

Swivel Cup

RoHS



The angle of the cup can be changed,
for workpieces whose surfaces are not horizontal!



Workpiece whose surface is oblique

Wide range of cup sizes.

$\phi 10$ $\phi 15$ $\phi 20$ $\phi 25$ $\phi 30$ $\phi 35$ $\phi 40$ $\phi 50$ $\phi 60$ $\phi 80$ $\phi 100$ $\phi 120$ $\phi 150$ $\phi 200$

Various fittings for many kinds of applications.

Fixed fitting



Spring fitting

Spring fitting with horizontal
level retention function

Suction Cup

 PUG	Cup size (mm) φ 10 ~ 200		P.461
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Fitting

Type	Applicable cup size (mm)	Stroke (mm)	Vacuum port	Piping · Connector	Page
Swivel cup PUGB 	φ 10 ~ 200	N/A	Top	For attachment to fitting	P.465
Cup with fixed fitting PUTKB 	φ 10 ~ 50	N/A	Top	Barb	P.469
	φ 60 ~ 200			Female screw	
Cup with fixed fitting PUYKB 	φ 10 ~ 50	N/A	Side	Barb	P.469
	φ 60 ~ 200			Female screw	
Cup with spring fitting NAPUTSB 	φ 10, 15	3, 10, 15	Top	Female screw Push-in Barb	P.473
	φ 20 ~ 50	6, 15, 30			
	φ 60 ~ 100	10, 30, 50		Female screw	
	φ 120 ~ 200	20, 50			
Cup with spring fitting NAPUYSB 	φ 10, 15	3, 10, 15	Side	Female screw Push-in Barb	P.473
	φ 20 ~ 50	6, 15, 30			
	φ 60 ~ 100	10, 30, 50		Female screw	
	φ 120 ~ 200	20, 50			
Cup with spring fitting with horizontal level retention function NAPUTSBR 	φ 60 ~ 100	10, 30, 50	Top	Female screw	P.479
	φ 120 ~ 200	20, 50			
Cup with spring fitting with horizontal level retention function NAPUYSBR 	φ 60 ~ 100	10, 30, 50	Side	Female screw	P.479
	φ 120 ~ 200	20, 50			

Suction Cup Selection Guide → P.163

PUG Swivel Cup

How to Order



PUG — 10 — N

①

②

① Cup Size (mm)

Symbol	Cup size	Symbol	Cup size
10	φ 10	50	φ 50
15	φ 15	60	φ 60
20	φ 20	80	φ 80
25	φ 25	100	φ 100
30	φ 30	120	φ 120
35	φ 35	150	φ 150
40	φ 40	200	φ 200

② Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

※Please consult with us for other material.

Cup Rubber Material Standard Specifications

Symbol	Material	Hardness (A/s)	Ambient temperature (°C)	Color
N	NBR(Nitrile rubber)	55	-26 ~ 120	Black
S	Silicone rubber	55	-60 ~ 250	Translucent white
U	Urethane rubber	55	-20 ~ 75	Blue
F	Fluorine rubber	70	-10 ~ 230	Black with white dot

Applicable Rubber Material Table

Material	Color	Symbol	Round type													
			10	15	20	25	30	35	40	50	60	80	100	120	150	200
NBR(Nitrile rubber)	Black	N	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Silicone rubber	Translucent white	S	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Urethane rubber	Blue	U	●	●	●	●	●	●	●	●	○	○	○	○	○	○
Fluorine rubber	Black with white dot	F	●	●	●	●	●	●	●	●	○	○	○	○	○	○

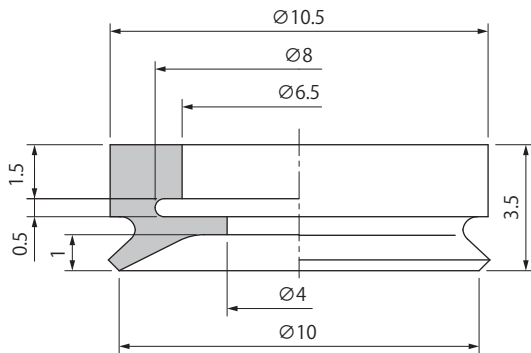
● : In stock ○ : Made to order × : None

※Please consult with us for other material.

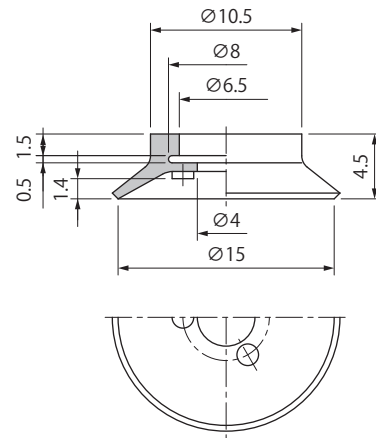
Dimensions

(mm)

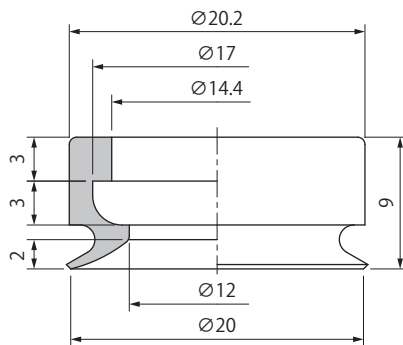
PUG-10



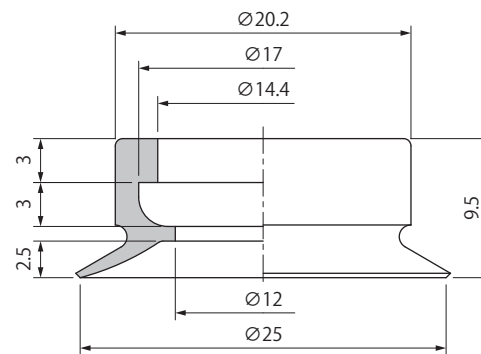
PUG-15



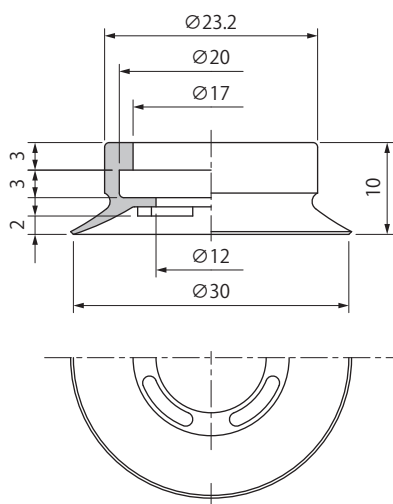
PUG-20



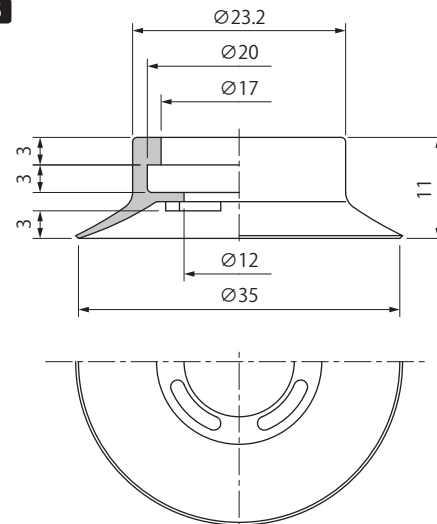
PUG-25



PUG-30



PUG-35



Weight

(g)

Model \ Material	N	S	U	F
PUG-10	0.2	0.2	0.2	0.3
PUG-15	0.3	0.3	0.4	0.5
PUG-20	1.3	1.3	1.4	2.1
PUG-25	1.5	1.5	1.6	2.4
PUG-30	1.9	1.9	2.0	3.1
PUG-35	2.3	2.3	2.5	3.7

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

02

Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

PW

RA

SM

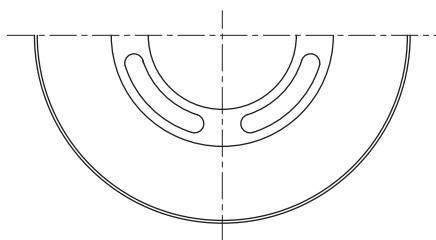
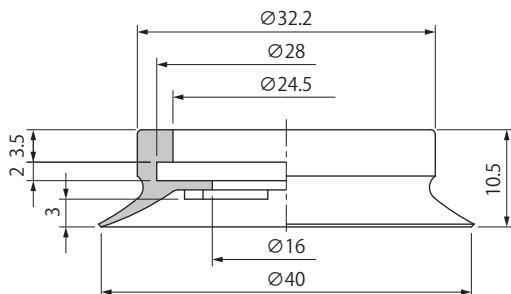
TN

PUG Swivel Cup

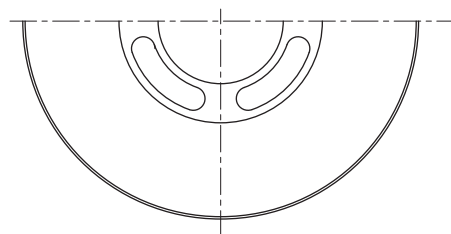
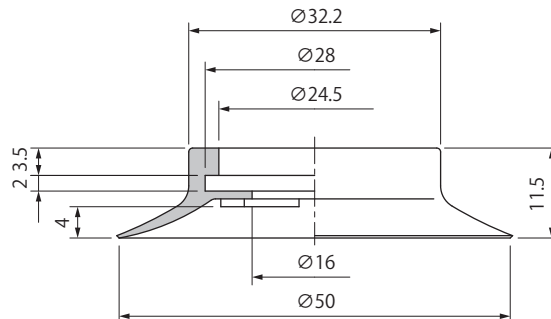
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(mm)

