

3 Bellows Cup

RoHS



For workpieces with the oblique surface or spherical surface!



Can



Light bulb



Pipe

Wide range of cup sizes.

$\phi 3$ $\phi 3.5$ $\phi 5$ $\phi 7$ $\phi 10$ $\phi 15$ $\phi 18$ $\phi 20$ $\phi 30$ $\phi 40$ $\phi 60$ $\phi 90$

Various fittings for many kinds of applications.

Fixed fitting



Spring fitting



Compact type fitting



Suction Cup

PCG		Cup size (mm) φ 3 ~ 90	P.227
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Fitting

Type		Applicable cup size (mm)	Stroke (mm)	Vacuum port	Piping・Connector	Page
Cup with compact fixed fitting PS- □ -C-F		φ 5, 7	N/A	Top	Female screw	P.231
Cup with compact fixed fitting PS- □ -C-M		φ 5, 7	N/A	Top	Male screw	P.231
Cup with fixed fitting PCTK		φ 5 ~ 60	N/A	Top	Barb	P.233
		φ 90			Female screw	
Cup with fixed fitting PCYK		φ 5 ~ 60	N/A	Side	Barb	P.233
		φ 90			Female screw	
Cup With Compact Spring Fitting PSS		φ 5, 7	3,5	Top	Male screw	P.237
Cup with spring fitting NAPCTS		φ 5, 7	3, 6	Top	Female screw Push-in Barb	P.239
		φ 10 ~ 20	3, 10, 15			
		φ 30 ~ 60	6, 15, 30			
		φ 90	10, 30, 50		Female screw	
Cup with spring fitting NAPCYS		φ 5, 7	3, 6	Side	Female screw Push-in Barb	P.239
		φ 10 ~ 20	3, 10, 15			
		φ 30 ~ 60	6, 15, 30			
		φ 90	10, 30, 50		Female screw	
Cup with non-rotation spring fitting NAPCTH		φ 5 ~ 20	3, 10, 15	Top	Female screw Push-in Barb	P.245
		φ 30 ~ 60	6, 15, 30			
Cup with non-rotation spring fitting NAPCYH		φ 5 ~ 20	3, 10, 15	Side	Female screw Push-in Barb	P.245
		φ 30 ~ 60	6, 15, 30			
Setting screw		φ 3 ~ 90	—	—	—	P.503

How to Order



PCG — **5** — **N**

① ②

① Cup Size (mm)

Symbol	Cup size	Symbol	Cup size
3	φ 3	18	φ 18
3.5	φ 3.5	20	φ 20
5	φ 5	30	φ 30
7	φ 7	40	φ 40
10	φ 10	60	φ 60
15	φ 15	90	φ 90

② Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone 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

Applicable Rubber Material Table

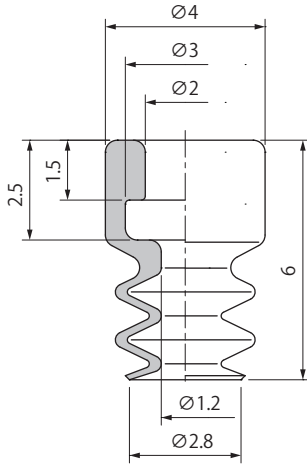
Material	Color	Symbol	Round type											
			3	3.5	5	7	10	15	18	20	30	40	60	90
NBR(Nitrile rubber)	Black	N	○	●	●	●	●	●	●	●	●	●	●	●
Silicone rubber	Translucent white	S	○	●	●	●	●	●	●	●	●	●	●	●

● : In stock ○ : Made to order × : None
 ※ Please consult with us for other material.

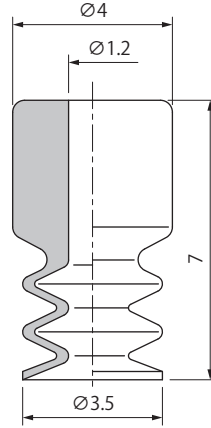
Dimensions

(mm)

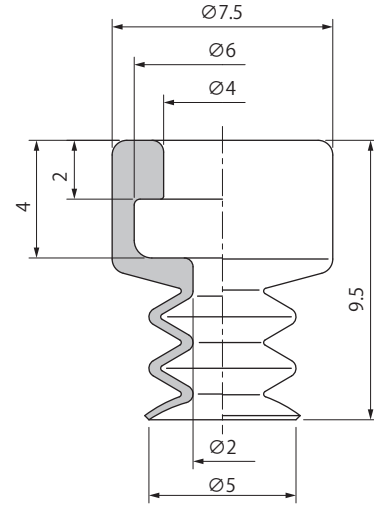
PCG-3



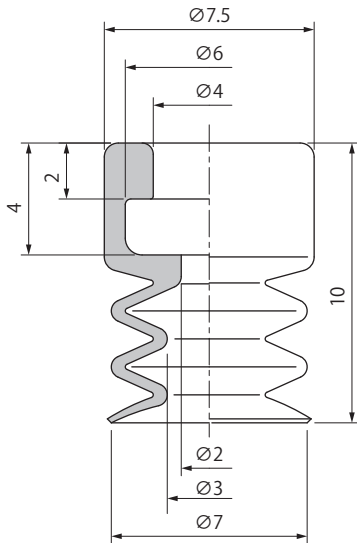
PCG-3.5



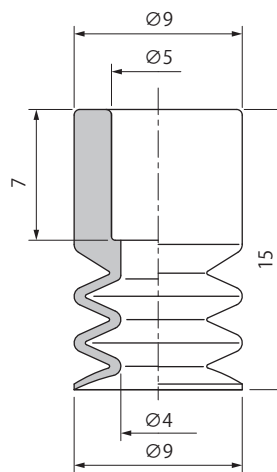
PCG-5



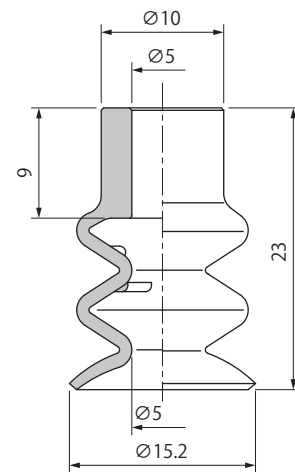
PCG-7



PCG-10



PCG-15



Weight

(g)

Model \ Material	N	S	Applicable setting screw (Screw specifications)
PCG-3	0.1	0.1	TN-PS-2A-M3 (Male M3X0.5) TN-PS-2A-M3F (Female M3X0.5) TN-PS-2A-M5 (Male M5X0.8)
PCG-3.5	0.1	0.1	-
PCG-5	0.2	0.2	TN-PS-10-M5 (Male M5X0.8) TN-PS-10-M5F (Female M5X0.8)
PCG-7	0.2	0.2	
PCG-10	0.6	0.6	TN-PC-10-M5 (Male M5X0.8)
PCG-15	1.6	1.6	

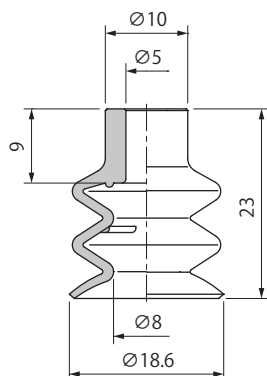
Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※Please refer to P.503 for setting screw detailed specifications.

