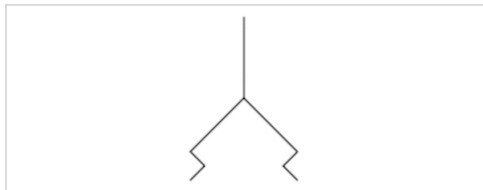


# Flat suction gripper, Series FSR

- F = 16-2560 N
- external diameter 30-300 mm
- Internal thread
- Heat resistant



|                                        |                     |
|----------------------------------------|---------------------|
| Ambient temperature min./max.          | -20 ... 170 °C      |
| Hardness according to standard         | 60 ± 5 Shore A      |
| Abrasion value according to DIN 535 16 | 154 mm <sup>3</sup> |
| Weight                                 | See table below     |



## Technical data

| Part No.   | Compressed air connection | external diameter | Holding force | Volume               | Max. curving on object Rmin |
|------------|---------------------------|-------------------|---------------|----------------------|-----------------------------|
|            |                           |                   | *)            |                      |                             |
| 7320301000 | M5                        | 30 mm             | 16 N          | 2,5 cm <sup>3</sup>  | 50 mm                       |
| 7320501000 | G 1/8                     | 50 mm             | 64 N          | 8 cm <sup>3</sup>    | 110 mm                      |
| 7320751000 | G 1/4                     | 75 mm             | 160 N         | 28 cm <sup>3</sup>   | 165 mm                      |
| 7321001000 | G 3/8                     | 100 mm            | 304 N         | 56 cm <sup>3</sup>   | 165 mm                      |
| 7321501000 | G 1/2                     | 150 mm            | 608 N         | 160 cm <sup>3</sup>  | 306 mm                      |
| 7322251000 | G 3/4                     | 225 mm            | 1480 N        | 500 cm <sup>3</sup>  | 465 mm                      |
| 7323001000 | G 1                       | 300 mm            | 2560 N        | 1250 cm <sup>3</sup> | 758 mm                      |

| Part No.   | Weight  |
|------------|---------|
| 7320301000 | 0,01 kg |
| 7320501000 | 0,02 kg |
| 7320751000 | 0,03 kg |
| 7321001000 | 0,07 kg |
| 7321501000 | 0,21 kg |
| 7322251000 | 0,75 kg |
| 7323001000 | 1,8 kg  |

