



MP series

Vacuum suction cup with adapter (φ2–φ50)



3C product



U-Flat

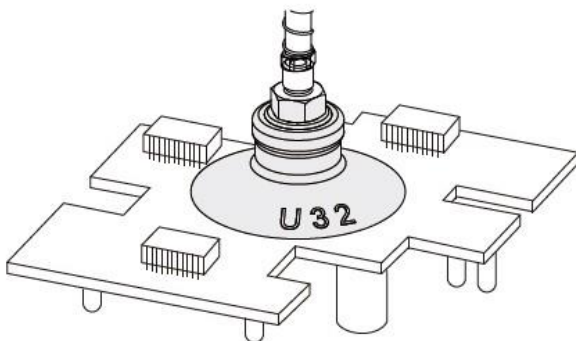


B-Bellows-type

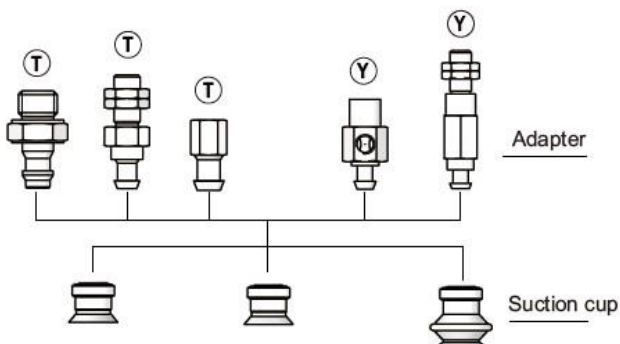


C-Flat reinforced

Applications of MP adapter-equipped vacuum suction cups



System design of MP cup with adapter



Introduction

- ◆ Type U, Type C and Type B are in different shapes to adapt to different applications
- ◆ Special traceless anti-static material
- ◆ Applicable to handling small-sized, lightweight articles in the 3C electronics industry

Application

- ◆ Type U is suitable for even surfaces unlikely deforming
- ◆ Type C is applicable to suctioning workpieces likely deforming
- ◆ Type B is applicable to suctioning sloping surfaces
- ◆ Applicable to handling cartons, small semiconductor products, spherical objects, food, etc.
- ◆ The special anti-static material is applicable to the electronics industry.

Structure

- ◆ Split structure design, the vulnerable elements can be easily replaced.

 Guide to purchase of vacuum suction cup with adapter MP**MP T - 02 U N - A5**

① ② ③ ④ ⑤ ⑥

① Product series	② Vacuum port direction	③ Size specification		④ Shape specification
MP	Null- Bare suction cup	02 - Φ 2.0mm	16 - Φ 16mm	U - Flat
	T - Vertical	04 - Φ 4.0mm	20 - Φ 20mm	B - Bellows-type
	Y - Horizontal	06 - Φ 6.0mm	25 - Φ 25mm	C - Ribbed-flat type
		08 - Φ 8.0mm	32 - Φ 32mm	
		10 - Φ 10mm	40 - Φ 40mm	
		13 - Φ 13mm	50 - Φ 50mm	
⑤ Material of suction cup		⑥ Joint specification		
N-nitrile rubber	Null- Bare suction cup	B5-A5- vacuum port with M5×0.8 female thread, fitted to M5×0.8 male thread		B5-B5- vacuum port with M5×0.8 female thread, fitted to M5×0.8 female thread
S-silicone rubber	A5- M5×0.8 male thread	B5-A6- vacuum port with M5×0.8 female thread, fitted to M6×1 male thread		B5-B6- vacuum port with M5×0.8 female thread, fitted to M6×1 female thread
GN- Anti-static nitrile rubber (Static resistance index: 10 ⁵ –10 ⁹)	A6- M6×1 male thread	B5-A8- vacuum port with M5×0.8 female thread, fitted to M8×1.25 male thread		B5-B8- vacuum port with M5×0.8 female thread, fitted to M8×1.25 female thread
GS- Anti-static silicone rubber (Static resistance index: 10 ⁵ –10 ⁹)	A8- M8×1.25 male thread	B5-B4 - fitted to M5×0.8 female thread fitted to M4×0.7 female thread		
GHN- traceless conductive nitrile rubber (Static resistance index: 10 ⁵ –10 ⁹)	B4- M4×0.7 female thread			
	B5- M5×0.8 female thread			
	B6- M6×1 female thread			
	B8- M8×1.25 female thread			
	B01- G1/8 female thread			

Note: When a bare suction cup is selected, the "vacuum port direction" item will be disabled.



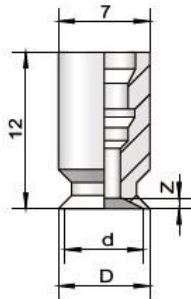
Model specification	Shape specification			Connection specification							
	U	B	C	T - Vertical							
				A5 M5×0.8 male thread	A6 M6×1 male thread	A8 M8×1.25 male thread	B4 M4×0.7 female thread	B5 M5×0.8 female thread	B6 M6×1 female thread	B8 M8×1.25 female thread	B01 G1/8 female thread
φ2.0	●	-	-	●	●	-	●	●	-	-	-
φ4.0	●	-	-	●	●	-	●	●	-	-	-
φ6.0	●	●	-	●	●	-	●	●	-	-	-
φ8.0	●	●	-	●	●	-	●	●	-	-	-
φ10	●	●	●	●	●	-	-	●	●	-	●
φ13	●	●	●	●	●	-	-	●	●	-	●
φ16	●	●	●	●	●	-	-	●	●	-	●
φ20	●	●	●	-	●	●	-	●	●	●	●
φ25	●	●	●	-	●	●	-	●	●	●	●
φ32	●	●	●	-	●	●	-	●	●	●	●
φ40	●	●	●	-	●	●	-	-	●	●	●
φ50	●	●	●	-	●	●	-	-	●	●	●

