

Vacuum pad / Bellows type

Specification and Order expression

CHELIC PNEUMATIC

Standard specification

- Type of mounting bracket

PBF	PBK	PBT	PBFS	PBTS
Vertical connection	Vertical connection / With fitting	Side connection	Vertical connection / spring type	Side connection / spring type

Main theme to choose pad

- Suction way



Horizontal suction

- Capability of suction and Consumption

$$W = \frac{P \times A}{-10}$$

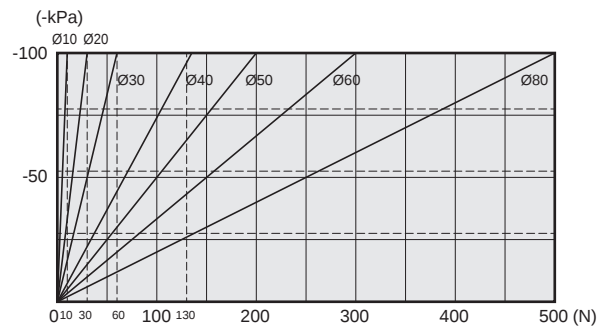
W : Capability of suction N

P : Vacuum pressure kPa

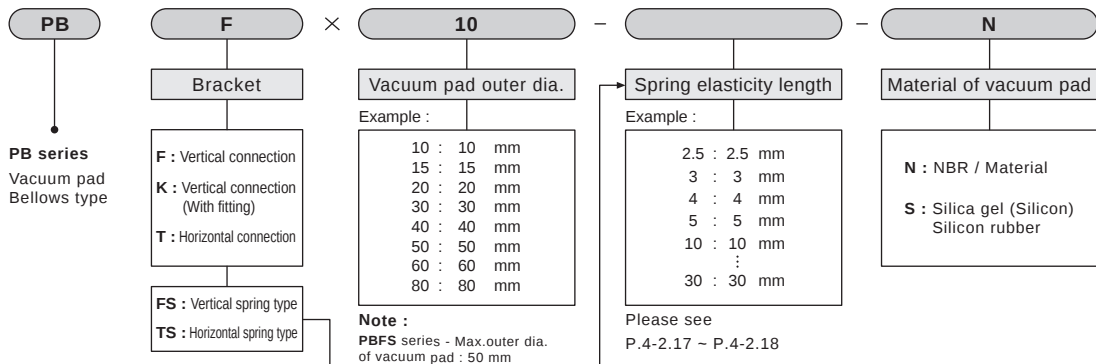
A : Pad diameter cm²

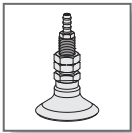
Horizontal suction (Theory data)

