

真空吸盘 Vacuum Cups



亮点 Highlights

- 尺寸和材质多种规格可选
- 密封唇柔软且有锥度
- 吸盘顶部有加强筋结构
- 最优结构设计
- 底部支撑结构

- Various sizes and materials are available
- **Soft and tapered sealing lip**
- **Rib structure on the top of the suction cup**
- **Optimum structural design**
- **Bottom support structure**

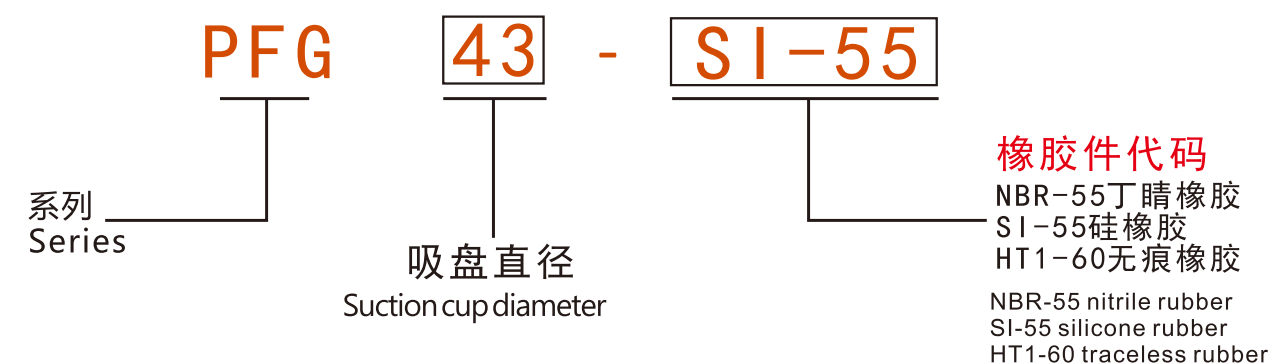
优势 Advantage

- 适合不同尺寸和形状的工件
- 结构对曲面和不平整的工件有很强的适应性
- 高速运动时，具有极强的水平和横向抓取力
- 尺寸小、吸力大
- 搬运薄壁工件不会产生永久变形

- Suitable for workpieces of different sizes and shape
- Strong adaptability to curved surfaces and uneven workpieces
- Strong horizontal and lateral grabbing force when moving at high speed
- Small size and high suction
- Handling thin-walled workpieces without permanent deformation

型号表示方法

Model representation methods



运用案例

Application example



包装行业
packaging industry



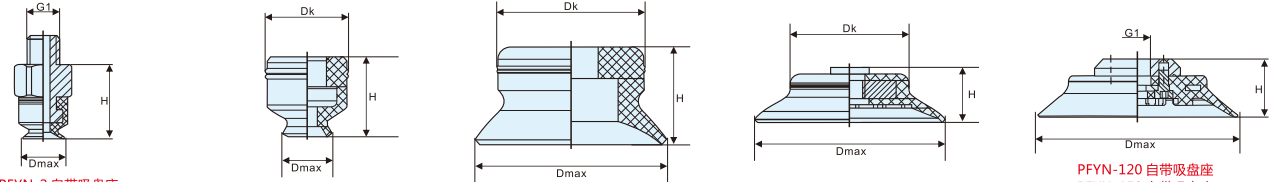
电子行业
Electronics industry



注塑行业
Injection molding industry

吸盘PFG系列 (扁平式) Vacuum Cups PFG Series

PFYN-2...PFYN3.5 PFG-5...PFG-10 PFG-15...PFG-50 PFG-60...PFG-95 PFYN-120...PFYN-200



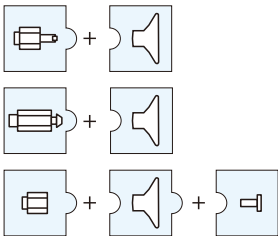
型号 (Model)	吸力 (N) ⁽¹⁾	推荐真空管 内径(mm)	G1 (mm)	Dk (mm)	Dmax (mm)	H (mm)	SI-55 (透明)	HT1-60 (蓝色)	NBR-55 (黑色)	重量 (Weight)
PFYN-2-...	0.12	2	M3-M	-	2.5	6.0	○	●	●	1g
PFYN-3.5-...	0.42	2	M3-M	4.2	4.0	6.0	○	●	●	1g
PFG-5-...	0.75	2	-	7.7	5.5	6.5	○	●	●	0.15g
PFG-6-...	1.2	2	-	7.7	6.5	6.5	○	●	●	0.17g
PFG-8-...	2.3	2	-	8.2	9.0	7.0	○	●	●	0.23g
PFG-10-...	4.0	2	-	8.7	11.5	7.5	○	●	●	0.30g
PFG-15-...	9.0	4	-	12.2	17.5	8.0	○	●	●	1g
PFG-20-...	15.5	4	-	15.2	23.0	10.0	○	●	●	1g
PFG-25-...	26.5	4	-	16.2	27.5	14.0	○	●	●	3g
PFG-30-...	34.0	4	-	15.1	31.5	12.0	○	●	●	3g
PFG-35-...	44.0	4	-	20.5	38.0	14.0	○	●	●	6g
PFG-40-...	57.7	4	-	24.3	43.0	14.0	○	●	●	7g
PFG-50-...	91.0	4	-	29.1	53.5	15.0	○	●	●	11g
PFG-60-...	125	6	-	38.7	64.0	18.0	○	●	●	25g
PFG-80-...	260	6	-	52.3	86.0	20.5	○	●	●	52g
PFG-95-...	350	6	-	68.2	102.0	19.0	○	●	●	93g
PFYN-120-...	540	9	G1/2-F	89.5	124	23.5	○	●	●	223g
PFYN-150-...	842	9	G1/2-F	104.5	158	31.0	○	●	●	391g
PFYN-200-...	1498	9	G1/2-F	142.5	222	37.0	○	●	●	555g

(1)上述规定吸力为在真空度为-0.6bar时的理论值,对于表面光滑、干燥的工件而言,未包括安全系数。

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

安装方式
Types of assembly

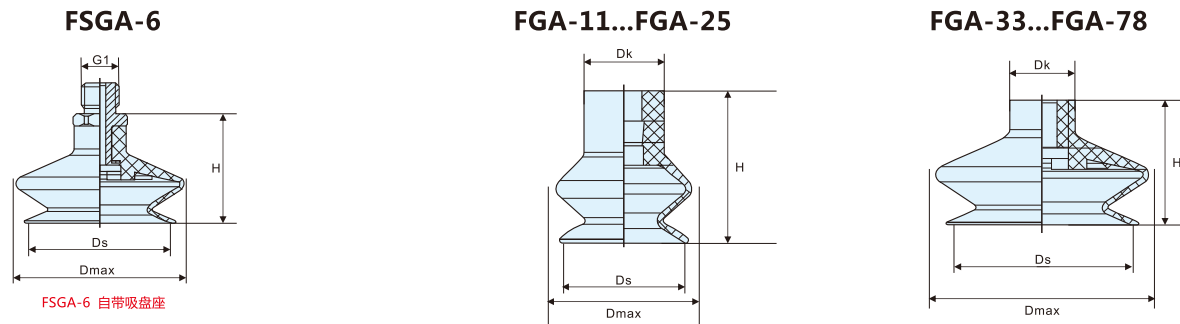
直插式
Factory-crimped fitting:
直插式
Hollow shaft fitting:
分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VCF29-M5、VCF30-G18	PFG-5~PFG-10
VCF31-M5、VCF32-G18	PFG-15
VCF33-M5、VCF34-G18	PFG-20
VCF35-M5、VCF36-G18	PFG-25~PFG-40
VCF37-M5、VCF38-G18	PFG-50
VCF-G14M-M10M	PFG-60~PFG-95

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘FGA系列 (波纹管式/2层) Vacuum Cups FGA Series



型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾⁽²⁾	推荐真空管 内径(mm)	G1 (mm)	Dk (mm)	Dmax(S) (mm)	Ds (mm)	H (mm)	SI-55 (透明)	HT1-60 (蓝色)	NBR-55 (黑色)	重量 (Weight)
FSGA-6-...	0.4	1.4	4	M5-M	-	8.0	5.7	14	○	●	●	2g
FGA-11-...	0.95	3.8	4	-	10	13.0	10.4	16.0	○	●	●	1g
FGA-14-...	1.2	5.0	4	-	10	14.5	12.5	15.5	○	●	●	1g
FGA-16-...	2.3	6.7	4	-	10	18.5	15.6	19.2	○	●	●	1g
FGA-20-...	4.7	10.7	4	-	10	21.0	18.1	15.2	○	●	●	2g
FGA-22-...	5.7	15.2	4	-	10	25.0	21.5	19.0	○	●	●	2g
FGA-25-...	5.3	17.3	4	-	10	26.5	22.5	23.0	○	●	●	3g
FGA-33-...	13.6	39.6	6	-	18	38.0	30.0	27.0	○	●	●	7g
FGA-43-...	22.8	64.5	6	-	18	47.5	38.0	27.6	○	●	●	11g
FGA-53-...	51.3	95	6	-	18	60.0	50.0	34.0	○	●	●	19g
FGA-63-...	85.0	135	6	-	18	68.0	60.0	34.0	○	●	●	24g
FGA-78-...	137.4	218	6	-	25	84.5	74.0	47.0	○	●	●	56g

(1)上述规定吸力为在真空度为-0.6bar时的理论值,对于表面光滑、干燥的工件而言,未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

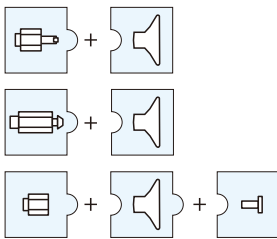
(2)天然橡胶材质的吸盘,其拉脱力约降低40%。

(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.



安装方式
Types of assembly

直插式
Factory-crimped fitting:
直插式
Hollow shaft fitting:
分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)

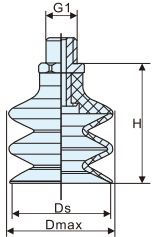


吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VCF39-M5、VCF40-G18	FGA-11~FGA-25
VCF24-G18、VCF04-G14	FGA-33~FGA-63
VCF41-G14	FGA-78

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-40 to 220	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-25 to 170	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

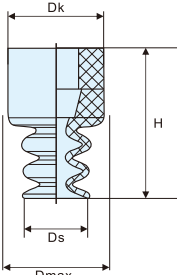
吸盘FG系列 (波纹管式/3层) Vacuum Cups FG Series

FSG-3...FSG-5

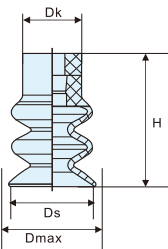


FSG-3 自带接头
FSG-4 自带接头
FSG-5 自带接头

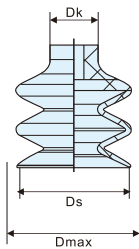
FG-7...FG-9



FG-12...FG-25



FG-32...FG-88



型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾⁽²⁾	推荐真空管 内径(mm)	G1 (mm)	Dk (mm)	Dmax(S) (mm)	DS (mm)	H (mm)	SI-55 (透明)	HT1-60 (蓝色)	NBR-55 (黑色)	重量 (Weight)
FSG-3-...	0.2	0.4	2	M3-M	-	4.0	3.0	8.7	°	•	•	1g
FSG-4-...	0.3	0.6	2	M5-M	-	7.0	3.8	19.0	°	•	•	2g
FSG-5-...	0.2	0.8	2	M5-M	-	7.0	5.0	19.0	°	•	•	2g
FG-7-...	0.1	0.9	4	-	9	9.0	5.9	14	°	•	•	1g
FG-9-...	0.7	2.3	4	-	9	9.5	9.0	15	°	•	•	1g
FG-12-...	0.9	3.5	4	-	10	13.0	12.0	21.0	°	•	•	1g
FG-14-...	1.2	5.7	4	-	10	15.5	14.5	22.8	°	•	•	2g
FG-18-...	2.3	8.5	4	-	10	19.0	17.2	22.6	°	•	•	2g
FG-20-...	3.8	12.1	4	-	10	21.0	20.0	22.1	°	•	•	2g
FG-25-...	4.5	19.0	4	-	10	26.0	23.0	34.0	°	•	•	4g
FG-32-...	12.0	36.9	6	-	18	33.5	32	37.5	°	•	•	10g
FG-42-...	13.6	44	6	-	18	45	42.6	46	°	•	•	18g
FG-52-...	27.0	96	6	-	18	55	52.5	48.7	°	•	•	24g
FG-62-...	39.6	137	6	-	18	65	62.2	54	°	•	•	39g
FG-88-...	45.2	286	9	-	25	95.5	89	86.5	°	•	•	166g

(1)上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

(2)天然橡胶材质的吸盘，其拉脱力约降低40%。

(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.

