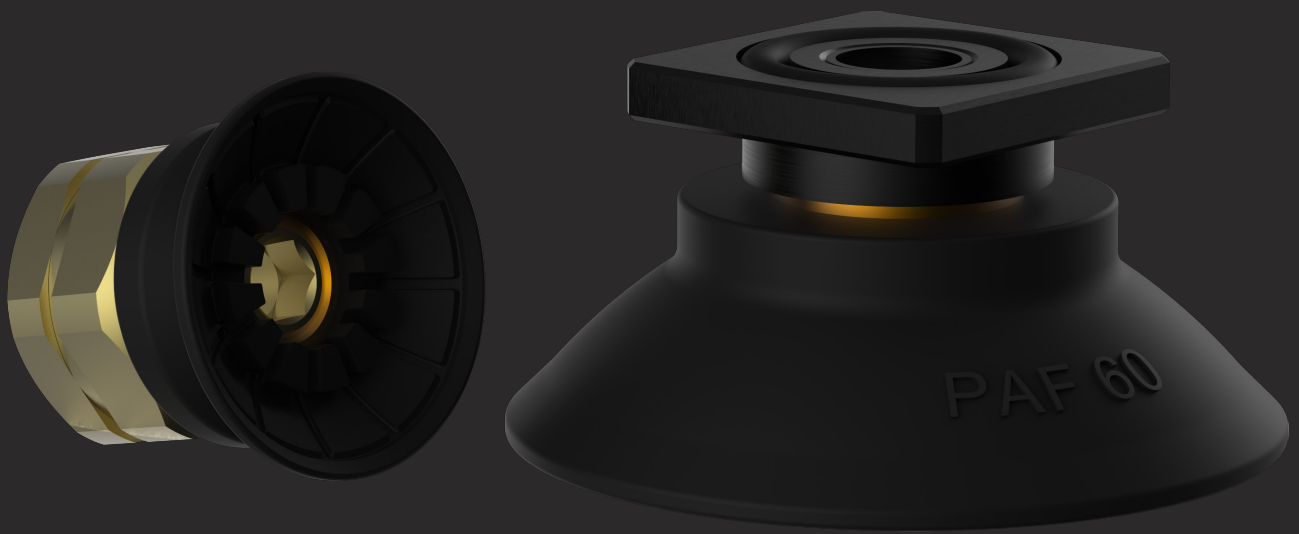


PAF Family

# 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

🔊  
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	Height** mm	Stroke mm	BAF* (N)			Min Curve Radius (mm) on object
				Vertical Dry	Parallell Dry	Parallell oily	
PAF80	80	34,5	7,5	233	223	92	85
PAF60	60	30,5	6	147	137	71	65
PAF50	50	27,5	5	105	119	55	50
PAF40	40	25	4	70	75	35	45
PAF30	30	23	3	45	50	20	35

\* BAF (Break Away Force), measured at 60 -kPa on a flat metal surface. Values could vary depending on application (not including safety factor).

\*\* Height with mounted T-slot

## Features

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

📄 **Contact**  
[www.piab.com](http://www.piab.com)