

MAXB Bellows Suction Cups for Handling Sheet Metal

Size: 20-120mm

Material: TPE



Sheet
metal



Skid
resistance



Greasy
surface



Longlife

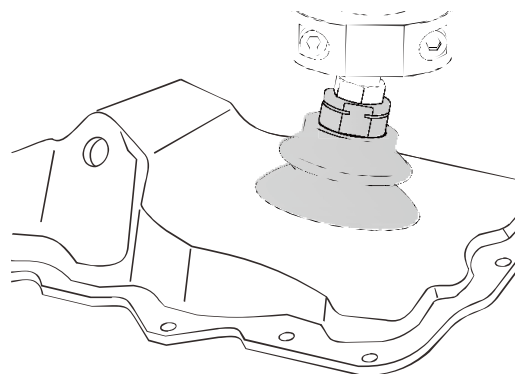


Introduction

- Extremely adaptable bellows suction cup for optimum suction capacity on sheet metal and car body parts
- Specially structured friction surface for maximum holding force at high accelerations, especially on oily surfaces
- Very good adaptation to different workpiece contours due to high stroke of the suction cup
- Flexible sealing lip seals very well even on curved workpiece surfaces

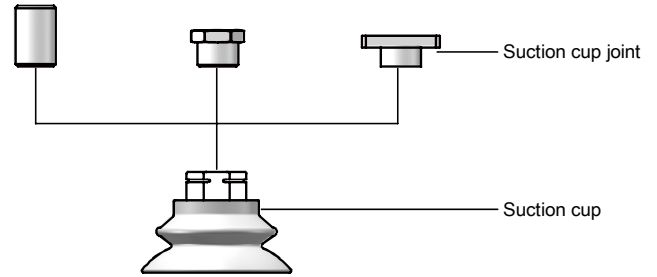
Application

- High-speed bellows suction cup for best adaptability on curved surfaces
- Handling of workpieces with oily surfaces
- Loading and unloading of CNC metalworking and laser cutting machines
- Handling of sheet metal blanks during destacking
- Handling of workpieces with curved surfaces



Structure

- Round bellows suction cup made of wear resistant material TPE
- Flexible sealing lip with structured friction surface
- Connection nipple made of aluminum positively overmolded
- Available as mounted suction cup with different connection types and wrench flat for easy and quick assembly



purchase guide

MAXB 30 TPE G1/4-AG

① ② ③ ④

① Product series	② Size specification	③ Material and Shore hardness	④ Connection
MAXB	20 - 20mm 30 - 20mm 40 - 40mm 50 - 50mm 60 - 60mm 80 - 80mm 100 - 100mm 120 - 120mm	TPE - 80°	G1/4-AG - G1/4 male thread G1/4-IG - G1/4 female thread G3/8-AG - G3/8 male thread G3/8-IG - G3/8 female thread M10× 1.5-AG - M10× 1.5 male thread M16× 1.5-AG - M16× 1.5 male thread RA rectangular adapter <i>Note:AG=MalethreadIG=Femalethread</i>

Model specifications

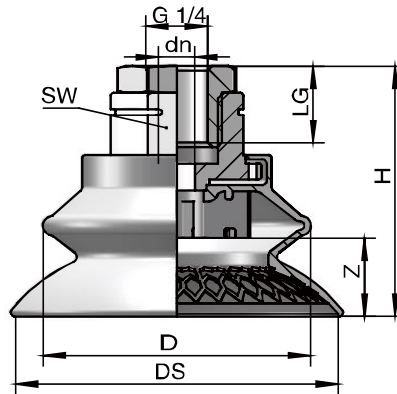
Model specification	G1/4-AG	G1/4-IG	G3/8-AG	G3/8-IG	M10× 1.5-AG	M16× 1.5-AG	RA rectangular adapter
MAXB 20...	●	●	●	●	●	●	●
MAXB 30...	●	●	●	●	●	●	●
MAXB 40...	●	●	●	●	●	●	●
MAXB 50...	●	●	●	●	●	●	●
MAXB 60...	●	●	●	●	●	●	●
MAXB 80...	●	●	●	●	●	●	●
MAXB 100...	●	●	●	●	●	●	●
MAXB 120...	●	●	●	●	●	●	●