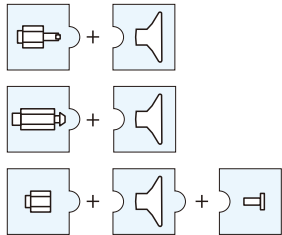
安装方式
Types of assembly

直插式
Factory-crimped fitting:

直插式
Hollow shaft fitting:

分体式
接头和空心螺钉

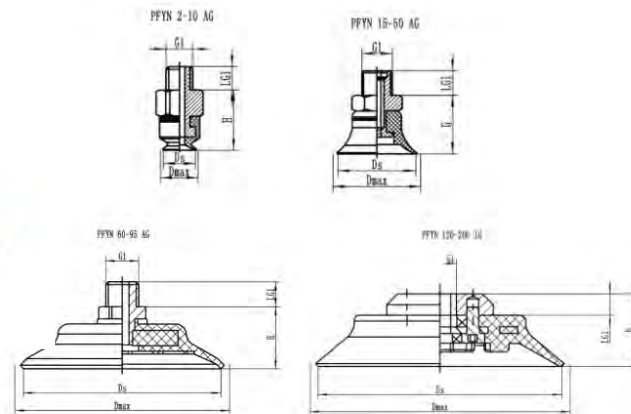
Removable fitting:
(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VCF39-M5、VCF40-G18	FG-7~FG-25
VCF24-G18、VCF04-G14	FG-32~FG-62
VCF41-G14	FG-88

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-40 to 220	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-25 to 170	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘PFYN系列(扁平式) Vacuum Cups PFG Series



型号 (Model)	吸力 (N) ⁽¹⁾	推荐真空管 内径(mm)	G1 (mm)	DS (mm)	Dmax (mm)	H (mm)	LG1 (mm)	NBR-55 (黑色)	SI-55 (透明)	HT1-60 (蓝色)	重量 (Weight)
PFYN-2-...	0.12	2	M3-M	2.0	2.5	6.0	3.0	•	°	•	1g
PFYN-3.5-...	0.42	2	M3-M	3.5	4.0	6.0	3.0	•	°	•	1g
PFYN-5-...	0.75	2	M5-M	5.0	5.5	11.5	4.5	•	°	•	1g
PFYN-6-...	1.2	2	M5-M	6.0	6.5	11.5	4.5	•	°	•	1g
PFYN-8-...	2.3	2	M5-M	8.0	9.0	12.0	4.0	•	°	•	1g
PFYN-10-...	4.0	2	M5-M	10.0	11.5	12.5	4.5	•	°	•	4g
PFYN-15-...	9.0	4	G1/8-M	15.0	17.5	13.0	8.0	•	°	•	5g
PFYN-20-...	15.5	4	G1/8-M	20.0	23.0	15.0	8.0	•	°	•	6g
PFYN-25-...	26.5	4	G1/8-M	25.0	27.5	19.0	8.0	•	°	•	7g
PFYN-30-...	34.0	4	G1/8-M	28.8	31.5	17.0	8.0	•	°	•	8g
PFYN-35-...	44.0	4	G1/8-M	35.0	38.0	19.0	8.0	•	°	•	11g
PFYN-40-...	57.7	4	G1/8-M	40.0	43.0	19.0	8.0	•	°	•	12g
PFYN-50-...	91.0	4	G1/8-M	50.0	53.5	20.0	8.0	•	°	•	15g
PFYN-60-...	125	6	G1/4-M	60.0	64.0	23.0	10.0	•	°	•	34g
PFYN-80-...	260	6	G1/4-M	80.0	86.0	25.0	10.0	•	°	•	63g
PFYN-95-...	350	6	G1/4-M	95.0	102.0	25.5	10.0	•	°	•	102g
PFYN-120-...	540	9	G1/2-F	120.0	124.0	36.5	13.0	•	°	•	353g
PFYN-150-...	842	9	G1/2-F	147.5	158.0	45.5	13.0	•	°	•	521g
PFYN-200-...	1498	9	G1/2-F	193.0	222.0	50.5	13.0	•	°	•	785g

(1)上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数

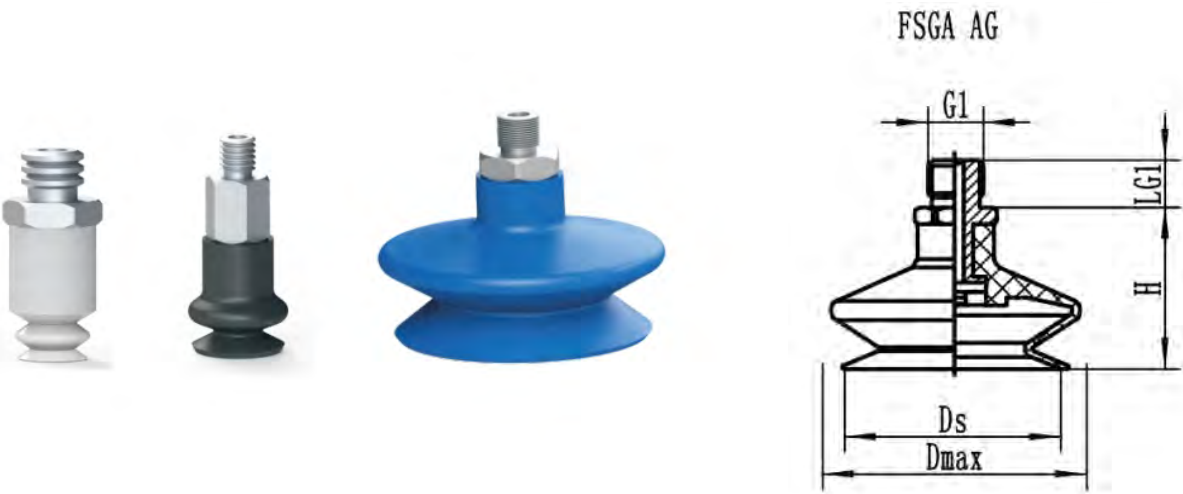
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技术参数

Technical Parameters

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘FSGA系列(波纹管式/2层)Vacuum Cups FGA Series



型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾⁽²⁾	推荐真空管 内径(mm)	G1 (mm)	DS (mm)	Dmax (mm)	H (mm)	LG1 (mm)	NBR-55 (黑色)	SI-55 (透明)	HT1-60 (蓝色)	重量 (Weight)
FSGA-6-...	0.4	1.4	4	M5-M	5.7	8.0	14.0	4.5	•	◦	•	2g
FSGA-11-...	0.95	3.8	4	M5-M	10.0	13.0	21.0	5.0	•	◦	•	2g
FSGA-14-...	1.2	5.0	4	M5-M	12.5	14.5	20.5	5.0	•	◦	•	2g
FSGA-16-...	2.3	6.7	4	G1/8-M	15.6	18.5	25.2	7.5	•	◦	•	5g
FSGA-20-...	4.7	10.7	4	G1/8-M	18.1	21.0	21.2	7.5	•	◦	•	5g
FSGA-22-...	5.7	15.2	4	G1/8-M	21.5	25.0	25.0	7.5	•	◦	•	6g
FSGA-25-...	5.3	17.3	4	G1/8-M	22.5	26.5	29.0	7.5	•	◦	•	6g
FSGA-33-...	13.6	39.6	6	G1/8-M	30.0	38.0	31.0	11.0	•	◦	•	16g
FSGA-43-...	22.8	64.5	6	G1/8-M	38.0	47.5	31.6	11.0	•	◦	•	19g
FSGA-53-...	51.3	95	6	G1/8-M	50.0	60.0	38.0	11.0	•	◦	•	27g
FSGA-63-...	85.0	135	6	G1/8-M	60.0	68.0	38.0	11.0	•	◦	•	34g
FSGA-78-...	137.4	218	6	G1/4-M	74.0	84.5	53.0	11.0	•	◦	•	71g

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(2)天然橡胶材质的吸盘，其拉脱力约降低40%。
(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.

技术参数
Technical Parameters

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-40 to 220	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘PFYN系列(扁平式) Vacuum Cups PFG Series



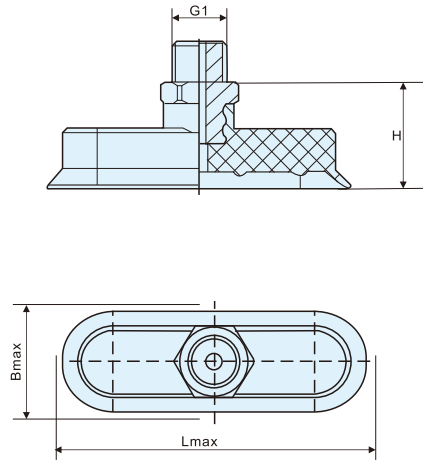
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FSG-3-...	0.2	0.4	2	M3-M	4.0	3.0	8.7	3.0	•	◦	•	1g
FSG-4-...	0.3	0.6	2	M5-M	7.0	3.8	19.0	5.0	•	◦	•	2g
FSG-5-...	0.2	0.8	2	M5-M	7.0	5.0	19.0	5.0	•	◦	•	2g
FSG-7-...	0.1	0.9	4	M5-M	9.0	5.9	19.0	5.0	•	◦	•	2g
FSG-9-...	0.7	2.3	4	M5-M	9.5	9.0	20.0	5.0	•	◦	•	2g
FSG-12-...	0.9	3.5	4	M5-M	13.0	12.0	26.0	5.0	•	◦	•	2g
FSG-14-...	1.2	5.7	4	M5-M	15.5	14.5	27.8	5.0	•	◦	•	3g
FSG-18-...	2.3	8.5	4	G1/8-M	19.0	17.2	28.6	7.5	•	◦	•	6g
FSG-20-...	3.8	12.1	4	G1/8-M	21.0	20.0	28.1	7.5	•	◦	•	6g
FSG-25-...	4.5	19.0	4	G1/8-M	26.0	23.0	40.0	7.5	•	◦	•	8g
FSG-32-...	12.0	36.9	6	G1/8-M	33.5	32.0	41.5	11.0	•	◦	•	17g
FSG-42-...	13.6	44	6	G1/8-M	45.0	42.6	50.0	11.0	•	◦	•	27g
FSG-52-...	27.0	96	6	G1/8-M	55.0	52.5	52.7	11.0	•	◦	•	32g
FSG-62-...	39.6	137	6	G1/8-M	65.0	62.2	58.0	11.0	•	◦	•	60g
FSG-88-...	45.2	286	9	G1/4-M	95.5	89.0	92.5	11.0	•	◦	•	173g

(1)上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数
(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.
(2)天然橡胶材质的吸盘，其拉脱力约降低40%。
(2) The pull-off force of the vacuum cup made of natural rubber is reduced by about 40%.

技术参数
Technical Parameters

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-25 to 170	Blue 蓝色
SI-55: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-40 to 220	Translucent 半透明
NBR-55: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘SGON系列（扁平长方型）Vacuum Cups SGON Series



型号 (Model)	吸力 (N) ⁽¹⁾	推荐真空管内径 (mm)	G1 (mm)	Bmax (mm)	Lmax (mm)	H (mm)	SI-60 (透明)	HT1-60 (蓝色)	NBR-60 (黑色)	重量 (Weight)
SGON-4x2-...	0.42	2	M3-M	2.5	4.5	8	°	•	•	2g
SGON-7x3.5-...	1.0	2	M3-M	4.5	7.5	8	°	•	•	2g
SGON-12x4-...	1.8	2	M5-M	5.0	13.0	18	°	•	•	3g
SGON-15x5-...	3.1	2	M5-M	5.5	15.5	17	°	•	•	3g
SGON-18x6-...	4.5	2	M5-M	7.0	18.5	17	°	•	•	3g
SGON-24x8-...	8.0	4	G1/8-M	9.0	24.5	17	°	•	•	7g
SGON-30x10-...	12.2	4	G1/8-M	11.5	30.5	17	°	•	•	7g
SGON-45x15-...	28.2	6	G1/4-M	16.5	46.0	26	°	•	•	15g
SGON-60x20-...	50.1	6	G1/4-M	22.0	61.0	26	°	•	•	19g
SGON-75x25-...	78.3	6	G1/4-M	27.5	77.0	26	°	•	•	27g
SGON-90x30-...	112.6	6	G1/4-M	33.0	92.5	26	°	•	•	35g

(1)上述规定吸力为在真空度为-0.6bar时的理论值，对于表面光滑、干燥的工件而言，未包括安全系数

(1) The suction specified above is the theoretical value when the vacuum degree is -0.6bar. For smooth and dry workpieces, the safety factor is not included.