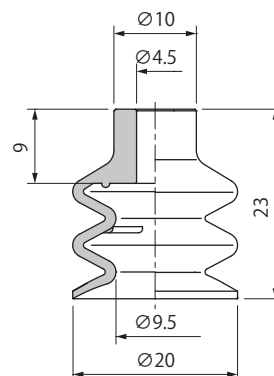
Dimensions

(mm)

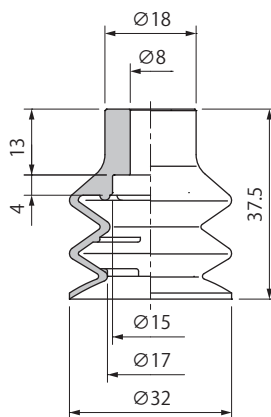
PCG-18



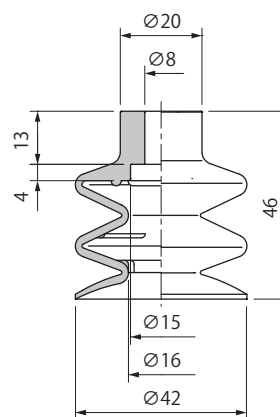
PCG-20



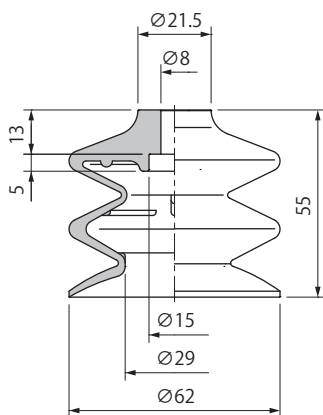
PCG-30



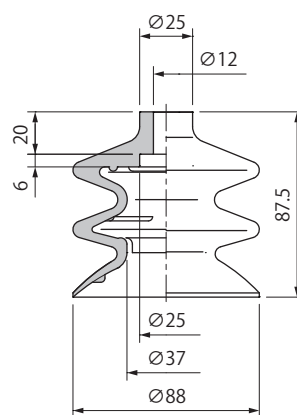
PCG-40



PCG-60



PCG-90



Weight

(g)

Model \ Material	N	S	Applicable setting screw (Screw specifications)
PCG-18	2.3	2.3	TN-PC-10-M5 (Male M5X0.8)
PCG-20	2.5	2.5	
PCG-30	9.6	9.6	TN-PC-30-M6 (Male M6X1.0) TN-PC-30-M8 (Male M8X1.25)
PCG-40	19.5	19.5	
PCG-60	49.0	49.0	
PCG-90	160.0	160.0	TN-PC-90-M12 (Male M12X1.25)

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※Please refer to P.503 for setting screw detailed specifications.

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

PS Cup with Compact Fixed Fitting

Male Screw



Female Screw



Simple construction of the cup and the screw.

φ5, 7



Screw and the cup can be disassembled

Attach the cup directly to the screw



Model number	Cup	Setting screw	Screw size
PS-5-C-M-□	PCG-5-□	TN-PS-10-M5	M5X0.8
PS-7-C-M-□	PCG-7-□		

Model number	Cup	Setting screw	Screw size
PS-5-C-F-□	PCG-5-□	TN-PS-10-M5F	M5X0.8
PS-7-C-F-□	PCG-7-□		

※□ in the table indicates the cup material.

How to Order

PS — 5 — C — M — N

① Cup Size (mm)

Symbol	Cup size
5	φ5
7	φ7

② Screw Type

M	Male screw
F	Female screw

③ Cup Rubber Material

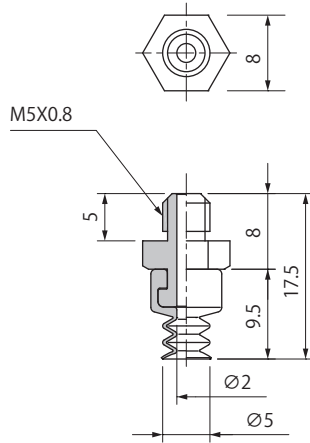
Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

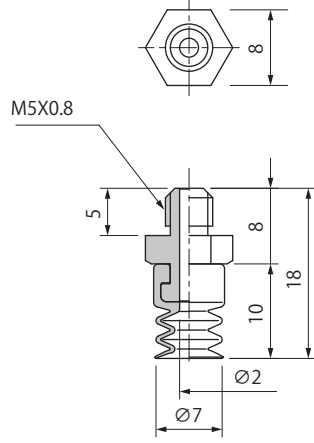
Dimensions

(mm)

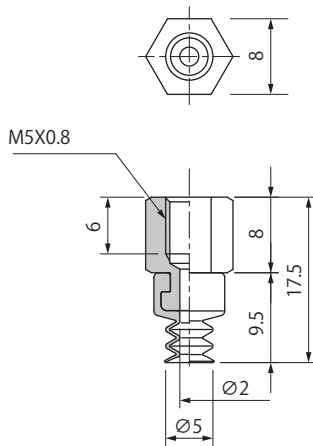
PS-5-C-M



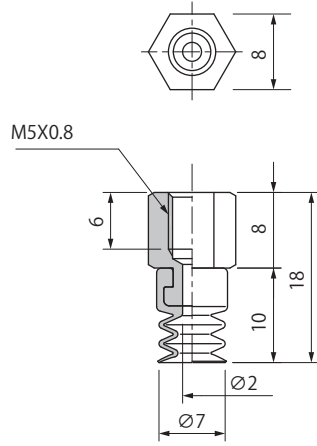
PS-7-C-M



PS-5-C-F



PS-7-C-F



Model number	Weight (g)
PS-5-C-M- □	1
PS-7-C-M- □	
PS-5-C-F- □	1.5
PS-7-C-F- □	

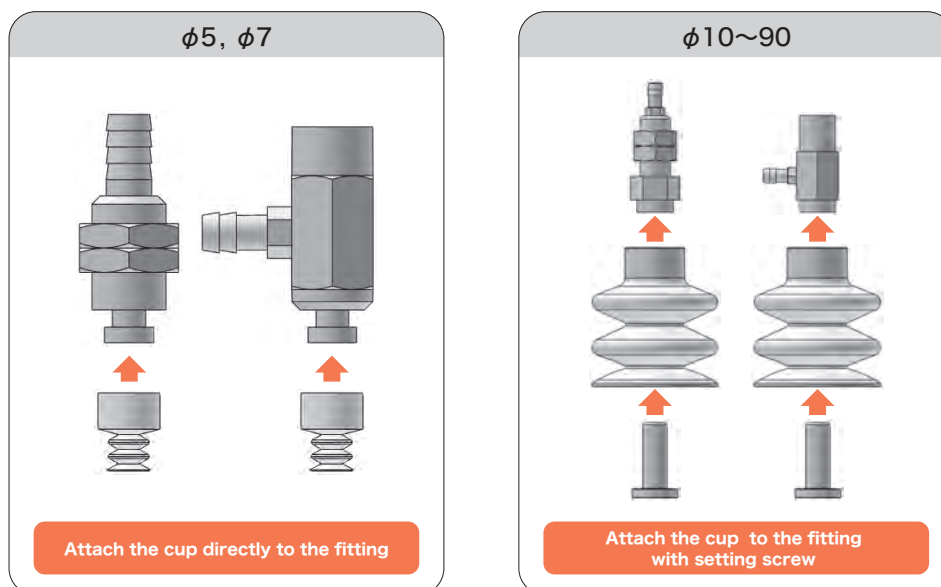
※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) selected.

PCTK·YK Cup with Fixed Fitting

Suction Cup
3 Bellows Cup



Consisting of fitting, setting screw, suction cup.



