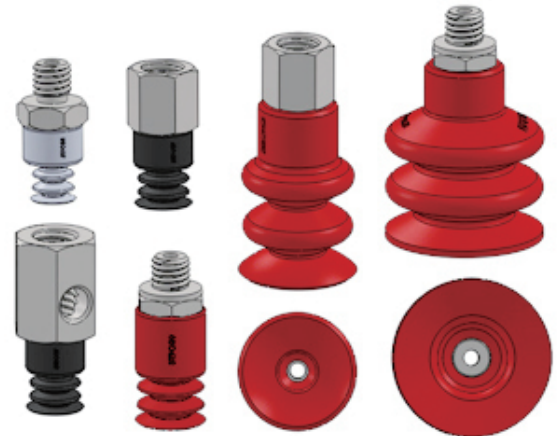


STPCG 5 & 7 & 9 & 15 & 20

* 진공패드 색상별 재질별 특성표를 참조 바랍니다.
* Refer to the characteristic table for the color of the material of the vacuum pad.

제품의 특징 (Features of Product)

- ▶ 레벨 조절에 적합
- ▶ 작고 얇은 물체를 분리 이송
- ▶ 주름이 있어 높낮이가 다른 물체 이송에 적합
- ▶ Suitable for level adjustment
- ▶ Lifting movement to separate small and thin objects
- ▶ There is another wrinkle height suitable objects



적용분야 (Applications)

- ▶ 종이 (Paper), 필름 (Film), 전자부품 (Electronic Components), 유리 (Glass)



2D download

3D download

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재질별 특성 (Material properties)

재질 Material	색상 Color	경도 (Hs) Hardness	사용온도 (°C) Working Temperature	비 점착성 Non-sticky	내유성 Oil resistance	내마모성 Abrasion resistance	내후성 Weatherability	체적저항률 Volume resistivity
NBR	N		60~70	-25~110	X	○	○	-
Silicon	S		60~70	-95~220	○	X	◎	-
C.Silicon	CS		50~60	-40~110	○	X	◎	$10^2 \sim 10^4 \Omega \cdot \text{cm}$
C.Silicon58	CS58		50~60	-40~110	○	X	◎	$10^5 \sim 10^8 \Omega \cdot \text{cm}$
C.Silicon69	CS69		50~60	-40~110	○	X	◎	$10^6 \sim 10^9 \Omega \cdot \text{cm}$
NBR Mark free	NMF		60~70	-25~110	X	○	○	-
Silicon Mark free	SMF		60~70	-95~220	○	X	◎	-
C.Silicon Mark free	CSMF		50~60	-40~110	○	X	◎	$10^2 \sim 10^4 \Omega \cdot \text{cm}$
C.Silicon58 Mark free	CS58MF		50~60	-40~110	○	X	◎	$10^5 \sim 10^8 \Omega \cdot \text{cm}$
C.Silicon69 Mark free	CS69MF		50~60	-40~110	○	X	◎	$10^6 \sim 10^9 \Omega \cdot \text{cm}$
EPDM	EP		50~60	-0~150	X	X	◎	-

* MF는 특수사양으로 생산 가능합니다.

* 특수 재질은 주문사양으로 생산 가능합니다.

* MF can be produced in special order specifications.

* Special material can be produced by custom specification.

체적저항률 (Volume resistivity) $10^2 \sim 10^4 \Omega \cdot \text{cm}$ → 도전성 (Conductivity)

체적저항률 (Volume resistivity) $10^5 \sim 10^8 \Omega \cdot \text{cm}$ → 분산성 (Dispersibility)

체적저항률 (Volume resistivity) $10^6 \sim 10^9 \Omega \cdot \text{cm}$ → 분산성 (Dispersibility)

◎ : 최적합 (Excellent)

○ : 적합 (Suitable)

△ : 양호 (Good)

X : 부적합 (Unsuitable)

표면 저항 측정방법 (Method of measuring surface resistance.)

