

# SUCTION CUPS / VMECA Customized

## KPS-5



### Features and Strengths

Developed to be used specially for bag opening application  
Suitable to be used in thin plastic and film type material

### Examples of use

Plastic bag opening, Thin Film Material, Paper Bag Handling



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
KPS-5	2.00	0.70	1.53	1.83

※ The lifting force above does not include safety factor

### Material Specifications

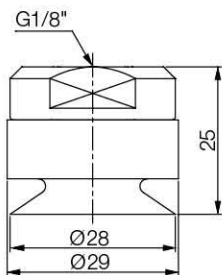
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100

### Material Resistance

Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohol	Good	Good	Good	Good	Good	Fair
Acid	Fair	Poor	Poor	Poor	Poor	Poor

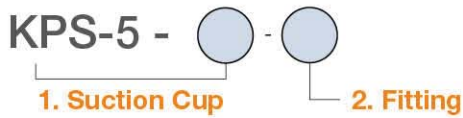
### Dimension

[ Unit : mm ]



[With 18F fitting]

## I Build an Ordering No.



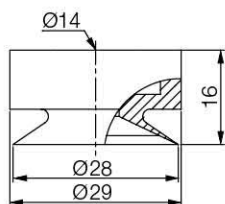
1. Suction cup	Description	Symbol
	Customized suction cup, 28mm diameter, Nitrile (NBR)	KPS5-N
	Customized suction cup, 28mm diameter, Silicone	KPS5-S
	Customized suction cup, 28mm diameter, White silicone	KPS5-WS
	Customized suction cup, 28mm diameter, White silicone (FDA)	KPS5-WS(FDA)
	Customized suction cup, 28mm diameter, High temperature silicone	KPS5-HS
	Customized suction cup, 28mm diameter, Conductive silicone	KPS5-CS
	Customized suction cup, 28mm diameter, Urethane	KPS5-U
2. Fitting	Description	Symbol
	Fitting, G1/8 female	18F
	Fitting, G1/8 female, Mesh filter	M-18F

## I Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
KPS5-N	Customized suction cup, 28mm diameter, Nitrile (NBR)	7.07	Black
KPS5-S	Customized suction cup, 28mm diameter, Silicone	6.48	Red
KPS5-WS	Customized suction cup, 28mm diameter, White silicone	6.48	Translucent White
KPS5-WS(FDA)	Customized suction cup, 28mm diameter, White silicone (FDA)	6.48	Translucent White
KPS5-HS	Customized suction cup, 28mm diameter, High temperature silicone	6.56	Blue
KPS5-CS	Customized suction cup, 28mm diameter, Conductive silicone	6.65	Smoky Black
KPS5-U	Customized suction cup, 28mm diameter, Urethane	7.35	Dark Green

## I Dimension

[ Unit : mm ]



[Rubber Part]

## I Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3351	18F	G1/8 female	16.22
350 000 4351	18F-F	G1/8 female, Mesh filter	16.26