How to Order

PC **T** K - **5** - **N**

① Vacuum Port

T	Top
Y	Side

② Cup Size (mm)

Symbol	Cup size	Symbol	Cup size
5	φ5	20	φ20
7	φ7	30	φ30
10	φ10	40	φ40
15	φ15	60	φ60
18	φ18	90	φ90

③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

Combination Table

Top Port

Model number	Cup	Setting screw	Fitting	Piping specifications	
PCTK-5- □	PCG-5- □	Attach the cup directly to the fitting	PFTK-5A-K	Barb	ϕ6X4
PCTK-7- □	PCG-7- □				
PCTK-10- □	PCG-10- □	TN-PC-10-M5	PFTK-15-K		
PCTK-15- □	PCG-15- □				
PCTK-18- □	PCG-18- □				
PCTK-20- □	PCG-20- □				
PCTK-30- □	PCG-30- □	TN-PC-30-M8	PFTK-50-K		
PCTK-40- □	PCG-40- □				
PCTK-60- □	PCG-60- □				
PCTK-90- □	PCG-90- □	TN-PC-90-M12	PCTK-90-K	Rc1/8 (Female)	

※□ in the table indicates the cup material.

Side Port

Model number	Cup	Setting screw	Fitting	Piping specifications	
PCYK-5- □	PCG-5- □	Attach the cup directly to the fitting	PFYK-5A-K	Barb	φ6X4
PCYK-7- □	PCG-7- □				
PCYK-10- □	PCG-10- □	TN-PC-10-M5	PFYK-15-K		
PCYK-15- □	PCG-15- □				
PCYK-18- □	PCG-18- □				
PCYK-20- □	PCG-20- □				
PCYK-30- □	PCG-30- □	TN-PC-30-M8	PFYK-50-K		
PCYK-40- □	PCG-40- □				
PCYK-60- □	PCG-60- □				
PCYK-90- □	PCG-90- □			TN-PC-90-M12	PCYK-90-K

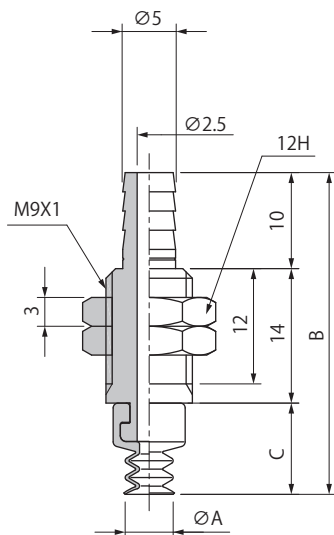
※□ in the table indicates the cup material.

PCTK·YK Cup with Fixed Fitting

Dimensions

(mm)

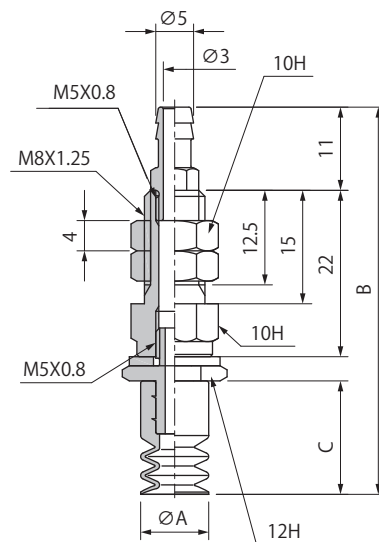
Top Port PCTK-5/7



Model number	A	B	C	Weight (g)
PCTK-5-□	5	33.5	9.5	11
PCTK-7-□	7	34	10	

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

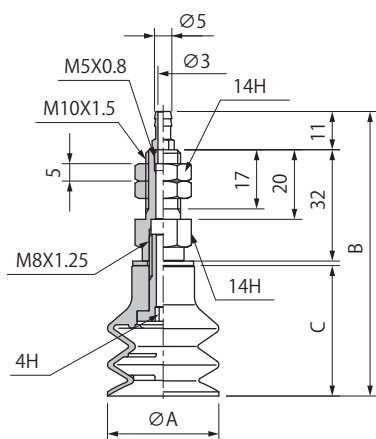
Top Port PCTK-10/15/18/20



Model number	A	B	C	Weight (g)
PCTK-10-□	9	51.2	15	22
PCTK-15-□	15.2	59.2	23	
PCTK-18-□	18.6			
PCTK-20-□	20			

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

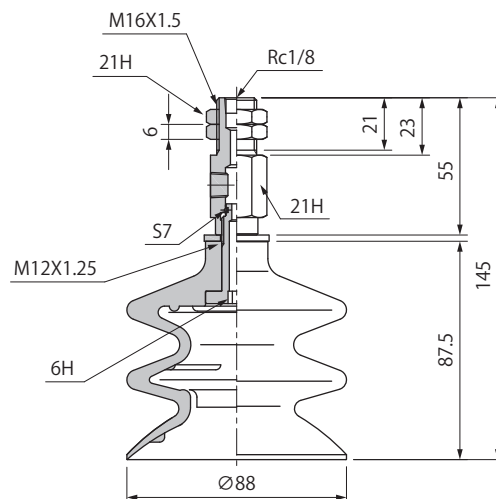
Top Port PCTK-30/40/60



Model number	A	B	C	Weight (g)
PCTK-30-□	32	81.7	37.5	46
PCTK-40-□	42	90.2	46	55
PCTK-60-□	62	99.2	55	85

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

Top Port PCTK-90



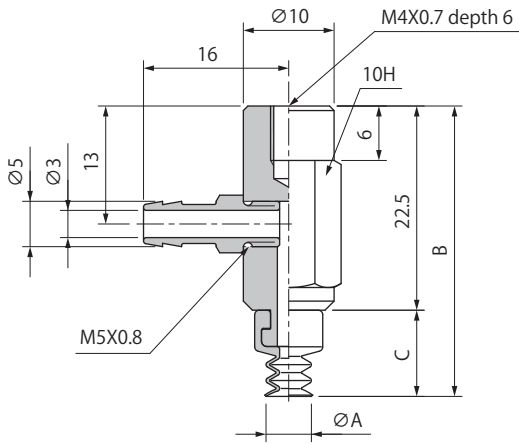
Model number	Weight (g)
PCTK-90-□	300

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

Dimensions

(mm)

Side Port PCYK-5/7

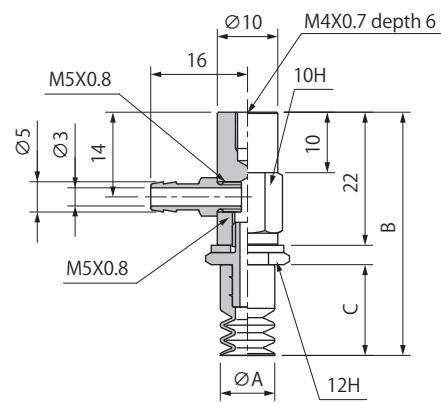


Model number	A	B	C	Weight (g)
PCYK-5-□	5	32	9.5	16
PCYK-7-□	7	32.5	10	

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) selected.

Side Port PCYK-10/15/18/20

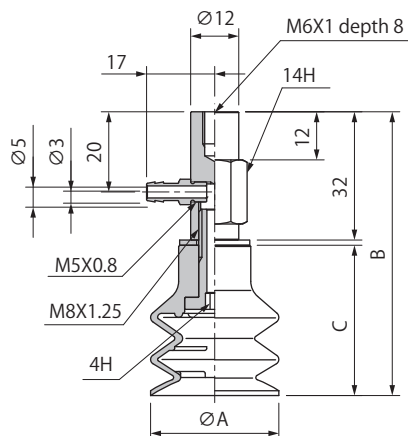


Model number	A	B	C	Weight (g)
PCYK-10-□	9	40.2	15	22
PCYK-15-□	15.2	48.2	23	
PCYK-18-□	18.6			
PCYK-20-□	20			

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) selected.

