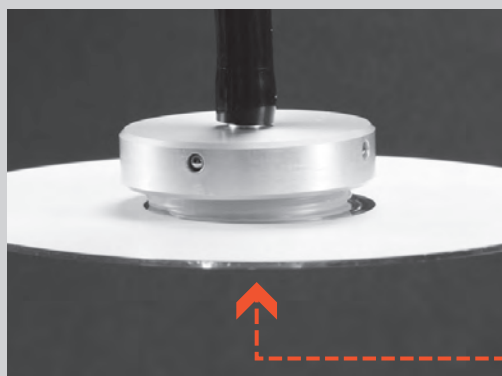


Ring Cup

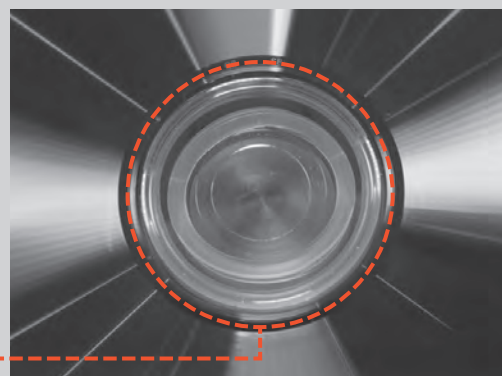
RoHS



Suction cup whose suction surface is ring-shaped.
For workpieces that are ring-shaped such as CD and DVD discs!



CD



Viewed from below

Wide range of cup sizes.

I.D	φ19	φ20	φ23	φ29.5	φ34	φ38	φ46

Suction Cup

PCD • PCDJ 	Cup I.D. (mm) φ 19 ~ 46		P.253
---	----------------------------	--	-------

Fitting

Type	Applicable cup I.D. (mm)	Cup type	Vacuum port	Piping • Connector	Page
Cup with fixed fitting PCDM 	φ 20 ~ 46	Flat	Top	Male screw	P.255
Cup with fixed fitting PCDF 	φ 20 ~ 38	Flat	Side	Female screw	P.255
Cup with fixed fitting PCDJM 	φ 19, 23	Bellows	Top	Male screw	P.255
Cup with fixed fitting PCDJF 	φ 19, 23	Bellows	Side	Female screw	P.255

Suction Cup Selection Guide → P.163

How to Order

(Flat Type)

PCD — 20 — N

①

②

① Cup • Ring I.D (mm)

Symbol	Ring I.D
20	φ 20
23	φ 23
29.5	φ 29.5
34	φ 34
38	φ 38
46	φ 46

② Cup Rubber Material

Symbol	Material
N	NBR (Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.



(Bellows Type)

PCDJ — 20 — N

①

②

① Cup • Ring I.D (mm)

Symbol	Ring I.D
20	φ 19
23	φ 23

② Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S ^{Note1}	Silicone rubber

Note 1) PCDJ-20 is only available with silicone material.

※ 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	PCD						PCDJ	
			20	23	29.5	34	38	46	20	23
NBR(Nitrile rubber)	Black	N	○	○	○	○	○	○	×	○
Silicone rubber	Translucent white	S	○	○	○	○	○	○	○	○

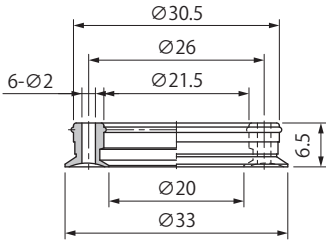
● : In stock ○ Made to order × : None

※ Please consult with us for other material.

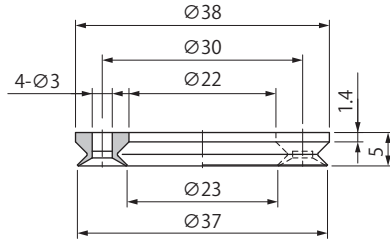
Dimensions (Flat Type)

(mm)