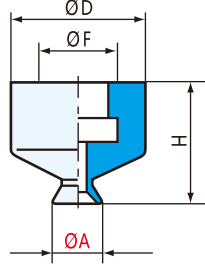
* SGON-24x8 及更大的替换吸盘垫配有专用固定夹。

* SGON-24x8 and larger replacement vacuum cup pads are equipped with special fixing clips.

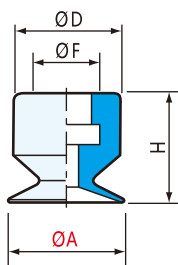
Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
HT1-60: Siton® 特制复合材料(无痕)	60	+	++	-	++	-40 to 220	Blue 蓝色
SI-60: Translucent Silicone 半透明硅胶	50	+++	-	+++	-	-25 to 170	Translucent 半透明
NBR-60: Nitrile 丁腈橡胶	60	+	+	-	++	-30 to 120	Black 黑色

吸盘VSH系列（扁平式）Vacuum Cups VSH Series

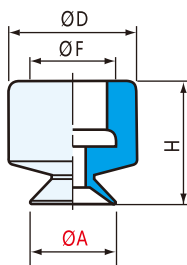
VSH-S2...VSH-S10



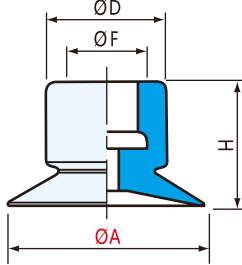
VSH-S12...VSH-S30






VSH-M4...VSH-M10



VSH-M12...VSH-M50



	 (N) ⁽¹⁾	 (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH-S2	0.5	0.1	2	13	11	7	°	—
VSH-S4	0.7	0.2	4	15	11	7	°	—
VSH-S6	0.9	0.3	6	11	11	7	°	—
VSH-S8	1.1	0.5	8	11	11	7	°	—
VSH-S10	1.6	0.8	10	11	11	7	°	—
VSH-S12	2.0	1.5	12	11	11	7	°	—
VSH-S15	3.7	1.8	15	13	11	7	°	—
VSH-S20	6.1	3.0	20	13	12	7	°	—
VSH-S25	9.4	4.7	25	13	11	7	°	—
VSH-S30	15.9	7.9	30	12	13	7	°	—
VSH-M4	0.7	0.2	4	14	15	11	°	—
VSH-M6	0.9	0.3	6	15	15	11	°	—
VSH-M8	1.1	0.5	8	15	15	11	°	—
VSH-M10	1.6	0.8	10	15	15	11	°	●
VSH-M12	2.0	1.5	12	15	15	11	°	●
VSH-M15	3.7	1.8	15	15.5	16	11	°	●
VSH-M20	6.1	3.0	20	15.5	16	11	°	●
VSH-M25	9.4	4.7	25	15	15	11	°	●
VSH-M30	15.9	7.9	30	15	16	11	°	●
VSH-M40	26.7	13.4	40	16	17	11	°	●
VSH-M50	38.3	19.1	50	15	20	11	°	●

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。

(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.

安装方式

Types of assembly

直插式

Factory-crimped fitting:

直插式

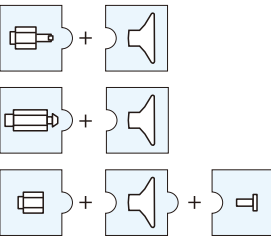
Hollow shaft fitting:

分体式

接头和空心螺钉

Removable fitting:

(adapter and hollow screw)



吸盘座 Vacuum Cup Fitting	吸盘 Vacuum Cups
VCF11-M5,VCF11-G18 VFIL2 系列金具 (VFIL2Series Stem) VFIL 1 系列金具 (VFIL 1Series Stem)	VSH-S2~VSH-S30
VCF10-G 1/8,VCF27-M5 FIL 1 系列金具 (FIL 1Series Stem) VFIL 系列金具 (VFILSeries Stem)	VSH-M4~VSH-M50



Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明

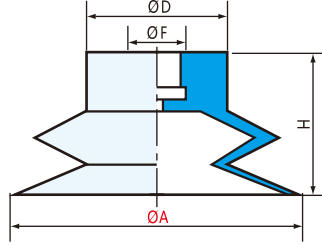
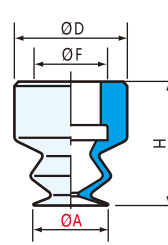
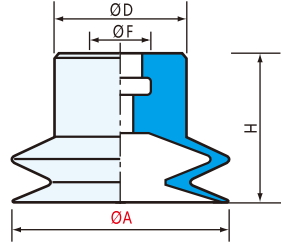
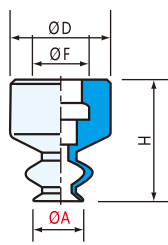
吸盘VSH2系列 (波纹管式/2层) Vacuum Cups VSH2 Series

VSH2-S4...VSH2-S20

VSH2-S25...VSH2-S30

VSH2-M6...VSH2-M25

VSH2-M30...VSH2-M50



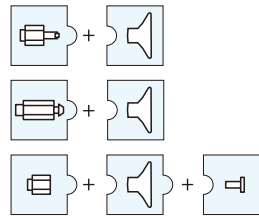
		Δ (N) ⁽¹⁾	Δ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH2-S4		0.3	0.1	4	15	12	7	○	-
VSH2-S6		0.5	0.2	6	15	12	7	○	-
VSH2-S8		1.2	0.7	8	15	12	7	○	-
VSH2-S10		1.7	0.9	10	15	12	7	○	-
VSH2-S12		2.5	1.3	12	15	12	7	○	-
VSH2-S15		2.7	1.3	15	18	15	7	○	-
VSH2-S20		5.6	2.8	20	18	15	7	○	-
VSH2-S25		7.9	4.0	25	17.5	15	7	○	-
VSH2-S30		12	6	30	17.5	15	7	○	-
VSH2-M6		0.5	0.2	6	18	15	11	○	-
VSH2-M8		1.2	0.7	8	17	15	11	○	-
VSH2-M10		1.7	0.9	10	17	15	11	○	●
VSH2-M12		2.5	1.3	12	17	15	11	○	●
VSH2-M15		2.7	1.3	15	18	15	11	○	●
VSH2-M20		5.6	2.8	20	18	15	11	○	●
VSH2-M25		7.9	4.0	25	18	15	11	○	●
VSH2-M30		12	6	30	19	18	11	○	●
VSH2-M35		13.9	6.9	35	19	18	11	○	●
VSH2-M40		20.2	10.1	40	22	23	11	○	●
VSH2-M50		40	20	50	24	24	11	○	●

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



安装方式
Types of assembly

直插式
Factory-crimped fitting:
直插式
Hollow shaft fitting:
分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



	吸盘座 Vacuum Cup Fitting		吸盘 Vacuum Cups
	VCF11-M5,VCF11-G18 VFIL2 系列金具 (VFIL2Series Stem) VFIL1 系列金具 (VFIL1Series Stem)		VSH2-S4 ~ VSH2-S30
	VCF10-G 1/8,VCF27-M5 FIL1 系列金具 (FIL1Series Stem) VFIL 系列金具 (VFILSeries Stem)		VSH2-M6 ~ VSH2-M50

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明

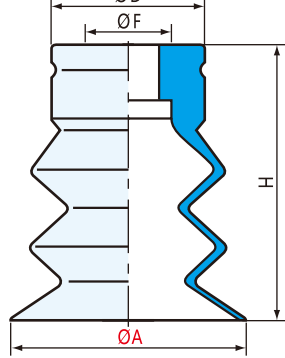
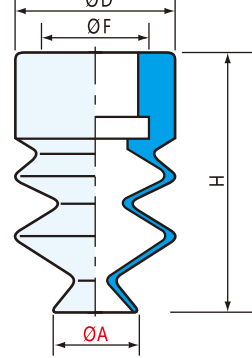
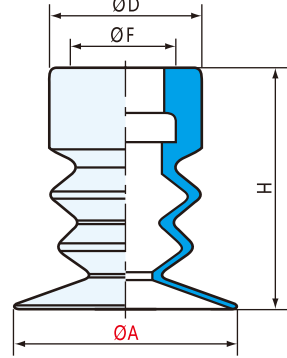
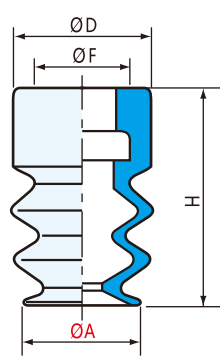
吸盘VSH3系列 (波纹管式/3层) Vacuum Cups VSH3 Series

VSH3-S6...VSH3-S8

VSH3-S10...VSH3-S15

VSH3-M8...VSH3-M30

VSH3-M40...VSH3-M50



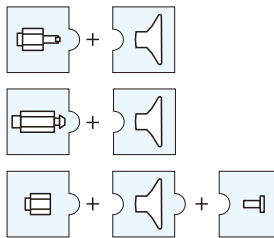
		Δ (N) ⁽¹⁾	ØA(mm)	H(mm)	ØD(mm)	ØF(mm)	SI(半透明)	SP(海绵)
VSH3-S6		0.5	6	15	10	7	○	-
VSH3-S8		1.0	8	15	10	7	○	-
VSH3-S10		1.5	10	15	10	7	○	-
VSH3-S12		2.8	12	15	10	7	○	-
VSH3-S15		3.0	15	16	10	7	○	-
VSH3-M8		1.0	8	20	15	11	○	-
VSH3-M10		1.5	10	24	15	11	○	●
VSH3-M12		2.8	12	24	15	11	○	●
VSH3-M15		3.0	15	24	15	11	○	●
VSH3-M20		4.6	20	25	15	11	○	●
VSH3-M25		6.5	25	29	17	11	○	●
VSH3-M30		12.1	30	35	17	11	○	●
VSH3-M40		20.5	40	45	20	11	○	●
VSH3-M50		25	50	43	20	11	○	●

(1)真空度为65%时吸盘的实际吸附力，建议水平工作时安全系数为2，垂直工作时安全系数为4。
(1) Actual force of the suction cup in use with 65% vacuum and including a safety factor of 2 for horizontal handling and a factor of 4 for vertical handling.



安装方式
Types of assembly

直插式
Factory-crimped fitting:
直插式
Hollow shaft fitting:
分体式
接头和空心螺钉
Removable fitting:
(adapter and hollow screw)



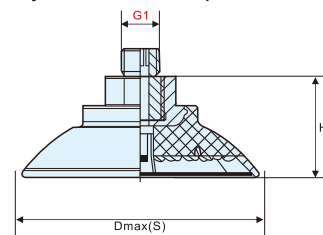
	吸盘座 Vacuum Cup Fitting		吸盘 Vacuum Cups
	VCF11-M5,VCF11-G18 VFIL2 系列金具 (VFIL2Series Stem) VFIL1 系列金具 (VFIL1Series Stem)		VSH3-S6 ~ VSH3-S15
	VCF10-G 1/8,VCF27-M5 FIL1 系列金具 (FIL1Series Stem) VFIL 系列金具 (VFILSeries Stem)		VSH3-M8 ~ VSH3-M50

Materials 材质	Shore Hardness 硬度	A Flexibility 柔韧性	Abrasion resistance 耐磨性	UV & weather resistance 抗紫外线	Oil resistance 抗油污性	Heat resistance (in °C) 耐高温	
SI: Translucent Silicone 半透明硅胶	50	+++	-	-	-	-40 to 220	Translucent 半透明

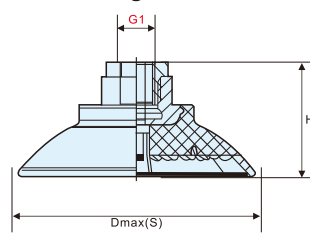
吸盘SAF系列 (扁平式) Vacuum Cups SAF Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAF...-AG(外牙安装)



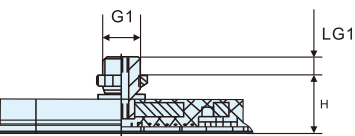
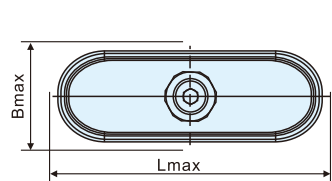
SAF...-IG(内牙安装)