Side Port PCYK-30/40/60

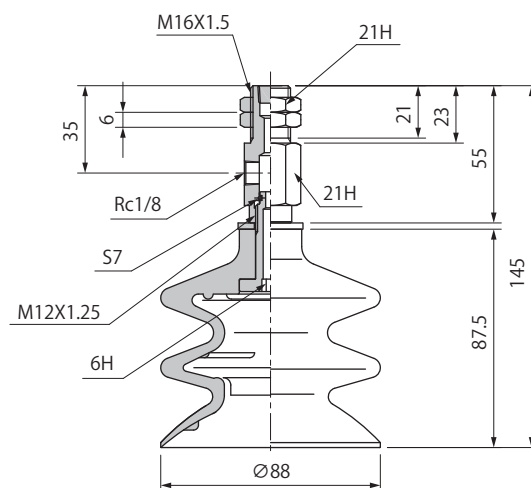


Model number	A	B	C	Weight (g)
PCYK-30-□	32	70.7	37.5	46
PCYK-40-□	42	79.2	46	55
PCYK-60-□	62	88.2	55	85

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) selected.

Side Port PCYK-90



Model number	Weight (g)
PCYK-90-□	300

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) selected.

02

Suction Cup

PA

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PFO

PH

PJ

CORE

PK2

PK2B

PK2L

PL

PN

PN-B

PP

PQ

PR

PU

PW

RA

SM

TN

PSS Cup with Compact Spring Fitting

Suction Cup
3 Bellows 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

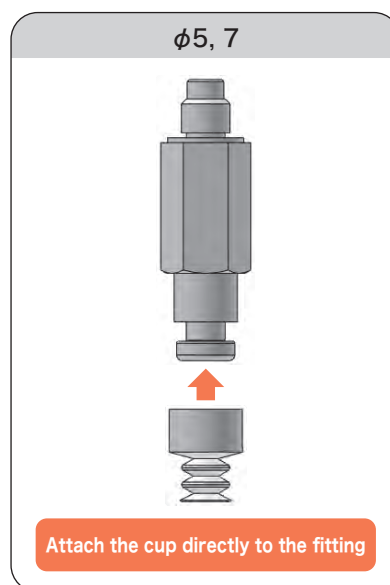
RA

SM

TN



Simple construction of the cup and the fitting.



How to Order

PSS — L3 — PCG — 5 — N

①
① Stroke (mm)

Symbol	Length
L3	3
L5	5

②
② Cup Size (mm)

Symbol	Cup size
5	φ5
7	φ7

③
③ Cup Rubber Material

Symbol	Material
N	NBR (Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

Combination Table

Model number	Cup	Fitting	Piping specifications
PSS-L3-PCG-5- ☐	PCG-5- ☐	PSS-L3	M5X0.8 (Male)
PSS-L3-PCG-7- ☐	PCG-7- ☐		
PSS-L5-PCG-5- ☐	PCG-5- ☐	PSS-L5	
PSS-L5-PCG-7- ☐	PCG-7- ☐		

※□ in the table indicates the cup material.

Spring Specifications

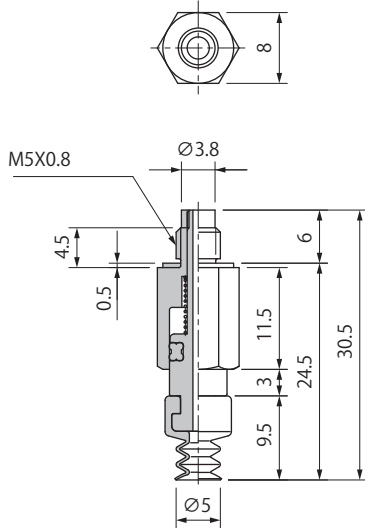
Cup size	Unit	φ5, 7	
Stroke	mm	3	5
Spring load at 0 stroke	N	1.5	1.62
Spring load at full stroke	N	2.3	3.2
Tightening torque	N · m	0.58~0.68	

※Due to structural reason, 「lift-up」 may occur in case vacuum pressure is more than -65kPa.
The weight of non 「lift-up」 in horizontal lifting is about over 200g.
Screw must be tightened in recommended tightening torque, otherwise malfunction would occur.

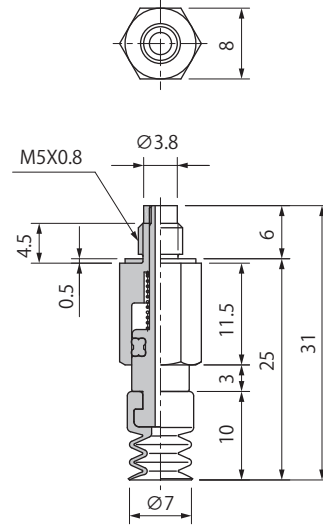
Dimensions

(mm)

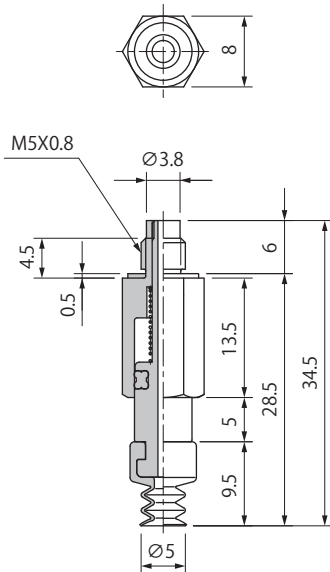
PSS-L3-PCG-5



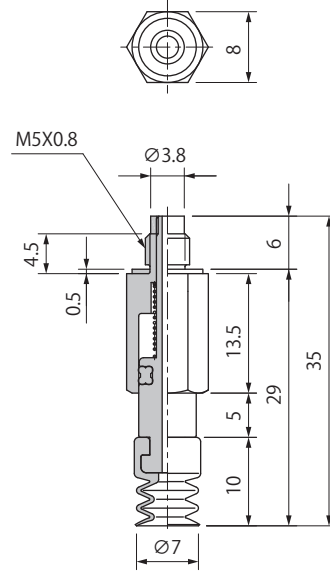
PSS-L3-PCG-7



PSS-L5-PCG-5



PSS-L5-PCG-7



Model number	Weight (g)
PSS-L3-PCG-5- □	6
PSS-L3-PCG-7- □	
PSS-L5-PCG-5- □	7
PSS-L5-PCG-7- □	

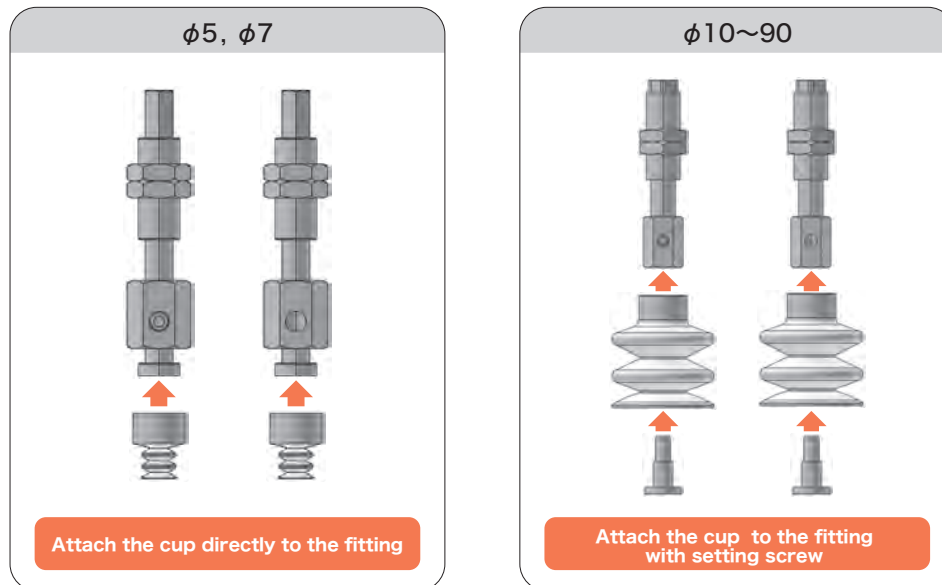
※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) selected.