측정 포인트 Measurement point	1. 자사 측정환경 (Measurement environment) - 온도 (Temperature) 19°C~25°C, 습도 (Humidity) 25%~35% 2. 표면저항 측정기 (Surface resistance meter) - TREK 152 (made in USA) 3.패드 바닥면 저항 측정 (Pad bottom resistance measurement) - 2 point ※ 표면저항 측정시 온도·습도 등 환경에 따라서 표면저항률이 변동될 수 있음 (Surface resistivity may vary depending on environment such as temperature and humidity when measuring surface resistance)
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Order No.

STPCG5

패드 (Pad)

①

재질 (Material)

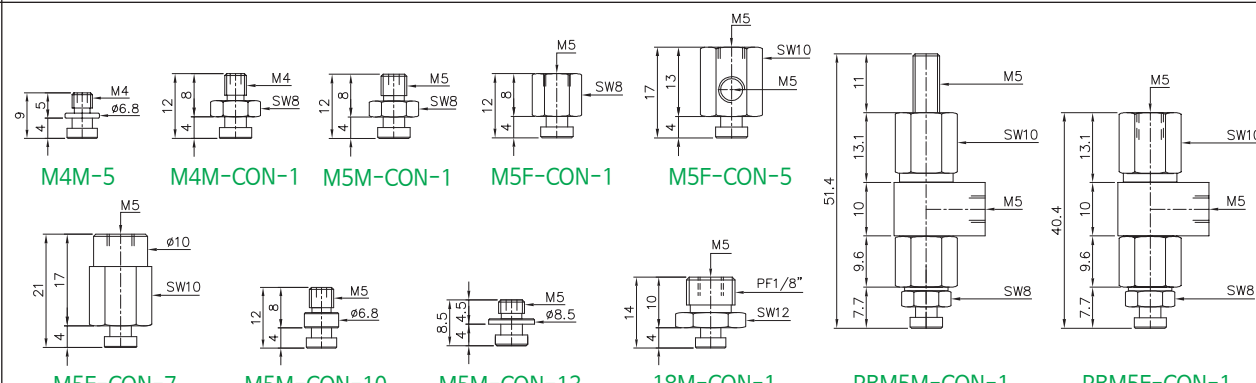
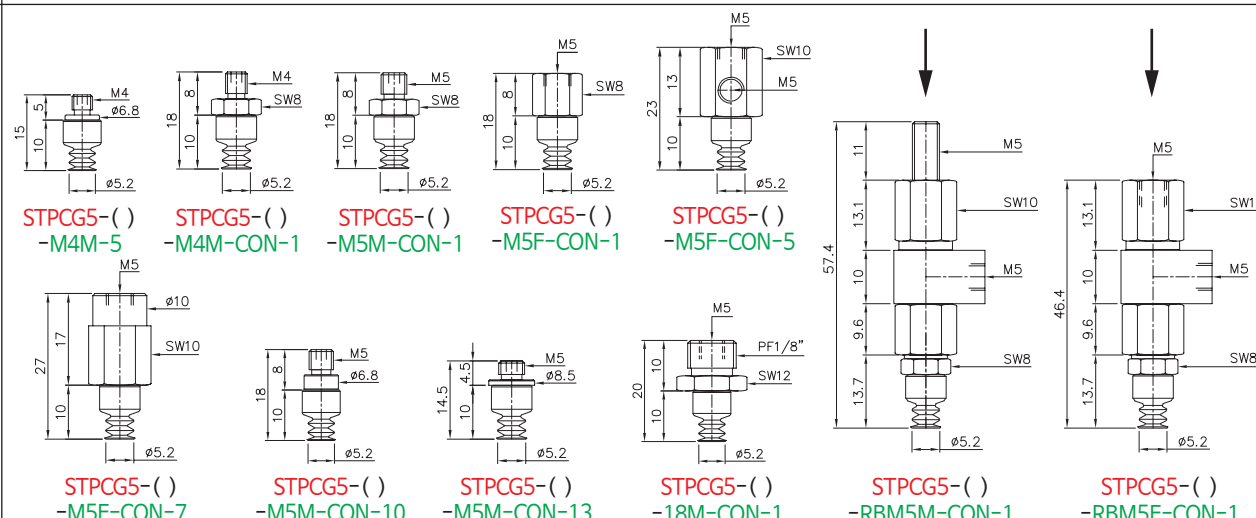
N (NBR)
S (Silicon)
CS (C.Silicon)
CS58 (5~8 C.Silicon)
CS69 (6~9 C.Silicon)
NMF (NBR Mark free)
SMF (Silicon Mark free)
CSMF (C.Silicon Mark free)
CS58MF (5~8 C.Silicon Mark free)
CS69MF (6~9 C.Silicon Mark free)
EP (EPDM)