Model specification	Shape specification			Connection specification						
	U	B	C	Y- Horizontal						
				B5-A5 Vacuum port with M5×0.8 female thread fitted to M5×0.8 male thread	B5-A6 Vacuum port with M5×0.8 female thread fitted to M6×1 male thread	B5-A8 Vacuum port with M5×0.8 female thread fitted to M8×1.25 male thread	B5-B4 Vacuum port with M5×0.8 female thread fitted to M4×0.7 female thread	B5-B5 Vacuum port with M5×0.8 female thread fitted to M5×0.8 female thread	B5-B6 Vacuum port with M5×0.8 female thread fitted to M6×1 female thread	B5-B8 Vacuum port with M5×0.8 female thread fitted to M8×1.25 female thread
φ2.0	●	-	-	●	●	-	●	●	-	-
φ4.0	●	-	-	●	●	-	●	●	-	-
φ6.0	●	●	-	●	●	-	●	●	-	-
φ8.0	●	●	-	●	●	-	●	●	-	-
φ10	●	●	●	●	●	-	-	●	●	-
φ13	●	●	●	●	●	-	-	●	●	-
φ16	●	●	●	●	●	-	-	●	●	-
φ20	●	●	●	-	●	●	-	●	●	●
φ25	●	●	●	-	●	●	-	●	●	●
φ32	●	●	●	-	●	●	-	●	●	●
φ40	●	●	●	-	●	●	-	-	●	●
φ50	●	●	●	-	●	●	-	-	●	●



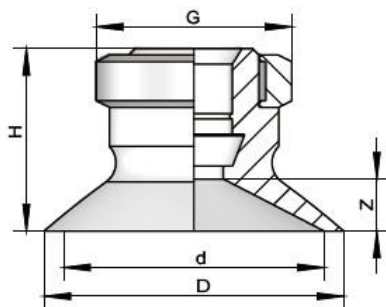
4 Design parameters of vacuum suction cup with adapter MP

MP-02 to 08 U



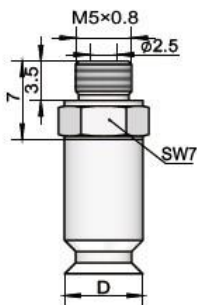
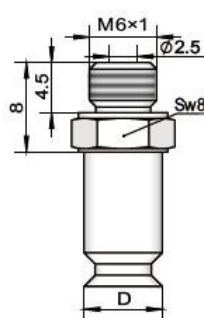
Model	Size (mm)			Weight g
	D	d	Z	
MP-02U □	2.6	2	0.5	0.3
MP-04U □	4.8	4	0.8	0.3
MP-06U □	7	6	0.8	0.4
MP-08U □	9	8	1	0.4

MP-10 to 50 U



Model	Size (mm)					Weight g
	H	D	d	G	Z	
MP-10U □	12	12	10	13	3	0.8
MP-13U □	12	15	13	13	3	0.8
MP-16U □	12.5	18	16	13	3.5	0.9
MP-20U □	14	23	20	15	4	1.6
MP-25U □	14	28	25	15	4	1.8
MP-32U □	14.5	35	32	15	4.5	2.3
MP-40U □	18.5	43	40	18	6.5	5.5
MP-50U □	19.5	53	50	18	7.5	6.9

Type-U suction cup (φ2.0–φ8.0mm) - Vacuum port in vertical direction

MPT-02 to 08 U □ -A5
(M5×0.8 male thread)MPT-02 to 08 U □ -A6
(M6×1 male thread)

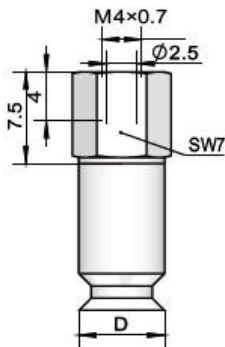
Model	Size (mm)		Applicable adapter model
	D		
MPT-02U □ -A5(A6)	2.6		MPT1-A5(A6)
MPT-04U □ -A5(A6)	4.8		MPT1-A5(A6)
MPT-06U □ -A5(A6)	7		MPT1-A5(A6)
MPT-08U □ -A5(A6)	9		MPT1-A5(A6)



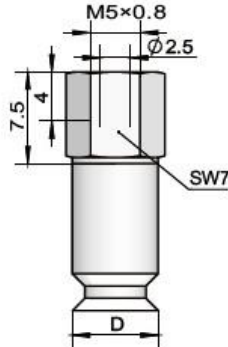
4 Design parameters of vacuum suction cup with adapter MP

Type-U suction cup ($\phi 2.0$ – $\phi 8.0$ mm) - Vacuum port in vertical direction

MPT-02 to 08 U □ -B4
(M4×0.7 female thread)



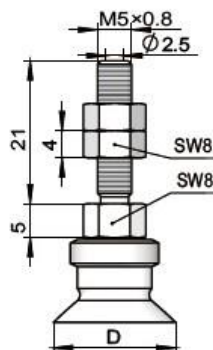
MPT-02 to 08 U □ -B5
(M5×0.8 female thread)



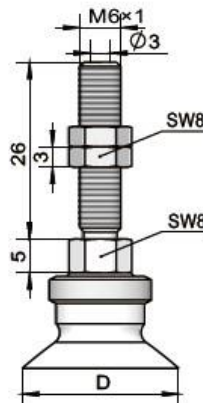
Model	Size (mm)		Applicable adapter model
		D	
MPT-02U □ -B4(B5)	2.6		MPT1-B4(B5)
MPT-04U □ -B4(B5)	4.8		MPT1-B4(B5)
MPT-06U □ -B4(B5)	7		MPT1-B4(B5)
MPT-08U □ -B4(B5)	9		MPT1-B4(B5)

Type-U suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in vertical direction