NAPCTS·YS Cup with Spring Fitting

Suction Cup
3 Bellows Cup



Consisting of fitting, setting screw, suction 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

How to Order

NAPC T S - 5-3 - 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
5-3	φ5-3	18-3	φ18-3	40-6	φ40-6
5-6	φ5-6	18-10	φ18-10	40-15	φ40-15
7-3	φ7-3	18-15	φ18-15	40-30	φ40-30
7-6	φ7-6	20-3	φ20-3	60-6	φ60-6
10-3	φ10-3	20-10	φ20-10	60-15	φ60-15
10-10	φ10-10	20-15	φ20-15	60-30	φ60-30
10-15	φ10-15	30-6	φ30-6	90-10	φ90-10
15-3	φ15-3	30-15	φ30-15	90-30	φ90-30
15-10	φ15-10	30-30	φ30-30	90-50	φ90-50
15-15	φ15-15				

③ Cup Rubber Material

Symbol	Material
N	NBR (Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

④ Connector

Blank	N/A
T	Barb
O	Push-in

※ φ90 can not be selected "T" and "O"

Spring Specifications

Cup size	Unit	$\phi 5, 7$		$\phi 10 \sim 20$			$\phi 30 \sim 60$			$\phi 90$		
Stroke	mm	3	6	3	10	15	6	15	30	10	30	50
Spring load at 0 stroke	N	0.49		0.61		0.64	2.45		2.9	8.82	6.76	8.33
Spring load at full stroke	N	0.59	0.69	0.77	1.17		3.43	4.9	5.88	11.8	15.6	19.6

Combination Table

Model number	Cup	Setting screw	Fitting	Piping specifications		
				Without connector・Blank	Barb connector・T	Push-in connector・O
NAPC○S-5-3-□ (-T/O)	PCG-5-□	Attach the cup directly to the fitting	NAPF○S-5A-3-K (-T/O)	M3X0.5 (Female)	φ4X2.5	
NAPC○S-5-6-□ (-T/O)			NAPF○S-5A-6-K (-T/O)			
NAPC○S-7-3-□ (-T/O)	PCG-7-□		NAPF○S-5A-3-K (-T/O)			
NAPC○S-7-6-□ (-T/O)			NAPF○S-5A-6-K (-T/O)			
NAPC○S-10-3-□ (-T/O)	PCG-10-□	TN-PC-10-M5	NAPC○S-10-3-K (-T/O)	M5X0.8 (Female)	φ6 X 4	
NAPC○S-10-10-□ (-T/O)			NAPC○S-10-10-K (-T/O)			
NAPC○S-10-15-□ (-T/O)			NAPC○S-10-15-K (-T/O)			
NAPC○S-15-3-□ (-T/O)	PCG-15-□		NAPC○S-10-3-K (-T/O)			
NAPC○S-15-10-□ (-T/O)			NAPC○S-10-10-K (-T/O)			
NAPC○S-15-15-□ (-T/O)			NAPC○S-10-15-K (-T/O)			
NAPC○S-18-3-□ (-T/O)	PCG-18-□		NAPC○S-10-3-K (-T/O)			
NAPC○S-18-10-□ (-T/O)			NAPC○S-10-10-K (-T/O)			
NAPC○S-18-15-□ (-T/O)			NAPC○S-10-15-K (-T/O)			
NAPC○S-20-3-□ (-T/O)	PCG-20-□		NAPC○S-10-3-K (-T/O)			
NAPC○S-20-10-□ (-T/O)			NAPC○S-10-10-K (-T/O)			
NAPC○S-20-15-□ (-T/O)			NAPC○S-10-15-K (-T/O)			
NAPC○S-30-6-□ (-T/O)	PCG-30-□	TN-PC-30-M6	NAPF○S-20B-6-K (-T/O)			
NAPC○S-30-15-□ (-T/O)			NAPF○S-20B-15-K (-T/O)			
NAPC○S-30-30-□ (-T/O)			NAPF○S-20B-30-K (-T/O)			
NAPC○S-40-6-□ (-T/O)	PCG-40-□		NAPF○S-20B-6-K (-T/O)			
NAPC○S-40-15-□ (-T/O)			NAPF○S-20B-15-K (-T/O)			
NAPC○S-40-30-□ (-T/O)			NAPF○S-20B-30-K (-T/O)			
NAPC○S-60-6-□ (-T/O)	PCG-60-□		NAPF○S-20B-6-K (-T/O)			
NAPC○S-60-15-□ (-T/O)			NAPF○S-20B-15-K (-T/O)			
NAPC○S-60-30-□ (-T/O)			NAPF○S-20B-30-K (-T/O)			
NAPC○S-90-10-□	PCG-90-□	TN-PC-90-M12	NAPU○SB-60-10-K	Rc1/8 (Female)	-	
NAPC○S-90-30-□		NAPU○SB-60-30-K				
NAPC○S-90-50-□		NAPU○SB-60-50-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

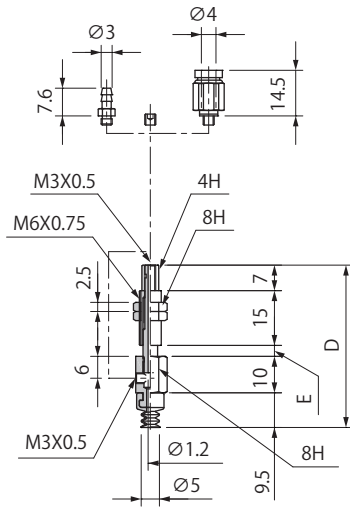
TN

NAPCTS·YS Cup with Spring Fitting

Dimensions

(mm)

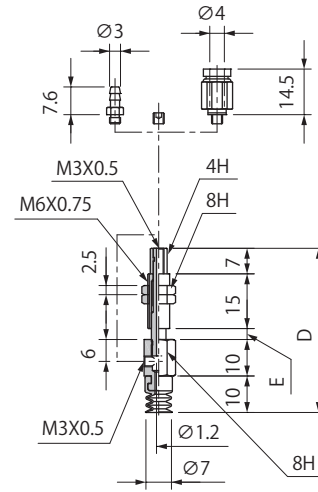
NAPCT/YS-5



Model number	D	E	Weight(g)
NAPCT/YS-5-3-□ (-T/O)	44.5	3	7
NAPCT/YS-5-6-□ (-T/O)	47.5	6	

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) / without connector selected.

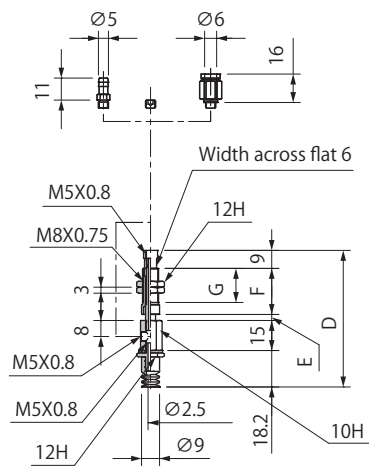
NAPCT/YS-7



Model number	D	E	Weight(g)
NAPCT/YS-7-3-□ (-T/O)	45	3	7
NAPCT/YS-7-6-□ (-T/O)	48	6	

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) / without connector selected.

