



MPE vacuum suction cup



Packaging



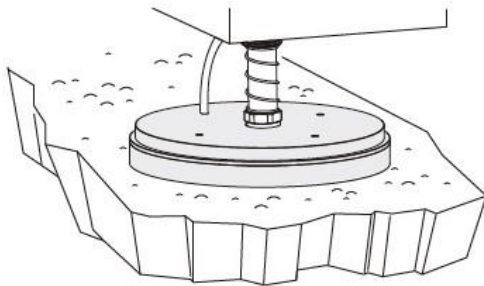
Stone



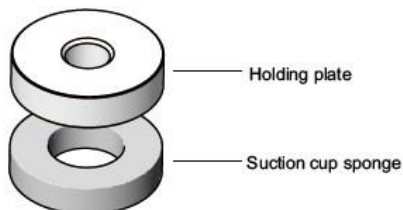
Rough surface



Application of MPE vacuum suction cup



System design of MPE vacuum suction cup



Introduction

- ◆ Round foam sponge
- ◆ Metal holding plate
- ◆ EPDM foam (black), GE20 foam rubber (orange)
- ◆ Long service life, good sealing, strong suction force
- ◆ Lightweight, heavy-load, large-area holding plate
- ◆ The customer can choose the appropriate model according to the actual operating condition
- ◆ Applicable to workpieces of different sizes and in different shapes

Application

- ◆ Applicable to suctioning objects with very rough or uneven surfaces, such as rough slates, embossed plates, marble slabs, tiles, cement slabs, checkered metal plates, etc.
- ◆ EPDM - With high resistance to weather and ozonation but poor yielding and storage stability, applicable to gripping objects with rough surfaces, suitable for outdoor operations, but not suitable for applications in the food industry
- ◆ GE20 - With good yielding elasticity and scalability, and high wear resistance, tear resistance and cutting resistance, but poor oil resistance, heat resistance and aging resistance, applicable to gripping objects with very rough surfaces, but not suitable for applications in the food industry

Structure

- ◆ Consists of a metal holding plate and sponge, where the sponge is self-adhesive and can be directly stuck to the holding plate, and can be purchased and replaced separately



MPE vacuum suction cup purchase guide

MPE 40 G1/4-IG G

① ② ③ ④

① Product series	② Suction area	③ Connecting thread	④ Material
MPE	40 - ϕ 40mm 64 - ϕ 64mm 92 - ϕ 92mm 127 - ϕ 127mm 180 - ϕ 180mm	G1/4-IG - G1/4 female thread G3/8-IG - G3/8 female thread Note: IG=Female thread	G - GE20 E - EPDM

Model specifications of MPE vacuum suction cup

Model specification	G1/4-IG	G3/8-IG
MPE 40...	●	-
MPE 64...	●	-
MPE 92...	-	●
MPE 127...	-	●
MPE 180...	-	●

Model specifications of MPE vacuum suction cup fittings

Fitting Name	Material		Applicable Suction Cup
	GE20	EPDM	
Suction cup sponge	MPE GE 40	MPE ED 40	MPE 40
	MPE GE 64	MPE ED 64	MPE 64
	MPE GE 92	MPE ED 92	MPE 92
	MPE GE 127	MPE ED 127	MPE 127
	MPE GE 180	MPE ED 180	MPE 180

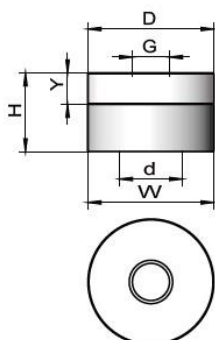
Technical parameters of MPE vacuum suction cup

Model	Suction force N	Internal Volume cm ³	Operating temperature °C	Weight g
MPE 40 G1/4 □	7.8	4.7	-40...80	35.6
MPE 64 G1/4 □	35	18.8	-40...80	86.5
MPE 92 G3/8 □	85	48.2	-40...80	196.3
MPE 127 G3/8 □	175	99.6	-40...80	490
MPE 180 G3/8 □	385	230.7	-40...80	780

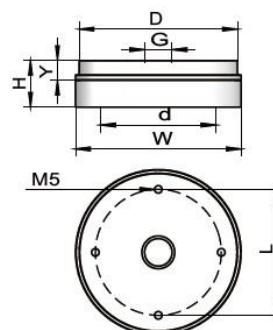


Design parameters of MPE vacuum suction cup

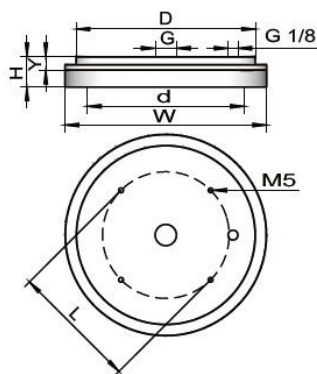
MPE 40



MPE 64 to 92



MPE 127 to 180



Model	Size (mm)						
	D	d	H	Y	W	L	G
MPE 40 G1/4 □	40	20	25	10	40	-	G1/4
MPE 64 G1/4 □	60	40	25	10	64	50	G1/4
MPE 92 G3/8 □	88	64	26	11	92	70	G3/8
MPE 127 G3/8 □	120	92	30	15	127	100	G3/8
MPE 180 G3/8 □	160	140	27	12	180	115	G3/8