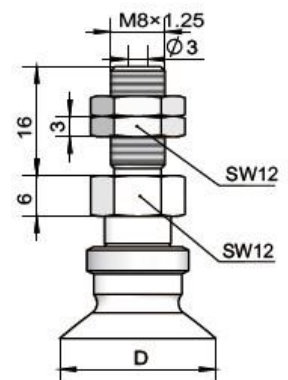
MPT-10 to 16 U □ -A5
(M5×0.8 male thread)



MPT-10 to 50 U □ -A6
(M6×1 male thread)



MPT-20 to 50 U □ -A8
(M8×1.25 male thread)



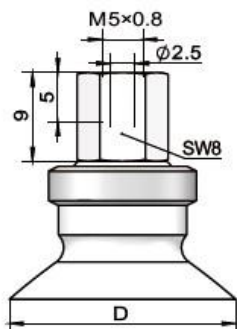
Model	Size (mm)		Applicable adapter model
		D	
MPT-10U □ -A5(A6)		12	MPT2-A5(A6)
MPT-13U □ -A5(A6)		15	MPT2-A5(A6)
MPT-16U □ -A5(A6)		18	MPT2-A5(A6)
MPT-20U □ -A6(A8)		23	MPT3-A6(A8)
MPT-25U □ -A6(A8)		28	MPT3-A6(A8)
MPT-32U □ -A6(A8)		35	MPT3-A6(A8)
MPT-40U □ -A6(A8)		43	MPT4-A6(A8)
MPT-50U □ -A6(A8)		53	MPT4-A6(A8)



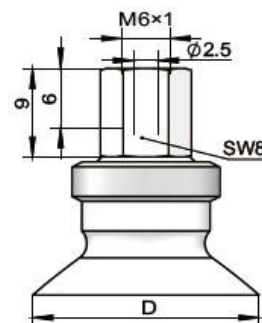
4 Design parameters of vacuum suction cup with adapter MP

Type-U suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in vertical direction

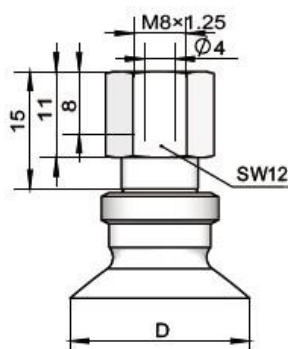
MPT-10 to 32 U □ -B5
(M5×0.8 female thread)



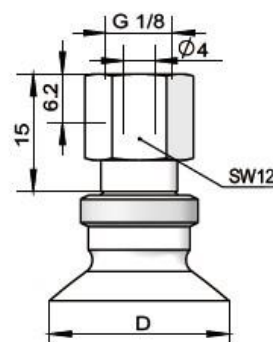
MPT-10 to 50 U □ -B6
(M6×1 female thread)



MPT-20 to 50 U □ -B8
(M8×1.25 female thread)



MPT-10 to 50 U □ -B01
(G1/8 female thread)



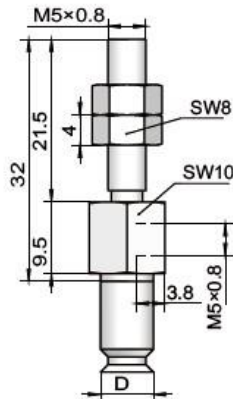
Model	Size (mm)		Applicable adapter model
		D	
MPT-10U □ -B5(B6/B01)		12	MPT2-B5(B6/B01)
MPT-13U □ -B5(B6/B01)		15	MPT2-B5(B6/B01)
MPT-16U □ -B5(B6/B01)		18	MPT2-B5(B6/B01)
MPT-20U □ -B5(B6/B8/B01)		23	MPT3-B5(B6/B8/B01)
MPT-25U □ -B5(B6/B8/B01)		28	MPT3-B5(B6/B8/B01)
MPT-32U □ -B5(B6/B8/B01)		35	MPT3-B5(B6/B8/B01)
MPT-40U □ -B6(B8/B01)		43	MPT4-B6(B8/B01)
MPT-50U □ -B6(B8/B01)		53	MPT4-B6(B8/B01)



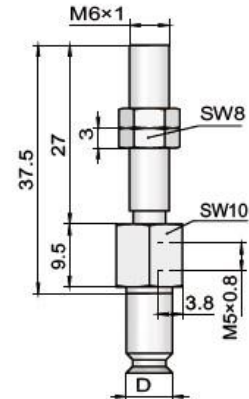
4 Design parameters of vacuum suction cup with adapter MP

Type-U suction cup ($\phi 2.0$ – $\phi 8.0$ mm)—Vacuum port in horizontal direction

MPY-02 to 08 U □ -B5-A5
(M5×0.8 male thread)

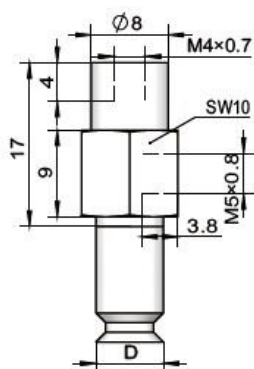


MPY-02 to 08 U □ -B5-A6
(M6×1 male thread)

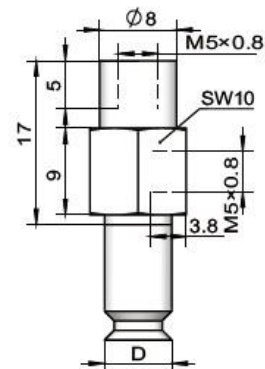


Model	Size (mm)		Applicable adapter model
		D	
MPY-02U □ -B5-A5(B5-A6)		2.6	MPY1-B5-A5(B5-A6)
MPY-04U □ -B5-A5(B5-A6)		4.8	MPY1-B5-A5(B5-A6)
MPY-06U □ -B5-A5(B5-A6)		7	MPY1-B5-A5(B5-A6)
MPY-08U □ -B5-A5(B5-A6)		9	MPY1-B5-A5(B5-A6)

