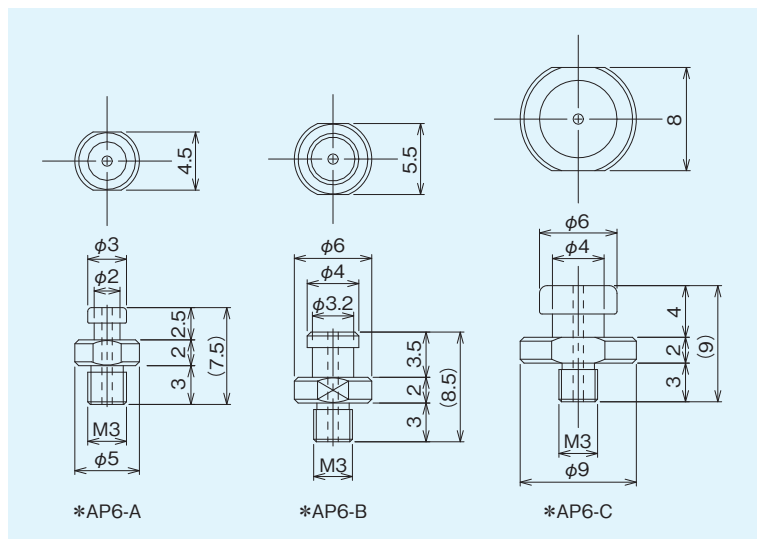
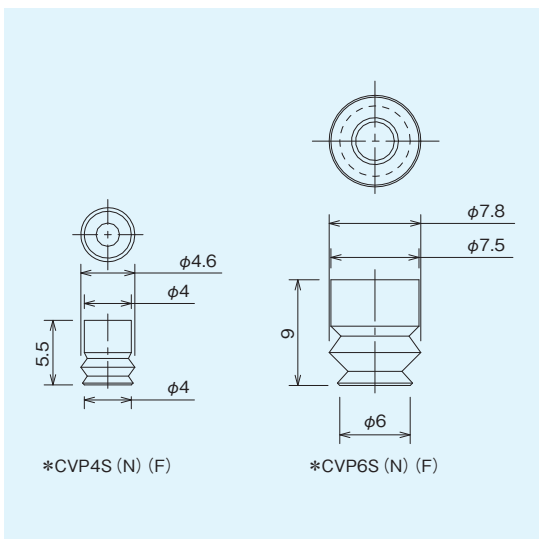


For HV□6 Pad prices and adapter list







Pad material, colour, heat resistance/ part code (List price)			Pad diameter	External image of the vacuum pad	Shape	Corresponding adapter	External image
Silicone (white) -40°C~180°	Nitrile (black) -30°C~110°C	Fluorine (grey) -10°C~230°C					
*VP2RMS	*VP2RMN	*VP2RMF	φ2		Standard	AP6-A	
*VP3RMS	*VP3RMN	*VP3RMF	φ3				
*VP4RMS	*VP4RMN	*VP4RMF	φ4				
*VP6RS	*VP6RN	*VP6RF	φ6				
*VP8RS	*VP8RN	*VP8RF	φ8				



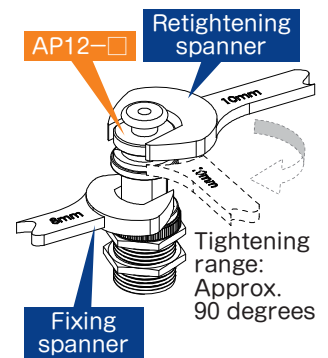
Pad material, colour, heat resistance/ part code (List price)			Pad diameter	External image of the vacuum pad	Shape	Corresponding adapter	External image
Silicone (white) -60°C~250°	Nitrile (black) -26°C~120°C	Fluorine (黒に白点) -10°C~230°C					
*CVP4S	*CVP4N	*CVP4F	φ4		Bellows	AP6-A	
*CVP6S	*CVP6N	*CVP6F	φ6			AP6-C	



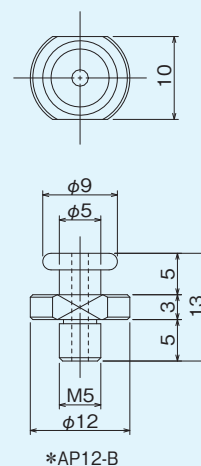
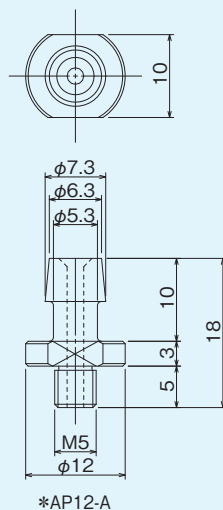
For HV□12 Pad prices and adapter list