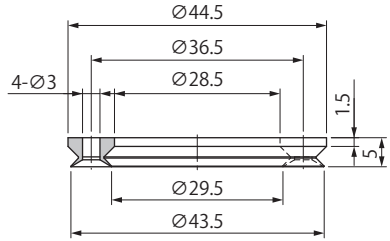
PCD-20



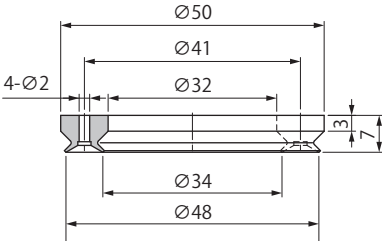
PCD-23



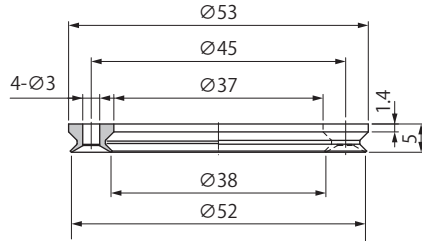
PCD-29.5



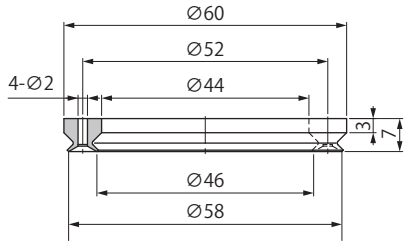
PCD-34



PCD-38



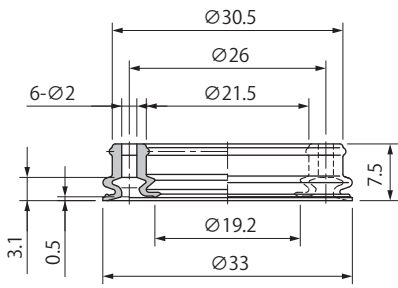
PCD-46



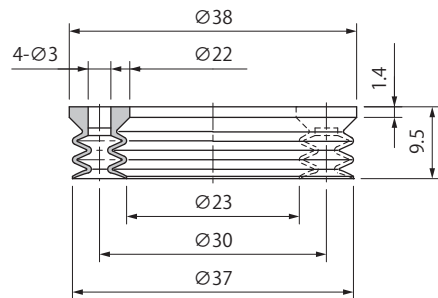
Dimensions (Bellows Type)

(mm)

PCDJ-20



PCDJ-23



Weight

(Flat Type) (g)

Model \ Material	N	S
PCD-20	2.5	2.5
PCD-23	2.8	2.8
PCD-29.5	3.5	3.5
PCD-34	6.6	6.6
PCD-38	3.6	3.6
PCD-46	8.0	8.0

(Bellows Type) (g)

Model \ Material	N	S
PCDJ-20	-	2.1
PCDJ-23	3.8	3.7

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

How to Order

(Flat Type)

PCD **M** - **20** - **N**

① Screw Type

M	Male screw
F	Female screw

② Cup • Ring I.D (mm)

Symbol	Ring I.D
20	φ20
23	φ23
29.5	φ29.5
34	φ34
38	φ38
46	φ46

※ PCDF-46 is unavailable.



③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S	Silicone rubber

※ Please consult with us for other material.

(Bellows Type)

PCDJ **M** - **20** - **N**

① Screw Type

M	Male screw
F	Female screw

② Cup • Ring I.D (mm)

Symbol	Ring I.D
20	φ19
23	φ23

③ Cup Rubber Material

Symbol	Material
N	NBR(Nitrile rubber)
S ^{Note 1}	Silicone rubber

Note 1) PCDJ-20 is only available with silicone material.

※ Please consult with us for other material.



Combination Table

Male Screw

Model number	Cup	Setting screw	Fitting	Piping specifications
PCDM-20- □	PCD-20- □	Attach the cup directly to the fitting	CDM-20	M8X1.25 (Male)
PCDM-23- □	PCD-23- □		CDM-23	
PCDM-29.5- □	PCD-29.5- □		CDM-29.5	
PCDM-34- □	PCD-34- □		CDM-34	
PCDM-38- □	PCD-38- □		CDM-38	
PCDM-46- □	PCD-46- □		CDM-46	
PCDJM-20- □	PCDJ-20- □		CDM-20	
PCDJM-23- □	PCDJ-23- □		CDM-23	

※ □ in the table indicates the cup material.

Female Screw

Model number	Cup	Setting screw	Fitting	Piping specifications
PCDF-20- □	PCD-20- □	Attach the cup directly to the fitting	CDF-20	M5X0.8 (Female)
PCDF-23- □	PCD-23- □		CDF-23	
PCDF-29.5- □	PCD-29.5- □		CDF-29.5	
PCDF-34- □	PCD-34- □		CDF-34	
PCDF-38- □	PCD-38- □		CDF-38	
PCDJF-20- □	PCDJ-20- □		CDF-20	
PCDJF-23- □	PCDJ-23- □		CDF-23	

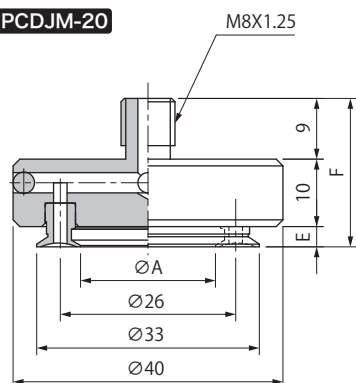
※ □ in the table indicates the cup material.