②

나사연결 (Screw connection)

X (None)
M4M-5 (M4 수나사 - Male)
M4M-CON-1 (M4 수나사 - Male)
M5M-CON-1 (M5 수나사 - Male)
M5F-CON-1 (M5 암나사 - Female)
M5F-CON-5 (M5 암나사 - Female) M5 Female thread side
M5F-CON-7 (M5 암나사 - Female)
M5M-CON-10 (M5 수나사 - Male)
M5M-CON-13 (M5 수나사 - Male)
18M-CON-1 (PF 1/8" 수나사 - Male, M5 암나사 - Female)
RBM5M-CON-1 (M5 수나사 - Male) M5 Female thread side
RBM5F-CON-1 (M5 암나사 - Female) M5 Female thread side

ex) 패드 : **STPCG5**, 재질 : **NBR**, 나사연결 : **M5암나사**가 필요한 경우, **STPCG5 - N - M5F-CON-1** 을 주문하시면 됩니다.

Pad						
Fitting						
Pad & Fitting						

* ()안에 재질 선택 Select the material in ()

진공도별 최대 이송력 (Up by vacuum transfer power)

모델 Model	치수 (φ) Dimension	부피 (cm³) Volume	수직 이송력 (kg) Perpendicular Lifting Force			수평 이송력 (kg) Parallel Lifting Force		
▼	▼	▼	- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
STPCG 5	φ5.2	0.08	0.03	0.08	0.1			

Order No.

STPCG7

패드 (Pad)

