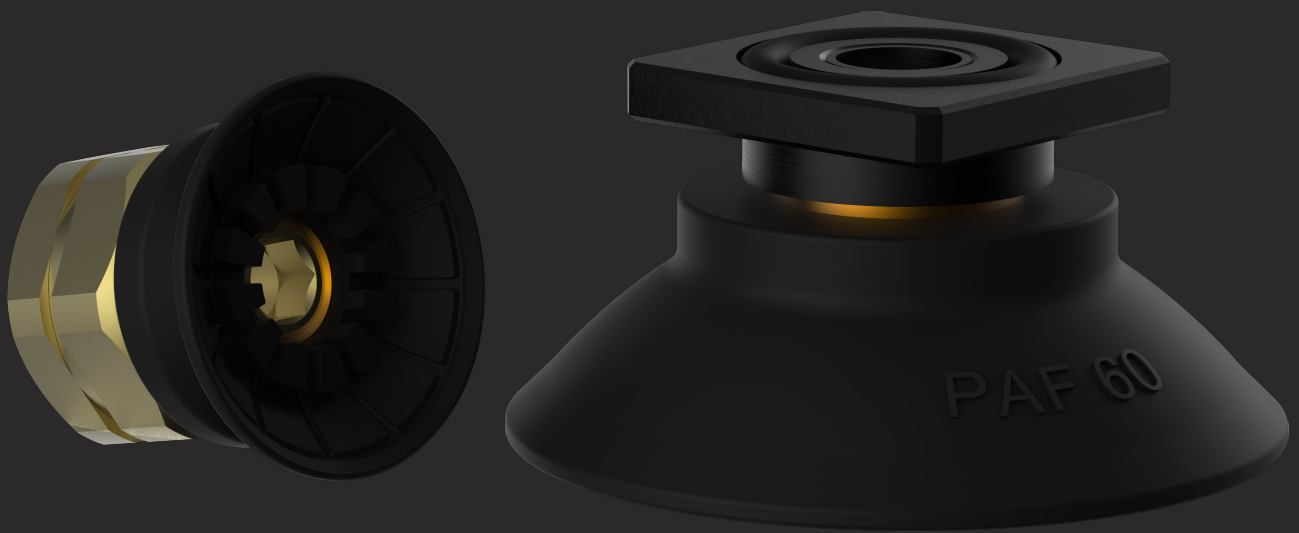


PAF Family

Piab Automotive suction cups





Overview

Piab is introducing a new series of Automotive cups – Addressing applications in Body- and Part assembly as well as in low/medium speed press lines. The new line of cups are supporting industry standard related to dimensions and interfaces, all to simplify deployment and installation. The cups could be a good alternative for applications outside Automotive industry as well.

All cups are made of 60 shore (A), black silicon free Nitril-PVC, a durable straight-forward material giving a cost effective cup. The cups has friction cleats to better withstand shear-forces during operation. All cups has a molded-in Aluminum insert, so you can either attach your own fitting solution or use one of the other fitting options provided by Piab, including also a quick-connect system – T-slot. We have put effort in making the cups actuate at low vacuum levels, meaning you have a good vacuum “reserve” for the lift itself.



Less energy consumption by 76%



Low sound level

PAF – Piab Automotive Flat, (5 cups, sizes 30-80 mm), Good for slightly domed and flat surfaces, e.g., such as those encountered when handling metal sheets in Automotive applications. The suction cups have support cleats that prevent thin objects from being disfigured, can withstand high shear forces. Designed to handle dry as well as oily work pieces.

Friction pattern on hub and lip prevents sheets from slipping. Wide sealing surface for better sealing over dust and debris. Round, bellow suction cup for dynamic handling of flat and uneven/curved metal sheet parts.

The cups are available with all major automotive industry standard fittings as well as a quick-connect system - T-slot (speeding up change and keeping Oval cups in correct position).

Name	Size [mm]	Hight [mm]	Stroke [mm]	Break Away Force [-kpa]	Actuate Level [-kpa]
PAF 80	80	Xxx	7,6	Xxx	
PAF 60	60		6		
PAF 50	50		5		
PAF 40	40		4		
PAF 30	30		3		

Features

1

Material

Made of black Nitril-PVC, 60 shore (A), silicon free. A durable material giving a cost effective good performing cup for automotive applications. Could also be usable for other types of industries.

2

Design

Friction pattern on hub and lip prevents sheets from slipping. Wide sealing surface for better sealing over dust and debris. Round, bellow suction cup for dynamic handling of flat and uneven/curved metal sheet parts.

3

Performance

Low required vacuum level for actuation, gives good vacuum reserve for the lift itself. Good stability and resistance to horizontal forces. Good for level compensation. Handling of thin sheets without deformation or denting objects. For dry as well as oily sheets.



Contact
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