\*) Theoretical value at 60% vacuum level, without safety factor

## Technical information

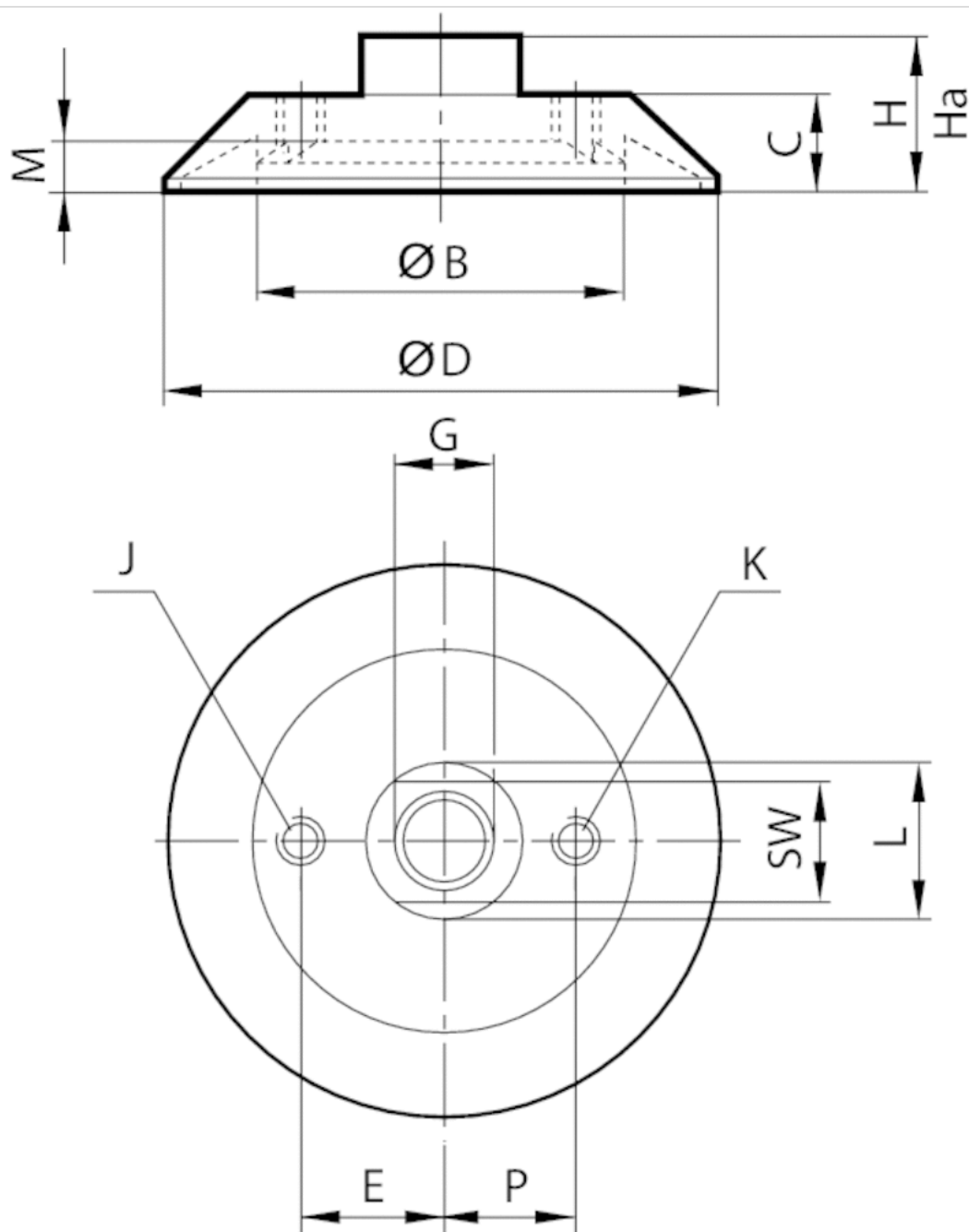
To be used on even, smooth, and rough surfaces.

## Technical information

| Material  |                       |
|-----------|-----------------------|
| Connector | Aluminum              |
| Vacuum    | Fluoromethyl silicone |