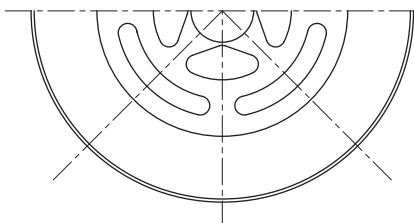
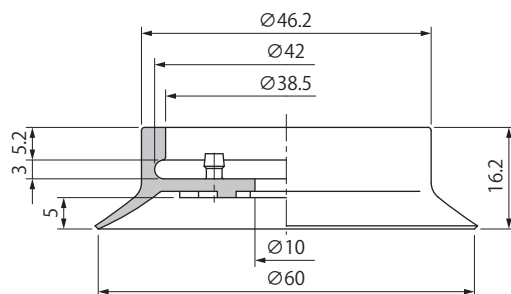
PUG-40



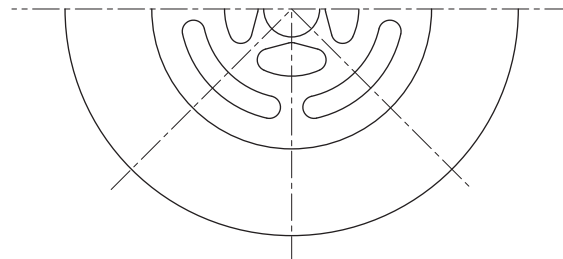
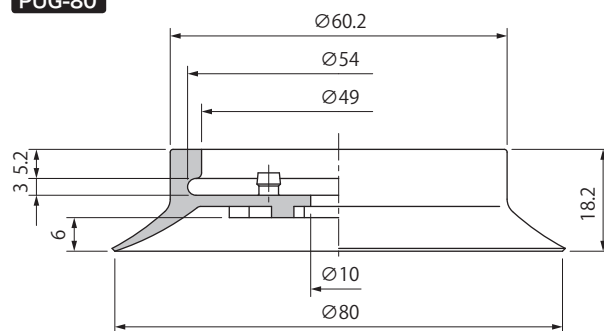
PUG-50



PUG-60



PUG-80



Weight

(g)

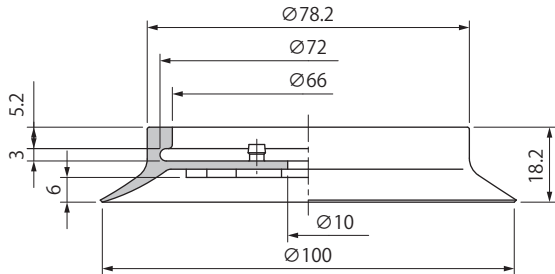
Model \ Material	N	S	U	F
PUG-40	3.7	3.7	3.9	6.0
PUG-50	5.0	5.0	5.3	8.0
PUG-60	11.8	11.8	12.4	18.9
PUG-80	23	23	24.2	36.8

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

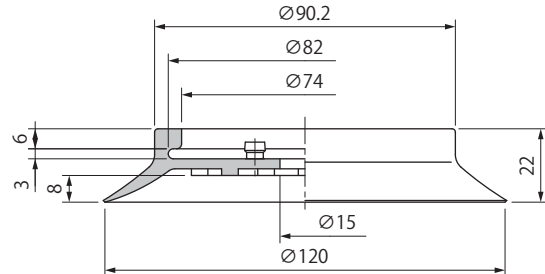
Dimensions

(mm)

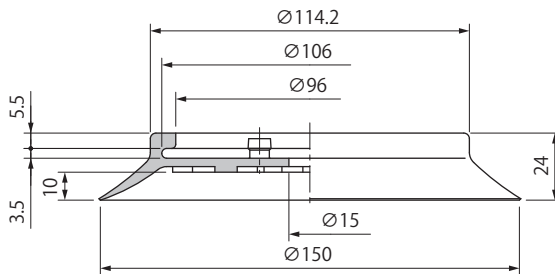
PUG-100



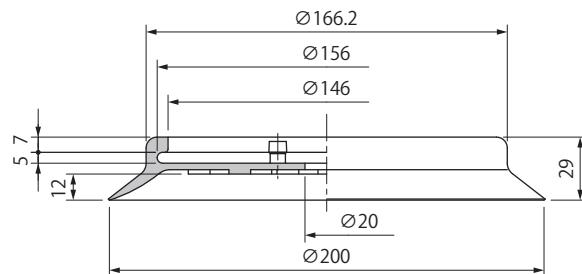
PUG-120



PUG-150



PUG-200



Weight

(g)

Model \ Material	N	S	U	F
PUG-100	37.6	37.6	39.5	60.2
PUG-120	68.0	68.0	71.4	108.8
PUG-150	105.0	105.0	110.3	168.0
PUG-200	210.0	210.0	220.5	336.0

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

PUGB Swivel Cup

How to Order



PUGB — 10 — N

①

②

① Cup Size (mm)

Symbol	Cup size	Symbol	Cup size
10	φ 10	50	φ 50
15	φ 15	60	φ 60
20	φ 20	80	φ 80
25	φ 25	100	φ 100
30	φ 30	120*	φ 120
35	φ 35	150*	φ 150
40	φ 40	200*	φ 200

※★ are made to order.

② Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

※Please consult with us for other material.

02

Suction Cup

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PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

PW

RA

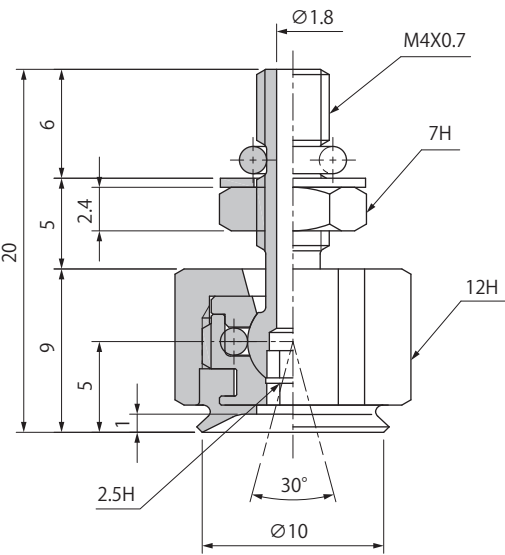
SM

TN

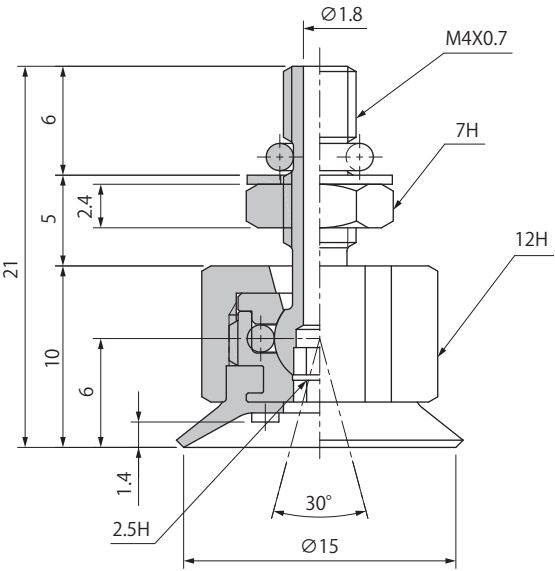
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(mm)

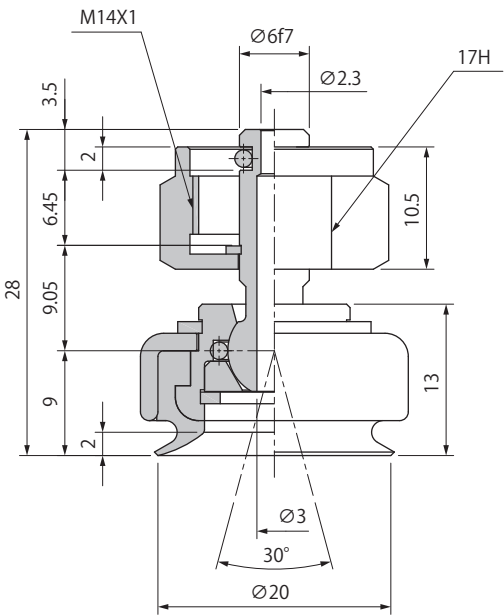
PUGB-10



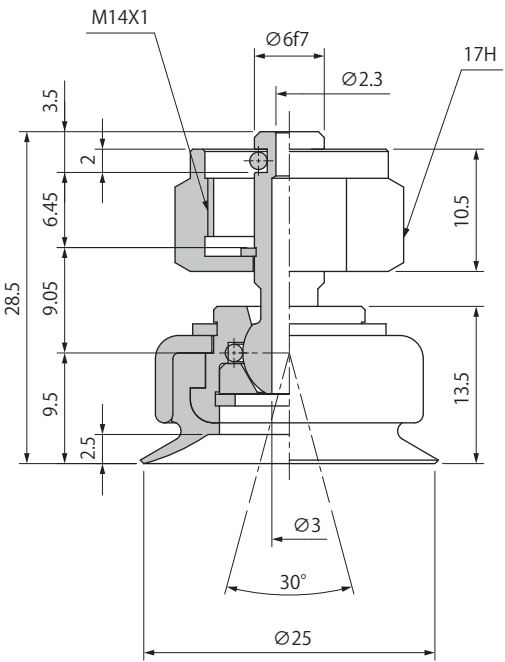
PUGB-15



PUGB-20



PUGB-25



Suction Cup Swivel Cup

02
Suction Cup

PA

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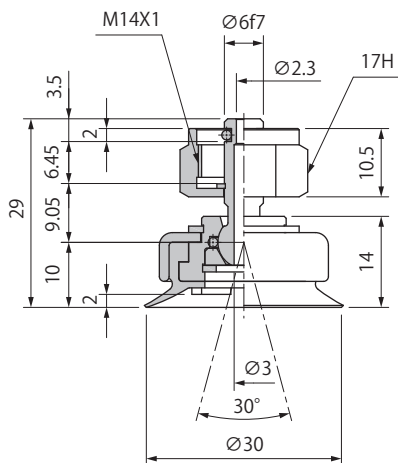
TN

