

# SFGT Series

## Big Flat Suction Cup

AIRBEST



METAL  
SHEET



GLASS

RoHS

### Features

- ◇ Multilayer sealing lip
- ◇ Small inner volume
- ◇ Internal multipoint support structure

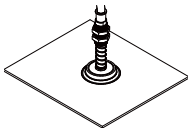
### Advantages

- ◇ Excellent airtightness, large suction force
- ◇ Short work cycle
- ◇ Prevent workpieces from side slipping
- ◇ Rubber parts can be replaced separately, reduce customer's cost greatly



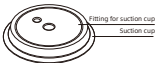
### Applications

- ◇ Flat workpiece with smooth or slightly rough surface
- ◇ Metal sheet
- ◇ Glass



### Structure

- ◇ Fitting for suction cup and rubber parts are split structure design, wearing parts can be replaced separately
- ◇ Note: The functional threaded hole is sealed with a plug when delivered.  
Seal the thread with thread glue or raw tape when connecting



# SFGT Series

## Big Flat Suction Cup

**AIRBEST**

Suction Cup

### How to order

## SFGT 120 WS - G3F

① ② ③ ④

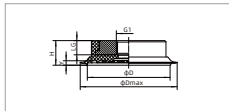
① Series	② Diameter	③ Material & Hardness	④ Connection thread
SFGT	65 - $\phi 65$ mm 90 - $\phi 90$ mm 120 - $\phi 120$ mm 160 - $\phi 160$ mm	WS - White silicone <span style="border: 1px solid black; padding: 0 2px;">50</span>	Nil - Suction cup only G3F - G3/8 female thread G4F - G1/2 female thread

### Technical parameters

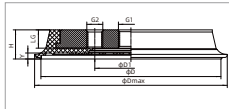
Model	Pull-out force N	Inner volume cm <sup>3</sup>	Recommended hose Dia. mm	Weight g	MPQ pcs
SFGT65-G3F	110	3.5	8	48	1
SFGT90-G3F	320	11	8	110	1
SFGT120-G3F	550	25	10	226	1
SFGT160-G4F	1010	81	10	584	1

○ Note: Testing vacuum level - 60kPa, workpiece with smooth and clean surface. The data of pull-out force as above are figured out without considering safety factor. The data may be different according to different workpiece surfaces. Recommend the length of vacuum hose to be as short as possible, max 2m.

### Dimensions mm



SFGT65-SFGT90



SFGT120-SFGT160

Model/Size	$\phi D_{max}$	$\phi D$	G1	H	Y	LG
SFGT65-G3F	65	55	G3/8	16.5	3	9.5
SFGT90-G3F	90	79.5	G3/8	17	2.5	11

Model/Size	$\phi D_{max}$	$\phi D$	$\phi D1$	G1	G2	H	Y	LG
SFGT120-G3F	120	108	52	G3/8	G1/4	17.4	2.9	11
SFGT160-G4F	160	150	60	G1/2	G1/4	24.4	5.2	15.2

○ Note: 1. The dimensional tolerance conforms to GB/T3672.1-2002-1 M3 rubber product dimensional tolerance standard.  
2. Dmax is outer diameter of the suction cup when it is completely compressed