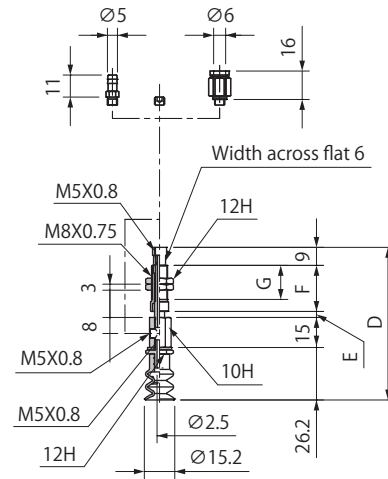
NAPCT/YS-10



Model number	D	E	F	G	Weight(g)
NAPCT/YS-10-3-□ (-T/O)	68.2	3	23	17	22
NAPCT/YS-10-10-□ (-T/O)	75.2	10			22.5
NAPCT/YS-10-15-□ (-T/O)	87.7	15	30.5	24.5	25

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) / without connector selected.

NAPCT/YS-15



Model number	D	E	F	G	Weight(g)
NAPCT/YS-15-3-□ (-T/O)	76.2	3	23	17	23
NAPCT/YS-15-10-□ (-T/O)	83.2	10			23.5
NAPCT/YS-15-15-□ (-T/O)	95.7	15	30.5	24.5	26

※□ in the table indicates the cup material.
 ※ The weight value is when NBR (Nitrile rubber) / without connector selected.

Common Specifications

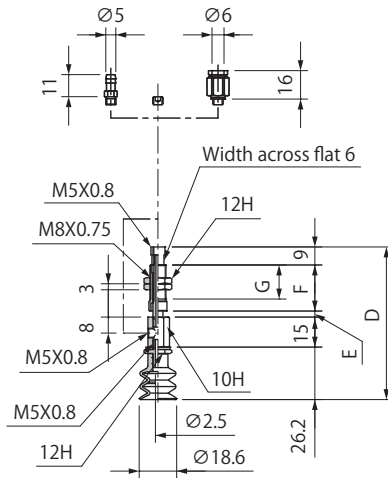
Connector Weight(g)

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

Dimensions

(mm)

NAPCT/YS-18

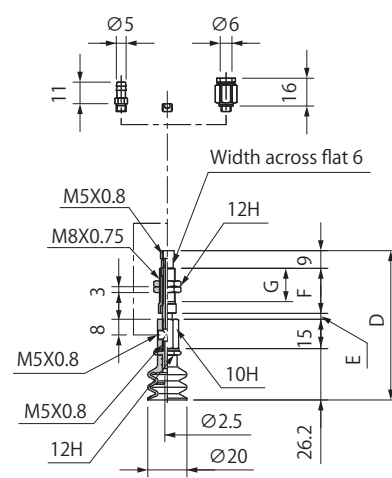


Model number	D	E	F	G	Weight(g)
NAPCT/YS-18-3-□ (-T/O)	76.2	3	23	17	23
NAPCT/YS-18-10-□ (-T/O)	83.2	10			23.5
NAPCT/YS-18-15-□ (-T/O)	95.7	15	30.5	24.5	26

※□ in the table indicates the cup material.

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

NAPCT/YS-20

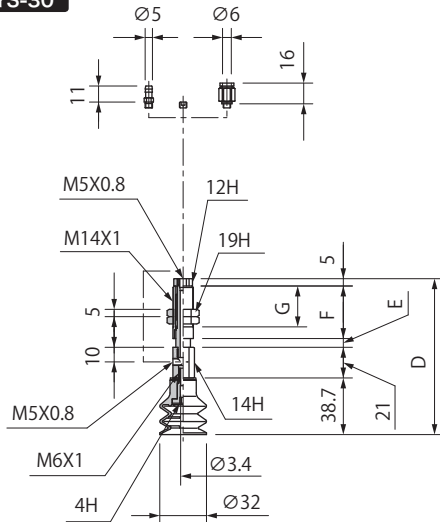


Model number	D	E	F	G	Weight(g)
NAPCT/YS-20-3-□ (-T/O)	76.2	3	23	17	23.5
NAPCT/YS-20-10-□ (-T/O)	83.2	10			24
NAPCT/YS-20-15-□ (-T/O)	95.7	15	30.5	24.5	26.5

※□ in the table indicates the cup material.

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

NAPCT/YS-30

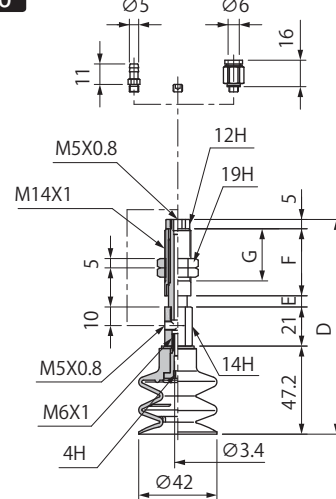


Model number	D	E	F	G	Weight(g)
NAPCT/YS-30-6-□ (-T/O)	106.7	6	36	28	80
NAPCT/YS-30-15-□ (-T/O)	115.7	15			85
NAPCT/YS-30-30-□ (-T/O)	152.7	30	58	50	110

※□ in the table indicates the cup material.

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

NAPCT/YS-40



Model number	D	E	F	G	Weight(g)
NAPCT/YS-40-6-□ (-T/O)	115.2	6	36	28	91
NAPCT/YS-40-15-□ (-T/O)	124.2	15			96
NAPCT/YS-40-30-□ (-T/O)	161.2	30	58	50	121

※□ in the table indicates the cup material.

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

Common Specifications

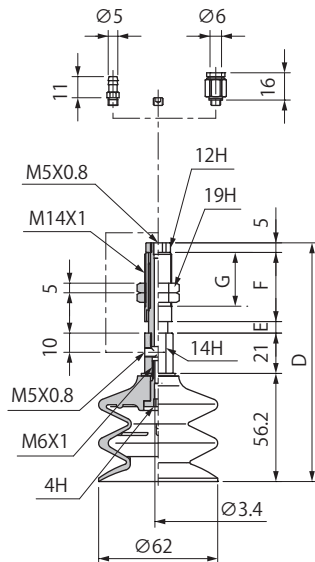
Connector Weight(g)

Symbol	Tube O.D φ 6
T	1.5
O	4.0

NAPCTS·YS Cup with Spring Fitting

Suction Cup
3 Bellows Cup

NAPCT/YS-60

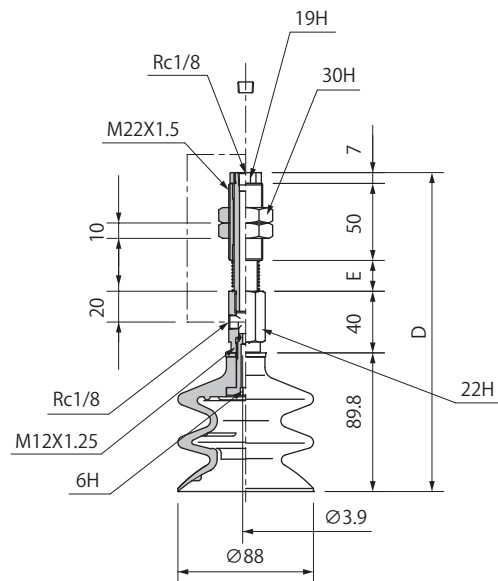


Model number	D	E	F	G	Weight(g)
NAPCT/YS-60-6-□ (-T/O)	124.2	6	36	28	126
NAPCT/YS-60-15-□ (-T/O)	133.2	15			131
NAPCT/YS-60-30-□ (-T/O)	170.2	30	58	50	156

※□ in the table indicates the cup material.

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

NAPCT/YS-90



Model number	D	E	Weight(g)
NAPCT/YS-90-10-□	206.8	20	472
NAPCT/YS-90-30-□	236.8	50	506
NAPCT/YS-90-50-□	261.8	75	533

※□ in the table indicates the cup material.