PUGB Swivel Cup

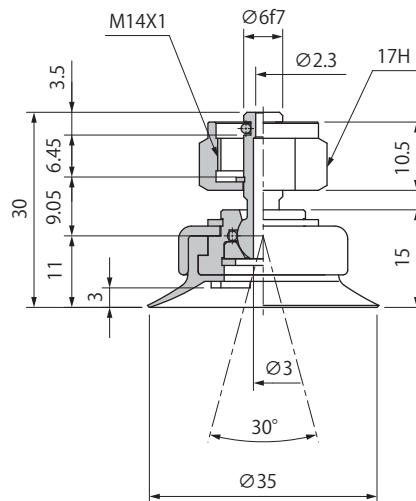
Dimensions

(mm)

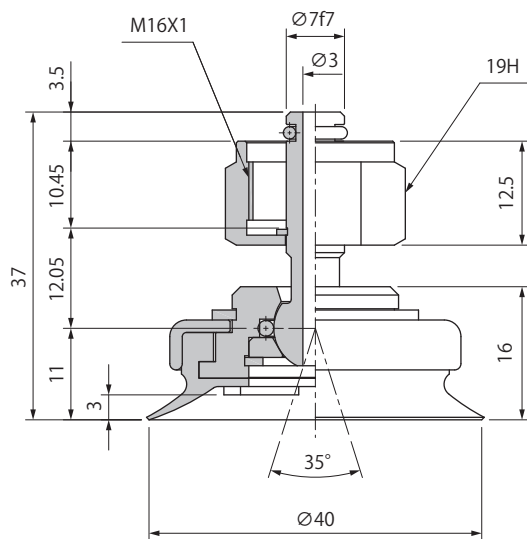
PUGB-30



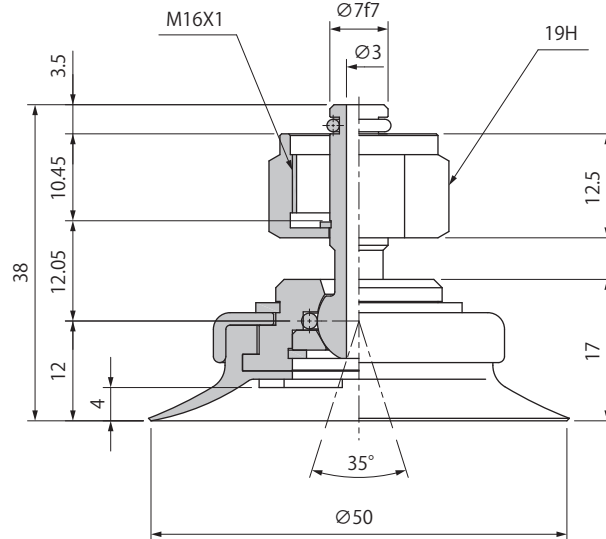
PUGB-35



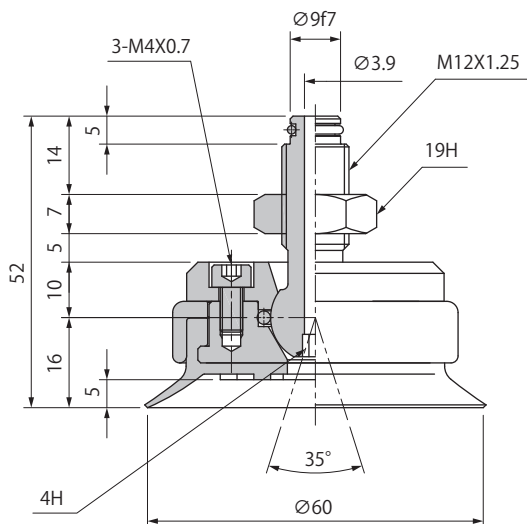
PUGB-40



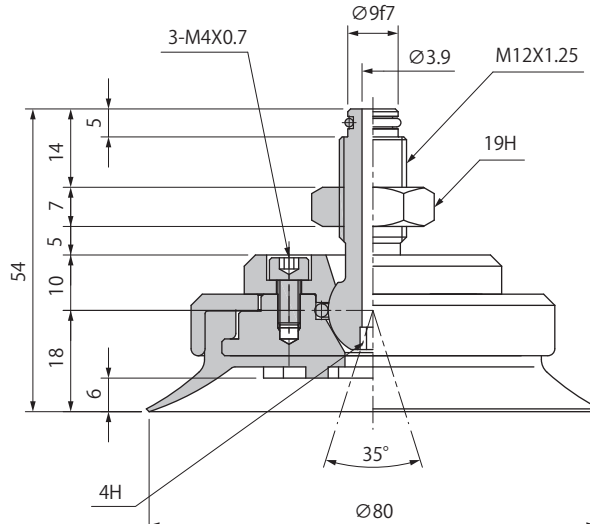
PUGB-50



PUGB-60



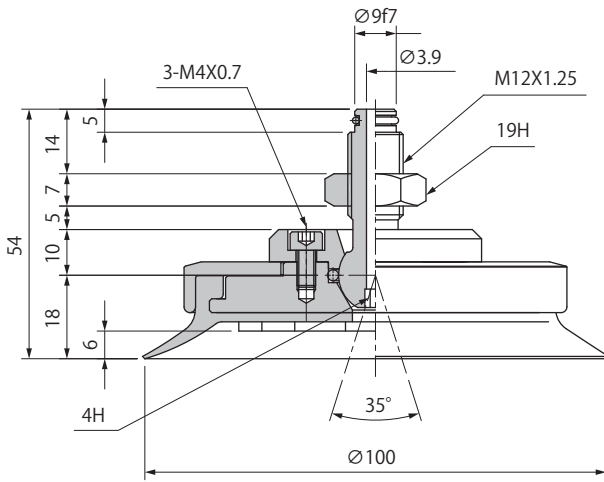
PUGB-80



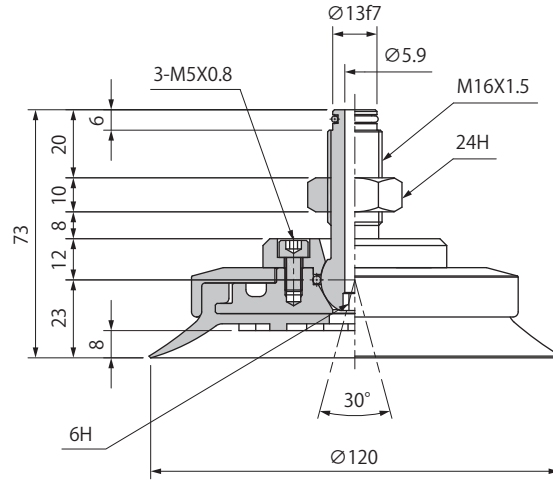
Dimensions

(mm)

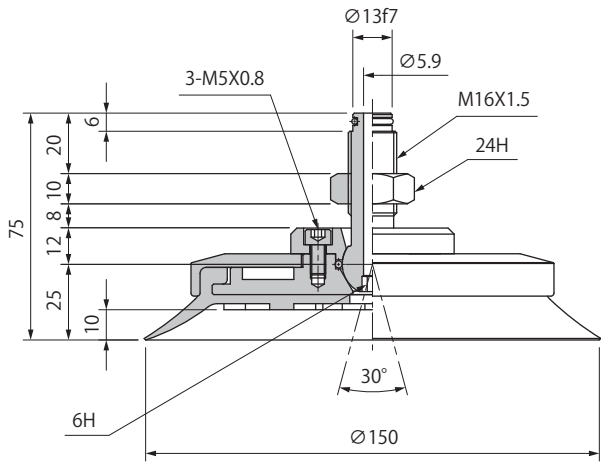
PUGB-100



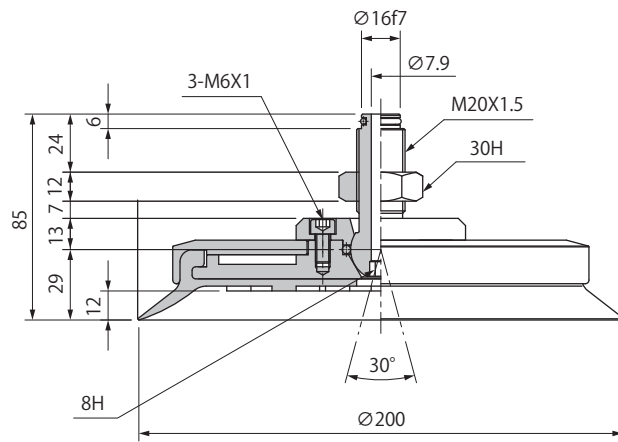
PUGB-120



PUGB-150



PUGB-200



PUTKB·YKB Cup with Fixed Fitting

How to Order

PU **T** KB — **10** — **N**

① Vacuum Port

T	Top
Y	Side

② Cup Size (mm)

Symbol	Cup size	Symbol	Cup size
10	φ 10	50	φ 50
15	φ 15	60	φ 60
20	φ 20	80	φ 80
25	φ 25	100	φ 100
30	φ 30	120*	φ 120
35	φ 35	150*	φ 150
40	φ 40	200*	φ 200

※★ are made to order.

③ Cup Rubber Material

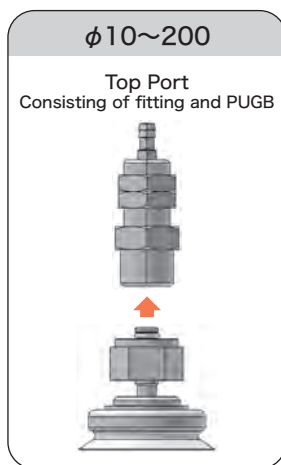
Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

※Please consult with us for other material.