MPY 02 to 08 U □ B5-B4
(M4×0.7 female thread)



MPY 02 to 08 U □ B5-B5
(M5×0.8 female thread)



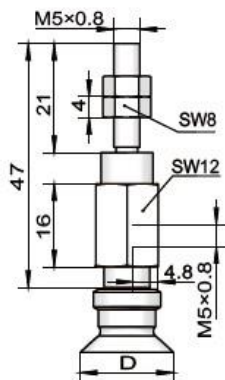
Model	Size (mm)		Applicable
		D	adapter model
MPY-02U □ -B5-B4(B5-B5)		2.6	MPY1-B5-B4(B5-B5)
MPY-04U □ -B5-B4(B5-B5)		4.8	MPY1-B5-B4(B5-B5)
MPY-06U □ -B5-B4(B5-B5)		7	MPY1-B5-B4(B5-B5)
MPY-08U □ -B5-B4(B5-B5)		9	MPY1-B5-B4(B5-B5)



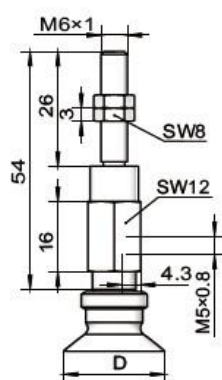
4 Design parameters of vacuum suction cup with adapter MP

Type-U suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in horizontal direction

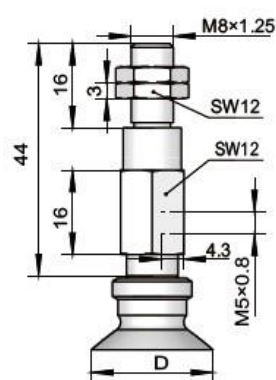
MPY 10 to 16 U □ B5-A5
(M5×0.8 male thread)



MPY 10 to 50 U □ B5-A6
(M6×1 male thread)

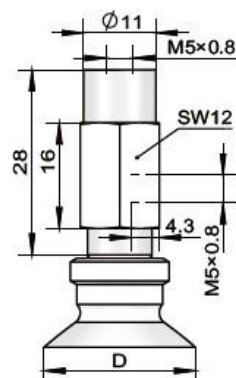


MPY 20 to 50 U □ B5-A8
(M8×1.25 male thread)

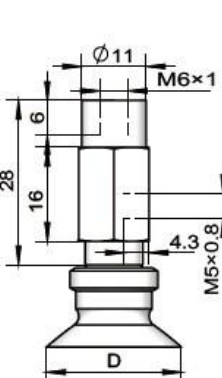


Model	Size (mm)		Applicable adapter model
		D	
MPY-10U □-B5-A5(B5-A6)		12	MPY2-B5-A5(B5-A6)
MPY-13U □-B5-A5(B5-A6)		15	MPY2-B5-A5(B5-A6)
MPY-16U □-B5-A5(B5-A6)		18	MPY2-B5-A5(B5-A6)
MPY-20U □-B5-A6(B5-A8)		23	MPY3-B5-A6(B5-A8)
MPY-25U □-B5-A6(B5-A8)		28	MPY3-B5-A6(B5-A8)
MPY-32U □-B5-A6(B5-A8)		35	MPY3-B5-A6(B5-A8)
MPY-40U □-B5-A6(B5-A8)		43	MPY4-B5-A6(B5-A8)
MPY-50U □-B5-A6(B5-A8)		53	MPY4-B5-A6(B5-A8)

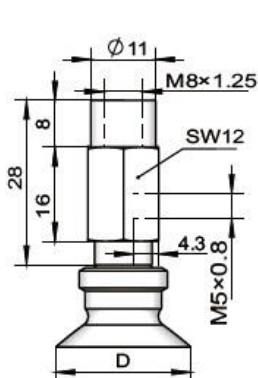
MPY 10 to 32 U □ B5-B5
(M5×0.8 female thread)



MPY 10 to 50 U □ B5-B6
(M6×1 female thread)



MPY 20 to 50 U □ B5-B8
(M8×1.25 female thread)



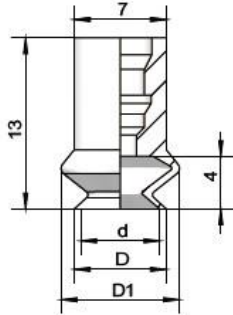
Model	Size (mm)		Applicable adapter model
		D	
MPY-10U □-B5-B5(B5-B6)		12	MPY2-B5-B5(B5-B6)
MPY-13U □-B5-B5(B5-B6)		15	MPY2-B5-B5(B5-B6)
MPY-16U □-B5-B5(B5-B6)		18	MPY2-B5-B5(B5-B6)
MPY-20U □-B5-B5(B5-B6/B5-B8)		23	MPY3-B5-B5(B5-B6/B5-B8)
MPY-25U □-B5-B5(B5-B6/B5-B8)		28	MPY3-B5-B5(B5-B6/B5-B8)
MPY-32U □-B5-B5(B5-B6/B5-B8)		35	MPY3-B5-B5(B5-B6/B5-B8)
MPY-40U □-B5-B6(B5-B8)		43	MPY4-B5-B6(B5-B8)
MPY-50U □-B5-B6(B5-B8)		53	MPY4-B5-B6(B5-B8)



4 Design parameters of vacuum suction cup with adapter MP

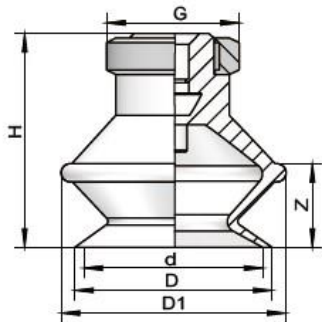
Size specification (mm)—Type-B suction cup

MP 06 to 08 B



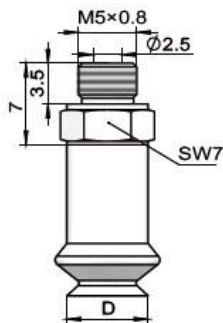
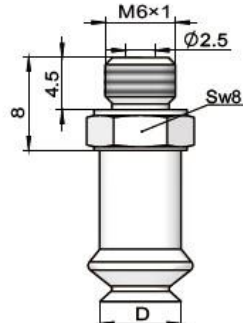
Model	Size (mm)				Weight g
	D	D1	d		
MP06B □	7	9.1	6		0.4
MP08B □	9	10.1	8		0.4

MP 10 to 50 B



Model	Size (mm)						Weight g
	H	D	D1	d	G	Z	
MP10B □	16	12	14	10	13	5.5	1.1
MP13B □	18.5	15	19	13	13	7.5	1.7
MP16B □	20	18	21	16	13	8.5	2.1
MP20B □	23.5	22	25	20	15	10.5	2.9
MP25B □	24	27	28	25	15	10.5	3.9
MP32B □	29	34	37	32	15	14	6.7
MP40B □	34	43	48	40	18	16	13.3
MP50B □	38	53	57	50	18	19	18.8

Type-B suction cup (φ6.0–φ8.0mm)—Vacuum port in vertical direction

MPT 06 to 08 B □ A5
(M5×0.8 male thread)MPT 06 to 08 B □ A6
(M6×1 male thread)

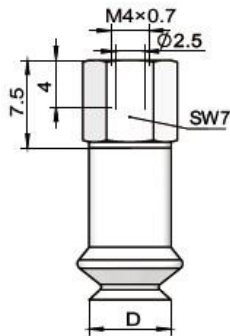
Model	Size (mm)		Applicable adapter model
	D		
MPT06B □ -A5(A6)	7		MPT1-A5(A6)
MPT08B □ -A5(A6)	9		MPT1-A5(A6)



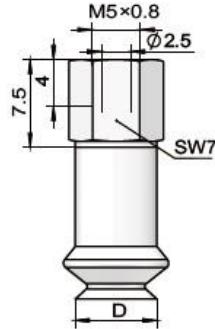
4 Design parameters of vacuum suction cup with adapter MP

Type-B suction cup ($\phi 6.0$ – $\phi 8.0$ mm)—Vacuum port in vertical direction

MPT 06 to 08 B □ B4
(M4×0.7 female thread)



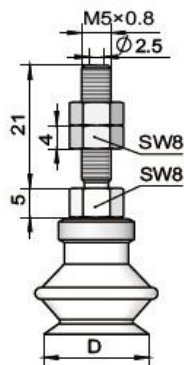
MPT 06 to 08 B □ B5
(M5×0.8 female thread)



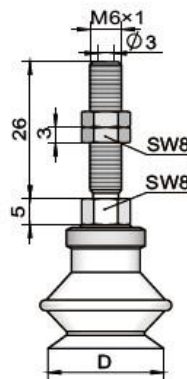
Model	Size (mm)		Applicable adapter model
		D	
MPT06B □ -B4(B5)		7	MPT1-B4(B5)
MPT08B □ -B4(B5)		9	MPT1-B4(B5)

Type-B suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in vertical direction

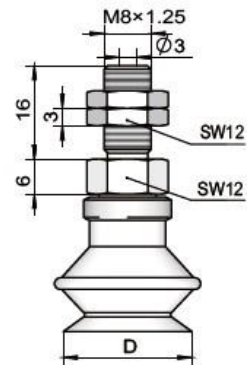
MPT 10 to 16 B □ A5
(M5×0.8 male thread)



MPT 10 to 50 B □ A6
(M6×1 male thread)



MPT 20 to 50 B □ A8
(M8×1.25 male thread)



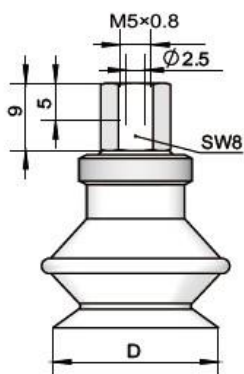
Model	Size (mm)		Applicable adapter model
		D	
MPT10B □ -A5(A6)		12	MPT2-A5(A6)
MPT13B □ -A5(A6)		15	MPT2-A5(A6)
MPT16B □ -A5(A6)		18	MPT2-A5(A6)
MPT20B □ -A6(A8)		23	MPT3-A6(A8)
MPT25B □ -A6(A8)		28	MPT3-A6(A8)
MPT32B □ -A6(A8)		35	MPT3-A6(A8)
MPT40B □ -A6(A8)		43	MPT4-A6(A8)
MPT50B □ -A6(A8)		53	MPT4-A6(A8)



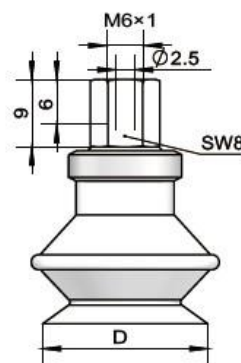
4 Design parameters of vacuum suction cup with adapter MP

Type-B suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in vertical direction

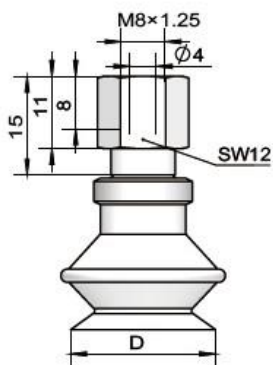
MPT 10 to 32 B □ B5
(M5×0.8 female thread)



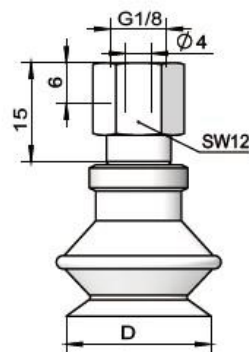
MPT 10 to 50 B □ B6
(M6×1 female thread)



MPT 20 to 50 B □ B8
(M8×1.25 female thread)



MPT 10 to 50 B □ B01
(G1/8 female thread)



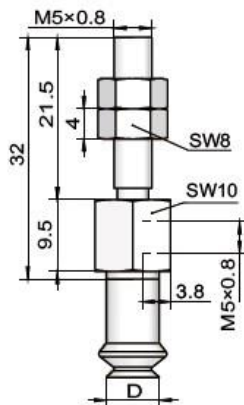
Model	Size (mm)		Applicable adapter model
		D	
MPT10B □ -B5(B6/B01)		12	MPT2-B5(B6/B01)
MPT13B □ -B5(B6/B01)		15	MPT2-B5(B6/B01)
MPT16B □ -B5(B6/B01)		18	MPT2-B5(B6/B01)
MPT20B □ -B5(B6/B8/B01)		23	MPT3-B5(B6/B8/B01)
MPT25B □ -B5(B6/B8/B01)		28	MPT3-B5(B6/B8/B01)
MPT32B □ -B5(B6/B8/B01)		35	MPT3-B5(B6/B8/B01)
MPT40B □ -B6(B8/B01)		43	MPT4-B6(B8/B01)
MPT50B □ -B6(B8/B01)		53	MPT4-B6(B8/B01)



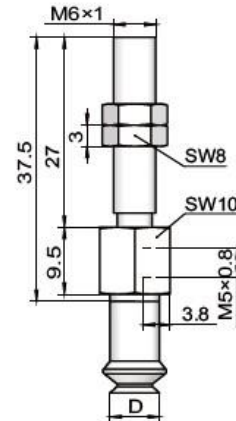
4 Design parameters of vacuum suction cup with adapter MP

Type-B suction cup ($\phi 6.0$ – $\phi 8.0$ mm)—Vacuum port in horizontal direction

MPY 06 to 08 B □ B5-A5
(M5×0.8 male thread)

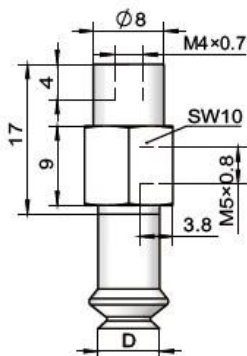


MPY 06 to 08 B □ B5-A6
(M6×1 male thread)

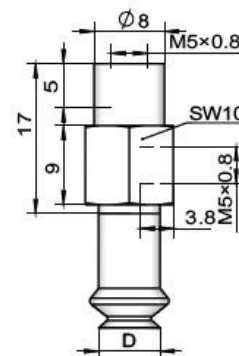


Model	Size (mm)		Applicable adapter model
		D	
MPY06B □-B5-A5(B5-A6)		7	MPY1-B5-A5(B5-A6)
MPY08B □-B5-A5(B5-A6)		9	MPY1-B5-A5(B5-A6)

MPY 06 to 08 B □ B5-B4
(M4×0.7 female thread)



MPY 06 to 08 B □ B5-B5
(M5×0.8 female thread)



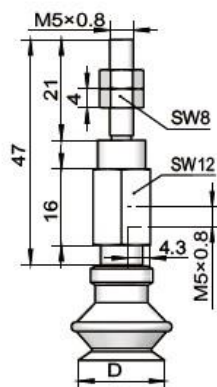
Model	Size (mm)		Applicable adapter model
		D	
MPY06B □-B5-B4(B5-B5)		7	MPY1-B5-B4(B5-B5)
MPY08B □-B5-B4(B5-B5)		9	MPY1-B5-B4(B5-B5)



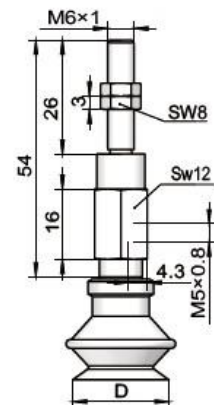
4 Design parameters of vacuum suction cup with adapter MP

Type-B suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in horizontal direction

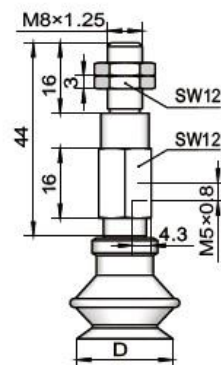
MPY 10 to 16 B □ B5-A5
(M5×0.8 male thread)



MPY 10 to 50 B □ B5-A6
(M6×1 male thread)

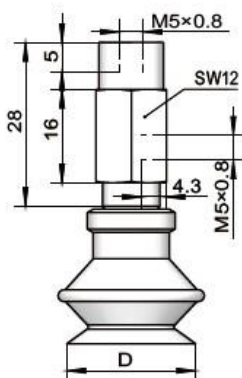


MPY 20 to 50 B □ B5-A8
(M8×1.25 male thread)

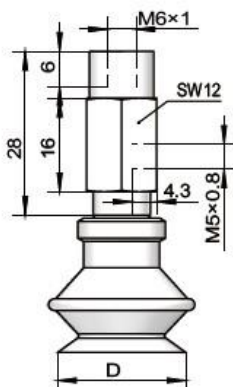


Model	Size (mm)		Applicable adapter model
		D	
MPY10B □-B5-A5(B5-A6)		12	MPY2-B5-A5(B5-A6)
MPY13B □-B5-A5(B5-A6)		15	MPY2-B5-A5(B5-A6)
MPY16B □-B5-A5(B5-A6)		18	MPY2-B5-A5(B5-A6)
MPY20B □-B5-A6(B5-A8)		23	MPY3-B5-A6(B5-A8)
MPY25B □-B5-A6(B5-A8)		28	MPY3-B5-A6(B5-A8)
MPY32B □-B5-A6(B5-A8)		35	MPY3-B5-A6(B5-A8)
MPY40B □-B5-A6(B5-A8)		43	MPY4-B5-A6(B5-A8)
MPY50B □-B5-A6(B5-A8)		53	MPY4-B5-A6(B5-A8)

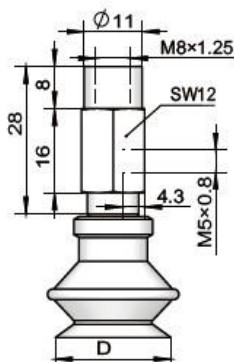
MPY 10 to 32 B □ B5-B5
(M5×0.8 female thread)



MPY 10 to 50 B □ B5-B6
(M6×1 female thread)



MPY 20 to 50 B □ B5-B8
(M8×1.25 female thread)



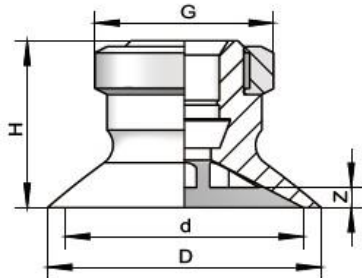
Model	Size (mm)		Applicable adapter model
		D	
MPY10B □-B5-B5(B5-B6)		12	MPY2-B5-B5(B5-B6)
MPY13B □-B5-B5(B5-B6)		15	MPY2-B5-B5(B5-B6)
MPY16B □-B5-B5(B5-B6)		18	MPY2-B5-B5(B5-B6)
MPY20B □-B5-B5(B5-B6/B5-B8)		23	MPY3-B5-B5(B5-B6/B5-B8)
MPY25B □-B5-B5(B5-B6/B5-B8)		28	MPY3-B5-B5(B5-B6/B5-B8)
MPY32B □-B5-B5(B5-B6/B5-B8)		35	MPY3-B5-B5(B5-B6/B5-B8)
MPY40B □-B5-B6(B5-B8)		43	MPY4-B5-B6(B5-B8)
MPY50B □-B5-B6(B5-B8)		53	MPY4-B5-B6(B5-B8)



4 Design parameters of vacuum suction cup with adapter MP

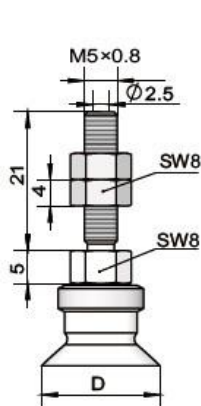
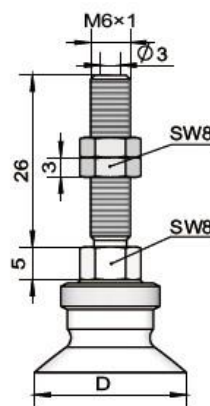
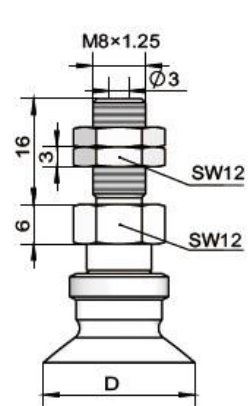
Size specification (mm)—Type-C suction cup

MPT 10 to 50 C



Model	Size [mm]					Weight g
	H	D	d	G	Z	
MP10C □	12	12	10	13	1.7	0.8
MP13C □	12	15	13	13	1.8	1
MP16C □	12.5	18	16	13	1.2	0.9
MP20C □	14	23	20	15	1.7	1.6
MP25C □	14	28	25	15	1.8	2.1
MP32C □	14.5	35	32	15	2.3	2.4
MP40C □	18.5	43	40	18	3.3	5.5
MP50C □	19.5	53	50	18	3.8	7.3

Type-C suction cup (φ10–φ50mm)—Vacuum port in vertical direction

MPT 10 to 16 C □ A5
(M5×0.8 male thread)MPT 10 to 50 C □ A6
(M6×1 male thread)MPT 20 to 50 C □ A8
(M8×1.25 male thread)

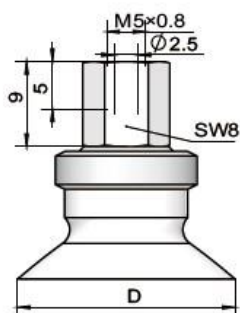
Model	Size (mm)		Applicable adapter model
		D	
MPT10C □ -A5(A6)		12	MPT2-A5(A6)
MPT13C □ -A5(A6)		15	MPT2-A5(A6)
MPT16C □ -A5(A6)		18	MPT2-A5(A6)
MPT20C □ -A6(A8)		23	MPT3-A6(A8)
MPT25C □ -A6(A8)		28	MPT3-A6(A8)
MPT32C □ -A6(A8)		35	MPT3-A6(A8)
MPT40C □ -A6(A8)		43	MPT4-A6(A8)
MPT50C □ -A6(A8)		53	MPT4-A6(A8)



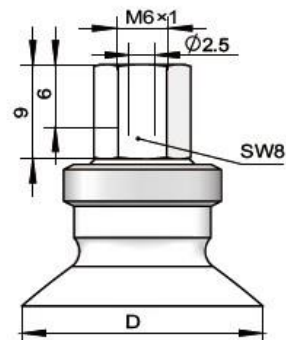
4 Design parameters of vacuum suction cup with adapter MP

Type-C suction cup($\phi 10$ – $\phi 50$ mm)—Vacuum port in vertical direction

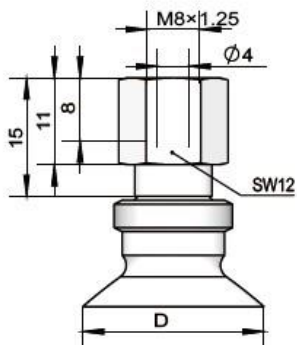
MPT 10 to 32 C □ B5
(M5×0.8 female thread)



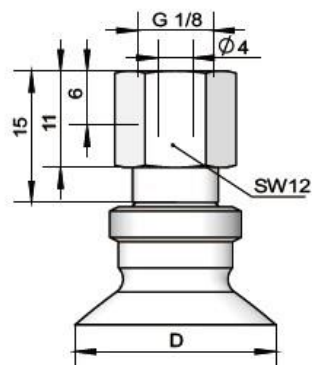
MPT 10 to 50 C □ B6
(M6×1 female thread)