型号 (Model)	吸力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空 管内径(mm)	Dmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
SAF-30-G3/8AG	38	30	4	34	G3/8-M	20	10	17g
SAF-30-G3/8IG	38	30	4	34	G3/8-F	36	9	43g
SAF-40-G3/8AG	69	52	4	46	G3/8-M	22	10	19g
SAF-40-G3/8IG	69	52	4	46	G3/8-F	38	9	45g
SAF-50-G3/8AG	100	80	4	56	G3/8-M	28	10	40g
SAF-50-G3/8IG	100	80	4	56	G3/8-F	28	15	31g
SAF-60-G3/8AG	150	105	6	67	G3/8-M	31	10	46g
SAF-60-G3/8IG	150	105	6	67	G3/8-F	31	15	37g
SAF-80-G3/8AG	272	205	6	89	G3/8-M	35	10	65g
SAF-80-G3/8IG	272	205	6	89	G3/8-F	35	15	56g
SAF-100-G3/8AG	430	310	6	110	G3/8-M	36	10	76g
SAF-100-G3/8IG	430	310	6	110	G3/8-F	36	15	67g
SAF-125-G3/8AG	660	475	9	135	G3/8-M	43	10	155g
SAF-125-G3/8IG	660	475	9	135	G3/8-F	43	15	146g

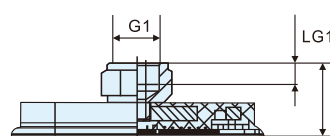
吸盘SAOF系列 (扁平式) Vacuum Cups SAOF Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAOF...-AG(外牙安装)



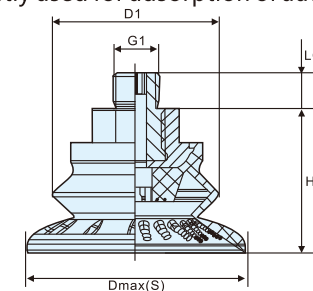
SAOF...-IG(内牙安装)

型号 (Model)	吸力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空 管内径(mm)	Dmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	Lmax(S) (mm)	重量 (Weight)
SAOF-50x16-G3/8AG	31	24	4	18	G3/8-M	26	8	52	24g
SAOF-50x16-G3/8IG	31	24	4	18	G3/8-F	34	9	52	45g
SAOF-60x23-G3/8AG	57	37	4	25	G3/8-M	18	8	64	21g
SAOF-60x23-G3/8IG	57	37	4	25	G3/8-F	26	9	64	42g
SAOF-90x30-G3/8AG	122	96	4	34	G3/8-M	19	8	94	39g
SAOF-90x30-G3/8IG	122	96	4	34	G3/8-F	27	9	94	60g
SAOF-80x40-G3/8AG	140	110	4	43	G3/8-M	20	8	85	34g
SAOF-80x40-G3/8IG	140	110	4	43	G3/8-F	28	9	85	55g
SAOF-100x50-G3/8AG	217	181	6	54	G3/8-M	22	8	106	63g
SAOF-100x50-G3/8IG	217	181	6	54	G3/8-F	31	9	106	85g
SAOF-120x60-G3/8AG	312	254	6	65	G3/8-M	24	8	128	77g
SAOF-120x60-G3/8IG	312	254	6	65	G3/8-F	33	9	128	99g
SAOF-140x70-G3/8AG	425	344	6	76	G3/8-M	25	8	149	85g
SAOF-140x70-G3/8IG	425	344	6	76	G3/8-F	34	9	149	107g

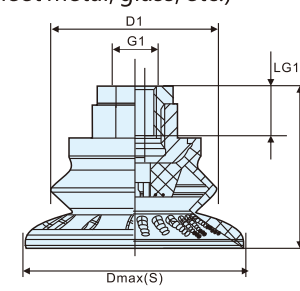
吸盘SAB系列 (波纹管式/2层) Vacuum Cups SAB Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAB...-AG(外牙安装)



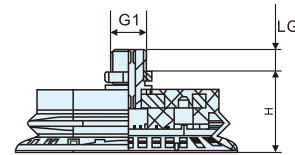
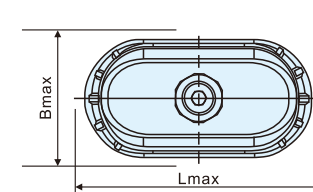
SAB...-IG(内牙安装)

型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空 管内径(mm)	Dmax(S) (mm)	G1 (mm)	D1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
SAB-22-G3/8AG	16	24	18	4	24	G3/8-M	22	25	10	15g
SAB-22-G3/8AG	16	24	18	4	24	G3/8-F	22	41	9.5	41g
SAB-30-G3/8AG	22	33	30	4	34	G3/8-M	32	28	10	19g
SAB-30-G3/8IG	22	33	30	4	34	G3/8-F	32	44	9.5	45g
SAB-40-G3/8AG	38	59	36	4	45	G3/8-M	32	28.8	10	20g
SAB-40-G3/8IG	38	59	36	4	45	G3/8-F	32	48.8	9.5	45g
SAB-50-G3/8AG	53	87	55	4	56	G3/8-M	40	36.9	10	41g
SAB-50-G3/8IG	53	87	55	4	56	G3/8-F	40	36.9	15	32g
SAB-60-G3/8AG	82	130	82	6	67	G3/8-M	48	41.3	10	49g
SAB-60-G3/8IG	82	130	82	6	67	G3/8-F	48	41.3	15	40g
SAB-80-G3/8AG	135	221	145	6	89	G3/8-M	64	49.9	10	72g
SAB-80-G3/8IG	135	221	145	6	89	G3/8-F	64	49.9	15	63g
SAB-100-G3/8AG	190	357	220	6	110	G3/8-M	77	56.6	10	97g
SAB-100-G3/8IG	190	357	220	6	110	G3/8-F	77	56.6	15	88g
SAB-125-G3/8AG	250	558	352	9	135	G3/8-M	94	67.8	10	179g
SAB-125-G3/8IG	250	558	352	9	135	G3/8-F	94	67.8	15	170g

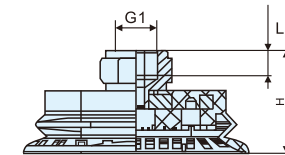
吸盘SAOB系列 (波纹管式长方型/2层) Vacuum Cups SAOB Series

功能：防滑、防油、防水（多用于汽车钣金，玻璃等吸附）

Functions: anti-skid, oil-proof and water-proof (mostly used for adsorption of automobile sheet metal, glass, etc.)



SAOB...-AG(外牙安装)



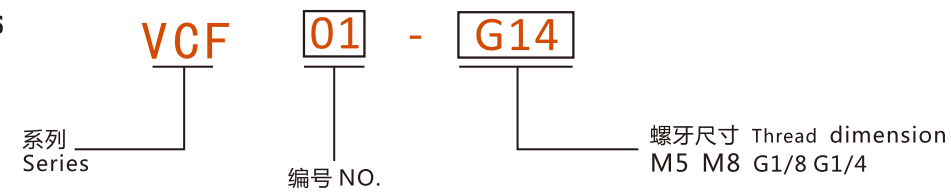
SAOB...-IG(内牙安装)




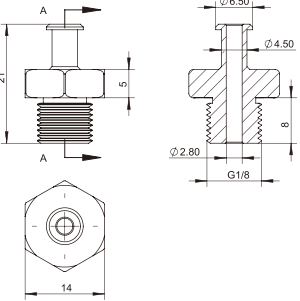
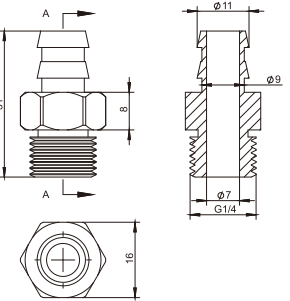
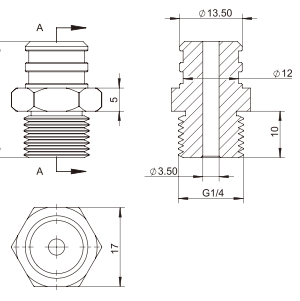
型号 (Model)	吸力 (N) ⁽¹⁾	拉脱力 (N) ⁽¹⁾	侧向力 (N) ⁽²⁾	推荐真空 管内径(mm)	Bmax(S) (mm)	Lmax(S) (mm)	G1 (mm)	H (mm)	LG1 (mm)	重量 (Weight)
SAOB-60x30-G3/8AG	38	70	73	4	33	63	G3/8-M	27.0	8	49g
SAOB-60x30-G3/8IG	38	70	73	4	33	63	G3/8-F	35.0	9	70g
SAOB-80x40-G3/8AG	65	132	153	6	43	83	G3/8-M	29.7	8	67g
SAOB-80x40-G3/8IG	65	132	153	6	43	83	G3/8-F	37.7	9	88g
SAOB-110x50-G3/8AG	110	234	299	6	59	114	G3/8-M	35.5	8	87g
SAOB-110x50-G3/8IG	110	234	299	6	59	114	G3/8-F	43.5	9	109g
SAOB-140x70-G3/8AG	165	355	473	6	75	146	G3/8-M	39.5	8	120g
SAOB-140x70-G3/8IG	165	355	473	6	75	146	G3/8-F	47.5	9	142g




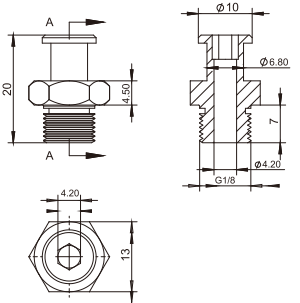
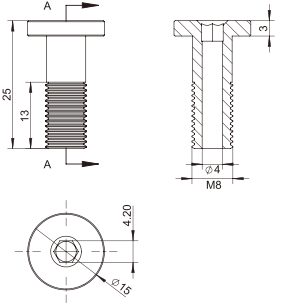
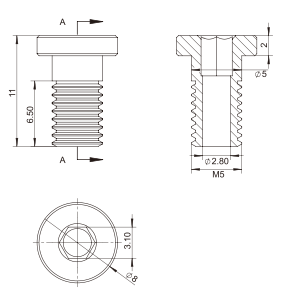
吸盘座 Vacuum Cup Fitting

型号表示方法

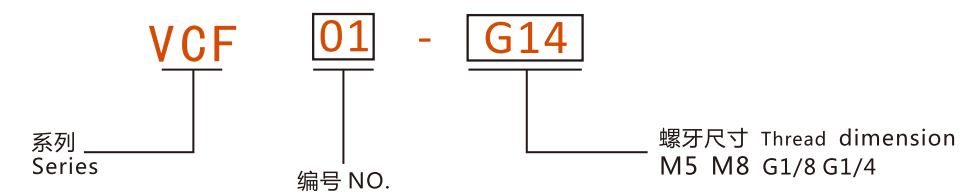
Model representation methods




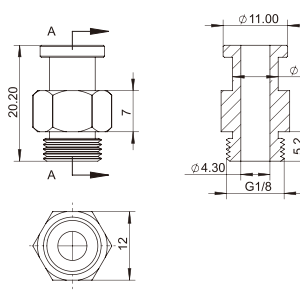
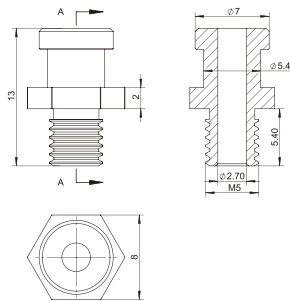
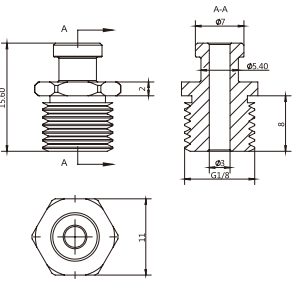





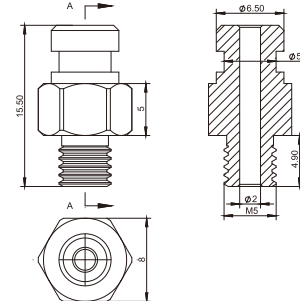
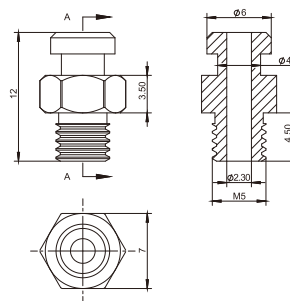
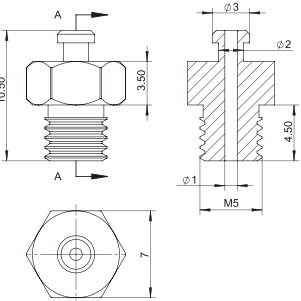
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF02-G18	VCF14-G14	VCF06-G14
重量(Weight)	3.5 g	7.0 g	9.7 g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF07-G18	VCF08-M8	VCF09-M5
重量(Weight)	3.3 g	8.3 g	1.4 g