Combination Table

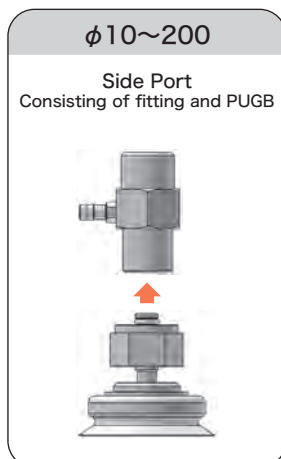
Top Port



Model number	PUGB model number	Fitting	Piping specifications	
PUTKB-10-□	PUGB-10-□	PUTKB-10-K	Barb	φ6 X 4
PUTKB-15-□	PUGB-15-□			
PUTKB-20-□	PUGB-20-□	PUTKB-20-K		
PUTKB-25-□	PUGB-25-□			
PUTKB-30-□	PUGB-30-□			
PUTKB-35-□	PUGB-35-□			
PUTKB-40-□	PUGB-40-□	PUTKB-40-K	Rc1/8 (Female)	
PUTKB-50-□	PUGB-50-□			
PUTKB-60-□	PUGB-60-□	PUTKB-60-K		
PUTKB-80-□	PUGB-80-□		Rc1/4 (Female)	
PUTKB-100-□	PUGB-100-□			
PUTKB-120-□	PUGB-120-□	PUTKB-120-K	Rc3/8 (Female)	
PUTKB-150-□	PUGB-150-□			
PUTKB-200-□	PUGB-200-□	PUTKB-200-K		

※□ in the table indicates the cup material.

Side Port



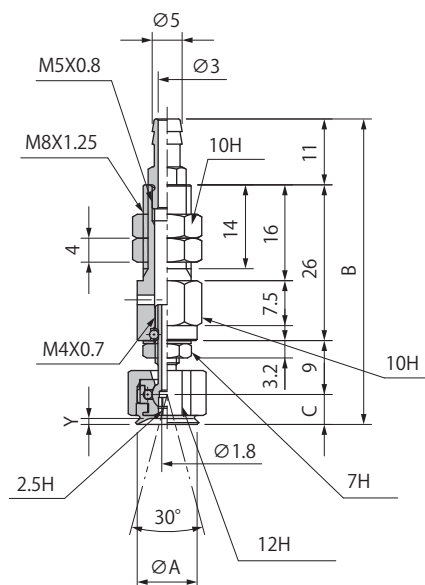
Model number	PUGB model number	Fitting	Piping specifications	
PUYKB-10-□	PUGB-10-□	PUYKB-10-K	Barb	φ6 X 4
PUYKB-15-□	PUGB-15-□			
PUYKB-20-□	PUGB-20-□	PUYKB-20-K		
PUYKB-25-□	PUGB-25-□			
PUYKB-30-□	PUGB-30-□			
PUYKB-35-□	PUGB-35-□			
PUYKB-40-□	PUGB-40-□	PUYKB-40-K	Rc1/8 (Female)	
PUYKB-50-□	PUGB-50-□			
PUYKB-60-□	PUGB-60-□	PUYKB-60-K		
PUYKB-80-□	PUGB-80-□		Rc1/4 (Female)	
PUYKB-100-□	PUGB-100-□			
PUYKB-120-□	PUGB-120-□	PUYKB-120-K	Rc3/8 (Female)	
PUYKB-150-□	PUGB-150-□			
PUYKB-200-□	PUGB-200-□	PUYKB-200-K		

※□ in the table indicates the cup material.

Dimensions

(mm)

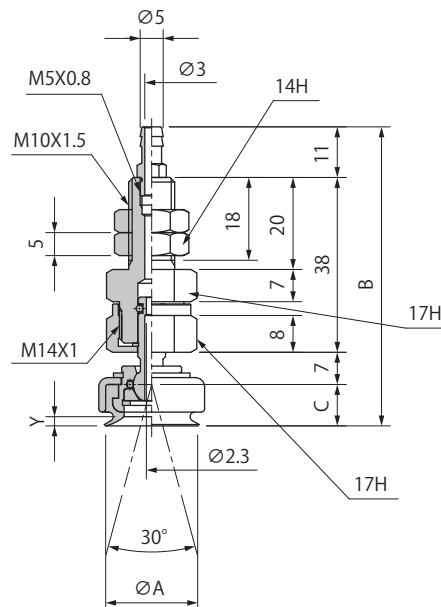
Top Port PUTKB-10 / 15



Model number	A	B	C	Y	Weight (g)
PUTKB-10-□	10	51	5	1	20
PUTKB-15-□	15	52	6	1.4	

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

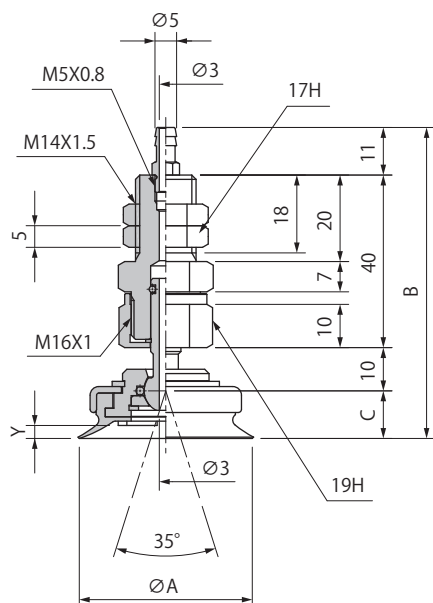
Top Port PUTKB-20 / 25 / 30 / 35



Model number	A	B	C	Y	Weight (g)
PUTKB-20-□	20	65	9	2	66
PUTKB-25-□	25	65.5	9.5	2.5	
PUTKB-30-□	30	66	10	2	71
PUTKB-35-□	35	67	11	3	

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

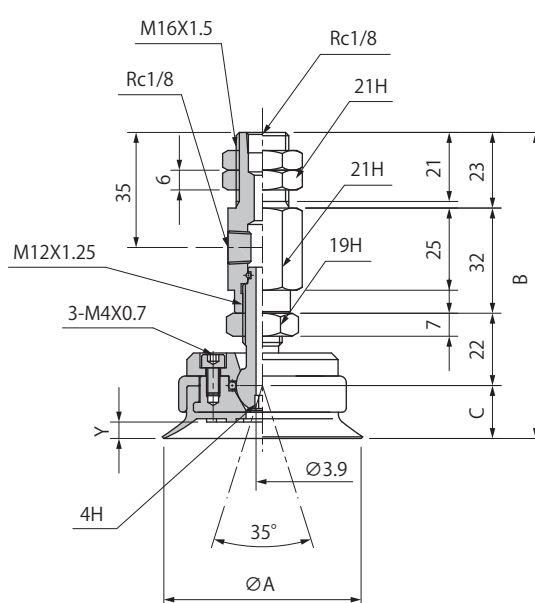
Top Port PUTKB-40 / 50



Model number	A	B	C	Y	Weight (g)
PUTKB-40-□	40	72	11	3	118
PUTKB-50-□	50	73	12	4	121

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

Top Port PUTKB-60 / 80 / 100



Model number	A	B	C	Y	Weight (g)
PUTKB-60-□	60	93	16	5	352
PUTKB-80-□	80	95	18	6	444
PUTKB-100-□	100		18	6	568

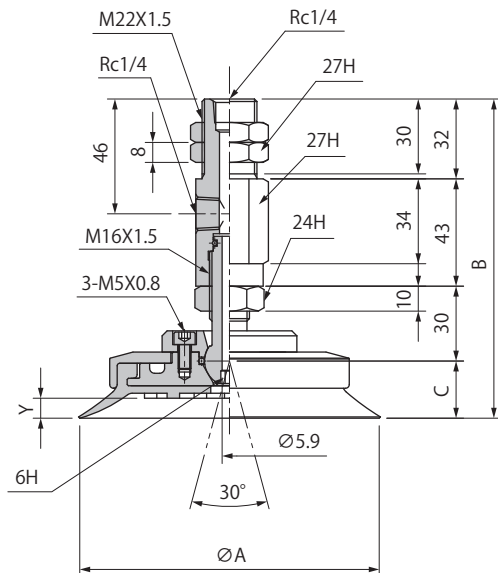
※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

PUTKB·YKB Cup with Fixed Fitting

Dimensions

(mm)

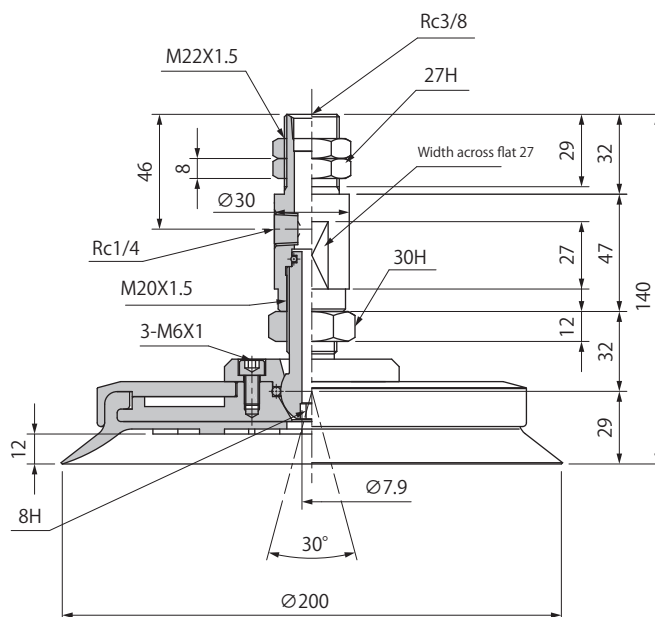
Top Port PUTKB-120 / 150



Model number	A	B	C	Y	Weight (g)
PUTKB-120-□	120	128	23	8	963
PUTKB-150-□	150	130	25	10	1170

