



Technical data

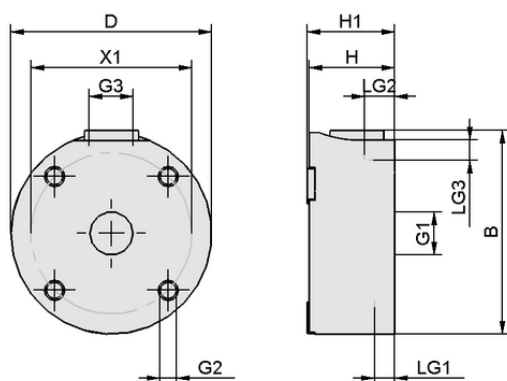
Attribute	Value
Material	Aluminum
Shape	High flow
Compressed air connection	G1/8"-F
Diameter	100.0 mm

SBS 100 HF G1/8-IG AL

Floating suction cup SBS is delivered assembled. The assembly consists of:

- Floating suction cup of type SBS – available in various diameters
- Elastomer buffer made of the material HT1
- Optional product addition: central support

Available spare parts: Elastomer buffer, friction ring



Design data SBS 100 HF G1/8-IG AL

Design data

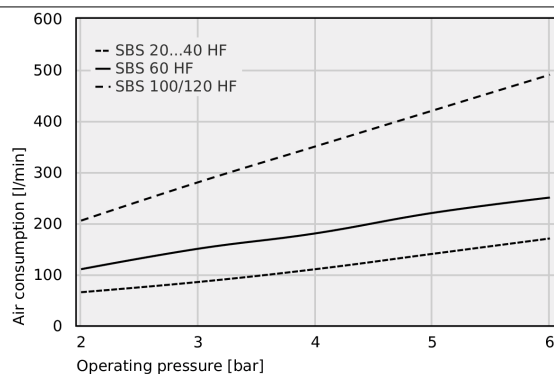
Attribute	Value
Width B	101.00 mm
Height H1	17.40 mm
Height H	17.00 mm
Outside diameter D	100.00 mm
Thread G1	G1/8"-F
Thread length LG1	5.0 mm
Thread G2	M4-F
Thread length LG2	6.0 mm
Thread length LG3	6.0 mm
Hole spacing X1	75.0 mm

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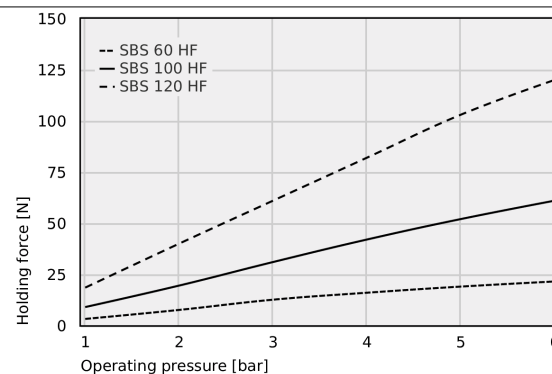
**Technical data**

Attribute	Value
Weight	295.0 g
Air consumption [l/min]	420.0 l/min
Air consumption	25.200 m³/h
Holding force	55.5 N
Pressure range (operating pressure) [bar]	1.0 ... 6.0 bar
Product family	SBS

Note: Air consumption: The values provided are based on an operating pressure of 5 bar, measured on a suction-tight workpiece. The actual values may differ depending on the properties of the workpiece.

**Performance data**

Air consumption



Holding force

**Air consumption**

Typ	2	3	4	5	6
SBS 20...40 HF	65	85	110	140	170
SBS 60 HF	110	150	180	220	250
SBS 100/120 HF	205	280	350	420	490



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Holding force

Typ	1	2	3	4	5	6
SBS 60 HF	3.20	7.60	12.60	16.00	19.00	21.50
SBS 100 HF	9.00	19.50	31.00	42.00	52.00	61.00
SBS 120 HF	18.50	40.00	61.00	82.00	103.00	120.00



Further documentation

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.01.12689



Ordering Data Spare Parts 10.01.01.12689

Typ	Item number
Friction surface (f. spec. grippers)	REIB-FL SBS HT1-60 10.01.01.12593