

Suction Cup Inserts SPI PEEK

Suction area (Ø) from 6 mm to 32 mm



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)



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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

Our Highlights...

- Suction cup inserts made of PEEK
- Structure with defined contact area, flow grooves and vacuum channels
- Smart vacuum distribution on the suction surface

Your Benefits...

- Non-marking and gentle handling of thin, flat workpieces without leaving chemical fingerprints
- Defined and low surface pressure on the workpiece surface
- High leakage compensation for high effective suction forces

Designation Code Suction Cup Inserts SPI PEEK



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.



Schmalz – The Company
Vacuum Suction Cups
Special Grippers
Gripping Systems
Clamping Systems
Mounting Elements
Vacuum Generators
Valve Technology
Switches and Monitoring
Filters and Connections
Services
Contact
Glossary
Index of Products

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Ordering Data Suction Cup Inserts SPI PEEK

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



Technical Data Suction Cup Inserts SPI PEEK

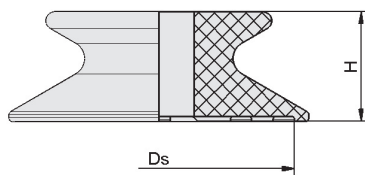
Type*	For suction cup type**
SPI 6	FG 5/FGA 6
SPI 9	FG 9
SPI 11	FGA 11
SPI 14	FG 12/FG 14/FGA 14
SPI 17	FG 18/FGA 16
SPI 18	FGA 20
SPI 21	FG 20/FGA 22
SPI 25	FG 25/FGA 25
SPI 32	FG 32/FGA 33

*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.



Design Data Suction Cup Inserts SPI PEEK



SPI PEEK

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