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

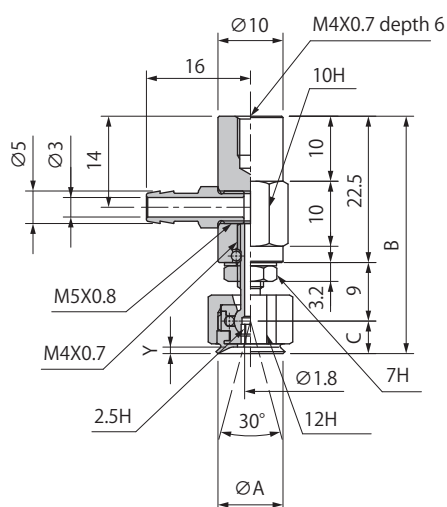
Top Port PUTKB-200



Model number	Weight (g)
PUTKB-200-□	2340

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

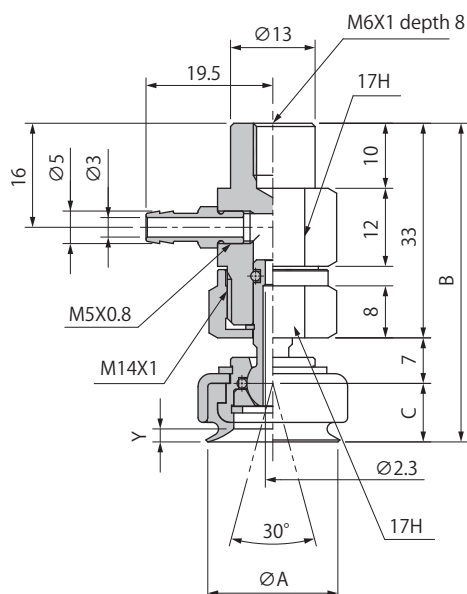
Side Port PUYKB-10 / 15



Model number	A	B	C	Y	Weight (g)
PUYKB-10-□	10	36.5	5	1	20
PUYKB-15-□	15	37.5	6	1.4	

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

Side Port PUYKB-20 / 25 / 30 / 35



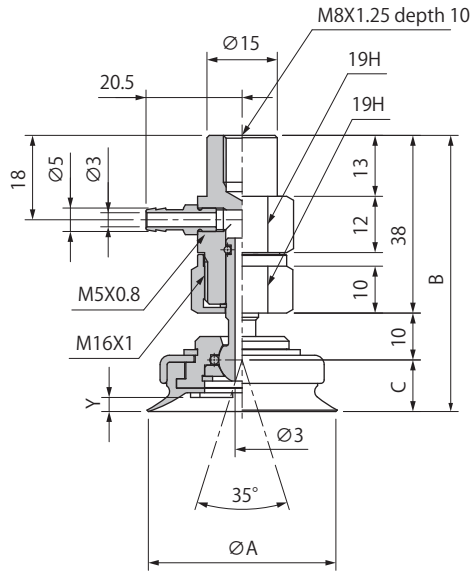
Model number	A	B	C	Y	Weight (g)
PUYKB-20-□	20	49	9	2	67
PUYKB-25-□	25	49.5	9.5	2.5	
PUYKB-30-□	30	50	10	2	73
PUYKB-35-□	35	51	11	3	

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

Dimensions

(mm)

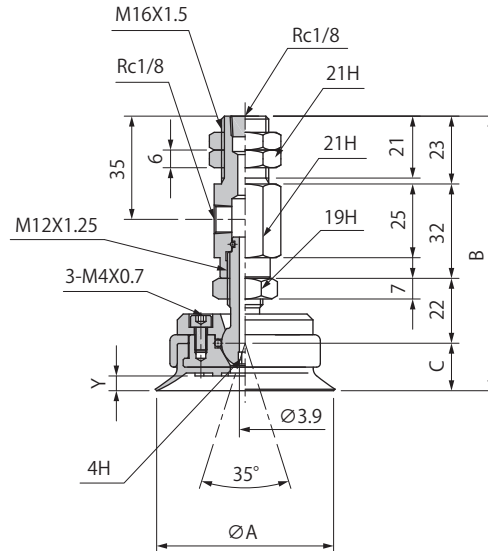
Side Port PUYKB-40 / 50



Model number	A	B	C	Y	Weight (g)
PUYKB-40-□	40	59	11	3	116
PUTKB-50-□	50	60	12	4	117

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

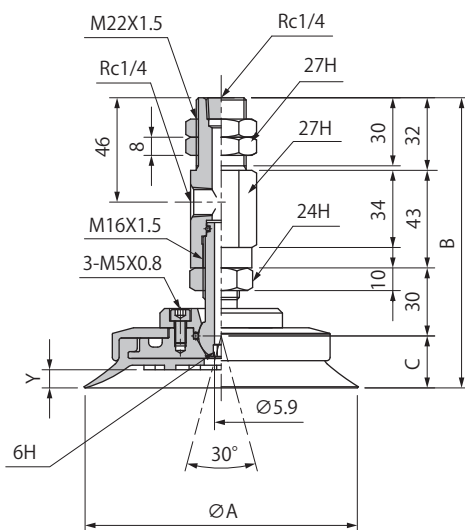
Side Port PUYKB-60 / 80 / 100



Model number	A	B	C	Y	Weight (g)
PUYKB-60-□	60	93	16	5	352
PUYKB-80-□	80	95	18	6	444
PUYKB-100-□	100				568

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

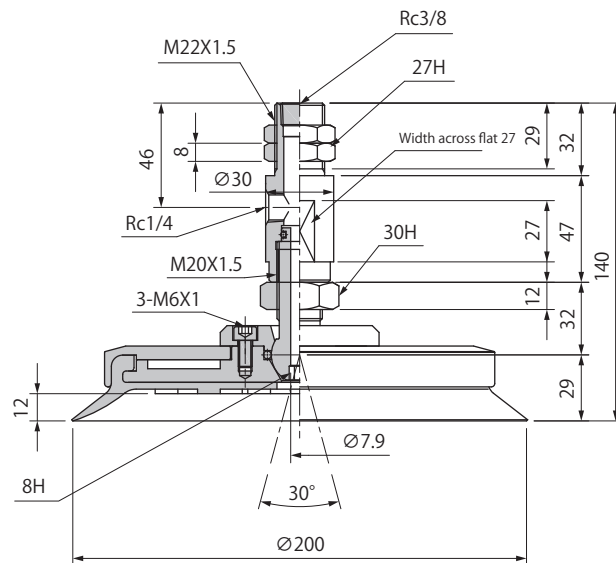
Side Port PUYKB-120 / 150



Model number	A	B	C	Y	Weight (g)
PUYKB-120-□	120	128	23	8	963
PUYKB-150-□	150	130	25	10	1170

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

Side Port PUYKB-200



Model number	Weight (g)
PUYKB-200-□	2340

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

02
Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

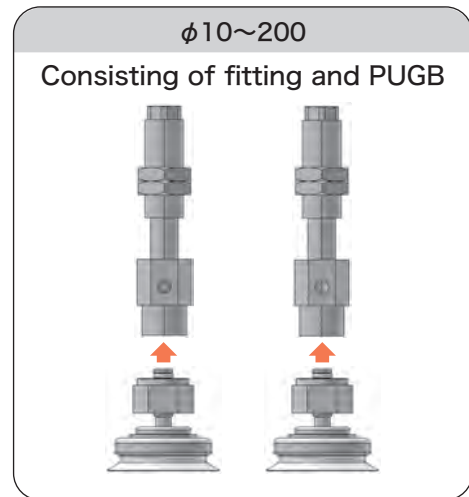
PW

RA

SM

TN

NAPUTSB·YSB Cup with Spring Fitting



How to Order

NAPU **T** SB — **10-3** — **N** — **T**

① Vacuum port

T	Top
Y	Side

② Cup Size-Stroke (mm)

Symbol	Cup size Stroke	Symbol	Cup size Stroke	Symbol	Cup size Stroke
10-3	φ 10-3	35-6	φ 35-6	80-10	φ 80-10
10-10	φ 10-10	35-15	φ 35-15	80-30	φ 80-30
10-15	φ 10-15	35-30	φ 35-30	80-50	φ 80-50
15-3	φ 15-3	40-6	φ 40-6	100-10	φ 100-10
15-10	φ 15-10	40-15	φ 40-15	100-30	φ 100-30
15-15	φ 15-15	40-30	φ 40-30	100-50	φ 100-50
20-6	φ 20-6	50-6	φ 50-6	120-20	φ 120-20
20-15	φ 20-15	50-15	φ 50-15	120-50	φ 120-50
20-30	φ 20-30	50-30	φ 50-30	150-20	φ 150-20
25-6	φ 25-6	60-10	φ 60-10	150-50	φ 150-50
25-15	φ 25-15	60-30	φ 60-30	200-20	φ 200-20
25-30	φ 25-30	60-50	φ 60-50	200-50	φ 200-50
30-6	φ 30-6				
30-15	φ 30-15				
30-30	φ 30-30				

④ Connector

Blank	N/A
T	Barb
O	Push-in

※ φ 60 or more can not be selected "T" and "O".

③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

※ Please consult with us for other material.