Technical parameters

Model	Suction force N	Lateral force N	Lateral force applied to greasy surface	Internal Volume cm ³	Minimum radius of curvature of workpiece mm (convex)
MAXB 20...	18	13	10	1.9	8
MAXB 30...	24	24	20	5.3	13
MAXB 40...	42	45	37	8.7	18
MAXB 50...	58	78	67	18.9	22
MAXB 60...	90	105	81	31.9	30
MAXB 80...	150	176	155	70.7	33
MAXB 100...	210	264	243	138.4	45
MAXB 120...	275	479	380	251.7	68

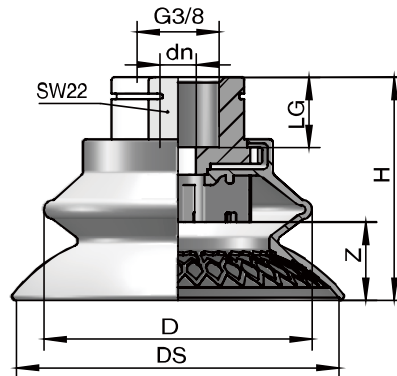
purchase guide

MAXB... G1/4-IG

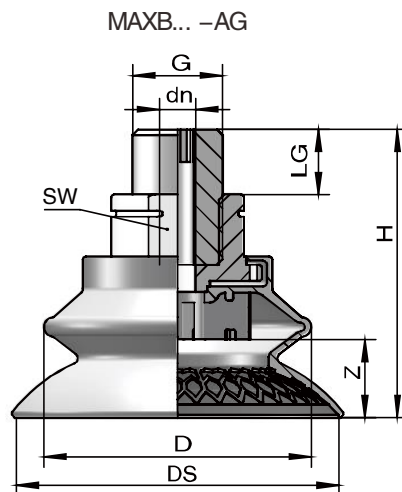


Model	Size (mm)						
	dn	DS	D	LG	SW	H	Z
MAXB 20 TPE G1/4-IG	4.1	20.4	20.6	11	17	25.0	5.8
MAXB 30 TPE G1/4-IG	4.1	28.9	29.9	11	17	28.0	9.0
MAXB 40 TPE G1/4-IG	4.1	39.4	33.8	11	17	28.8	9.8
MAXB 50 TPE G1/4-IG	6.1	49.6	43.2	15	22	41.9	11.6
MAXB 60 TPE G1/4-IG	6.1	59.6	49.4	15	22	46.3	14.5
MAXB 80 TPE G1/4-IG	6.1	81.0	54.1	15	22	55.0	22.2
MAXB 100 TPE G1/4-IG	8.1	99.6	78.4	15	22	61.5	25.8
MAXB 120 TPE G1/4-IG	8.1	120.6	95.0	15	22	72.8	32.0

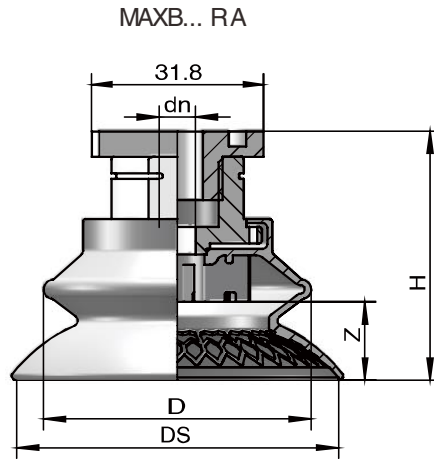
MAXB... G3/8-IG



Model	Size (mm)						
	dn	DS	D	LG	SW	H	Z
MAXB 20 TPE G3/8-IG	4.1	20.4	20.6	9	22	41.0	5.8
MAXB 30 TPE G3/8-IG	4.1	28.9	29.9	9	22	44.0	9.0
MAXB 40 TPE G3/8-IG	4.1	39.4	33.8	9	22	44.8	9.8
MAXB 50 TPE G3/8-IG	6.1	49.6	43.2	13	22	36.9	11.6
MAXB 60 TPE G3/8-IG	6.1	59.6	49.4	13	22	41.3	14.5
MAXB 80 TPE G3/8-IG	6.1	81.0	54.1	13	22	50.0	22.2
MAXB 100 TPE G3/8-IG	8.1	99.6	78.4	13	22	56.6	25.8
MAXB 120 TPE G3/8-IG	8.1	120.6	95.0	13	22	67.8	32.0