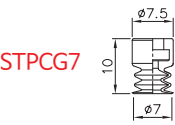
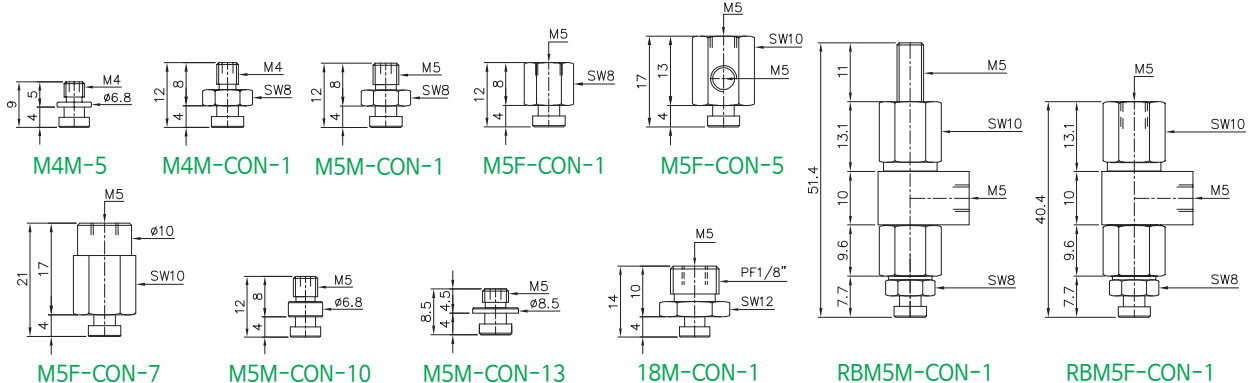
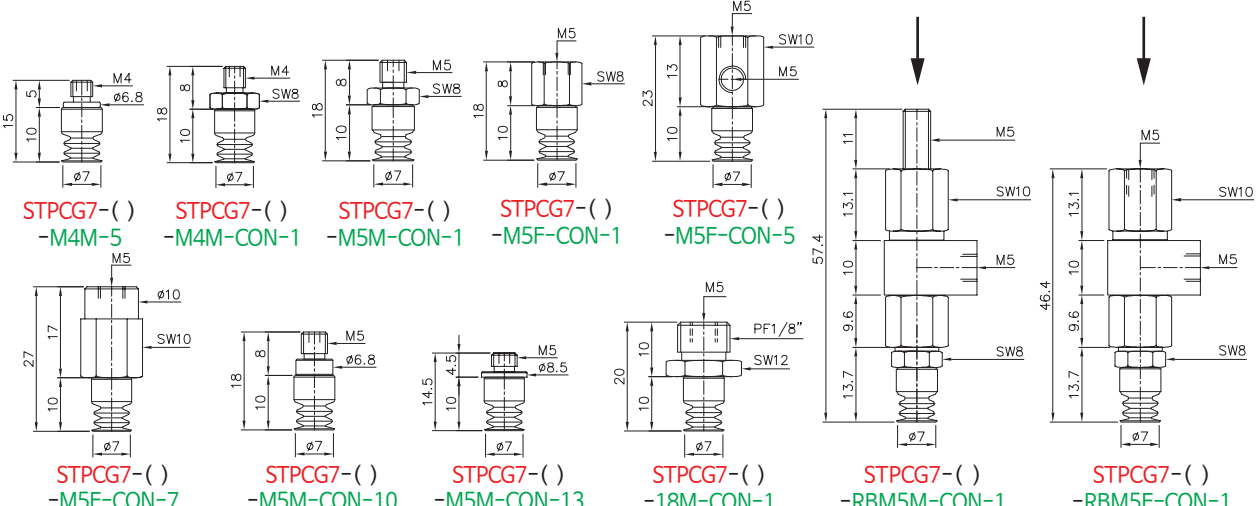
① 재질 (Material)

N (NBR)
S (Silicon)
CS (C.Silicon)
CS58 (5~8 C.Silicon)
CS69 (6~9 C.Silicon)
NMF (NBR Mark free)
SMF (Silicon Mark free)
CSMF (C.Silicon Mark free)
CS58MF (5~8 C.Silicon Mark free)
CS69MF (6~9 C.Silicon Mark free)
EP (EPDM)

② 나사연결 (Screw connection)

X (None)
M4M-5 (M4 수나사 - Male)
M4M-CON-1 (M4 수나사 - Male)
M5M-CON-1 (M5 수나사 - Male)
M5F-CON-1 (M5 암나사 - Female)
M5F-CON-5 (M5 암나사 - Female) M5 Female thread side
M5F-CON-7 (M5 암나사 - Female)
M5M-CON-10 (M5 수나사 - Male)
M5M-CON-13 (M5 수나사 - Male)
18M-CON-1 (PF 1/8" 수나사 - Male, M5 암나사 - Female)
RBM5M-CON-1 (M5 수나사 - Male) M5 Female thread side
RBM5F-CON-1 (M5 암나사 - Female) M5 Female thread side

ex) 패드 : **STPCG7**, 재질 : **NBR**, 나사연결 : **M5암나사**가 필요한 경우, **STPCG7 - N - M5F-CON-1** 을 주문하시면 됩니다.

Pad						
Fitting						
Pad & Fitting						

* ()안에 재질 선택 Select the material in ()

진공도별 최대 이송력 (Up by vacuum transfer power)

모델 Model	치수 (φ) Dimension	부피 (cm³) Volume	수직 이송력 (kg) Perpendicular Lifting Force			수평 이송력 (kg) Parallel Lifting Force		
▼	▼	▼	- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
STPCG 7	φ7	0.11	0.08	0.16	0.25			

Order No.

