

Holders for Mini Suction Cup / Mini Suction Cups

Holders for Mini Suction Cup

RoHS10

MHL
 Press Fit

MHLDM
 Threaded

MHLDK
 Threaded

⊕ MHLDK can be used with Vacuum Attachments in P.3555.

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

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

Part Number Example: **MHLDM1.7 - L 10**

Mini Suction Cups

RoHS10

⊕ The photograph is enlarged.

Type	Material	Hardness	Heat Resistance Temp.	Electrical Resistance
Round: RBTR, RBTS	Nitrile Rubber (Black)	Shore A80	-20~150°C	1.0x10 ⁵ Ω
Square: SCTR, SCTS	Silicon Rubber (Black)	Shore A60	-70~200°C	1.0x10 ⁵ Ω

Round Type

Square Type

Part Number Type	D	C	A	d	H	Applicable Holders
Round Type RBTR SCTR	1	—	—	0.5	1.7	MHLDM
	1.25	—	—	0.5		
	1.5	0.9	—	0.5		
	1.75	1.2	4	0.5	2.7	
	2	1.4	—	0.5		
	2.5	1.9	—	0.5		
	3	2.3	—	0.5		
4	3.2	5	0.5	2.7		
5	4.2	—	0.5			
6	4.9	—	0.5			
7	5.9	7	0.5			

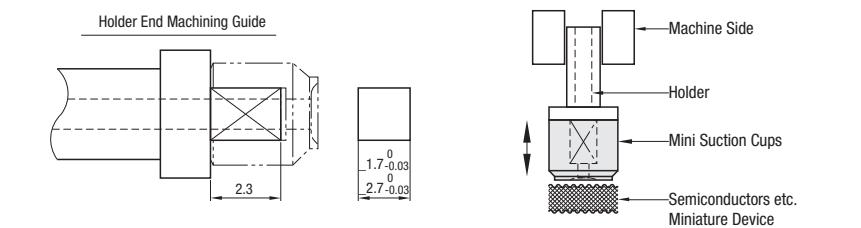
Part Number Type	A	B	X	Y	T	d	H	Applicable Holders	
Square Type RBTS SCTS	2	4	—	6	0.4	1	1.7	MHLDM	
	2.5	5	4	7	0.4				
	3	6	5	7	0.4				
	4	8	6	10.5	0.5	0.5			2.7
	5	10	6	12.5	0.5				
	6	12	6.5	12.5	0.5				
	7	14	7.5	14.5	0.5				

Part Number Example: **RBTR2 RBTS2.5 - L 5**

Application Example: **RBTR2 RBTS2.5 - L 5**

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	Nickel Plating

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	SRPF20
	20	5	48	20	0.037 kgf		
	2010	10	53	25	0.032 kgf		
2015	15	58	30	0.027 kgf	0.027 kgf	SRPF20	

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	SRPF20
	20	5	39	22	0.037 kgf		
	2010	10	49	27	0.032 kgf		
2015	15	59	32	0.027 kgf	0.027 kgf	SRPF20	

SRP6

SRP9

SRP12

SRP15

SRP20

SRP30

SRP40

SRPF12

SRPF20

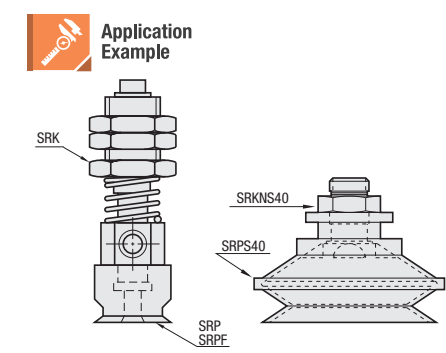
SRPS40 (50)

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 SRKN10 SRKN10_	
	12	SRK10 SRKN10 SRKN10_	
	15	SRK10 SRKN10 SRKN10_	
	20	SRK20 SRKN20 SRKN20_	
SRPF	30	SRK20 SRKN20 SRKN20_	
	40	SRK20 SRKN20 SRKN20_	
SRPS	40	SRKNS40	
	50	SRKNS50	

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



Part Number Example: **SRK10 SRP30**