Model	Size (mm)							
	dn	DS	D	G	LG	SW	H	Z
MAXB 20 TPE G1/4-AG	4.1	20.4	20.6	G1/4-AG	10	17	35.0	5.8
MAXB 20 TPE G3/8-AG	4.1	20.4	20.6	G3/8-AG	10	17	35.0	5.8
MAXB 20 TPE M10-AG	4.1	20.4	20.6	M10-AG	12	17	37.0	5.8
MAXB 20 TPE M16-AG	4.1	20.4	20.6	M16-AG	11	17	26.0	5.8
MAXB 30 TPE G1/4-AG	4.1	28.9	29.9	G1/4-AG	10	17	38.0	9.0
MAXB 30 TPE G3/8-AG	4.1	28.9	29.9	G3/8-AG	10	17	38.0	9.0
MAXB 30 TPE M10-AG	4.1	28.9	29.9	M10-AG	12	17	40.0	9.0
MAXB 30 TPE M16-AG	4.1	28.9	29.9	M16-AG	11	17	39.0	9.0
MAXB 40 TPE G1/4-AG	4.1	39.4	33.8	G1/4-AG	10	17	38.8	9.8
MAXB 40 TPE G3/8-AG	4.1	39.4	33.8	G3/8-AG	10	17	38.8	9.8
MAXB 40 TPE M10-AG	4.1	39.4	33.8	M10-AG	12	17	40.8	9.8
MAXB 40 TPE M16-AG	4.1	39.4	33.8	M16-AG	11	17	39.8	9.8
MAXB 50 TPE G1/4-AG	6.1	49.6	43.2	G1/4-AG	13	22	49.9	11.6
MAXB 50 TPE G3/8-AG	6.1	49.6	43.2	G3/8-AG	10	22	46.9	11.6
MAXB 50 TPE M10-AG	4.1	49.6	43.2	M10-AG	12	22	48.9	11.6
MAXB 50 TPE M16-AG	6.1	49.6	43.2	M16-AG	11	22	47.9	11.6
MAXB 60 TPE G1/4-AG	6.1	59.6	49.4	G1/4-AG	10	22	51.3	14.5
MAXB 60 TPE G3/8-AG	6.1	59.6	49.4	G3/8-AG	10	22	51.3	14.5
MAXB 60 TPE M10-AG	4.1	59.6	49.4	M10-AG	12	22	53.3	14.5
MAXB 60 TPE M16-AG	6.1	59.6	49.4	M16-AG	11	22	52.3	14.5
MAXB 80 TPE G1/4-AG	6.1	81.0	54.1	G1/4-AG	10	22	60.0	22.2
MAXB 80 TPE G3/8-AG	6.1	81.0	54.1	G3/8-AG	10	22	60.0	22.2
MAXB 80 TPE M10-AG	4.1	81.0	54.1	M10-AG	12	22	62.0	22.2
MAXB 80 TPE M16-AG	6.1	81.0	54.1	M16-AG	11	22	61.0	22.2
MAXB 100 TPE G1/4-AG	6.1	99.6	78.4	G1/4-AG	10	22	66.6	25.8
MAXB 100 TPE G3/8-AG	6.1	99.6	78.4	G3/8-AG	10	22	66.6	25.8
MAXB 100 TPE M10-AG	4.1	99.6	78.4	M10-AG	12	22	68.6	25.8
MAXB 100 TPE M16-AG	6.1	99.6	78.4	M16-AG	11	22	67.6	25.8
MAXB 120 TPE G1/4-AG	6.1	120.6	95.0	G1/4-AG	10	22	77.8	32.0
MAXB 120 TPE G3/8-AG	6.1	120.6	95.0	G3/8-AG	10	22	77.8	32.0
MAXB 120 TPE M10-AG	4.1	120.6	95.0	M10-AG	12	22	79.8	32.0
MAXB 120 TPE M16-AG	6.1	120.6	95.0	M16-AG	11	22	78.8	32.0



Model	Size (mm)	dn	DS	D	H	Z
MAXB 20 TPE RA		4.1	20.4	20.6	31.7	5.8
MAXB 30 TPE RA		4.1	28.9	29.9	34.7	9.0
MAXB 40 TPE RA		4.1	39.4	33.8	35.5	9.8
MAXB 50 TPE RA		6.1	49.6	43.2	41.6	11.6
MAXB 60 TPE RA		6.1	59.6	49.4	46.0	14.5
MAXB 80 TPE RA		6.1	81.0	54.1	54.7	22.2
MAXB 100 TPE RA		8.1	99.6	78.4	61.3	25.8
MAXB 120 TPE RA		8.1	120.6	95.0	72.5	32.0