※ The weight value is when NBR (Nitrile rubber) selected.

Common Specifications

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

02
Suction Cup

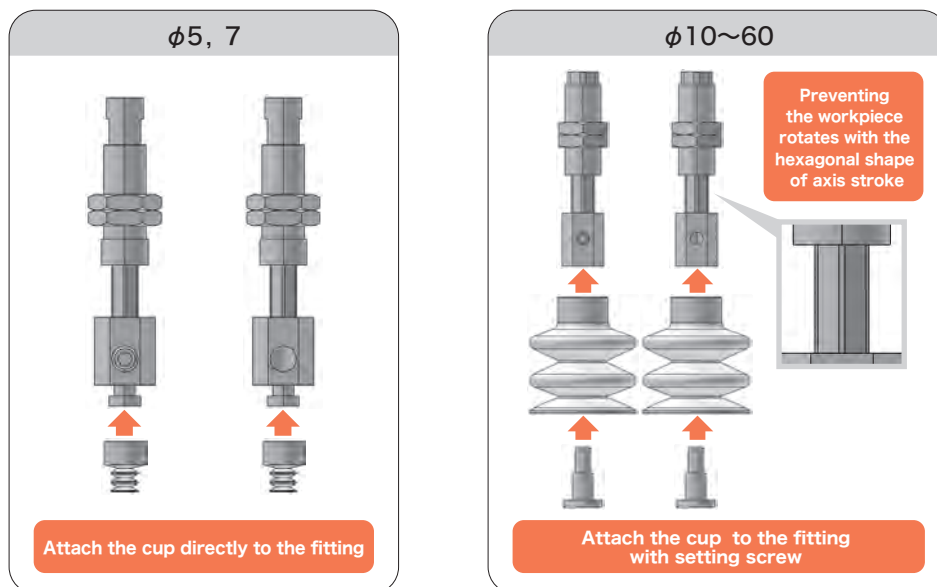
PA
PB
PC
PCD
PD
PF
PFO
PH
PJ
CORE
PK2
PK2B
PK2L
PL
PN
PN-B
PP
PQ
PR
PU
PW
RA
SM
TN

NAPCTH·YH Cup with Non-rotation Spring Fitting

Suction Cup
3 Bellows Cup



Consisting of fitting, setting screw, suction cup.



How to Order

NAPC T H - 5-3 - 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
5-3	φ5-3	15-3	φ15-3	30-6	φ30-6
5-10	φ5-10	15-10	φ15-10	30-15	φ30-15
5-15	φ5-15	15-15	φ15-15	30-30	φ30-30
7-3	φ7-3	18-3	φ18-3	40-6	φ40-6
7-10	φ7-10	18-10	φ18-10	40-15	φ40-15
7-15	φ7-15	18-15	φ18-15	40-30	φ40-30
10-3	φ10-3	20-3	φ20-3	60-6	φ60-6
10-10	φ10-10	20-10	φ20-10	60-15	φ60-15
10-15	φ10-15	20-15	φ20-15	60-30	φ60-30

③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

④ Connector

Blank	N/A
T	Barb
O	Push-in

Spring Specifications

Cup size	Unit	φ5, 7			φ10~20			φ30~φ60		
Stroke	mm	3	10	15	3	10	15	6	15	30
Spring load at 0 stroke	N	0.27			0.29			0.61		
Spring load at full stroke	N	0.43			0.82			0.83		
		0.77			1.17			3.43		
								4.9		
								5.88		

Combination Table

Model number	Cup	Setting screw	Fitting	Piping specifications		
				Without connector・Blank	Barb connector・T	Push-in connector・C
NAPC○H-5-3-□ (-T/O)	PCG-5-□	Attach the cup directly to the fitting	NAPC○H-5-3-K (-T/O)	M5X0.8 (Female)	φ 6X4	
NAPC○H-5-10-□ (-T/O)			NAPC○H-5-10-K (-T/O)			
NAPC○H-5-15-□ (-T/O)			NAPC○H-5-15-K (-T/O)			
NAPC○H-7-3-□ (-T/O)	PCG-7-□		NAPC○H-5-3-K (-T/O)			
NAPC○H-7-10-□ (-T/O)			NAPC○H-5-10-K (-T/O)			
NAPC○H-7-15-□ (-T/O)			NAPC○H-5-15-K (-T/O)			
NAPC○H-10-3-□ (-T/O)	PCG-10-□	TN-PC-10-M5	NAPC○H-10-3-K (-T/O)			
NAPC○H-10-10-□ (-T/O)			NAPC○H-10-10-K (-T/O)			
NAPC○H-10-15-□ (-T/O)			NAPC○H-10-15-K (-T/O)			
NAPC○H-15-3-□ (-T/O)	PCG-15-□		NAPC○H-10-3-K (-T/O)			
NAPC○H-15-10-□ (-T/O)			NAPC○H-10-10-K (-T/O)			
NAPC○H-15-15-□ (-T/O)			NAPC○H-10-15-K (-T/O)			
NAPC○H-18-3-□ (-T/O)	PCG-18-□		NAPC○H-10-3-K (-T/O)			
NAPC○H-18-10-□ (-T/O)			NAPC○H-10-10-K (-T/O)			
NAPC○H-18-15-□ (-T/O)			NAPC○H-10-15-K (-T/O)			
NAPC○H-20-3-□ (-T/O)	PCG-20-□		NAPC○H-10-3-K (-T/O)			
NAPC○H-20-10-□ (-T/O)			NAPC○H-10-10-K (-T/O)			
NAPC○H-20-15-□ (-T/O)			NAPC○H-10-15-K (-T/O)			
NAPC○H-30-6-□ (-T/O)	PCG-30-□	TN-PC-30-M6	NAPF○H-20B-6-K (-T/O)			
NAPC○H-30-15-□ (-T/O)			NAPF○H-20B-15-K (-T/O)			
NAPC○H-30-30-□ (-T/O)			NAPF○H-20B-30-K (-T/O)			
NAPC○H-40-6-□ (-T/O)	PCG-40-□		NAPF○H-20B-6-K (-T/O)			
NAPC○H-40-15-□ (-T/O)			NAPF○H-20B-15-K (-T/O)			
NAPC○H-40-30-□ (-T/O)			NAPF○H-20B-30-K (-T/O)			
NAPC○H-60-6-□ (-T/O)	PCG-60-□		NAPF○H-20B-6-K (-T/O)			
NAPC○H-60-15-□ (-T/O)			NAPF○H-20B-15-K (-T/O)			
NAPC○H-60-30-□ (-T/O)			NAPF○H-20B-30-K (-T/O)			

※□ 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

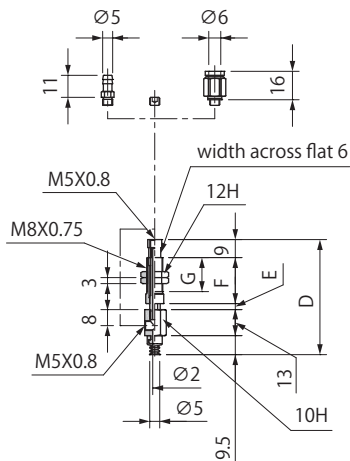
TN

NAPCTH·YH Cup with Non-rotation Spring Fitting

Dimensions

(mm)

NAPCT/YH-5

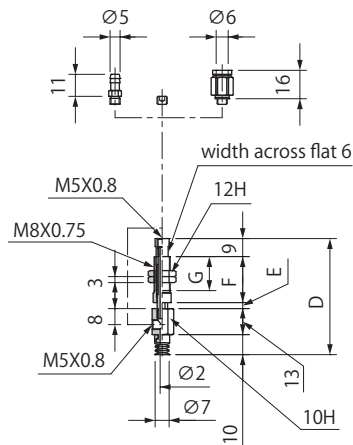


Model number	D	E	F	G	Weight(g)
NAPCT/YH-5-3-□ (-T/O)	57.5	3	23	17	21
NAPCT/YH-5-10-□ (-T/O)	64.5	10			21.5
NAPCT/YH-5-15-□ (-T/O)	77	15	30.5	24.5	24.5

※□ in the table indicates the cup material.