- Pad diameter Ø10 ~ Ø80



How to order





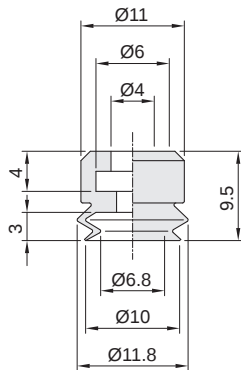
Vacuum pad / Bellows type

Pad model and Type - Bellows type PB series

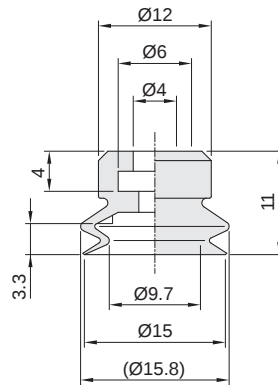
CHELIC PNEUMATIC

Vacuum pad dimension

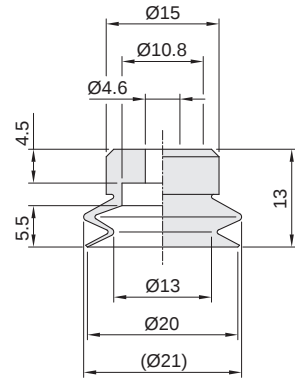
● PB-10



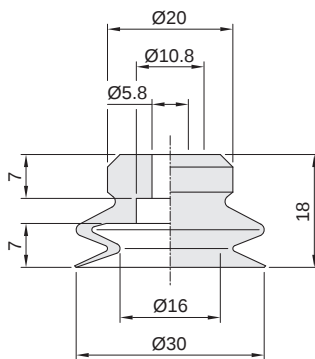
● PB-15



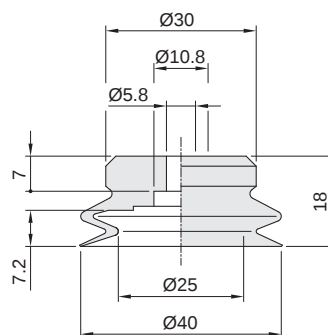
● PB-20



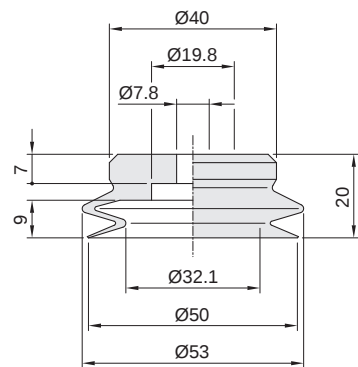
● PB-30



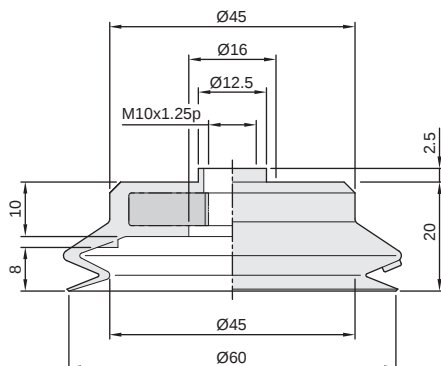
● PB-40



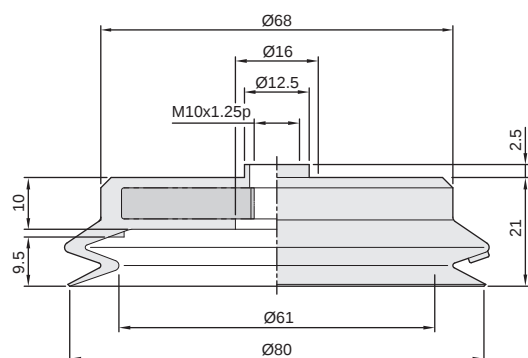
● PB-50



● PB-60



● PB-80



PA

Pad /
Standard type

PAF

Pad /
Vertical
connection

PAK

Pad /
Vertical connection
With fitting

PAT

Pad /
Horizontal
connection

PAFS

Pad /
Vertical
spring type

PATS

Pad /
Horizontal
spring type

PB

Pad /
Bellows type

PBF

Pad /
Vertical
connection

PBK

Pad /
Vertical connection
With fitting

PBT

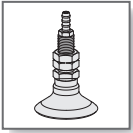
Pad /
Horizontal
connection

PBFS

Pad /
Vertical
spring type

PBTS

Pad /
Horizontal
spring type

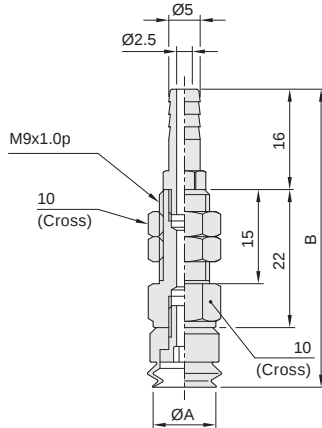


Vacuum pad / Bellows type

External dimension - PBF series / Vertical connection

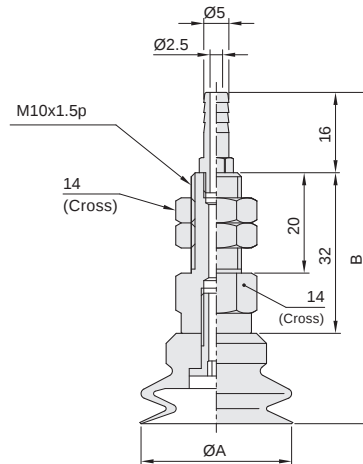
CHELIC PNEUMATIC

● Ø10 , Ø15



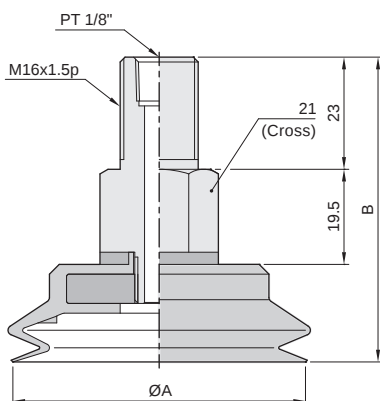
Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBF-10	Ø10	47.5	PU tube Ø6 x Ø4
	PBF-15	Ø15	49	