## Dimensions

### Dimensions



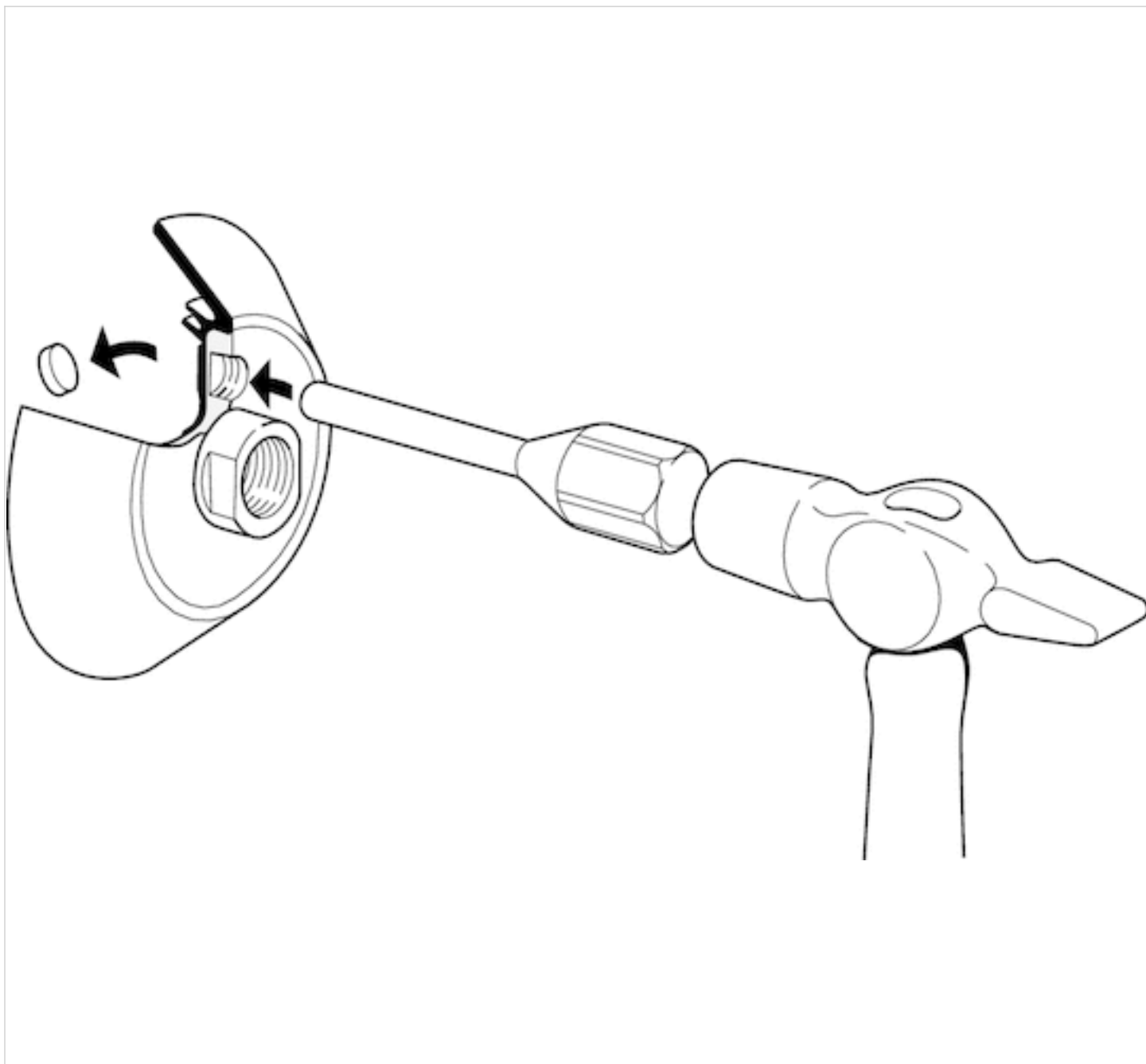
## Dimensions

| Part No.   | $\varnothing D$ | G     | $\varnothing B$ | C  | E  | H  | Ha*) | J     | K     | L  | M   | P  | SW |
|------------|-----------------|-------|-----------------|----|----|----|------|-------|-------|----|-----|----|----|
| 7320301000 | 30 mm           | M5    | 13              | 10 | –  | 17 | 14.5 | –     | –     | 10 | 3.5 | –  | 8  |
| 7320501000 | 50 mm           | G 1/8 | 31              | 11 | –  | 18 | 13.5 | –     | –     | 18 | 5.5 | –  | 14 |
| 7320751000 | 75 mm           | G 1/4 | 49              | 14 | –  | 22 | 16.5 | –     | –     | 22 | 7   | –  | 17 |
| 7321001000 | 100 mm          | G 3/8 | 65.5            | 18 | –  | 28 | 21   | –     | G 1/8 | 24 | 8.5 | 20 | 21 |
| 7321501000 | 150 mm          | G 1/2 | 96              | 26 | –  | 42 | 33   | –     | G 1/8 | 35 | 12  | 30 | 27 |
| 7322251000 | 225 mm          | G 3/4 | 149             | 34 | –  | 54 | 43   | –     | G 1/8 | 50 | 14  | 50 | 41 |
| 7323001000 | 300 mm          | G 1   | 200             | 44 | 70 | 70 | 55   | G 1/2 | G 1/8 | 56 | 19  | 60 | 46 |