吸盘座 Vacuum Cup Fitting




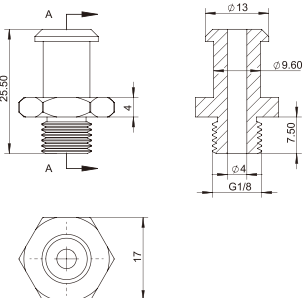
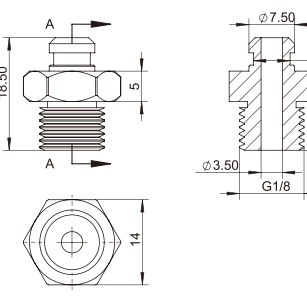
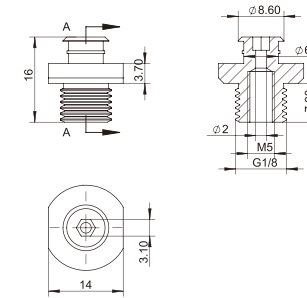





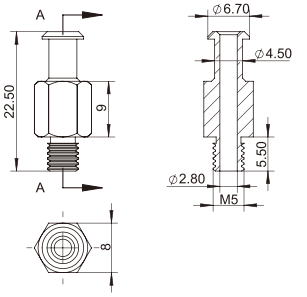
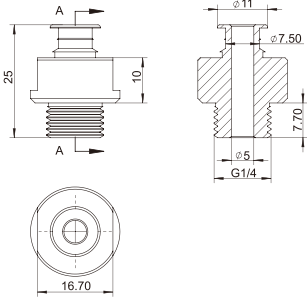
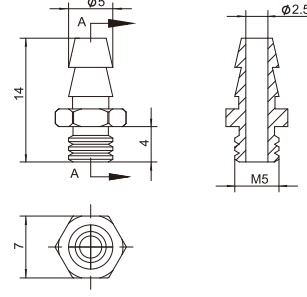
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF10-G18	VCF11-M5	VCF11-G18
重量(Weight)	3.7 g	2.0 g	2.5 g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF12-M5	VCF13-M5	VCF14-M5
重量(Weight)	1.2 g	0.7 g	0.5 g

吸盘座 Vacuum Cup Fitting




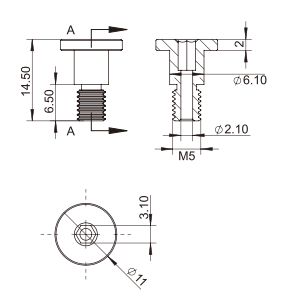
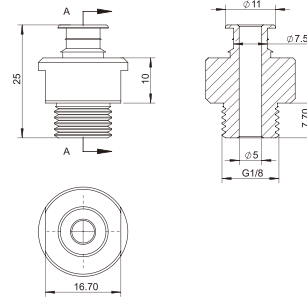
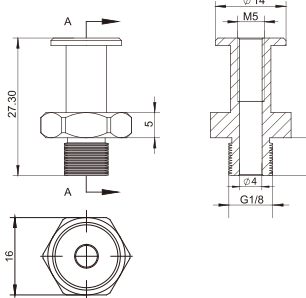
系列 Series **VCF** 编号 NO. **01** - **G14** 螺牙尺寸 Thread dimension M5 M8 G1/8 G1/4




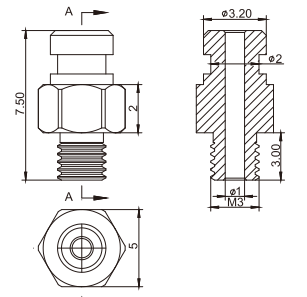
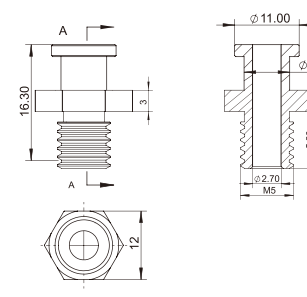
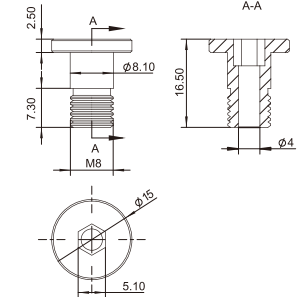
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF15-G18	VCF16-G18	VCF17-G18
重量(Weight)	17.8g	3.8g	2.9g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF18-M5	VCF20-G14	VCF21-M5
重量(Weight)	4.6g	9.5g	1.8g

吸盘座 Vacuum Cup Fitting

系列 Series **VCF** 编号 NO. **01** - **G14** 螺牙尺寸 Thread dimension M5 M8 G1/8 G1/4




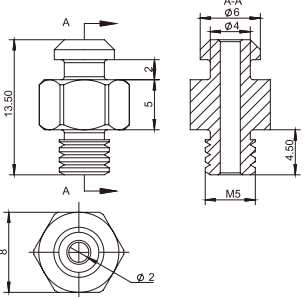
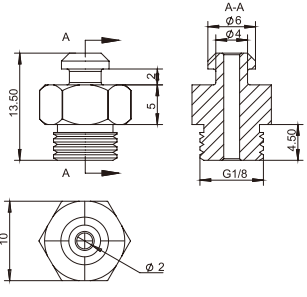
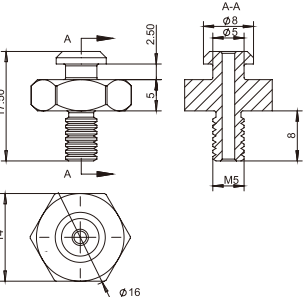
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF22-M5	VCF23-G18	VCF24-G18
重量(Weight)	2.9g	8.9g	5.5g




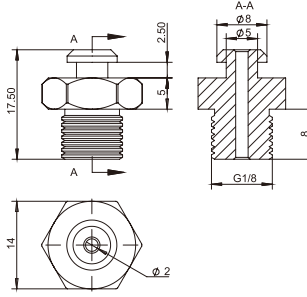
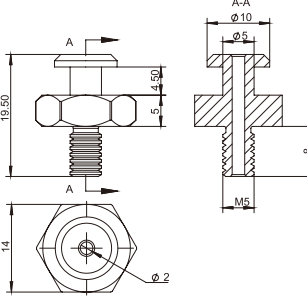
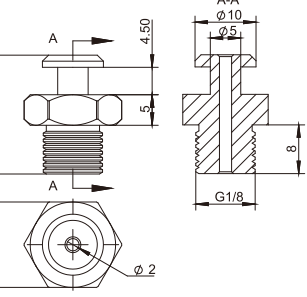
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF25-M3	VCF27-M5	VCF28-M8
重量(Weight)	0.2g	6.2g	1.9g

吸盘座 Vacuum Cup Fitting

VCF 01 - G14

系列 Series 编号 NO. 螺牙尺寸 Thread dimension M5 M8 G1/8 G1/4




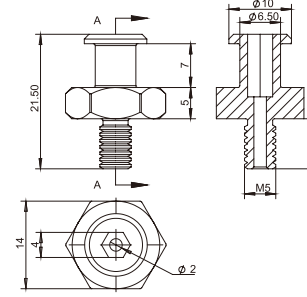
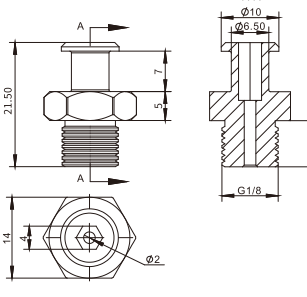
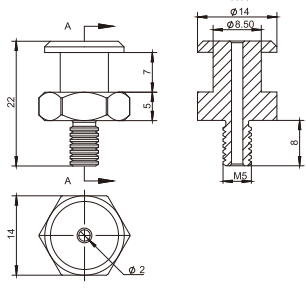
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF29-M5	VCF30-G1/8	VCF31-M5
重量(Weight)	1.1 g	1.3 g	3.8 g




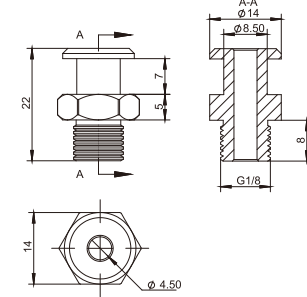
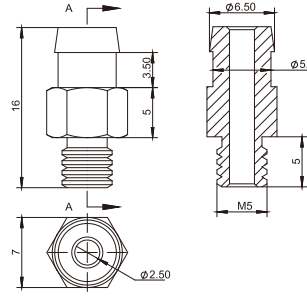
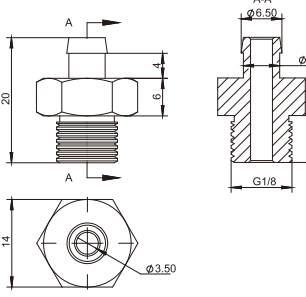
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VM32-G1/8	VCF33-M5	VCF34-G1/8
重量(Weight)	4.1 g	4.0 g	4.3 g

吸盘座 Vacuum Cup Fitting

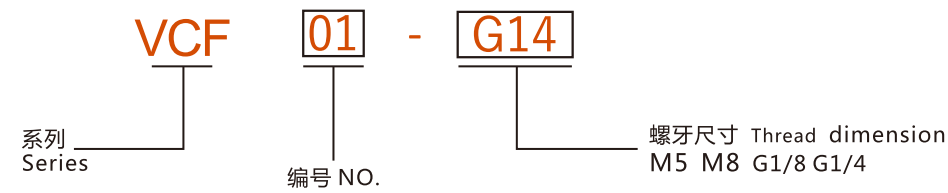
VCF 01 - G14


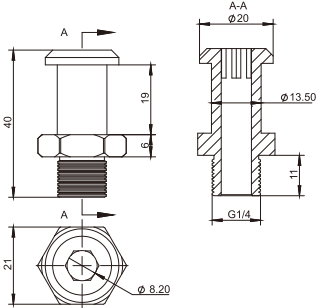
系列 Series 编号 NO. 螺牙尺寸 Thread dimension M5 M8 G1/8 G1/4

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF35-M5	VCF36-G1/8	VCF37-M5
重量(Weight)	3.4 g	3.7 g	4.3 g

吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF38-G1/8	VCF39-M5	VCF40-G1/8
重量(Weight)	4.7 g	3.8 g	4.1 g

吸盘座 Vacuum Cup Fitting

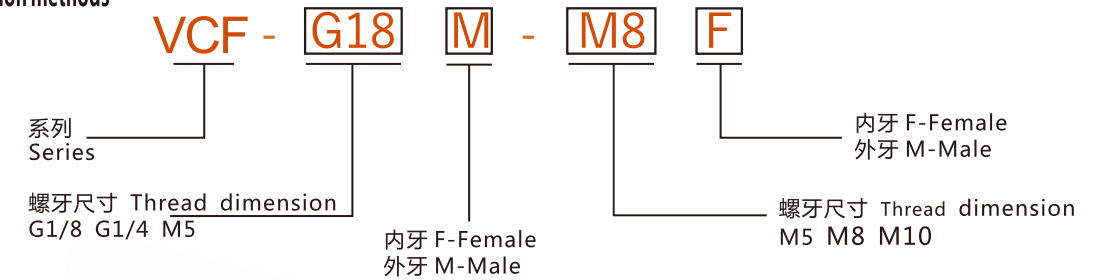





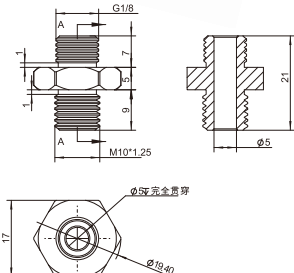
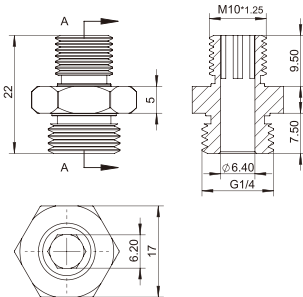
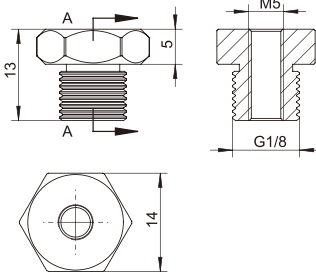
吸盘座 Vacuum Cup Fitting			
尺寸 Dimension			
型号(Model)	VCF41-G14		
重量(Weight)	14g		