● Ø20 ~ Ø50

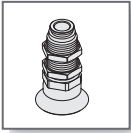


Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBF-20	Ø20	61	PU tube Ø6 x Ø4
	PBF-30	Ø30	66	
	PBF-40	Ø40	66	
	PBF-50	Ø50	68	

● Ø60 , Ø80



Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBF-60	Ø60	62.5	Rc 1/8"
	PBF-80	Ø80	63.5	



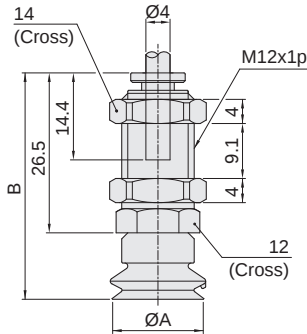
Vacuum pad / Bellows type

External dimension

PBK series / Vertical connection with fitting

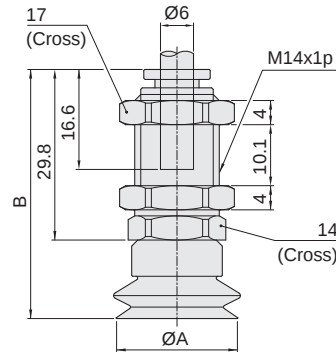
CHELIC PNEUMATIC

☉ Ø10 , Ø15



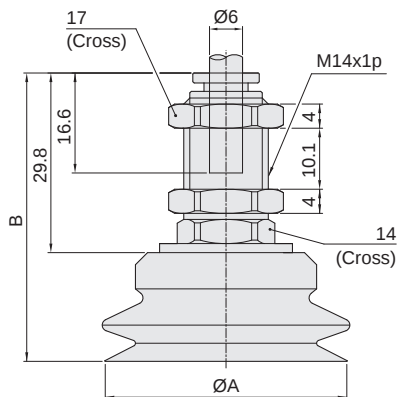
Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBK-10	Ø10	36	PU tube Ø4 x Ø2.5
	PBK-15	Ø15	37.5	

☉ Ø20 ~ Ø30



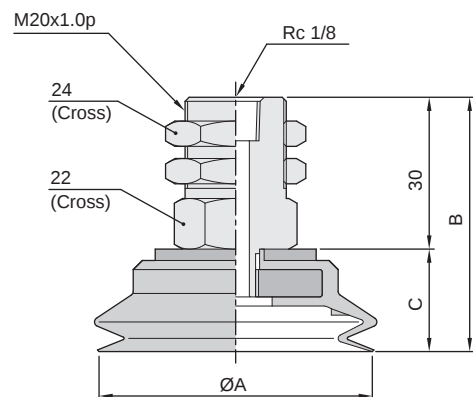
Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBK-20	Ø20	42.8	PU tube Ø6 x Ø4
	PBK-30	Ø30	47.8	

☉ Ø40 , Ø50



Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBK-40	Ø40	47.8	PU tube Ø6 x Ø4
	PBK-50	Ø50	49.8	

☉ Ø60 , Ø80



Pad type	Item	Pad dia. A	Whole length B	C	Size of PU tube
Circle pad	PBK-60	Ø60	52.5	22.5	Rc 1/8"
	PBK-80	Ø80	53.5	23.5	