Spring Specifications

Cup size	Unit	φ10, 15			φ20~50			φ60~φ100			φ120-200	
Stroke	mm	3	10	15	6	15	30	10	30	50	20	50
Spring load at 0 stroke	N	0.61		0.64	2.45		2.9	8.82	6.76	8.33	15.6	14.7
Spring load at full stroke	N	0.77	1.17		3.43	4.9	5.88	11.8	15.6	19.6	29.4	

Combination Table

Model number	PUGB model number	Fitting	Piping specifications		
			Without connector · Blank	Barb connector · T	Push-in connector · O
NAPU○SB-10-3-□ (-T/O)	PUGB-10-□	NAPU○SB-10-3-K (-T/O)	M5X0.8 (Female)	φ 6X4	
NAPU○SB-10-10-□ (-T/O)		NAPU○SB-10-10-K (-T/O)			
NAPU○SB-10-15-□ (-T/O)		NAPU○SB-10-15-K (-T/O)			
NAPU○SB-15-3-□ (-T/O)	PUGB-15-□	NAPU○SB-10-3-K (-T/O)			
NAPU○SB-15-10-□ (-T/O)		NAPU○SB-10-10-K (-T/O)			
NAPU○SB-15-15-□ (-T/O)		NAPU○SB-10-15-K (-T/O)			
NAPU○SB-20-6-□ (-T/O)	PUGB-20-□	NAPU○SB-20-6-K (-T/O)			
NAPU○SB-20-15-□ (-T/O)		NAPU○SB-20-15-K (-T/O)			
NAPU○SB-20-30-□ (-T/O)		NAPU○SB-20-30-K (-T/O)			
NAPU○SB-25-6-□ (-T/O)	PUGB-25-□	NAPU○SB-20-6-K (-T/O)			
NAPU○SB-25-15-□ (-T/O)		NAPU○SB-20-15-K (-T/O)			
NAPU○SB-25-30-□ (-T/O)		NAPU○SB-20-30-K (-T/O)			
NAPU○SB-30-6-□ (-T/O)	PUGB-30-□	NAPU○SB-20-6-K (-T/O)			
NAPU○SB-30-15-□ (-T/O)		NAPU○SB-20-15-K (-T/O)			
NAPU○SB-30-30-□ (-T/O)		NAPU○SB-20-30-K (-T/O)			
NAPU○SB-35-6-□ (-T/O)	PUGB-35-□	NAPU○SB-20-6-K (-T/O)			
NAPU○SB-35-15-□ (-T/O)		NAPU○SB-20-15-K (-T/O)			
NAPU○SB-35-30-□ (-T/O)		NAPU○SB-20-30-K (-T/O)			
NAPU○SB-40-6-□ (-T/O)	PUGB-40-□	NAPU○SB-40-6-K (-T/O)			
NAPU○SB-40-15-□ (-T/O)		NAPU○SB-40-15-K (-T/O)			
NAPU○SB-40-30-□ (-T/O)		NAPU○SB-40-30-K (-T/O)			
NAPU○SB-50-6-□ (-T/O)	PUGB-50-□	NAPU○SB-40-6-K (-T/O)			
NAPU○SB-50-15-□ (-T/O)		NAPU○SB-40-15-K (-T/O)			
NAPU○SB-50-30-□ (-T/O)		NAPU○SB-40-30-K (-T/O)			
NAPU○SB-60-10-□	PUGB-60-□	NAPU○SB-60-10-K	Rc1/8 (Female)	-	
NAPU○SB-60-30-□		NAPU○SB-60-30-K			
NAPU○SB-60-50-□		NAPU○SB-60-50-K			
NAPU○SB-80-10-□	PUGB-80-□	NAPU○SB-60-10-K			
NAPU○SB-80-30-□		NAPU○SB-60-30-K			
NAPU○SB-80-50-□		NAPU○SB-60-50-K			
NAPU○SB-100-10-□	PUGB-100-□	NAPU○SB-60-10-K			
NAPU○SB-100-30-□		NAPU○SB-60-30-K			
NAPU○SB-100-50-□		NAPU○SB-60-50-K			
NAPU○SB-120-20-□	PUGB-120-□	NAPU○SB-120-20-K	Rc1/4 (Female)	-	
NAPU○SB-120-50-□		NAPU○SB-120-50-K			
NAPU○SB-150-20-□	PUGB-150-□	NAPU○SB-120-20-K			
NAPU○SB-150-50-□		NAPU○SB-120-50-K			
NAPU○SB-200-20-□	PUGB-200-□	NAPU○SB-200-20-K			
NAPU○SB-200-50-□		NAPU○SB-200-50-K			

※□ in the table indicates the cup material.

※○ in the table indicates the vacuum port (T or Y).

02
Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

PW

RA

SM

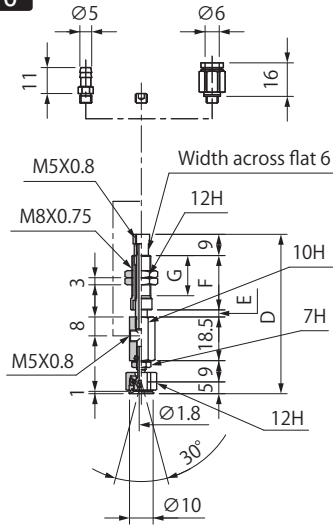
TN

NAPUTSB·YSB Cup with Spring Fitting

Dimensions

(mm)

NAPUT/YSB-10

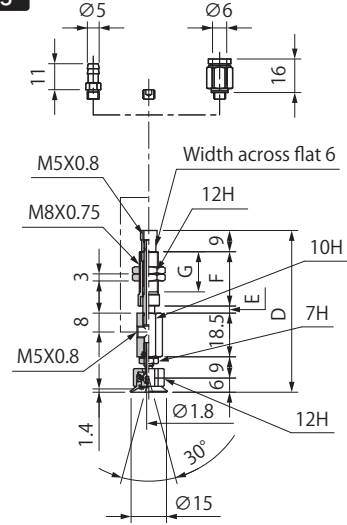


Model number	D	E	F	G	Weight(g)
NAPUT/YSB-10-3-□ (-T/O)	67.5	3	23	17	25
NAPUT/YSB-10-10-□ (-T/O)	74.5	10			25.5
NAPUT/YSB-10-15-□ (-T/O)	87	15	30.5	24.5	28

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-15

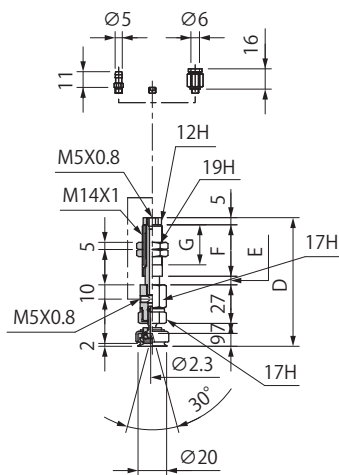


Model number	D	E	F	G	Weight(g)
NAPUT/YSB-15-3-□ (-T/O)	68.5	3	23	17	25
NAPUT/YSB-15-10-□ (-T/O)	75.5	10			25.5
NAPUT/YSB-15-15-□ (-T/O)	88	15	30.5	24.5	28

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-20

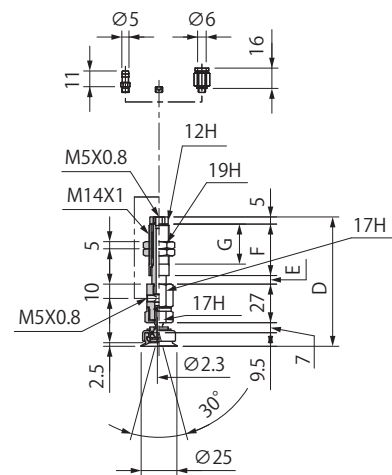


Model number	D	E	F	G	Weight(g)
NAPUT/YSB-20-6-□ (-T/O)	90	6	36	28	88.5
NAPUT/YSB-20-15-□ (-T/O)	99	15			93.5
NAPUT/YSB-20-30-□ (-T/O)	136	30	58	50	118.5

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-25



Model number	D	E	F	G	Weight(g)
NAPUT/YSB-25-6-□ (-T/O)	90.5	6	36	28	88.5
NAPUT/YSB-25-15-□ (-T/O)	99.5	15			93.5
NAPUT/YSB-25-30-□ (-T/O)	136.5	30	58	50	118.5

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

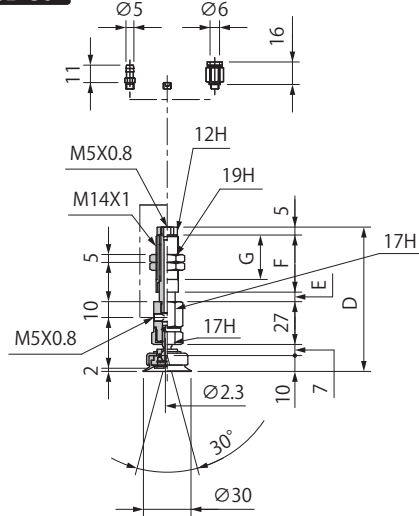
Common Specifications

Symbol	Connector Weight(g)	
	Tube O.D φ 4	Tube O.D φ 6
T	0.5	1.5
O	3.0	4.0

Dimensions

(mm)

NAPUT/YSB-30

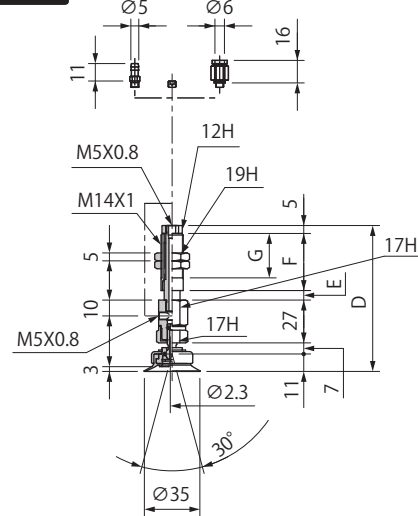


Model number	D	E	F	G	Weight (g)
NAPUT/YSB-30-6-□ (-T/O)	91	6	36	28	93.5
NAPUT/YSB-30-15-□ (-T/O)	100	15			98.5
NAPUT/YSB-30-30-□ (-T/O)	137	30	58	50	123.5

