

Flat Suction Cups(Round)

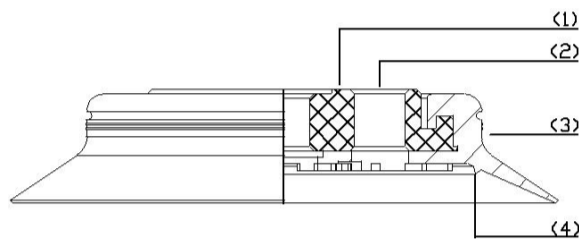
Vacuum Suction Cups MPU

Suction area (ϕ) 125mm to 300mm

Vacuum suction cups MPU



System design flat suction cups MPU



Introduction and application

- ◆ Round flat suction cups for handling of smooth, flat workpieces
- ◆ Series MPU with thicker sealing lip: handling of workpieces slightly rough surface, such as wood or scaly metal sheets

Design

- ◆ Vacuum suction cups MPU consisting of sealing plate(3) and aluminum support plate(1)
- ◆ The mounting plate is embedded in the sucker pad with special structure, which is especially firm
- ◆ Vacuum suction cups MPU with double sealing lips, The internal sealing structure (4) for better sucking workpieces with slightly rough
- ◆ Side vacuum connector(2) normally sealed with a plug(glued into position for extra safety)
- ◆ When worn, the seal can be replaced separately

Ordering Guide Flat Suction Cups MPU

Item no.	Suction area ϕ [mm]	Material and Shore hardness	Connection thread
MPU	125 to 300	NBR-55 SI-60	G1/4-IG G1/2-IG

Note: MPU IG=Internal thread(F)

Ordering Data Flat Suction Cups MPU

Type	Suction cup material*/Hardness in Shore A	
	Nitrile rubber 55 \pm 5ShA	Silicone rubber SI60 \pm 5ShA
MPU 125 G1/4-IG	90.02.01.00436	90.02.01.00443
MPU 160 G1/2-IG	90.02.01.00437	90.02.01.00444
MPU 210 G1/2-IG	90.02.01.00438	90.02.01.00445
MPU 250 G1/2-IG	90.02.01.00439	90.02.01.00446
MPU 300 G1/2-IG	90.02.01.00440	90.02.01.00447

Flat Suction Cups(Round)

Vacuum Suction Cups MPU

Suction area (ϕ) 125mm to 300mm

Ordering Data Spare Parts Suction Pads

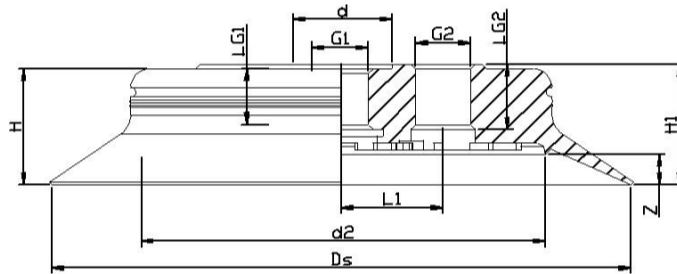
Type	Suction cup material/Hardness in Shore A	
	Nitrile rubber 55±5ShA	Silicone rubber SI60±5ShA
MPU 125	90.02.03.00413	90.02.03.00420
MPU 160	90.02.03.00414	90.02.03.00421
MPU 210	90.02.03.00415	90.02.03.00422
MPU 250	90.02.03.00416	90.02.03.00423
MPU 300	90.02.03.00417	90.02.03.00424

Technical Data Flat Suction Cups MPU

Type	Suction Force		Internal volume [cm ³]	Min.curve radius [mm](Convex)	Recom.internalhose diameter d[mm]
	Ds[N]	d2[N]			
MPU 125 G1/4-IG	660	365	70	220	9
MPU 160 G1/2-IG	1090	600	123	350	12
MPU 210 G1/2-IG	1870	1250	226	750	12
MPU 250 G1/2-IG	2650	1940	332	2200	12
MPU 300 G1/2-IG	3810	3010	492	3500	12

Technical Data Flat Suction Cups MPU

MPU 125 to 300



Type	Dimensions[mm]										
	d	d2	Ds	G1	G2	H	H1	L1	LG1	LG2	Z(Stroke)
MPU 125 G1/4-IG	22	83	125	G1/4"-F	G1/4"-F	25.0	26.0	22.0	13.0	14	7
MPU 160 G1/2-IG	34	113	160	G1/2"-F	G1/4"-F	25.0	26.5	36.5	13.5	15	7
MPU 210 G1/2-IG	34	163	210	G1/2"-F	G1/4"-F	25.0	26.5	36.5	13.5	15	7
MPU 250 G1/2-IG	34	203	250	G1/2"-F	G1/2"-F	25.0	26.5	76.0	13.5	15	7
MPU 300 G1/2-IG	34	253	300	G1/2"-F	G1/2"-F	25.0	26.5	76.0	13.5	15	6