STPCG9

패드 (Pad)

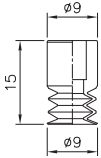
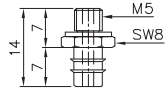
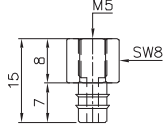
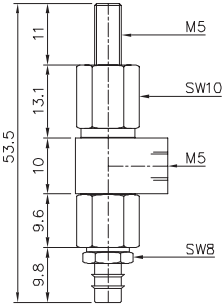
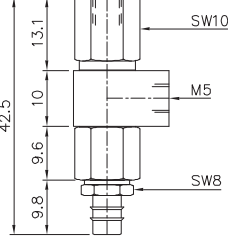
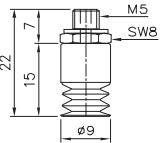
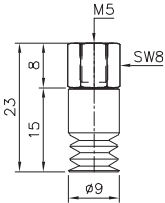
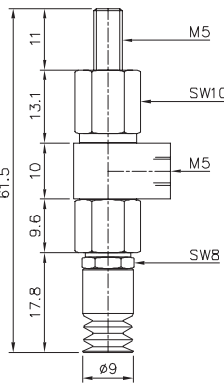
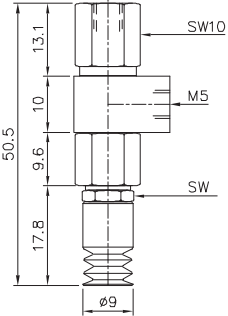
① 재질 (Material)

N (NBR)
S (Silicon)
CS (C.Silicon)
CS58 (5~8 C.Silicon)
CS69 (6~9 C.Silicon)
NMF (NBR Mark free)
SMF (Silicon Mark free)
CSMF (C.Silicon Mark free)
CS58MF (5~8 C.Silicon Mark free)
CS69MF (6~9 C.Silicon Mark free)
EP (EPDM)

② 나사연결 (Screw connection)

X (None)
M5M-CON-4 (M5 수나사 - Male)
M5F-CON-4 (M5 암나사 - Female)
RBM5M-CON-4 (M5 수나사 - Male) M5 Female thread side
RBM5F-CON-4 (M5 암나사 - Female) M5 Female thread side

ex) 패드 : STPCG9, 재질 : NBR, 나사연결 : M5수나사가 필요한 경우, STPCG9 - N - M5M-CON-4 를 주문하시면 됩니다.

Pad				
Fitting	 M5M-CON-4	 M5F-CON-4	 RBM5M-CON-4	 RBM5F-CON-4
Pad & Fitting	 STPCG9-() -M5M-CON-4	 STPCG9-() -M5F-CON-4	 STPCG9-() -RBM5M-CON-4	 STPCG9-() -RBM5F-CON-4

* () 안에 재질 선택 Select the material in ()

진공도별 최대 이송력 (Up by vacuum transfer power)

모델 Model	치수 (φ) Dimension	부피 (cm³) Volume	수직 이송력 (kg) Perpendicular Lifting Force			수평 이송력 (kg) Parallel Lifting Force		
▼	▼	▼	- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
STPCG 9	φ9	0.39	0.15	0.34	0.5			

Order No.

STPCG15

패드 (Pad)

①

재질 (Material)