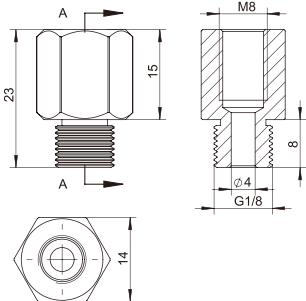
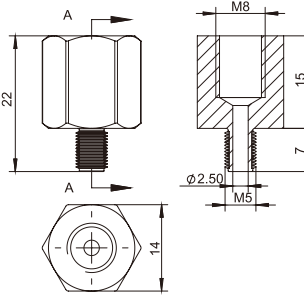
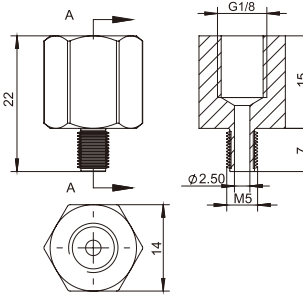
吸盘金具转接头 Vacuum Cup Connector

型号表示方法

Model representation methods



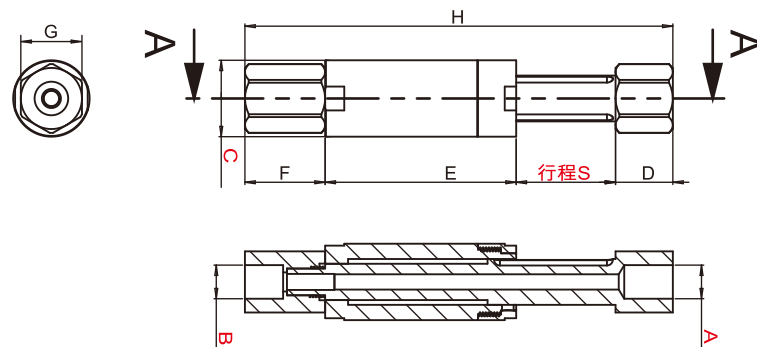
吸盘金具 转接头 Vacuum Cup Connector			
尺寸 Dimension	 <p>Φ10.40完全贯穿</p>		
型号(Model)	VCF-G18M-M10M	VCF-G14M-M10M	VCF-G18M-M5F
重量(Weight)	4.5g	4.7g	2.9g

吸盘金具 转接头 Vacuum Cup Connector			
尺寸 Dimension			
型号(Model)	VCF-G18M-M8F	VCF-M5M-M8F	VCF-M5M-G1/8F
重量(Weight)	6. 2g	5. 6g	4. 9g

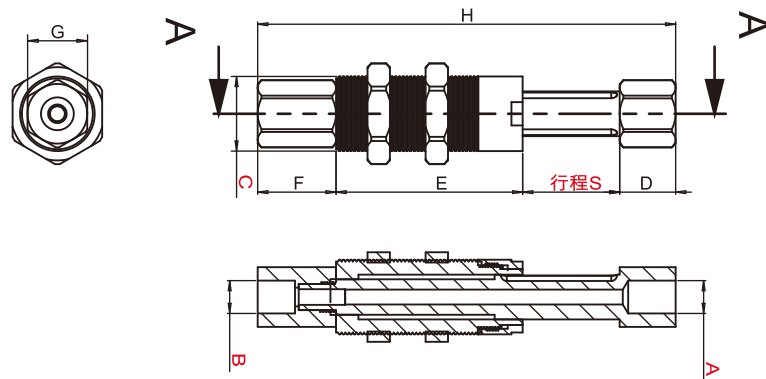
非可旋转悬件 Non-rotative Suspensions

主体和杆由阳极铝制成。
拥有高负载能力的非可旋转杆。
压力范围：-1 ~ 8 bar。

Body and rod in anodized aluminum.
Non-rotative rod with high load capability.
Pressure range: -1 ~ 8 bar.



型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCN1011-M5	M5	M5	Ø10	10	22	17	8	60	11	7g
VCN1021-M5	M5	M5	Ø10	10	41	17	8	89	21	11g
VCN1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	24g
VCN1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	44g
VCN2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	54g
VCN2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	80g



型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCNS1011-M5	M5	M5	M10*1	10	22	17	8	60	11	12g
VCNS1021-M5	M5	M5	M10*1	10	41	17	8	89	21	39g
VCNS1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	51g
VCNS1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	64g
VCNS1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	72g
VCNS1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	76g
VCNS2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	82g
VCNS2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	120g

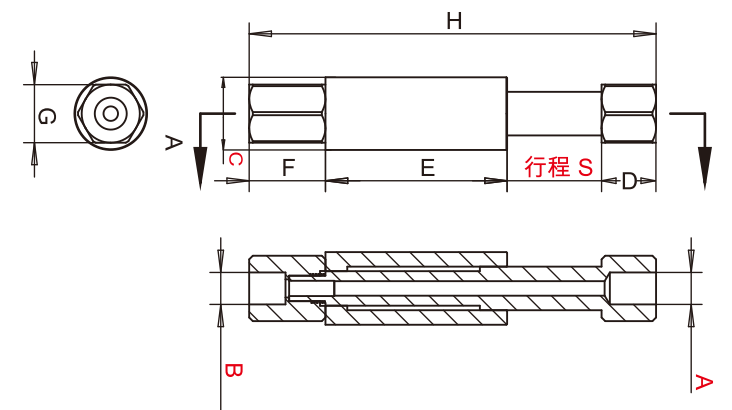
可旋转悬件 Rotative Suspensions

主体和杆由阳极铝制成。
可旋转杆。
压力范围：-1 ~ 8 bar。

Body and rod in anodized aluminum.
Rotative rod.
Pressure range: -1 ~ 8 bar.



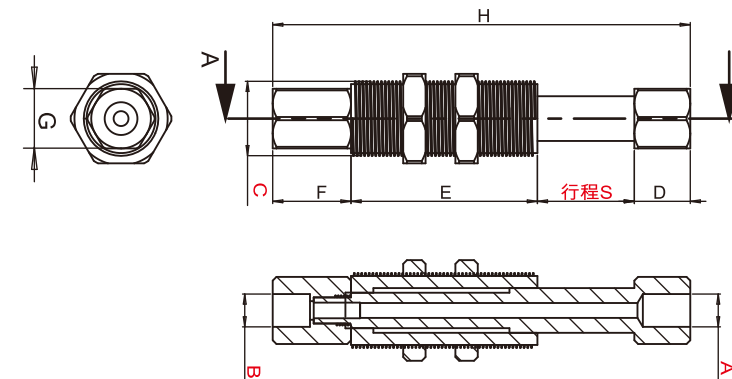
M5为蓝色
M5 is blue
G1/8为黑色
G1/8 is black



型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCR1011-M5	M5	M5	Ø10	3	22	17	8	53	11	11g
VCR1021-M5	M5	M5	Ø10	3	41	17	8	82	21	17g
VCR1421-G18	G1/8	G1/8	Ø14	12	40	20	12	93	21	23g
VCR1436-G18	G1/8	G1/8	Ø14	12	60	20	12	128	36	40g
VCR2026-G18	G1/8	G1/8	Ø20	15	50	21	16	112	26	50g
VCR2051-G18	G1/8	G1/8	Ø20	15	84	21	16	171	51	77g



M5为蓝色
M5 is blue
G1/8为黑色
G1/8 is black

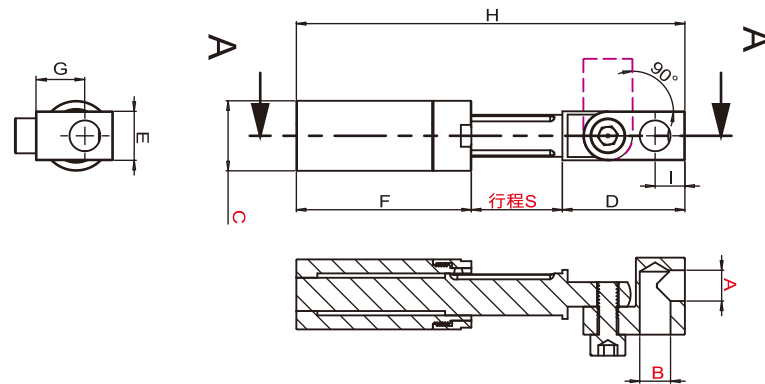


型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCRS1011-M5	M5	M5	M10*1	3	22	17	8	53	11	14g
VCRS1021-M5	M5	M5	M10*1	3	41	17	8	82	21	26g
VCRS1421-G18	G1/8	G1/8	M14*1	12	40	20	12	93	21	32g
VCRS1621-G18	G1/8	G1/8	M16*1	12	40	20	12	93	21	36g
VCRS1436-G18	G1/8	G1/8	M14*1	12	60	20	12	128	36	60g
VCRS1636-G18	G1/8	G1/8	M16*1	12	60	20	12	128	36	65g
VCRS2026-G18	G1/8	G1/8	M20*1	15	50	21	16	112	26	70g
VCRS2051-G18	G1/8	G1/8	M20*1	15	84	21	16	171	51	104g

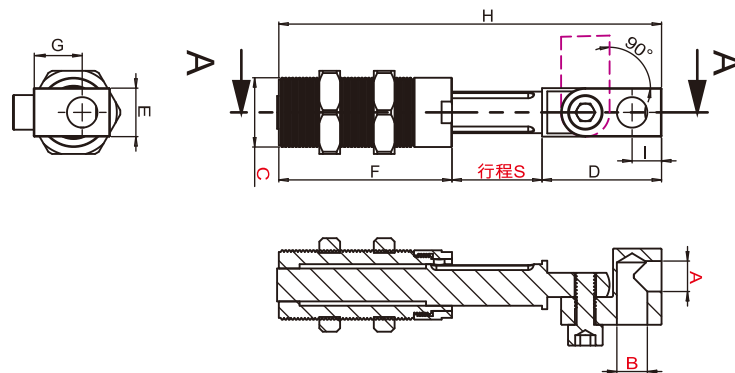
带集成弯臂的非可旋转悬件 Non-rotative Suspensions With Integral Elbow Arms

可在 0° 和 +/-90° 之间不断设置角度。
外部供气。
主体和杆由阳极铝制成。
拥有高负载能力的非可旋转杆。
压力范围：-1 ~ 8 bar。

It is possible to set continuously the angle between 0° and +/-90°.
External air feeding.
Body and rod in anodized aluminum.
Non-rotative rod with high load capability.
Pressure range: -1 ~ 8 bar.



型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCE1011-M5	M5	M5	Ø10	20	8	22	8	53	11	12g
VCE1021-M5	M5	M5	Ø10	20	8	41	8	81	21	16g
VCE1421-G18	G1/8	G1/8	Ø14	32	14	40	14	93	21	45g
VCE1436-G18	G1/8	G1/8	Ø14	32	14	60	14	128	36	48g
VCE2026-G18	G1/8	G1/8	Ø20	35	14	50	14	111	26	70g
VCE2051-G18	G1/8	G1/8	Ø20	35	14	84	14	169.5	51	105g

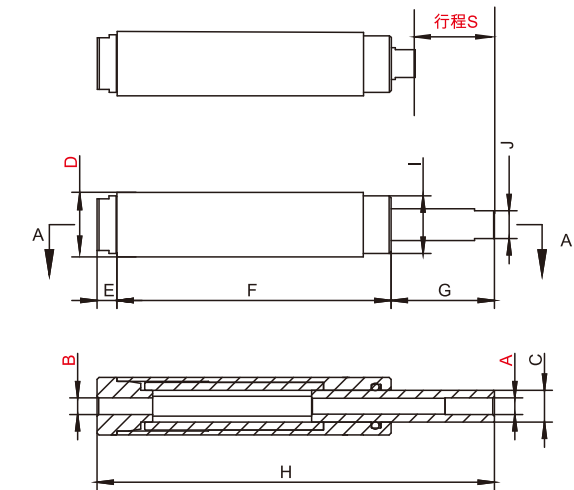


型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VCE1011-M5	M5	M5	M10*1	20	8	22	8	53	11	15g
VCE1021-M5	M5	M5	M10*1	20	8	41	8	81	21	24g
VCE1421-G18	G1/8	G1/8	M14*1	32	14	40	14	93	21	57g
VCE1621-G18	G1/8	G1/8	M16*1	32	14	40	14	93	21	64g
VCE1436-G18	G1/8	G1/8	M14*1	32	14	60	14	128	36	80g
VCE1636-G18	G1/8	G1/8	M16*1	32	14	60	14	128	36	85g
VCE2026-G18	G1/8	G1/8	M20*1	35	14	50	14	111	26	88g
VCE2051-G18	G1/8	G1/8	M20*1	35	14	84	14	169.5	51	125g

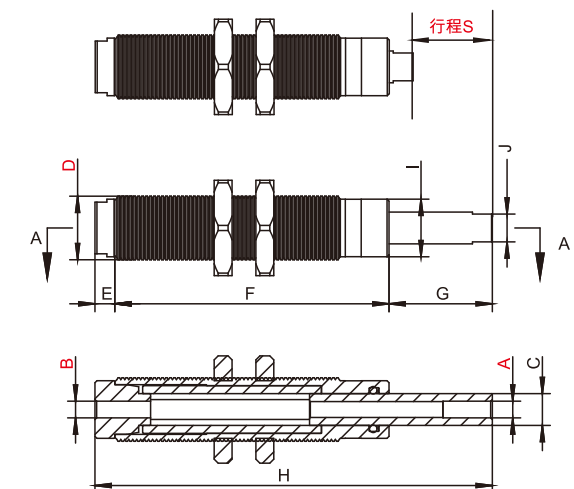
配管固定的非可旋转悬件 Non-rotating suspension for fixed piping

产品采用阳极铝制成。
内置防转塑料活塞。
内置伸缩功能弹簧复位，
尾部真空进气固定式设计。

The product is made of anodic aluminium.
Built-in anti-rotation plastic piston.
Built-in telescopic function of spring reset,
tail vacuum intake fixed design.

