

SUCTION CUPS

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**Exceptional grip
on oily surfaces**

**Wear will not degrade
the grip performance**

**Pliable cups with
stability and durability**

**Long-lasting
polyurethane material**

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Art. No. 01207286B / PIAB AB, 2009-02
Printed by Elanders AB, Sweden.

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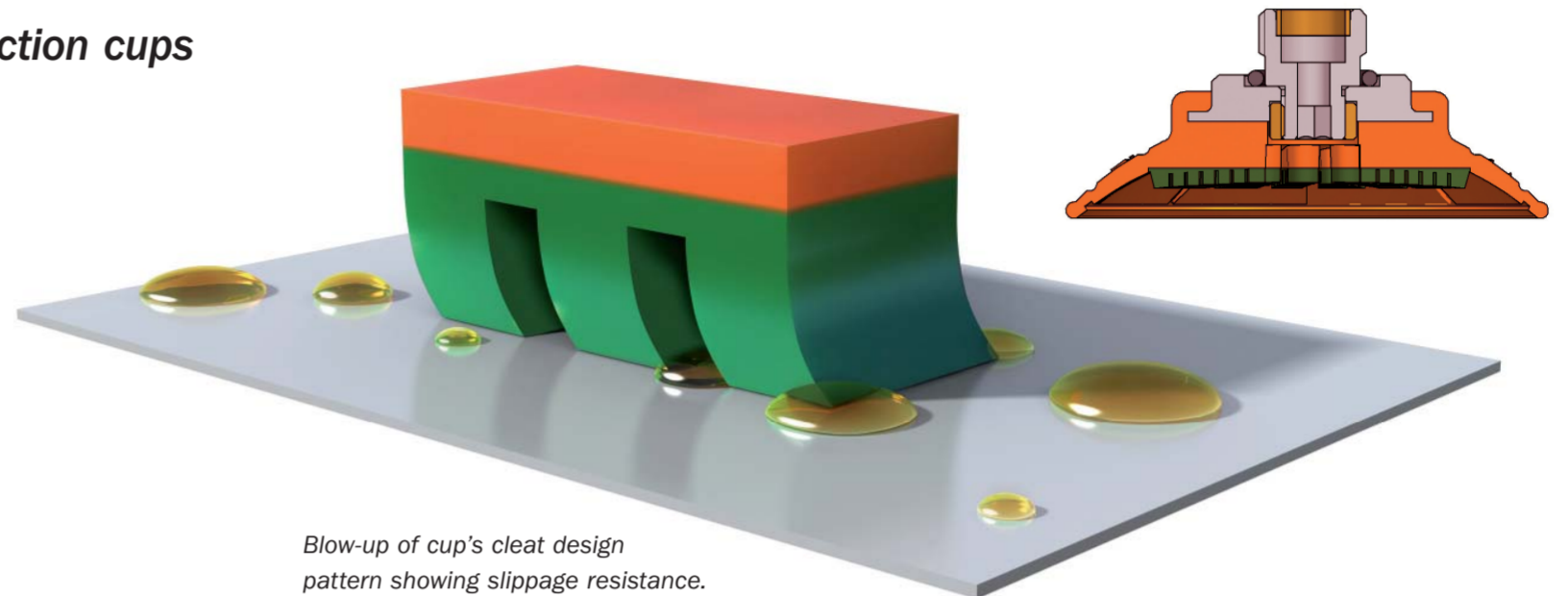
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PIAB DURAFLEX® FRICTION CUPS

Improve productivity with state of the art friction cups for oily surfaces

- ▶ Increase machine speed with extra grip (or use less suction cups per handling station with same friction/shear force).
- ▶ No slippage during an Emergency-stop.
- ▶ Longer intervals between cup changes, the cup maintains performance over time.
- ