


HOLDERS FOR MINI SUCTION CUP / MINI SUCTION CUPS

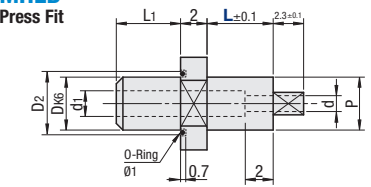
Tubes/Fittings/Suction Components/Nozzles

Holders for Mini Suction Cup



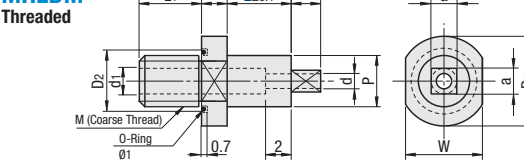
RoHS10

MHLD Press Fit

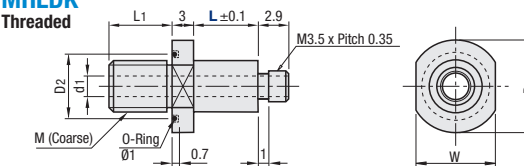


Material: Body: 303 Stainless Steel
O-Ring NBR Nitrile Rubber (JIS B2401 1 Type A)

MHLDM Threaded



MHLDK Threaded



Part Number Type	No.	L Selection	a Tolerance	M Coarse	D _{KB}	P	d	d ₁	L ₁	D ₁	D ₂	W
MHLD	1.7	5	1.7	M5	5	5	1.2	2	6	9	7	8
MHLDM	2.7			M6	6	6	2.3	3	8	10	8	9
MHLDK	5	15	—	M5	—	5	—	2	6	9	7	8
	6			M6	—	6	—	2	8	10	8	9

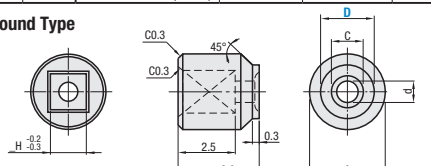
Part Number Example

Part Number - L
MHLDM1.7 - 10

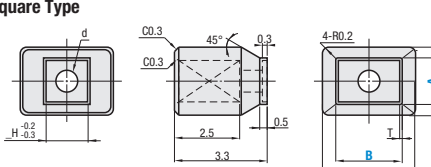
Mini Suction Cups

Type	Material	Hardness	Heat Resistance Temp.	Electrical Resistance
Round	Nitrile Rubber (Black)	Shore A80	-20~150°C	1.0x105Ω
Square	Silicon Rubber (Black)	Shore A60	-70~200°C	1.0x105Ω

Round Type



Square Type



ⓘ The photograph is enlarged.

Part Number Type	D	C	A	d	H	Applicable Holders	
Round Type RBTR SCTR	1	—	—	0.5	—	MHLDM	
	1.25	—	—	—	—		
	1.5	0.9	—	—	—		
	1.75	1.2	4	—	1.7		
	2	1.4	—	—	—		
	2.5	1.9	—	—	—		
	3	2.3	—	—	—		
Square Type RBTS SCTS	4	3.2	5	—	1.7	MHLDM	
	5	4.2	—	—	—		
	6	4.9	—	—	—		
	7	5.9	—	—	—		
	2	4	6	0.4	—		MHLDM
	2.5	5	4	—	—		
	3	6	—	—	—		
4	8	5	9	—			
5	10	6	10.5	0.5			
6	12	6.5	12.5	—			
7	14	7.5	14.5	—			

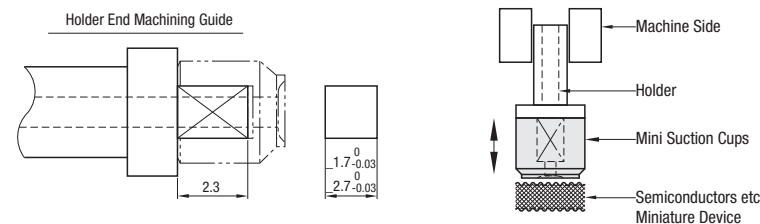
Part Number Example

Part Number - L
RBTR2
RBTS2.5 - 5

Application Example


What is Mini Suction Cup?

Design to pick up small objects. This can be used for vacuum of packaging equipment, as well as for manufacturing and inspection of semiconductors as with die holders and IC handlers.



VACUUM FITTINGS / SUCTION CUPS

Vacuum Fittings

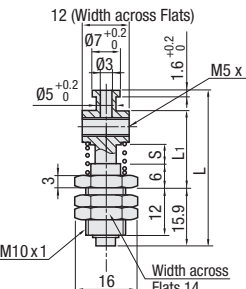


RoHS10

Type	Material			Surface Treatment	
	Body	Spring	Nuts	Body	Nuts
SRK	2011 Aluminum Alloy	Spring Steel (ASTM A228)	1018 Carbon Steel	Clear Anodizing	Trivalent Chromate

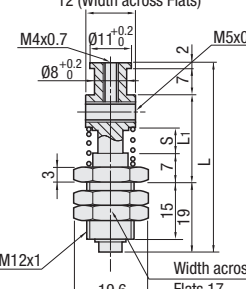
SRK10

1010
1015



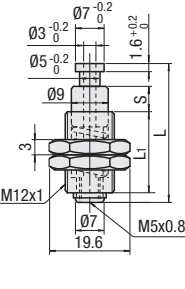
SRK20

2010
2015



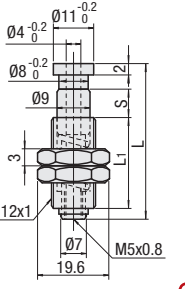
SRKN10

1010
1015



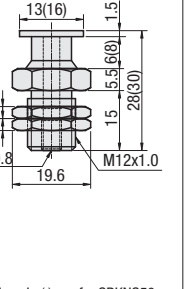
SRKN20

2010
2015



SRKNS40

50



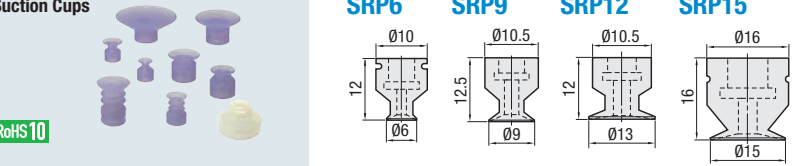
ⓘ Dimensions in () are for SRKNS50.

Part Number Type	No.	Stroke S	L	L ₁	Spring		Applicable Pad
					Spring Constant	Max. Load	
SRK	10	5	40	19	0.030 kgf	0.55 kgf	SRP6-12
	1010	10	45	24	0.025 kgf		SRPF12
	1015	15	50	29	0.020 kgf		SRP15-40
	20	5	48	20	0.037 kgf		
	2010	10	53	25	0.032 kgf		
2015	15	58	30	0.027 kgf	SRPF20		

Type	Part Number		Applicable Pads
	No.		
SRKNS	40		SRPS40
	50		SRPS50

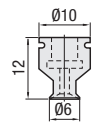
Part Number Type	No.	Stroke S	L	L ₁	Spring		Applicable Pads
					Spring Constant	Max. Load	
SRKN	10	5	35	22	0.030 kgf	0.55 kgf	SRP6-12
	1010	10	45	27	0.025 kgf		SRPF12
	1015	15	55	32	0.020 kgf		SRP15-40
	20	5	39	22	0.037 kgf		
	2010	10	49	27	0.032 kgf		
2015	15	59	32	0.027 kgf	SRPF20		

Suction Cups

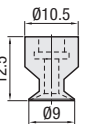


RoHS10

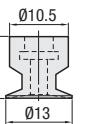
SRP6



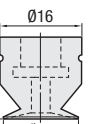
SRP9



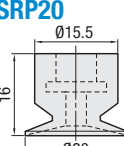
SRP12



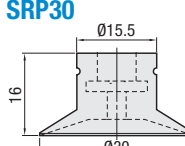
SRP15



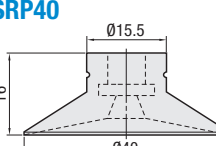
SRP20



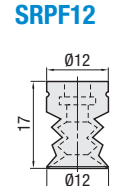
SRP30



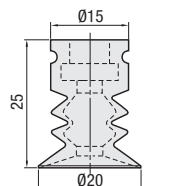
SRP40



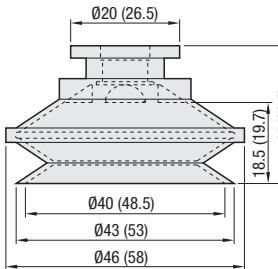
SRPF12



SRPF20



SRPS40 (50)

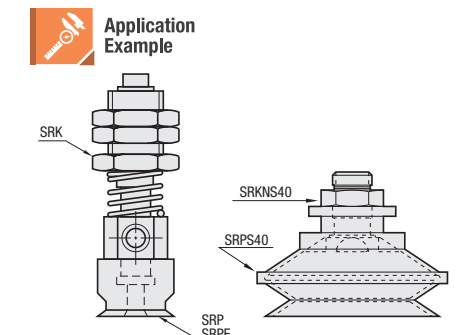


Type	Material	Color	Hardness
SRP SRPF SRPS	Silicon Rubber	Sky Blue Translucent	Shore A40 Shore A50

ⓘ Dimensions in () are for SRPS50.

Part Number Type	No.	Applicable Vacuum Fitting	Mounting
SRP	6	SRK10	Recessed Type
	9	SRK10	
	12	SRKN10	
	15	SRKN10	
SRPF	20	SRK20	Recessed Type
	30	SRKN20	
	40	SRKN20	
	20	SRKNS40	
SRPS	40	SRKNS40	Recessed Type
	50	SRKNS50	

ⓘ Not usable in combination with vacuum fittings on P.3544, 3546, 3548 and 3550.



Part Number Example

Part Number
SRK10
SRP30

Tubes/Fittings/Suction Components/Nozzles