

Flat suction cup, round, Material NBR, »PFG« Ø: 30 mm - Riegler 108440

Item no. RGL-108440

Manufacturer Riegler

EAN 4047322203050

Flat suction cup, round, Material NBR, »PFG« Ø: 30 mm

TECHNICAL DATA

Country of Manufacture	India
Diameter [mm]	30
Weight	0.001 kg
Zolltarifnummer	40169997



DESCRIPTION

Flat suction cup, round, Material NBR, »PFG«, Ø:30 suitable connection nipple IT G 1/8, suitable connection nipple ET G 1/8 Robust and hard-wearing suction pad with a single sealing lip. Used wherever objects (parts, packing materials, etc.) need to be lifted, transported, turned over or handled in some other manner. It is also ideal when it is necessary to handle smooth or slightly rough surfaces. Due to its flat shape, it can grip the workpiece in a very short time and withstand the forces that result from fast movement of the object during handling. It acts as the connecting element between the vacuum generator and the workpiece. Properties: Very short evacuation times Suitable for high lateral forces Good intrinsic stability when attached to the load Supports on the bottom Very short cycle times High suction forces with small dimensions Applications: Handling workpieces with smooth or slightly rough surfaces, e.g. metal sheets, cardboard boxes, sheets of glass, plastic parts and sheets of wood.

TECHNICAL DATA

Diameter	30 mm
Suction force	34 N
Suitable connection nipple female	G 1/8
Suitable connection nipple male	G 1/8
Rec. internal hose Ø	4 mm
Height with nipple male	17.0 mm

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Volume
Min. curve radius convex
Height with nipple female

1.300 cm³

40 mm

28.0 mm

STANDARDS AND ORIGIN

- Customs tariff number: 40169997
- Country of origin: IN

ABOUT SUCTION PADS

Suction cups form the contact with the workpiece in a vacuum system and decide how securely it is held. The series runs from 3.5 mm to 50 mm diameter, covering small components as well as cartons and sheet metal blanks.

WHAT MATTERS WHEN CHOOSING

- Diameter comes first. Available sizes are 3.5 / 5 / 8 / 10 / 14 / 15 / 20 / 25 / 30 / 35 / 40 and 50 mm, chosen from the weight and the contact area of the part.
- The shape follows the surface. Bellows cups with folds absorb height differences and curved faces, flat cups hold even parts in a precise position.
- The connection thread has to match the nipple or the bracket. The group covers M3 male, M5 male and female, G 1/8 male and female, and G 1/4 male and female.
- Cup height lies between 2 and 23 mm and has to be allowed for in the stroke of the axis when the gripper sets down on the part.
- Holding force, break-away force and the minimum convex workpiece radius are listed per item and should be checked against the heaviest part to be handled.

TYPICAL APPLICATIONS

- Handling cartons and packaging in packaging machinery
- Picking sheet metal blanks at presses and stamping lines
- Placing and transferring small components in assembly
- Handling films, labels and paper sheets
- Palletising and restacking at the end of the line

The group holds 98 items with diameters from 3.5 to 50 mm. The matching connection nipple with male or female thread and the recommended hose diameter are listed for each cup.

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