\*) Height for vacuum operation

## Dimensions

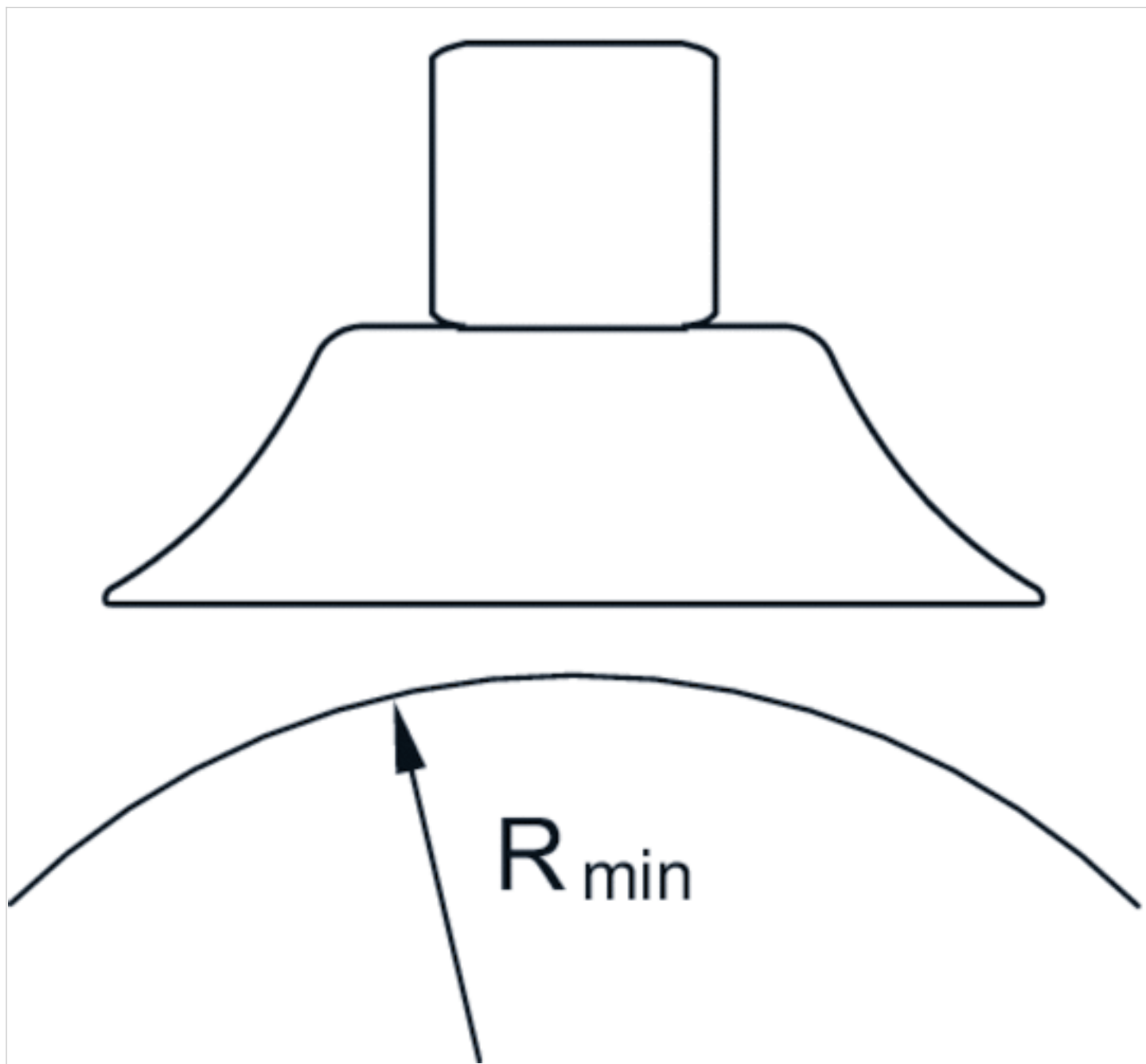
## Technical information



A ventilation valve can be connected at the thread connection of the suction cups Ø 100, 150, 225 and 300. For this, the plug must be knocked from the material with a hammer and mandrel.

## Diagrams

Max. curving on object Rmin



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