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-35

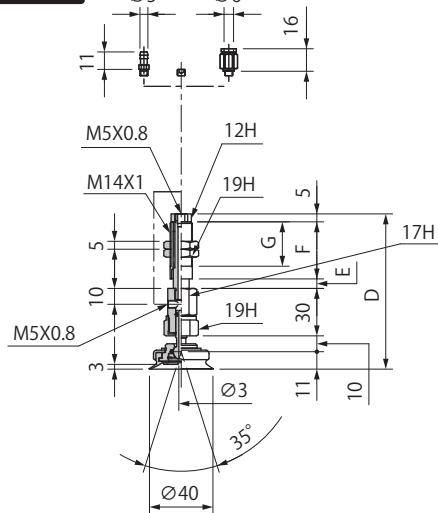


Model number	D	E	F	G	Weight (g)
NAPUT/YSB-35-6-□ (-T/O)	92	6	36	28	94
NAPUT/YSB-35-15-□ (-T/O)	101	15			99
NAPUT/YSB-35-30-□ (-T/O)	138	30	58	50	124

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-40

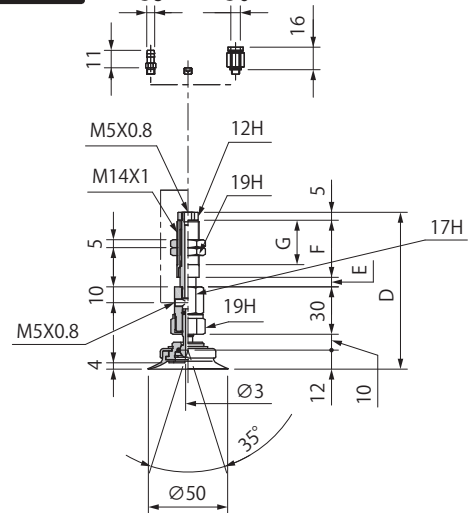


Model number	D	E	F	G	Weight (g)
NAPUT/YSB-40-6-□ (-T/O)	98	6	36	28	123
NAPUT/YSB-40-15-□ (-T/O)	107	15			128
NAPUT/YSB-40-30-□ (-T/O)	144	30	58	50	153

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPUT/YSB-50



Model number	D	E	F	G	Weight (g)
NAPUT/YSB-50-6-□ (-T/O)	99	6	36	28	124
NAPUT/YSB-50-15-□ (-T/O)	108	15			129
NAPUT/YSB-50-30-□ (-T/O)	145	30	58	50	154

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) / without connector selected.

Common Specifications

Connector Weight(g)

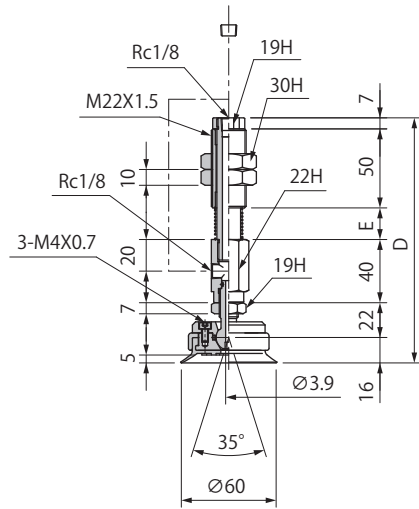
Symbol	Tube O.D φ 4	Tube O.D φ 6
T	0.5	1.5
O	3.0	4.0

NAPUTSB·YSB Cup with Spring Fitting

Dimensions

(mm)

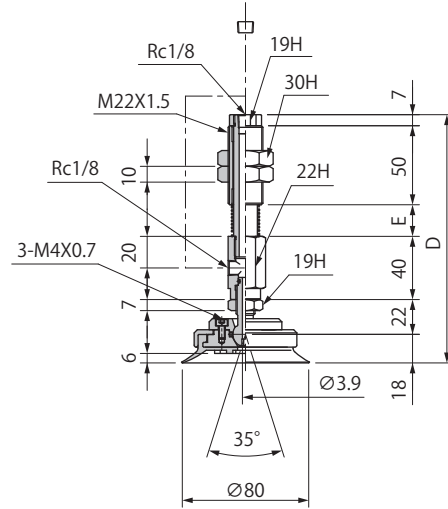
NAPUT/YSB-60



Model number	D	E	Weight (g)
NAPUT/YSB-60-10-□	155	20	487
NAPUT/YSB-60-30-□	185	50	521
NAPUT/YSB-60-50-□	210	75	548

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) selected.

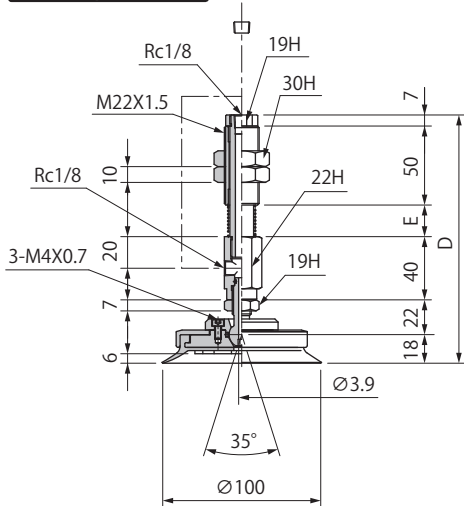
NAPUT/YSB-80



Model number	D	E	Weight (g)
NAPUT/YSB-80-10-□	157	20	559
NAPUT/YSB-80-30-□	187	50	593
NAPUT/YSB-80-50-□	212	75	620

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) selected.

NAPUT/YSB-100



Model number	D	E	Weight (g)
NAPUT/YSB-100-10-□	157	20	695
NAPUT/YSB-100-30-□	187	50	729
NAPUT/YSB-100-50-□	212	75	756

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) selected.

Dimensions

(mm)

Suction Cup
Swivel Cup

02
Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

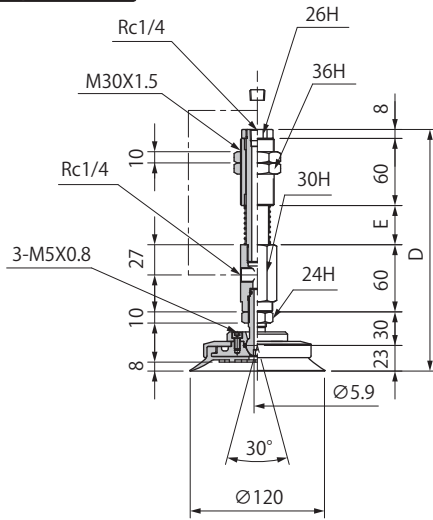
PW

RA

SM

TN

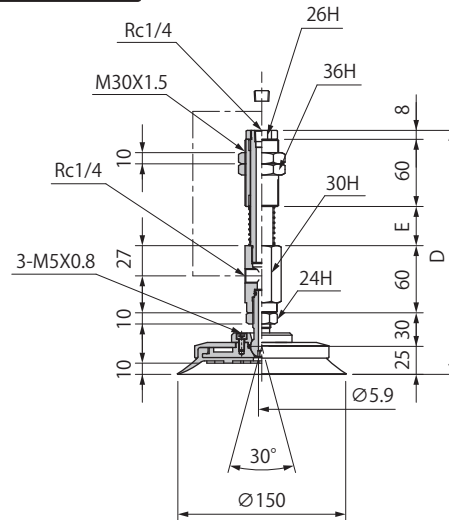
NAPUT/YSB-120



Model number	D	E	Weight (g)
NAPUT/YSB-120-20-□	216	35	1414
NAPUT/YSB-120-50-□	256	75	1495

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

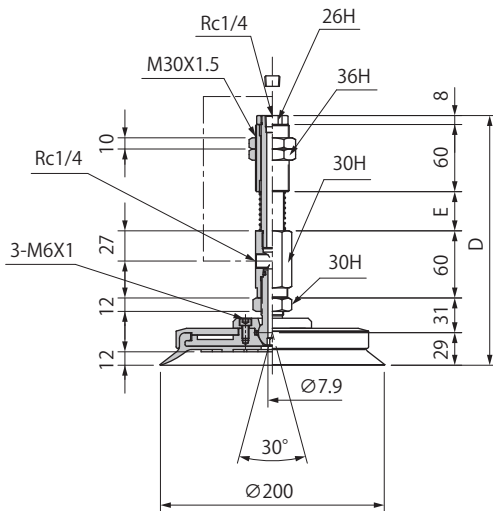
NAPUT/YSB-150



Model number	D	E	Weight (g)
NAPUT/YSB-150-20-□	218	35	1640
NAPUT/YSB-150-50-□	258	75	1721

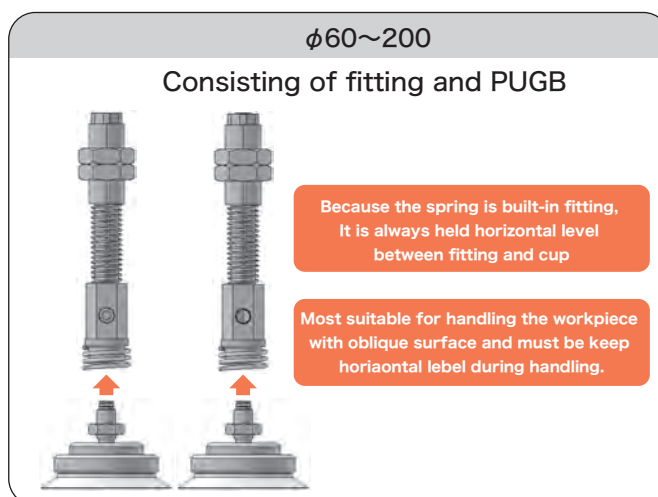
※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

NAPUT/YSB-200



Model number	D	E	Weight (g)
NAPUT/YSB-200-20-□	223	35	2780
NAPUT/YSB-200-50-□	263	75	2861

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.