PA

Pad /
Standard type

PAF

Pad /
Vertical
connection

PAK

Pad /
Vertical connection
With fitting

PAT

Pad /
Horizontal
connection

PAFS

Pad /
Vertical
spring type

PATS

Pad /
Horizontal
spring type

PB

Pad /
Bellows type

PBF

Pad /
Vertical
connection

PBK

Pad /
Vertical connection
With fitting

PBT

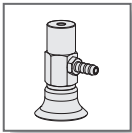
Pad /
Horizontal
connection

PBFS

Pad /
Vertical
spring type

PBTS

Pad /
Horizontal
spring type

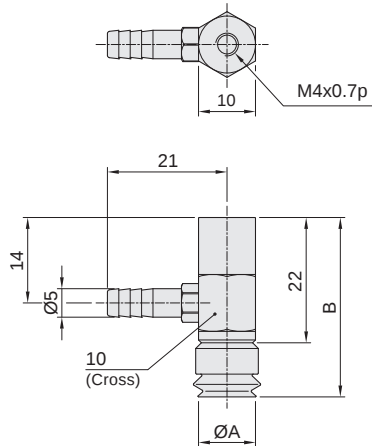


Vacuum pad / Bellows type

External dimension - PBT series / Side connection

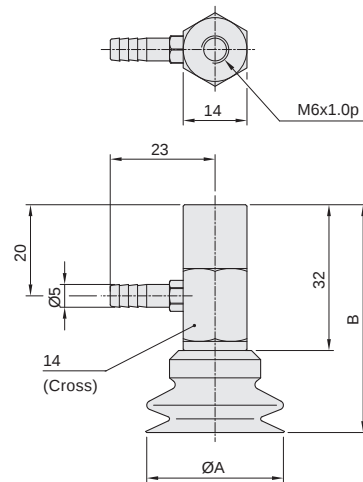
CHELIC PNEUMATIC

● Ø10 , Ø15



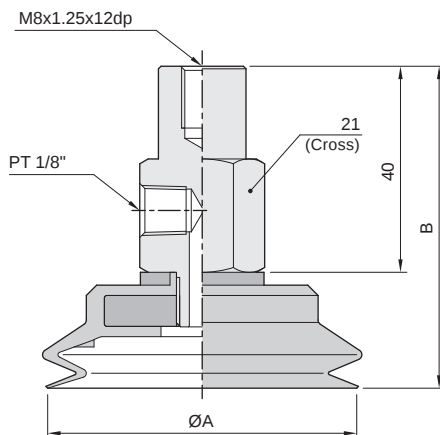
Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBT-10	Ø10	31.5	PU tube Ø6 x Ø4
	PBT-15	Ø15	33	

● Ø20 ~ Ø50

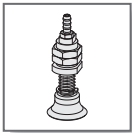


Pad type	Item	Pad dia. A	Whole length B	Size of PU tube
Circle pad	PBT-20	Ø20	45	PU tube Ø6 x Ø4
	PBT-30	Ø30	50	
	PBT-40	Ø40	50	
	PBT-50	Ø50	52	

● Ø60 , Ø80



Pad type	Item	Pad dia. A	Whole length B	C	Size of PU tube
Circle pad	PBT-60	Ø60	62.5	22.5	Rc 1/8"
	PBT-80	Ø80	63.5	23.5	

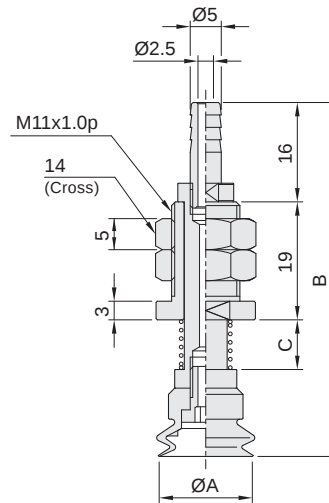


Vacuum pad / Bellows type

External dimension - PBFS series / Side spring type

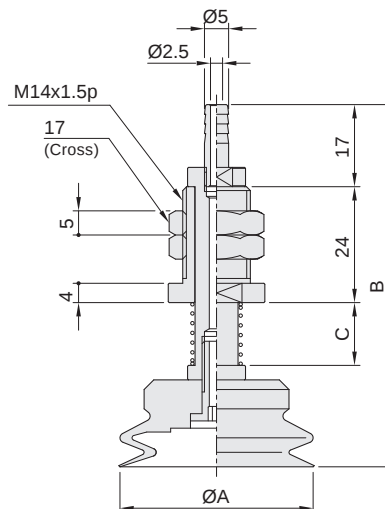
CHELIC PNEUMATIC

☉ Ø10 ~ Ø15



Pad type	Item	Pad dia. A	Stroke 4		Stroke 10		Size of PU tube	Spring elasticity length
			B	C	B	C		
Circle pad	PBFS-10	Ø10	55.5	8	67.5	20	PU tube Ø6xØ4	4 ,10
	PBFS-15	Ø15	57	8	69	20		

