

Suction Cup Inserts SPI PEEK

Suction area (Ø) from 6 mm to 32 mm



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Design

- Suction cup inserts made of PEEK with support structure and vacuum channels
- Inserts are tool-free clipped into the lower suction cup fold of bellows suction cups

Suitability for Industry Specific Applications

Applications

- Suction cup inserts for gentle and mark-free gripping and depositing of smooth workpieces
- Application with crystalline solar cells, thin-film modules and wafers / substrates in the semiconductor area
- Handling of glass such as display glass, thin glass with thickness less than 0.1 mm or coated glass without leaving a chemical fingerprint by elastomers
- Use in combination with bellows suction cups FGA (1.5 folds) and FG (2.5 folds)

Product Highlights

- Suction cup inserts made of PEEK inserts prevent chemical fingerprints on thin, smooth workpieces
- Low surface pressure through support structure with flow slots and vacuum channels
- Intelligent vacuum distribution compensates for leaks and ensures high effective suction forces

Designation Code Suction Cup Inserts SPI PEEK

SPI	–	9	–	PEEK
1		2		3

1 – Abbreviated designation

Code	Version
SPI	SPI

2 – Diameter

Code	Diameter in mm
6...32	ø 6 to 32

3 – Material

Code	Material
PEEK	Polyetheretherketon

Suction cup insert SPI PEEK is delivered with the desired diameter.

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Ordering Data Suction Cup Inserts SPI PEEK

Type	Part no.
SPI 6 PEEK	10.01.06.03279
SPI 9 PEEK	10.01.06.03280
SPI 11 PEEK	10.01.06.03281
SPI 14 PEEK	10.01.06.03282
SPI 17 PEEK	10.01.06.03283
SPI 18 PEEK	10.01.06.03284
SPI 21 PEEK	10.01.06.03285
SPI 25 PEEK	10.01.06.03286
SPI 32 PEEK	10.01.06.03287

Technical Data Suction Cup Inserts SPI PEEK

Type*	For suction cup type**
SPI 6 PEEK	FG-5/FGA-6
SPI 9 PEEK	FG-9
SPI 11 PEEK	FGA-11
SPI 14 PEEK	FG12/FG14/FGA14
SPI 17 PEEK	FG-18/FGA-16
SPI 18 PEEK	FGA-20
SPI 21 PEEK	FG-20/FGA-22
SPI 25 PEEK	FG-25/FGA-25
SPI 32 PEEK	FG-32/FGA-33

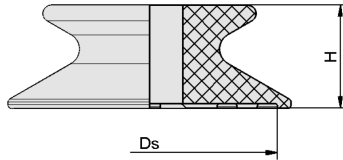
*Suction capacity of min. 2 l/min is recommended. An experiment has to be carried out with the original workpiece and suction cups to define the required suction power for the application. Frictional force is reduced during vertical applications.

**Suitable suction cups are to find in chapter "vacuum suction cups".

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Type	Ds [mm]	H [mm]
SPI 6 PEEK	5.2	3.3
SPI 9 PEEK	7.4	3.5
SPI 11 PEEK	8.8	5.1
SPI 14 PEEK	11.8	6.3
SPI 17 PEEK	14.8	6.7
SPI 18 PEEK	16.0	5.3
SPI 21 PEEK	19.0	6.3
SPI 25 PEEK	22.6	10.1
SPI 32 PEEK	29.0	10.3