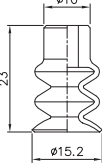
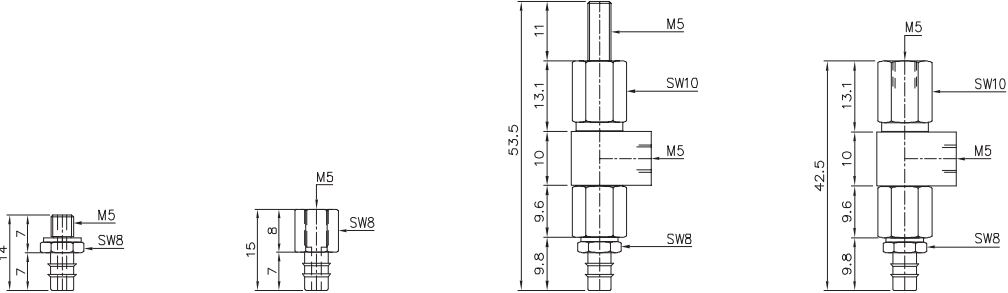
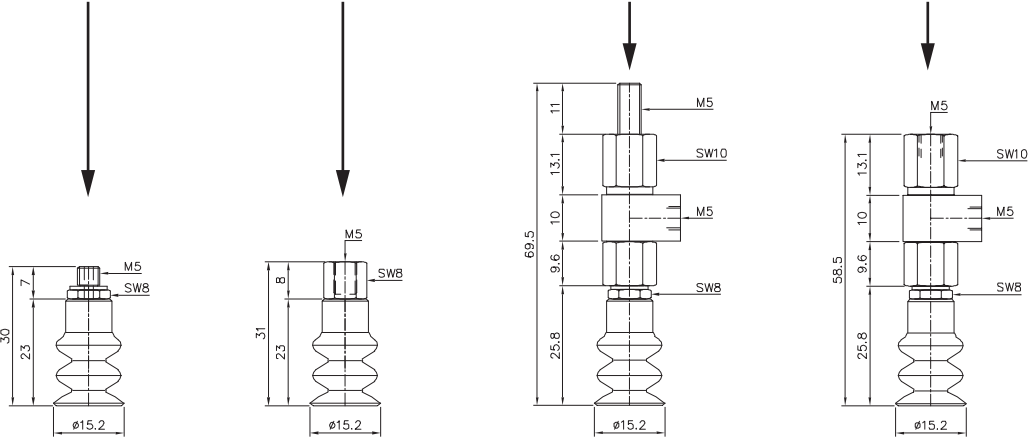
②

나사연결 (Screw connection)

N (NBR)
S (Silicon)
CS (C.Silicon)
CS58 (5~8 C.Silicon)
CS69 (6~9 C.Silicon)
NMF (NBR Mark free)
SMF (Silicon Mark free)
CSMF (C.Silicon Mark free)
CS58MF (5~8 C.Silicon Mark free)
CS69MF (6~9 C.Silicon Mark free)
EP (EPDM)

X (None)
M5M-CON-4 (M5 수나사 - Male)
M5F-CON-4 (M5 암나사 - Female)
RBM5M-CON-4 (M5 수나사 - Male) M5 Female thread side
RBM5F-CON-4 (M5 암나사 - Female) M5 Female thread side

ex) 패드 : STPCG15, 재질 : NBR, 나사연결 : M5수나사가 필요한 경우, STPCG15 - N - M5M-CON-4 를 주문하시면 됩니다.

Pad	 STPCG15			
Fitting	 M5M-CON-4 M5F-CON-4 RBM5M-CON-4 RBM5F-CON-4			
Pad & Fitting	 STPCG15- () -M5M-CON-4 STPCG15- () -M5F-CON-4 STPCG15- () -RBM5M-CON-4 STPCG15- () -RBM5F-CON-4			

* () 안에 재질 선택 Select the material in ()

진공도별 최대 이송력 (Up by vacuum transfer power)

모델 Model	치수 (φ) Dimension	부피 (cm³) Volume	수직 이송력 (kg) Perpendicular Lifting Force			수평 이송력 (kg) Parallel Lifting Force		
▼	▼	▼	- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
STPCG15	φ15.2	0.29	0.29	0.6	0.9			

Order No.

