

# VACUUM CUPS & BELLOWS M/58300, M/58400

Ø 6 ... 150 mm

Flat cups ideal where minimal movement is required for pliable materials

Bellows cups ideal where level compensation is required

## TECHNICAL DATA

### Medium:

Vacuum

### Operating temperature:

-10°C to +70°C for nitrile rubber cups -30°C to +200°C for silicone cups

Consult our Technical Service for use below +2°C



## MATERIALS

### M/58\*\*\*/01

Cups: nitrile rubber

Connection fittings: aluminium

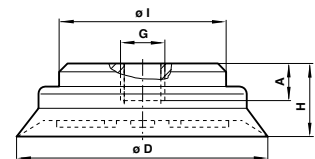
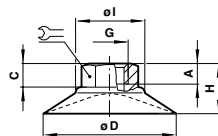
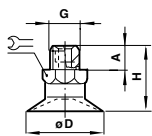
### M/58\*\*\*/02

Cups: silicone

Connection fittings: aluminium

## Material Characteristics

|                    | Nitrile rubber | Silicone  |
|--------------------|----------------|-----------|
| Wear resistance    | Good           | Fair      |
| Oil resistance     | Excellent      | Fair      |
| Weather resistance | Good           | Excellent |
| Ozone resistance   | Fair           | Excellent |



## Dimensions (Flat cups)

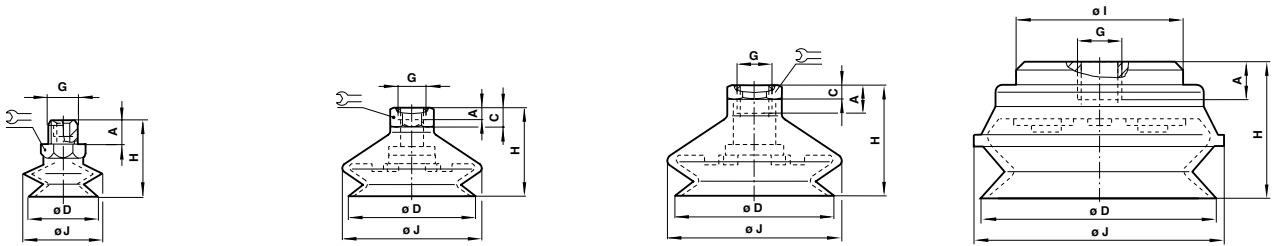
| Model | M/58301/0 | M/58302/0 | M/58303/0 | M/58304/0 | M/58305/0 | M/58306/0 | M/58307/0 | M/58308/0 | M/58309/0 | M/58310/0 | M/58311/0 | M/58312 |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| Ø D   | 6         | 8         | 10        | 15        | 20        | 25        | 30        | 40        | 50        | 80        | 120       | 150     |
| A     | 4,5       | 4,5       | 4,5       | 4,5       | 8         | 8         | 8         | 6         | 6         | 13        | 9,5       | 9,5     |
| C     | -         | -         | -         | -         | -         | -         | -         | 9         | 11        | 3,5       | -         | -       |
| G     | M 5       | M 5       | M 5       | M 5       | G1/8 A    | G1/8 A    | G1/8 A    | G1/8      | G1/8      | G1/8      | G1/2      | G1/2    |
| H     | 15        | 16        | 20        | 21        | 19,5      | 20        | 20,5      | 23        | 26        | 21,5      | 34,5      | 41,5    |
| Ø I   | -         | -         | -         | -         | -         | -         | -         | 24        | 26        | 53        | 65        | 65      |
| ⊗     | 8         | 8         | 8         | 14        | 14        | 14        | 14        | 14        | 19        | -         | -         | -       |



For further information  
[www.norgren.com/info/nec/en076](http://www.norgren.com/info/nec/en076)

## VACUUM CUPS & BELLOWS M/58300, M/58400

Ø 6 ... 150 mm



### Dimensions (Bellows cups)

| Model | M/58403/0 | M/58404/0 | M/58405/0 | M/58407/0 | M/58408/0 | M/58409/0 | M/58410/0 | M/58411/0 | M/58412/0 |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ø     | 10        | 15        | 20        | 30        | 40        | 50        | 75        | 110       | 150       |
| A     | 5         | 5         | 7,5       | 7,5       | 6         | 6         | 12        | 9,5       | 9,5       |
| C     | -         | -         | -         | -         | 9         | 9         | 4         | -         | -         |
| Ø D   | 11        | 16        | 22        | 33        | 43        | 53        | 78        | 110       | 150       |
| G     | M 5       | M 5       | G1/8 A    | G1/8 A    | G1/8      | G1/8      | G1/8      | G1/2      | G1/2      |
| H     | 26        | 29        | 30,5      | 39        | 37        | 43        | 50        | 66,5      | 85,5      |
| Ø I   | -         | -         | -         | -         | -         | -         | -         | 65        | 65        |
| Ø J   | 12        | 17        | 24        | 36        | 46        | 59        | 83        | 122       | 167       |
|       | 7         | 7         | 14        | 17        | 17        | 17        | 21        | -         | -         |

### Models

| FLAT          |                | Dia. Ø<br>mm | Force (N) |          |          |
|---------------|----------------|--------------|-----------|----------|----------|
| Model Nitrile | Model Silicone |              | -0,2 bar  | -0,6 bar | -0,9 bar |
| M/58301/01    | M/58301/02     | 6            | 0,5       | 1,5      | 2,3      |
| M/58302/01    | M/58302/02     | 8            | 1         | 2,5      | 3,5      |
| M/58303/01    | M/58303/02     | 10           | 1,5       | 4        | 6        |
| M/58304/01    | M/58304/02     | 15           | 2,7       | 8        | 12       |
| M/58305/01    | M/58305/02     | 20           | 5         | 15,5     | 23       |
| M/58306/01    | M/58306/02     | 25           | 9         | 26,5     | 40       |
| M/58307/01    | M/58307/02     | 30           | 11        | 34       | 51       |
| M/58308/01    | M/58308/02     | 40           | 19        | 57,5     | 86       |
| M/58309/01    | M/58309/02     | 50           | 30        | 91       | 135      |
| M/58310/01    | M/58310/02     | 80           | 86        | 260      | 390      |
| M/58311/01    | M/58311/02     | 120          | 180       | 540      | 810      |
| M/58312/01    | M/58312/02     | 150          | 280       | 842      | 1250     |

| BELLOWS       |                | Dia. Ø<br>mm | Force (N) |          |          |
|---------------|----------------|--------------|-----------|----------|----------|
| Model Nitrile | Model Silicone |              | -0,2 bar  | -0,6 bar | -0,9 bar |
| M/58403/01    | M/58403/02     | 10           | 1,5       | 3,5      | 5        |
| M/58404/01    | M/58404/02     | 15           | 3         | 6        | 8        |
| M/58405/01    | M/58405/02     | 20           | 6         | 10       | 14       |
| M/58407/01    | M/58407/02     | 30           | 12        | 22       | 28       |
| M/58408/01    | M/58408/02     | 40           | 22        | 40       | 50       |
| M/58409/01    | M/58409/02     | 50           | 34        | 66       | 84       |
| M/58410/01    | M/58410/02     | 75           | 75        | 170      | 230      |
| M/58411/01    | M/58411/02     | 110          | 140       | 350      | 460      |
| M/58412/01    | M/58412/02     | 150          | 300       | 700      | 900      |

Note: Theoretical values are given in this table. Always allow a safety factor of > 2