MPT 20 to 50 C □ B8
(M8×1.25 female thread)



MPT 10 to 50 C □ B01
(G1/8 female thread)



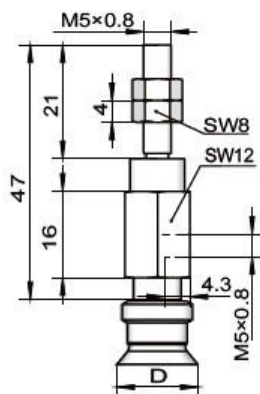
Model	Size (mm)		Applicable adapter model
		D	
MPT10C □ -B5(B6/B01)		12	MPT2-B5(B6/B01)
MPT13C □ -B5(B6/B01)		15	MPT2-B5(B6/B01)
MPT16C □ -B5(B6/B01)		18	MPT2-B5(B6/B01)
MPT20C □ -B5(B6/B8/B01)		23	MPT3-B5(B6/B8/B01)
MPT25C □ -B5(B6/B8/B01)		28	MPT3-B5(B6/B8/B01)
MPT32C □ -B5(B6/B8/B01)		35	MPT3-B5(B6/B8/B01)
MPT40C □ -B6(B8/B01)		43	MPT4-B6(B8/B01)
MPT50C □ -B6(B8/B01)		53	MPT4-B6(B8/B01)



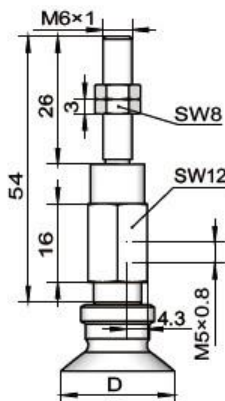
4 Design parameters of vacuum suction cup with adapter MP

Type-C suction cup ($\phi 10$ – $\phi 50$ mm)—Vacuum port in horizontal direction

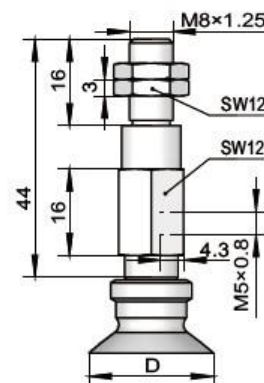
MPY 10 to 16 C □ B5-A5
(M5×0.8 male thread)



MPY 10 to 50 C □ B5-A6
(M6×1 male thread)

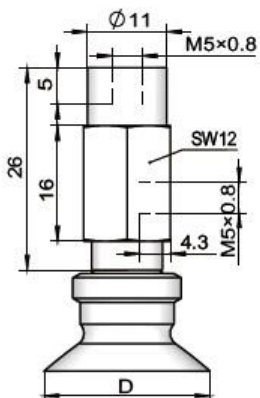


MPY 20 to 50 C □ B5-A8
(M8×1.25 male thread)

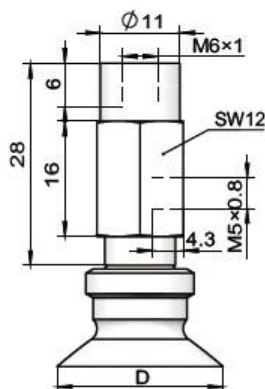


Model	Size (mm)		Applicable adapter model
		D	
MPY10C □ -B5-A5(B5-A6)		12	MPY2-B5-A5(B5-A6)
MPY13C □ -B5-A5(B5-A6)		15	MPY2-B5-A5(B5-A6)
MPY16C □ -B5-A5(B5-A6)		18	MPY2-B5-A5(B5-A6)
MPY20C □ -B5-A6(B5-A8)		23	MPY3-B5-A6(B5-A8)
MPY25C □ -B5-A6(B5-A8)		28	MPY3-B5-A6(B5-A8)
MPY32C □ -B5-A6(B5-A8)		35	MPY3-B5-A6(B5-A8)
MPY40C □ -B5-A6(B5-A8)		43	MPY4-B5-A6(B5-A8)
MPY50C □ -B5-A6(B5-A8)		53	MPY4-B5-A6(B5-A8)

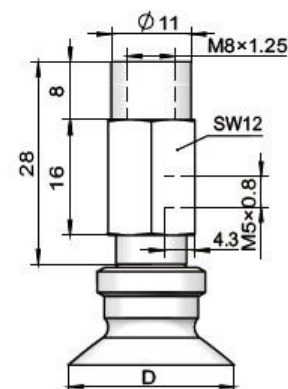
MPY 10 to 32 C □ B5-B5
(M5×0.8 female thread)



MPY 10 to 50 C □ B5-B6
(M6×1 female thread)



MPY 20 to 50 C □ B5-B8
(M8×1.25 female thread)



Model	Size (mm)		Applicable adapter model
		D	
MPY10C □ -B5-B5(B5-B6)		12	MPY2-B5-B5(B5-B6)
MPY13C □ -B5-B5(B5-B6)		15	MPY2-B5-B5(B5-B6)
MPY16C □ -B5-B5(B5-B6)		18	MPY2-B5-B5(B5-B6)
MPY20C □ -B5-B5(B5-B6/B5-B8)		23	MPY3-B5-B5(B5-B6/B5-B8)
MPY25C □ -B5-B5(B5-B6/B5-B8)		28	MPY3-B5-B5(B5-B6/B5-B8)
MPY32C □ -B5-B5(B5-B6/B5-B8)		35	MPY3-B5-B5(B5-B6/B5-B8)
MPY40C □ -B5-B6(B5-B8)		43	MPY4-B5-B6(B5-B8)
MPY50C □ -B5-B6(B5-B8)		53	MPY4-B5-B6(B5-B8)