Pad material/Parts code (List price)			Pad diameter	Shape	Corresponding adapter	External image
Silicone (white) -15°C~150°C	Nitrile (black) -30°C~100°C	Fluorosilicon (brown) -50°C~210°C				
*VP4LS	*VP4LN	*VP4LFS	φ4	Standard See p.20	AP12-B	
*VP6LS	*VP6LN	*VP6LFS	φ6			
*VP8LS	*VP8LN	*VP8LFS	φ8			
*VP10LS	*VP10LN	*VP10LFS	φ10			
*VP15LS	*VP15LN	*VP15LFS	φ15		AP12-A	
*VP20LS	*VP20LN	*VP20LFS	φ20			
*VP30LS	*VP30LN	*VP30LFS	φ30			
*VP40LS	*VP40LN	*VP40LFS	φ40			
*VP6LBS	*VP6LBN	—	φ6	Soft bellows See p.21	AP12-B	
*VP8LBS	*VP8LBN	—	φ8			
*VP10LBS	*VP10LBN	—	φ10			
*VP15LBS	*VP15LBN	—	φ15		AP12-A	
*VP20LBS	*VP20LBN	—	φ20			
—	110P9050	—	φ6	With neoprene sponge (black) See p.21	AP12-B	
—	110P9051	—	φ8			
110P9071	—	—	φ10			
110P9072	—	—	φ15		AP12-A	
110P9073	—	—	φ20			
110P9074	—	—	φ30			
110P9075	—	—	φ40	With silicone sponge (red) See p.21		

Note for handling adapter AP12-□



When assembling adaptor AP12-□, lightly tighten the screws until they stop and then use a spanner to retighten them by approximately 90° to achieve the recommended assembly condition. Retightening by over 90° may cause the screw to break.



Slide brackets M6 size, single and set Codes and price lists

	Single order			Order format and list price		
	① Main unit	② Adapter	③ Fitting	①+② Set parts code	①+③ Set parts code	①+②+③ Set parts code
Spring Normal type	*HVS6N-6	*AP6-A	*FTS4-M3	*HVS6N-6-A	*HVS6N-6-T	*HVS6N-6-A-T
		*AP6-B		*HVS6N-6-B		*HVS6N-6-B-T
		*AP6-C		*HVS6N-6-C		*HVS6N-6-C-T
Spring Rotation preventive type	*HVS6R-6	*AP6-A	*FTS4-M3	*HVS6R-6-A	*HVS6R-6-T	*HVS6R-6-A-T
		*AP6-B		*HVS6R-6-B		*HVS6R-6-B-T
		*AP6-C		*HVS6R-6-C		*HVS6R-6-C-T
Magnet Normal type	*HVM6N-6	*AP6-A	*FTS4-M3	*HVM6N-6-A	*HVM6N-6-T	*HVM6N-6-A-T
		*AP6-B		*HVM6N-6-B		*HVM6N-6-B-T
		*AP6-C		*HVM6N-6-C		*HVM6N-6-C-T

Slide brackets M12 size, single and set Codes and price lists

	Single order			Order format and list price		
	① Main unit	② Adapter	③ Fitting	①+② Set parts code	①+③ Set parts code	①+②+③ Set parts code
Spring Normal type	*HVS12N-10	*AP12-A	*HBF-6	*HVS12N-10-A	*HVS12N-10-T	*HVS12N-10-A-T
		*AP12-B		*HVS12N-10-B		*HVS12N-10-B-T
	*HVS12N-20	*AP12-A	*HBF-6	*HVS12N-20-A	*HVS12N-20-T	*HVS12N-20-A-T
		*AP12-B		*HVS12N-20-B		*HVS12N-20-B-T
	*HVS12N-30	*AP12-A	*HBF-6	*HVS12N-30-A	*HVS12N-30-T	*HVS12N-30-A-T
		*AP12-B		*HVS12N-30-B		*HVS12N-30-B-T
Spring Rotation preventive type	*HVS12R-5	*AP12-A	*HBF-6	*HVS12R-5-A	*HVS12R-5-T	*HVS12R-5-A-T
		*AP12-B		*HVS12R-5-B		*HVS12R-5-B-T
	*HVS12R-15	*AP12-A	*HBF-6	*HVS12R-15-A	*HVS12R-15-T	*HVS12R-15-A-T
		*AP12-B		*HVS12R-15-B		*HVS12R-15-B-T
	*HVS12R-25	*AP12-A	*HBF-6	*HVS12R-25-A	*HVS12R-25-T	*HVS12R-25-A-T
		*AP12-B		*HVS12R-25-B		*HVS12R-25-B-T
Magnet Normal type	*HVM12N-10	*AP12-A	*HBF-6	*HVM12N-10-A	*HVM12N-10-T	*HVM12N-10-A-T
		*AP12-B		*HVM12N-10-B		*HVM12N-10-B-T
	*HVM12N-20	*AP12-A	*HBF-6	*HVM12N-20-A	*HVM12N-20-T	*HVM12N-20-A-T
		*AP12-B		*HVM12N-20-B		*HVM12N-20-B-T
	*HVM12N-30	*AP12-A	*HBF-6	*HVM12N-30-A	*HVM12N-30-T	*HVM12N-30-A-T
		*AP12-B		*HVM12N-30-B		*HVM12N-30-B-T
Magnet Rotation preventive type	*HVM12R-5	*AP12-A	*HBF-6	*HVM12R-5-A	*HVM12R-5-T	*HVM12R-5-A-T
		*AP12-B		*HVM12R-5-B		*HVM12R-5-B-T
	*HVM12R-15	*AP12-A	*HBF-6	*HVM12R-15-A	*HVM12R-15-T	*HVM12R-15-A-T
		*AP12-B		*HVM12R-15-B		*HVM12R-15-B-T
	*HVM12R-25	*AP12-A	*HBF-6	*HVM12R-25-A	*HVM12R-25-T	*HVM12R-25-A-T
		*AP12-B		*HVM12R-25-B		*HVM12R-25-B-T