Dimensions

(mm)

Male Screw

PCDM / PCDJM-20

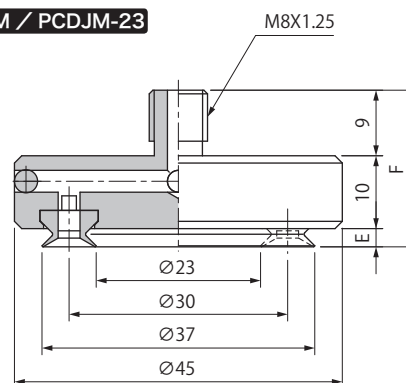


Model number	A	E	F	Weight (g)
PCDM-20-□	20	3	22	28.0
PCDJM-20-□	19	4	23	27.9

※□ in the table indicates the cup material.

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

PCDM / PCDJM-23

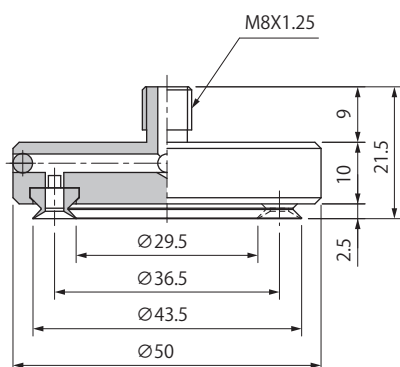


Model number	E	F	Weight (g)
PCDM-23-□	2.5	21.5	35.3
PCDJM-23-□	7	26	35.4

※□ in the table indicates the cup material.

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

PCDM-29.5

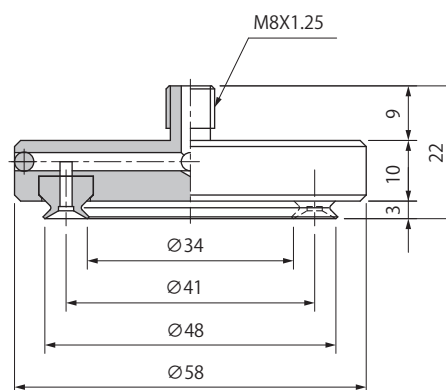


Model number	Weight (g)
PCDM-29.5-□	43.3

※□ in the table indicates the cup material.

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

PCDM-34

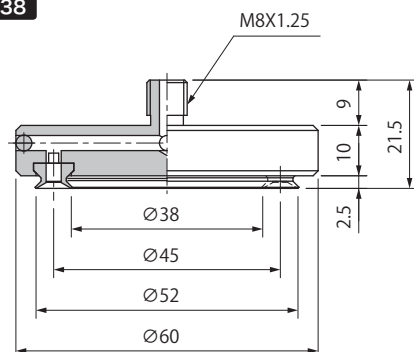


Model number	Weight (g)
PCDM-34-□	54.2

※□ in the table indicates the cup material.

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

PCDM-38

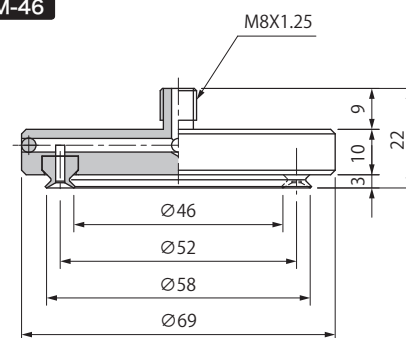


Model number	Weight (g)
PCDM-38-□	64.4

※□ in the table indicates the cup material.