☉ Ø20 ~ Ø50



Pad type	Item	Pad dia. A	Stroke 6		Stroke 15		Size of PU tube	Spring elasticity length
			B	C	B	C		
Circle pad	PBFS-20	Ø20	69	13	82	30	PU tube Ø6xØ4	6 ,15
	PBFS-30	Ø30	75	13	92	30		
	PBFS-40	Ø40	75	13	92	30		
	PBFS-50	Ø50	77	13	94	30		

PA
Pad /
Standard type

PAF
Pad /
Vertical
connection

PAK
Pad /
Vertical connection
With fitting

PAT
Pad /
Horizontal
connection

PAFS
Pad /
Vertical
spring type

PATS
Pad /
Horizontal
spring type

PB
Pad /
Bellows type

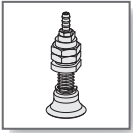
PBF
Pad /
Vertical
connection

PBK
Pad /
Vertical connection
With fitting

PBT
Pad /
Horizontal
connection

PBFS
Pad /
Vertical
spring type

PBTS
Pad /
Horizontal
spring type

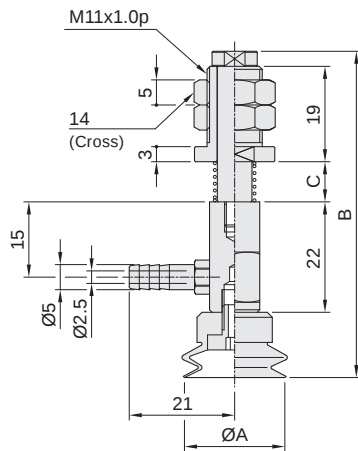


Vacuum pad / Bellows type

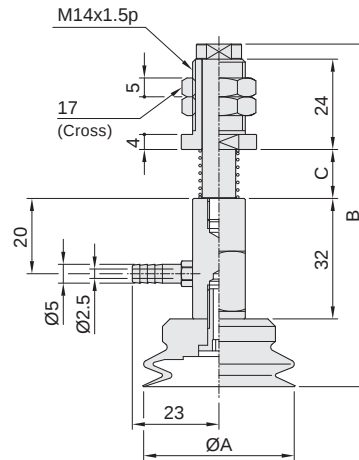
External dimension - PBTS series / Side spring type

CHELIC PNEUMATIC

● Ø10 , Ø15



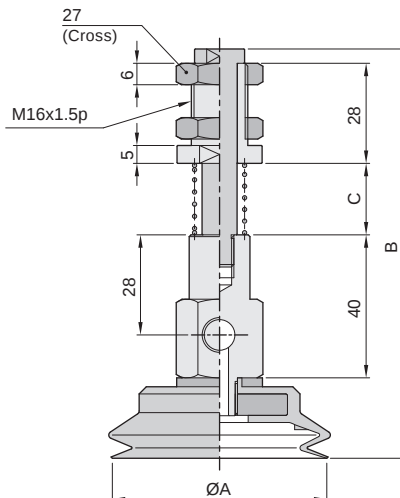
● Ø20 ~ Ø50



Pad type	Item	Pad dia. A	Stroke 4		Stroke 10		Size of PU tube	Spring elasticity length
			B	C	B	C		
Circle pad	PBTS-10	Ø10	61.5	8	73.5	20	PU tube Ø6xØ4	4 ,10
	PBTS-15	Ø15	63	8	75	20		

Pad type	Item	Pad dia. A	Stroke 6		Stroke 15		Size of PU tube	Spring elasticity length
			B	C	B	C		
Circle pad	PBTS-20	Ø20	83	13	96	30	PU tube Ø6xØ4	6 ,15
	PBTS-30	Ø30	91	13	108	30		
	PBTS-40	Ø40	91	13	108	30		
	PBTS-50	Ø50	93	13	110	30		

● Ø60 , Ø80



Pad type	Item	Pad dia. A	Stroke 10		Stroke 30		Size of PU tube	Spring elasticity length
			B	C	B	C		
Circle pad	PBTS-60	Ø60	114.5	20	154.5	60	Rc 1/8"	10 ,30
	PBTS-80	Ø80	115.5	20	155.5	60		