

Bellows suction cup (oval)

<https://www.schmalz.com/10.01.06.01030>

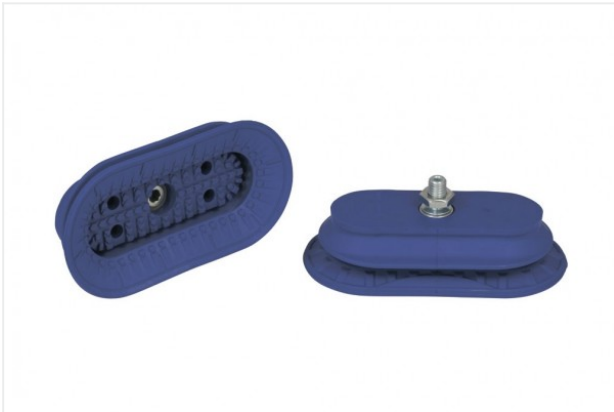


SAOB 140x70 NBR-60 M10-AG

Part no.: 10.01.06.01030

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Bellows suction cup (oval) for high dynamic on curved, oily surfaced workpieces



Dimensions (LxB): 140 x 70 mm

Suction cup material:

Nitrile rubber NBR

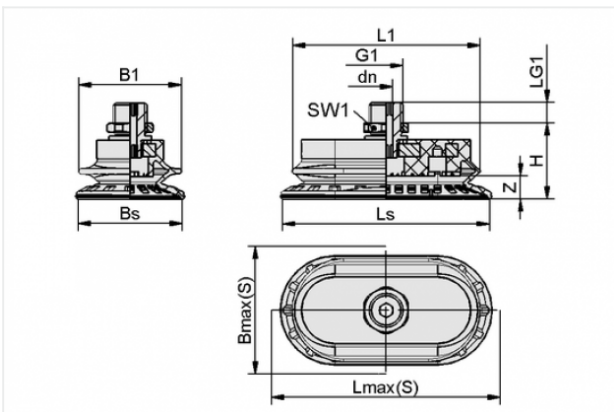
Material hardness: 60 °Sh

Nipple material: Steel

Vacuum connection: M10-M

Number of folds: 1.5

Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

| | |
|----|-------|
| B1 | 67 mm |
|----|-------|

| | |
|---------|-------|
| Bmax(S) | 75 mm |
|---------|-------|

| | |
|----|---------|
| Bs | 70.1 mm |
|----|---------|

| | |
|----|------|
| dn | 4 mm |
|----|------|

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|----|-------|
| G1 | M10-M |
|----|-------|

| | |
|---|---------|
| H | 39.5 mm |
|---|---------|

| | |
|----|--------|
| L1 | 126 mm |
|----|--------|

| | |
|-----|-------|
| LG1 | 10 mm |
|-----|-------|

| | |
|---------|--------|
| Lmax(S) | 146 mm |
|---------|--------|

| | |
|----|----------|
| Ls | 141.1 mm |
|----|----------|

| | |
|-----|-------|
| SW1 | 17 mm |
|-----|-------|

| | |
|---|---------|
| Z | 16.5 mm |
|---|---------|

Contact to Schmalz

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Technical Data

| Attribute | Value |
|---------------------------------|---------------------|
| Suction force | 165 N |
| Pull-off force | 355.2 N |
| Lateral force | 472.7 N |
| Lateral force (oily surface) | 245.6 N |
| Volume | 106 cm ³ |
| Curve radius (min) (convex) | 70 mm |
| Internal hose diameter (recom.) | 6 mm |
| Dimensions (LxB) | 140 x 70 mm |
| Suction cup material | Nitrile rubber NBR |
| Material hardness | 60 °Sh |
| Number of folds | 1.5 |
| Weight | 120.7 g |
| Product family | SAOB |

Note:

- Suction force: The specified suction forces are theoretical values at a vacuum of -0.6 bar and with a smooth, dry workpiece surface - they do not include a safety factor
- Lateral force: The specified lateral forces are values measured at a vacuum of -0.6 bar with a dry or oily, smooth, flat workpiece surface. Depending on the workpiece surface and its quality, the actual values may deviate from these values
- Hose diameter: The recommended hose diameter refers to a hose length of approx. 2 m