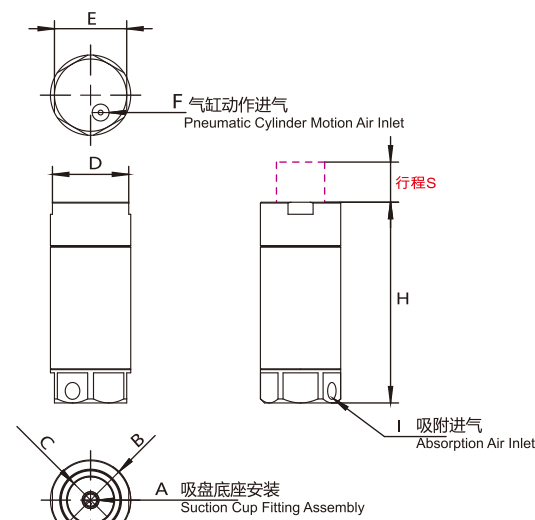


型号(Model)	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
VNR2030-G18	G1/8	G1/8	Φ13	Φ20	8	85	40	133	Φ18	12	30	60



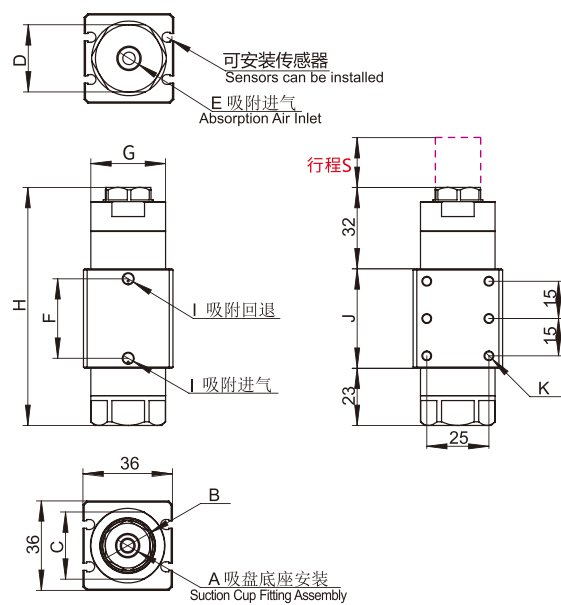
型号(Model)	A	B	C	D	E	F	G	H	I	J	S	Weight(g)
VNRS1620-M5	M5	M5	Φ8	M16X1.0	5	69	26	100	Φ14.5	7	20	42.7
VNRS2030-G18	G1/8	G1/8	Φ13	M20X1.0	8	85	40	133	Φ18	12	30	80

气动吸附金具 The Adsorption Of Pneumatic Fittings



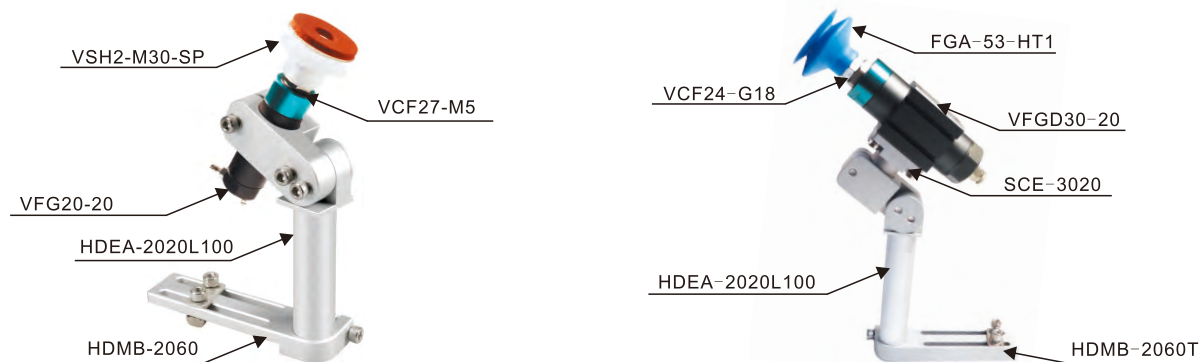
型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	H(mm)	I(mm)	S(mm)	Weight
VFG20-10	M5	Φ20	Φ12	19	18	M5	50	M5	10	35g
VFG20-20	M5	Φ20	Φ12	19	18	M5	65	M5	20	45g
VFG30-20	G1/8	Φ30	Φ20	27	27	G1/8	72	G1/8	20	70g

双动吸附金具 Double action adsorption fittings

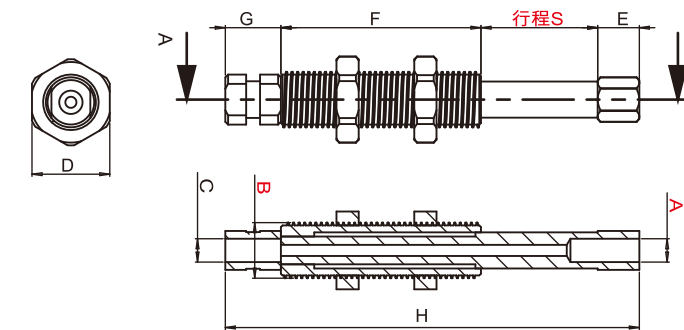
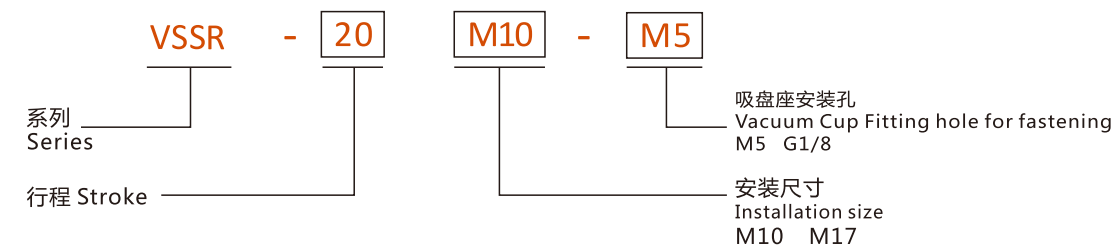


型号(Model)	A	B	C	D	E	F	G	H	I	J	K	S	Weight
VFGD30-20	G1/8	Φ20	27	27	G1/8	32	Φ30	95	M5	40	M4	20	198.2g

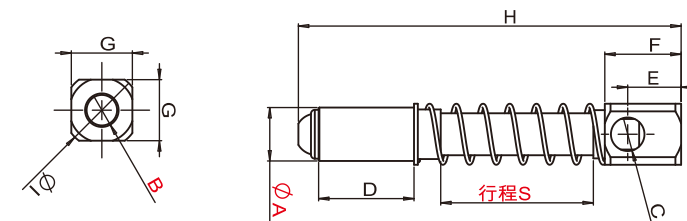
安装示意图 Installation diagram



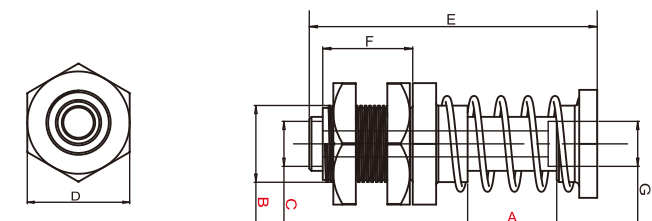
吸着金具 Suction Stems

型号表示方法
Model representation methods

型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VSSR-20M10-M5	M5	M10*1	M5	14	7	36	10	73.5	20	27g
VSSR-20M16-G18	G1/8	M16*1	G1/8	21	4	36	15	77	20	76g

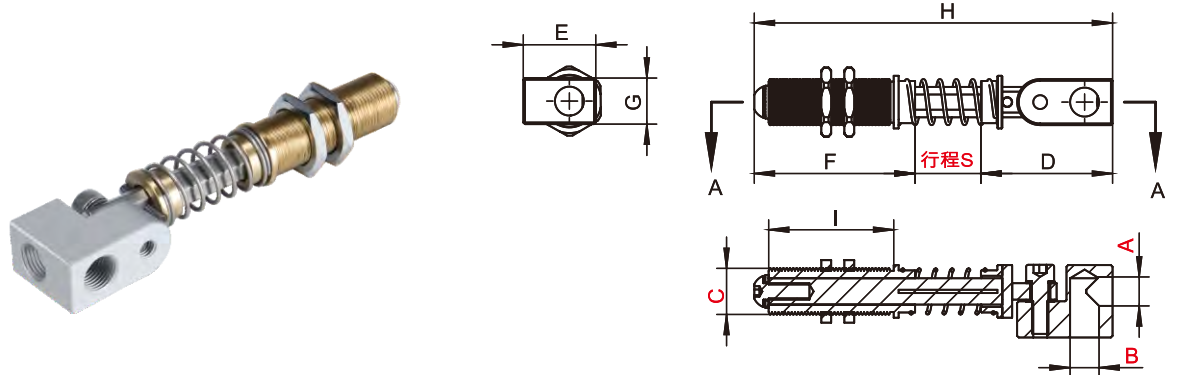


型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
VSSM-4014-G18	Ø14	G1/8	G1/8	25	14	20	16	100	Ø20	40	48g
VSSM-2020-G14	Ø20	G1/4	G1/8	48	15	26	22	113	Ø27	20	136g

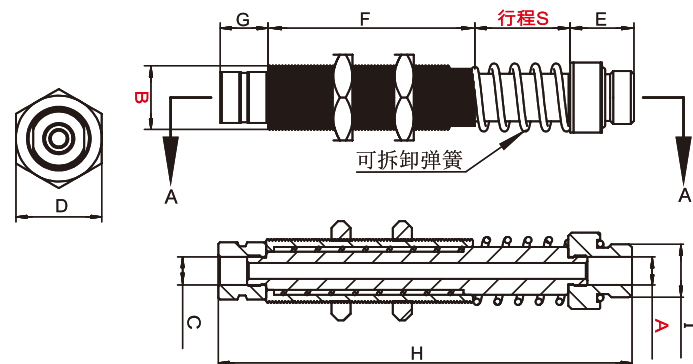


型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Weight(g)
VSSL-20M17-G18	20	M17*1	G1/8	27	64	20	G1/8	119g

吸着金具 Suction Stems

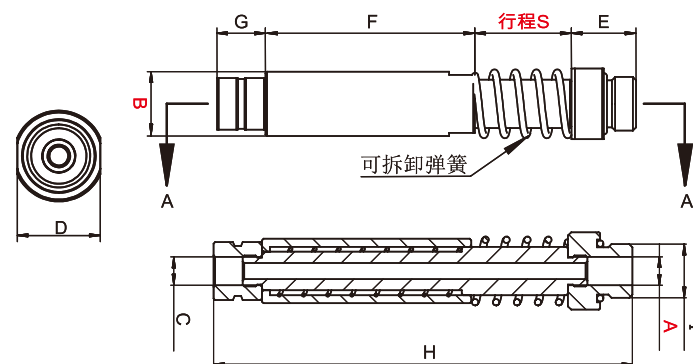


型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
VSST-20M14-G18	G1/8	G1/8	M14X1.0	40	22	49	14	109	38	20	97g
VSST-40M14-G18	G1/8	G1/8	M14X1.0	40	22	64	14	144	50	40	123g



型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
VSST-30M20-G38F-G18M	G1/8	M20*1	G1/8	27	20	65	15	130	G3/8	30	260g

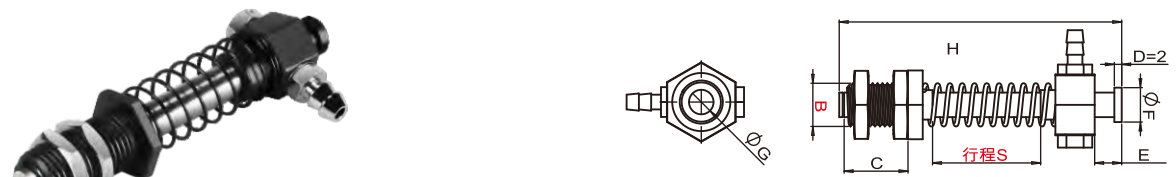
*安装单弹簧时,所能承受的压力为7N-18N。安装双弹簧时,所能承受的压力为60N-150N
*When installing a single spring, the pressure it can bear is 7N-18N. When installing the double spring, the pressure that can bear is 60N-150N.