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

PCDM-46



Model number	Weight (g)
PCDM-46-□	81.2

※□ 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

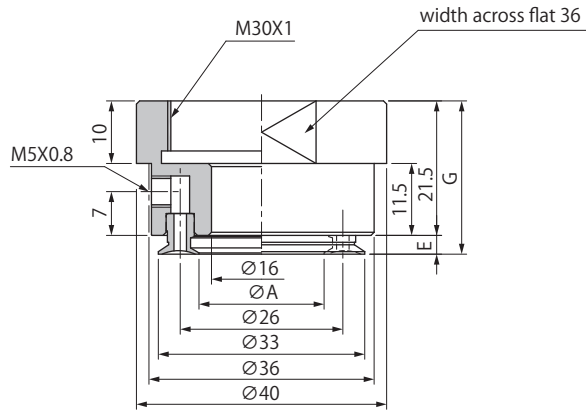
PCD·PCDJM·F Cup with Fixed Fitting

Dimensions

(mm)

Female Screw

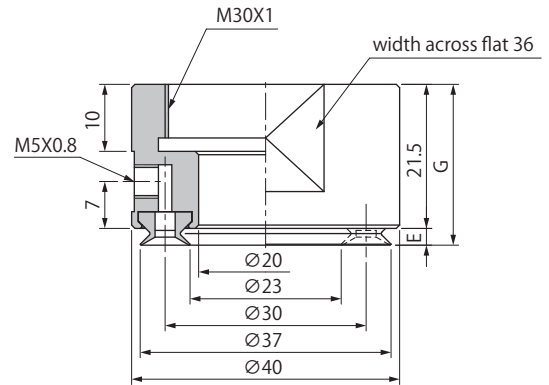
PCDF / PCDJF-20



Model number	A	E	G	Weight (g)
PCDF-20-□	20	3	24.5	30.2
PCDJF-20-□	19	4	25.5	

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

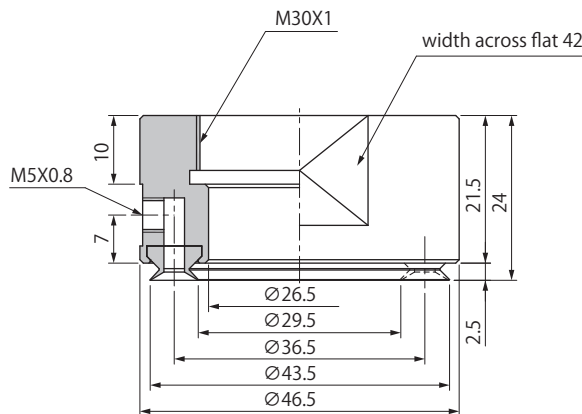
PCDF / PCDJF-23



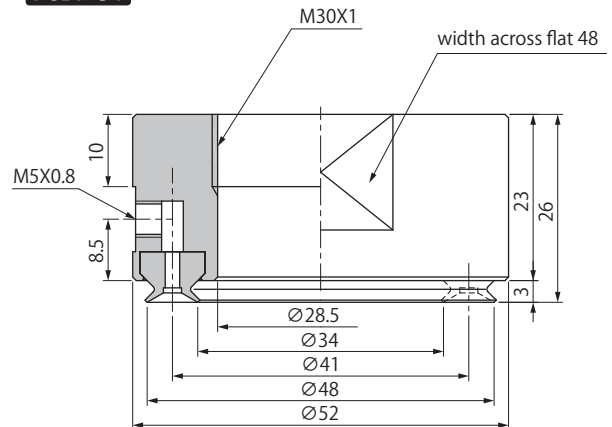
Model number	E	G	Weight (g)
PCDF-23-□	2.5	24	32.6
PCDJF-23-□	7	28.5	31.2

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

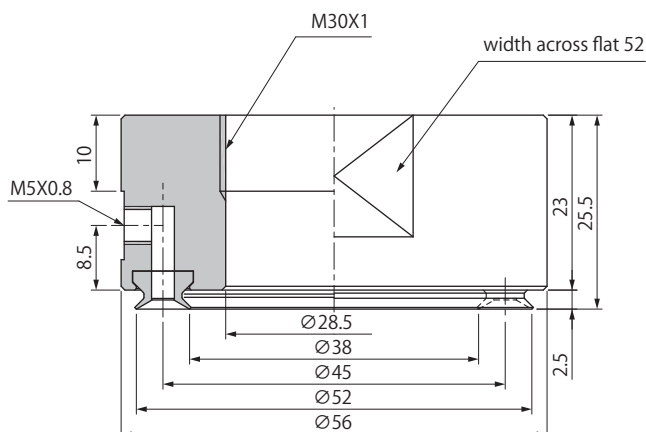
PCDF-29.5



PCDF-34



PCDF-38



Model number	Weight (g)
PCDF-29.5-□	-
PCDF-34-□	-
PCDF-38-□	90.7

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