How to Order

NAPU **T** SBR - **60-10** - **N**

① Vacuum port

T	Top
Y	Side

② Cup Size-Stroke (mm)

Symbol	Cup size Stroke	Symbol	Cup size Stroke
60-10	φ 60-10	120-20	φ 120-20
60-30	φ 60-30	120-50	φ 120-50
60-50	φ 60-50	150-20	φ 150-20
80-10	φ 80-10	150-50	φ 150-50
80-30	φ 80-30	200-20	φ 200-20
80-50	φ 80-50	200-50	φ 200-50
100-10	φ 100-10		
100-30	φ 100-30		
100-50	φ 100-50		

③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber
U	Urethane rubber
F	Fluorine rubber

※ Please consult with us for other material.

Spring Specifications

Cup size	Unit	φ60~100			φ120~200	
Stroke	mm	10	30	50	20	50
Spring load at 0 stroke	N	8.82	6.76	8.33	15.6	14.7
Spring load at full stroke	N	11.8	15.6	19.6	29.4	

Combination Table

Model number	PUGB model number	Fitting	Piping specifications
NAPU○SBR-60-10-□	PUGB-60-□	NAPU○SBR-60-10-K	Rc1/8 (Female)
NAPU○SBR-60-30-□		NAPU○SBR-60-30-K	
NAPU○SBR-60-50-□		NAPU○SBR-60-50-K	
NAPU○SBR-80-10-□	PUGB-80-□	NAPU○SBR-60-10-K	
NAPU○SBR-80-30-□		NAPU○SBR-60-30-K	
NAPU○SBR-80-50-□		NAPU○SBR-60-50-K	
NAPU○SBR-100-10-□	PUGB-100-□	NAPU○SBR-60-10-K	
NAPU○SBR-100-30-□		NAPU○SBR-60-30-K	
NAPU○SBR-100-50-□		NAPU○SBR-60-50-K	
NAPU○SBR-120-20-□	PUGB-120-□	NAPU○SBR-120-20-K	Rc1/4 (Female)
NAPU○SBR-120-50-□		NAPU○SBR-120-50-K	
NAPU○SBR-150-20-□	PUGB-150-□	NAPU○SBR-120-20-K	
NAPU○SBR-150-50-□		NAPU○SBR-120-50-K	
NAPU○SBR-200-20-□	PUGB-200-□	NAPU○SBR-200-20-K	
NAPU○SBR-200-50-□		NAPU○SBR-200-50-K	

※□ in the table indicates the cup material.

※○ in the table indicates the vacuum port (T or Y).

02

Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

PW

RA

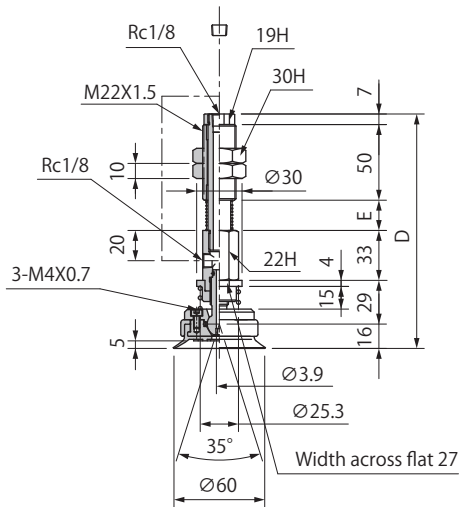
SM

TN

Dimensions

(mm)

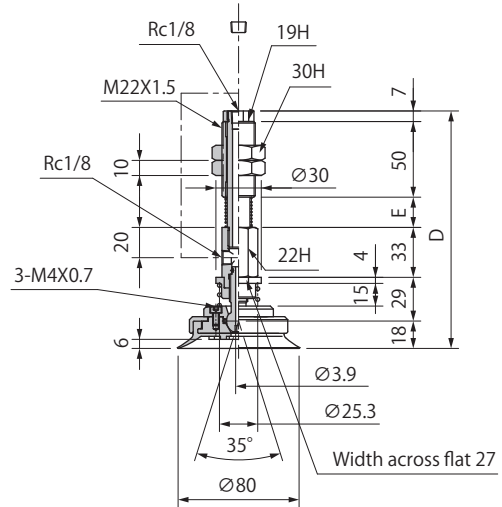
NAPUT/YSBR-60



Model number	D	E	Weight (g)
NAPUT/YSBR-60-10-□	155	20	507
NAPUT/YSBR-60-30-□	185	50	541
NAPUT/YSBR-60-50-□	210	75	568

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) is selected.

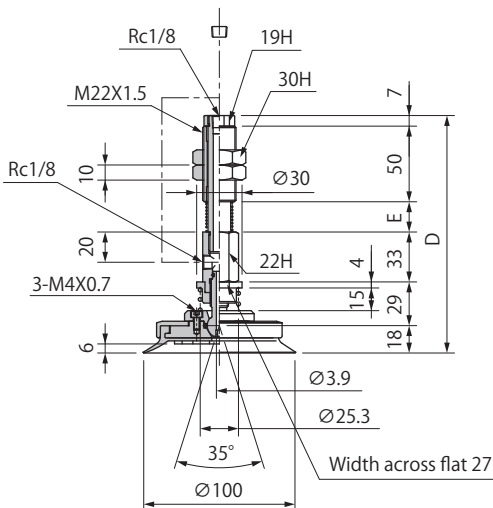
NAPUT/YSBR-80



Model number	D	E	Weight (g)
NAPUT/YSBR-80-10-□	157	20	579
NAPUT/YSBR-80-30-□	187	50	613
NAPUT/YSBR-80-50-□	212	75	640

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) is selected.

NAPUT/YSBR-100



Model number	D	E	Weight (g)
NAPUT/YSB-100-10-□	157	20	715
NAPUT/YSB-100-30-□	187	50	749
NAPUT/YSB-100-50-□	212	75	776

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) is selected.

Dimensions

(mm)

Suction Cup
Swivel Cup

02
Suction Cup

PA

PB

PC

PCD

PD

PF

PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

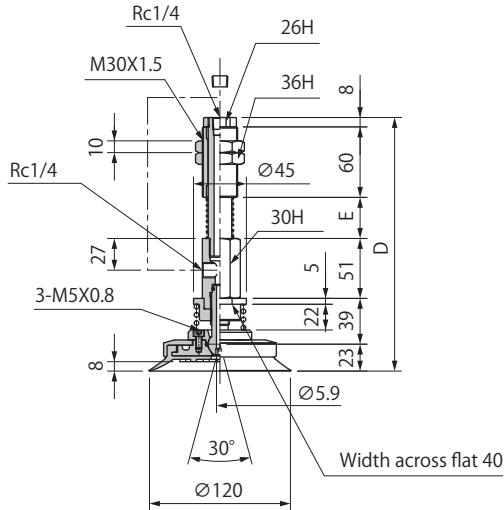
PW

RA

SM

TN

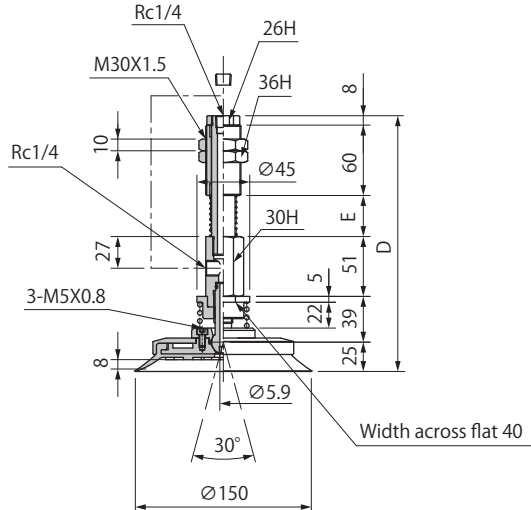
NAPUT/YSBR-120



Model number	D	E	Weight(g)
NAPUT/YSBR-120-20-□	216	35	1495
NAPUT/YSBR-120-50-□	256	75	1575

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

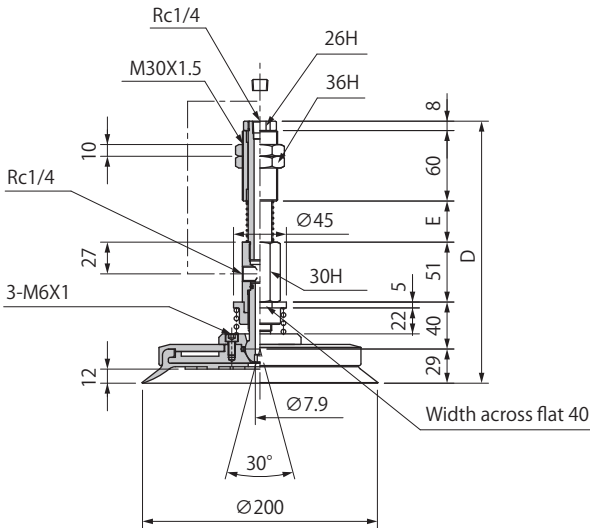
NAPUT/YSBR-150



Model number	D	E	Weight(g)
NAPUT/YSBR-150-20-□	218	35	1720
NAPUT/YSBR-150-50-□	258	75	1801

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.

NAPUT/YSBR-200



Model number	D	E	Weight(g)
NAPUT/YSBR-200-20-□	223	35	2860
NAPUT/YSBR-200-50-□	263	75	2941

※□ in the table indicates the cup material.
※ The weight value is when NBR (Nitrile rubber) selected.