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

NAPCT/YH-7

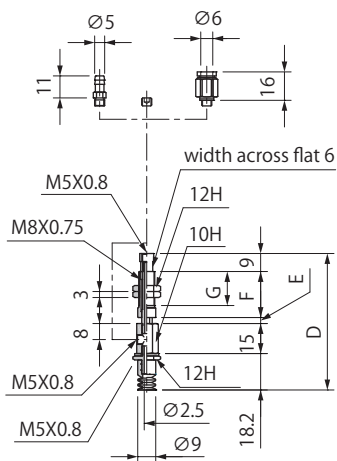


Model number	D	E	F	G	Weight(g)
NAPCT/YH-7-3-□ (-T/O)	58	3	23	17	21
NAPCT/YH-7-10-□ (-T/O)	65	10			21.5
NAPCT/YH-7-15-□ (-T/O)	77.5	15	30.5	24.5	24.5

※□ in the table indicates the cup material.

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

NAPCT/YH-10

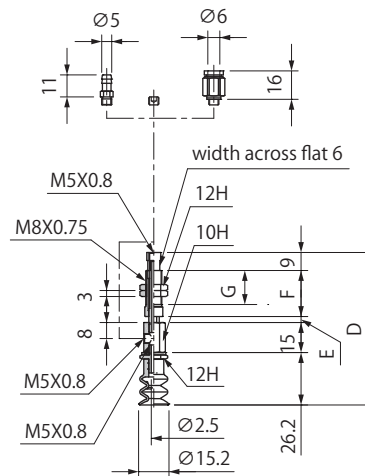


Model number	D	E	F	G	Weight(g)
NAPCT/YH-10-3-□ (-T/O)	68.2	3	23	17	22.5
NAPCT/YH-10-10-□ (-T/O)	75.2	10			23
NAPCT/YH-10-15-□ (-T/O)	87.7	15	30.5	24.5	26

※□ in the table indicates the cup material.

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

NAPCT/YH-15



Model number	D	E	F	G	Weight(g)
NAPCT/YH-15-3-□ (-T/O)	76.2	3	23	17	23.5
NAPCT/YH-15-10-□ (-T/O)	83.2	10			24
NAPCT/YH-15-15-□ (-T/O)	95.7	15	30.5	24.5	27

※□ in the table indicates the cup material.

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

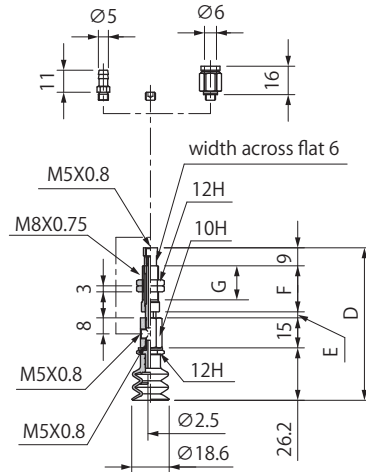
Common Specifications

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

Dimensions

(mm)

NAPCT/YH-18

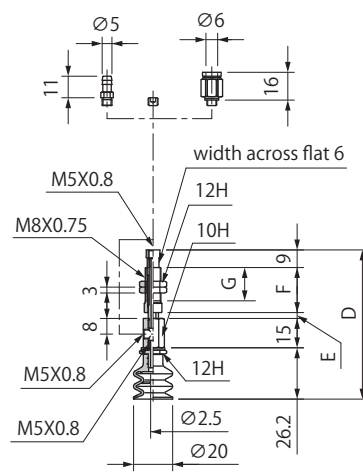


Model number	D	E	F	G	Weight (g)
NAPCT/YH-18-3-□ (-T/O)	76.2	3	23	17	23.5
NAPCT/YH-18-10-□ (-T/O)	83.2	10			24
NAPCT/YH-18-15-□ (-T/O)	95.7	15	30.5	24.5	27

※□ in the table indicates the cup material.

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

NAPCT/YH-20

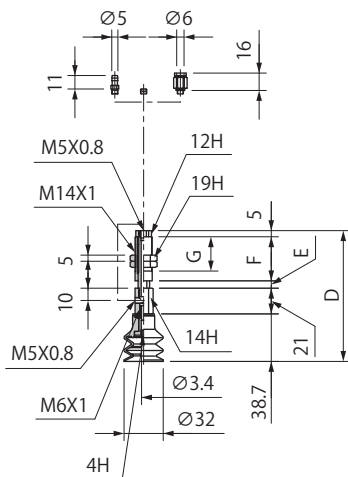


Model number	D	E	F	G	Weight (g)
NAPCT/YH-20-3-□ (-T/O)	76.2	3	23	17	24
NAPCT/YH-20-10-□ (-T/O)	83.2	10			24.5
NAPCT/YH-20-15-□ (-T/O)	95.7	15	30.5	24.5	27.5

※□ in the table indicates the cup material.

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

NAPCT/YH-30

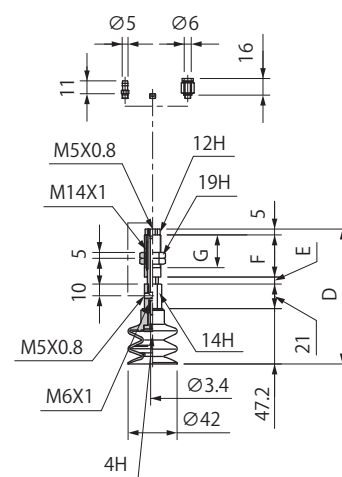


Model number	D	E	F	G	Weight (g)
NAPCT/YH-30-6-□ (-T/O)	106.7	6	36	28	78
NAPCT/YH-30-15-□ (-T/O)	115.7	15			83
NAPCT/YH-30-30-□ (-T/O)	152.7	30	58	50	107

※□ in the table indicates the cup material.

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

NAPCT/YH-40



Model number	D	E	F	G	Weight (g)
NAPCT/YH-40-6-□ (-T/O)	115.2	6	36	28	89
NAPCT/YH-40-15-□ (-T/O)	124.2	15			94
NAPCT/YH-40-30-□ (-T/O)	161.2	30	58	50	118

※□ in the table indicates the cup material.

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

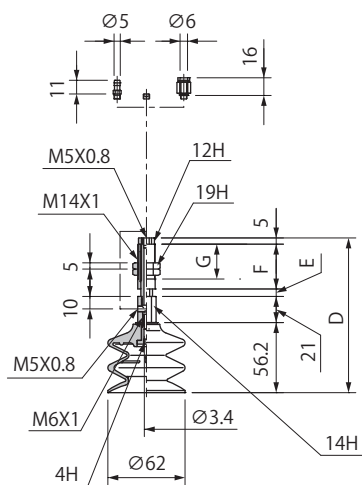
Common Specifications

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

NAPCTH·YH Cup with Non-rotation Spring Fitting

Suction Cup
3 Bellows Cup

NAPCT/YH-60



Model number	D	E	F	G	Weight(g)
NAPCT/YH-60-6-□ (-T/O)	124.2	6	36	28	124
NAPCT/YH-60-15-□ (-T/O)	133.2	15			129
NAPCT/YH-60-30-□ (-T/O)	170.2	30	58	50	153

※□ 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 6
T	1.5
O	4.0