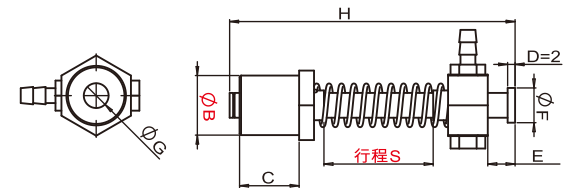
型号(Model)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	S(mm)	Weight(g)
VSSH-30M20-G38F-G18M	G1/8	Ø20	G1/8	22	20	65	15	130	G3/8	30	235g

*安装单弹簧时,所能承受的压力为7N-18N。安装双弹簧时,所能承受的压力为60N-150N
*When installing a single spring, the pressure it can bear is 7N-18N. When installing the double spring, the pressure that can bear is 60N-150N.

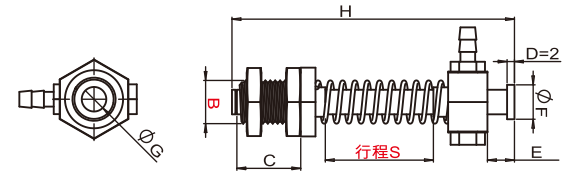
吸着金具 Suction Stems



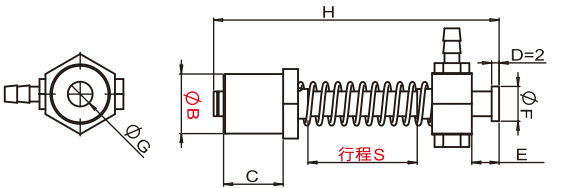
型号(Model)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VFIL1-5M10	M10*1	18	5.5	Ø7	Ø3.4	49	5	14g
VFIL1-10M10	M10*1	18	5.5	Ø7	Ø3.4	54	10	15g
VFIL1-20M10	M10*1	18	5.5	Ø7	Ø3.4	64	20	15g
VFIL1-30M10	M10*1	18	5.5	Ø7	Ø3.4	74	30	16g



型号(Model)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VFIL2-5P8	Ø8	18	5.5	Ø7	Ø3.4	49	5	9g
VFIL2-5P12	Ø12	18	5.5	Ø7	Ø3.4	49	5	13g
VFIL2-10P8	Ø8	18	5.5	Ø7	Ø3.4	54	10	9g
VFIL2-10P12	Ø12	18	5.5	Ø7	Ø3.4	54	10	14g
VFIL2-20P8	Ø8	18	5.5	Ø7	Ø3.4	64	20	10g
VFIL2-20P12	Ø12	18	5.5	Ø7	Ø3.4	64	20	14g
VFIL2-30P8	Ø8	18	5.5	Ø7	Ø3.4	74	30	11g
VFIL2-30P12	Ø12	18	5.5	Ø7	Ø3.4	74	30	15g



型号(Model)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
VFIL-5M12	M12*1	18	9	Ø11	Ø4.6	52.5	5	20g
VFIL-10M12	M12*1	18	9	Ø11	Ø4.6	57.5	10	21g
VFIL-20M12	M12*1	18	9	Ø11	Ø4.6	67.5	20	22g
VFIL-30M12	M12*1	18	9	Ø11	Ø4.6	77.5	30	24g



型号(Model)	B(mm)	C(mm)	E(mm)	F(mm)	G(mm)	H(mm)	S(mm)	Weight(g)
FIL1-5P12	Ø12	18	9	Ø11	Ø4.6	52.5	5	15g
FIL1-5P20	Ø20	18	9	Ø11	Ø4.6	52.5	5	29g
FIL1-10P12	Ø12	18	9	Ø11	Ø4.6	57.5	10	16g
FIL1-10P20	Ø20	18	9	Ø11	Ø4.6	57.5	10	29g
FIL1-20P12	Ø12	18	9	Ø11	Ø4.6	67.5	20	18g
FIL1-20P20	Ø20	18	9	Ø11	Ø4.6	67.5	20	31g
FIL1-30P12	Ø12	18	9	Ø11	Ø4.6	77.5	30	19g
FIL1-30P20	Ø20	18	9	Ø11	Ø4.6	77.5	30	32g

Compact 10CE 集成式真空发生器 Compact 10CE Integrated vacuum generator

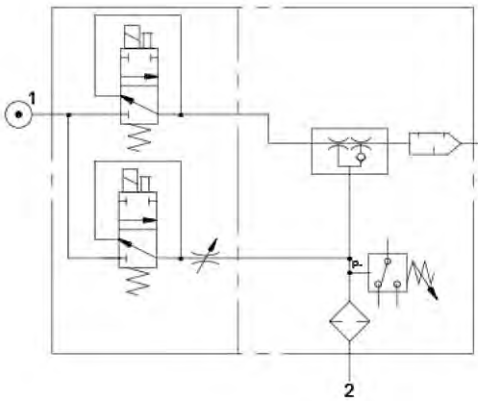
真空流量/Vacuum flow

供气压力真空泵/喷嘴 Feed pressure vacuum pump/nozzle	每个泵/喷嘴的空气消耗量 Air consumption per pump /nozzle	不同真空度 (-kPa) 下的真空流量 (NI/s) Vacuum flow (NI/s) under different vacuum degrees (-kPa)								最大真空度 Max vacuum
		0	10	20	30	40	50	60	70	
Mpa	NI/s	0.26	0.24	0.19	0.14	0.088	0.063	0.045	0.023	-kpa
0.50/0.40	0.23	0.26	0.24	0.19	0.14	0.088	0.063	0.045	0.023	84

抽真空时间/Vacuum time

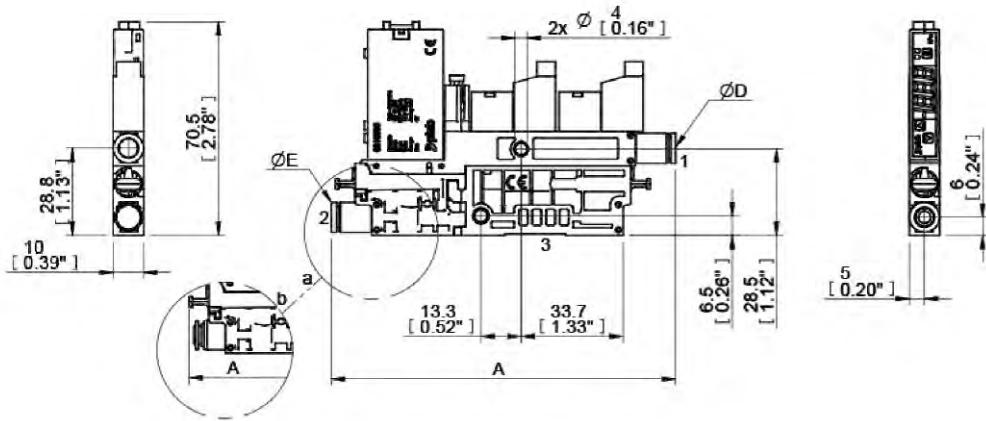
供气压力真空泵/喷嘴 Feed pressure vacuum pump/nozzle	每个泵/喷嘴的空气消耗量 Air consumption per pump /nozzle	达到不同真空度 (-kPa) 的抽气时间 Pumping time to different vacuum (- kPa)								最大真空度 Max vacuum
		10	20	30	40	50	60	70	80	
Mpa	NI/s	0.40	0.87	1.49	2.38	3.71	5.57	8.52	15.44	-kpa
0.50/0.40	0.23	0.40	0.87	1.49	2.38	3.71	5.57	8.52	15.44	84

外形尺寸/Dimensions



说明 Description	单位 Unit	值 Value
A	mm	113.6
ΦD	mm	Φ6
ΦE	mm	Φ6

配置 Configuration	值 Value
a	ø6 推入式连接器 ø6 push-in connector



订购信息/Ordering information

说明 Description	产品代码 Product code
COMPACT10E, 超高真空流量 (micro), 显示屏, 模拟和数字输出, NPN, ø6 推入式连接器, 1 通道, Φ6推入式连接器, 集成式消音器, NC 真空常闭 + NC 吹气常闭 COMPACT10E, ultra high vacuum flow (micro), display screen, analog and digital output, NPN, ø6 push in connector, 1 channel, ø6 push in connector, integrated muffler, NC vacuum normally closed + NC blowing normally closed	C10E.T.BB.6.1.6.EJ.CC

VLCLASSIC XI x 2 真空发生器 VLCLASSIC XI x 2 Vacuum Generator



型号(Model)
VLCLASSIC XI x 2

概述/Summary

物料 Materiel	CuZn, NBR (FKM), PA, SS, Al
噪音 Noise level	64 – 69 dBA
温度范围 Temperature	-10 – 80 °C
重量 Weight	550 g
消音器重量 Muffler weight	120 g

真空流量/Vacuum flow (NI/s)

进气压力 Feed pressure	耗气量 Gas consumption	真空流量 (NI/s) @真空度 (-kPa) Vacuum flow(NI/s) @ vacuum (- kPa)										最大真空度 Max vacuum
		0	10	20	30	40	50	60	70	80	90	
Mpa	NI/s	11.8	6	4	2.6	1.46	1.16	0.86	0.64	0.36	0.06	-kPa
0.45	3.66	11.8	6	4	2.6	1.46	1.16	0.86	0.64	0.36	0.06	95

排气时间/Exhaust time (s/l)

进气压力 Feed pressure	耗气量 Gas consumption	排气时间 (s/l) 真空度 (-kPa) Exhaust time (s / L) Vacuum (- kPa)										最大真空度 Max vacuum
		10	20	30	40	50	60	70	80	90	-kPa	
Mpa	NI/s	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	-kPa	
0.45	3.66	0.011	0.031	0.06	0.11	0.19	0.29	0.42	0.6	1.1	95	

数据表所指明的数值可进行测试：

The values indicated in the data sheet can be tested:

室温 Room temperature	(20 °C [68 °F] ± 3 °C [5.5 °F])
标准大气压 Standard atmosphere	(101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
相对湿度 Relative humidity	0-100%
压缩空气品质 Compressed air quality	DIN ISO 8573-1 class 4

- 高效节能发生器技术。
- 真空发生管可在高达 95 -kPa 的真空度下提供高流量。
- 适用于需高真空度的无渗透应用。
- 大容量范围, 可提供 1 至 6 个真空发生管如有需要, VLCLASSIC 可以由较小的容量很轻松的升级为更大容量。
- 轻巧、可配置的和模块化设计。
- 易于拆卸维护。
- High efficiency and energy saving generator technology.
- The vacuum generating tube can provide high flow rate under the vacuum degree up to 95 - kPa.
- Suitable for non permeable applications requiring high vacuum.
- Large capacity range, 1 to 6 vacuum tubes can be provided. If necessary, vlclassic can be easily upgraded from smaller capacity to larger capacity.
- Lightweight, configurable and modular design.
- Easy to disassemble and maintain.

性能/Performance

最大进气压力 Feed pressure, max.	0.7 MPa
最佳进气压力 Feed pressure, optimum	0.45 MPa
最大真空度 Max vacuum	95 -kPa

气动参数/Aerodynamic parameters

内部容积 Internal volume	140 cm ³
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