STPCG20

패드 (Pad)

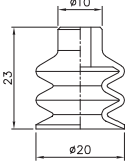
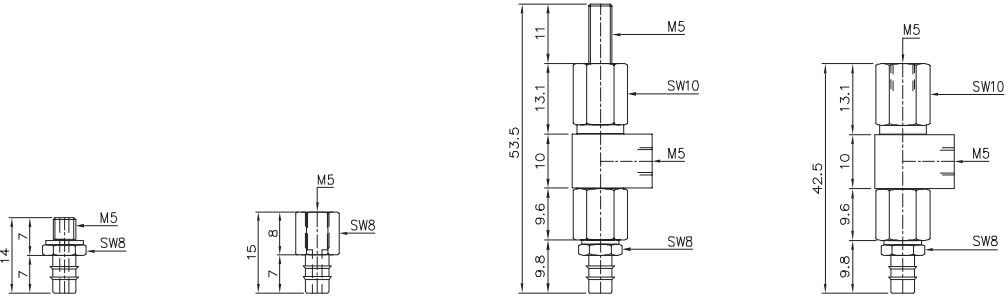
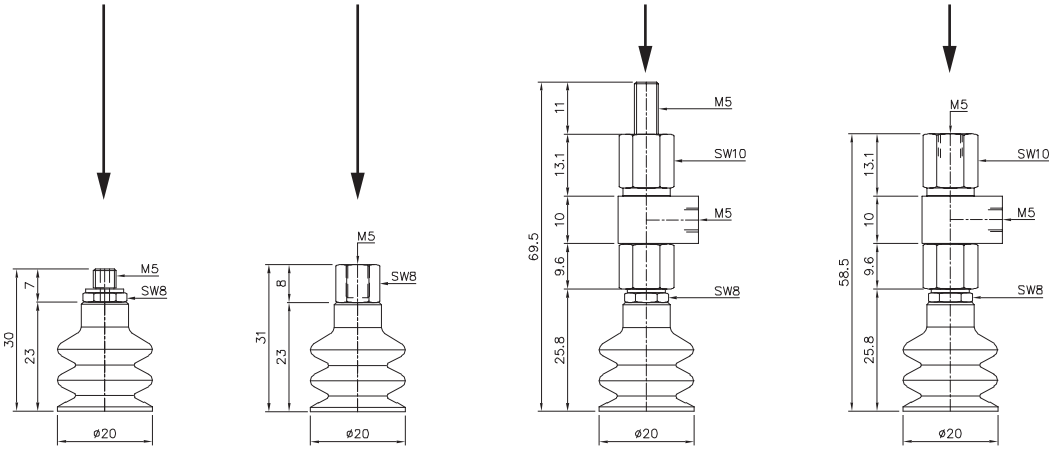
① 재질 (Material)

N (NBR)
S (Silicon)
CS (C.Silicon)
CS58 (5~8 C.Silicon)
CS69 (6~9 C.Silicon)
NMF (NBR Mark free)
SMF (Silicon Mark free)
CSMF (C.Silicon Mark free)
CS58MF (5~8 C.Silicon Mark free)
CS69MF (6~9 C.Silicon Mark free)
EP (EPDM)

② 나사연결 (Screw connection)

X (None)
M5M-CON-4 (M5 수나사 - Male)
M5F-CON-4 (M5 암나사 - Female)
RBM5M-CON-4 (M5 수나사 - Male) M5 Female thread side
RBM5F-CON-4 (M5 암나사 - Female) M5 Female thread side

ex) 패드 : **STPCG20**, 재질 : **NBR**, 나사연결 : **M5수나사**가 필요한 경우, **STPCG20 - N - M5M-CON-4** 를 주문하시면 됩니다.

Pad	 STPCG20			
Fitting	 M5M-CON-4 M5F-CON-4 RBM5M-CON-4 RBM5F-CON-4			
Pad & Fitting	 STPCG20-() -M5M-CON-4 STPCG20-() -M5F-CON-4 STPCG20-() -RBM5M-CON-4 STPCG20-() -RBM5F-CON-4			

* ()안에 재질 선택 Select the material in ()

진공도별 최대 이송력 (Up by vacuum transfer power)

모델 Model	치수 (φ) Dimension	부피 (cm³) Volume	수직 이송력 (kg) Perpendicular Lifting Force			수평 이송력 (kg) Parallel Lifting Force		
▼	▼	▼	- 20 kPa	- 60 kPa	- 90 kPa	- 20 kPa	- 60 kPa	- 90 kPa
STPCG 20	φ20	4	0.6	1.0	1.42			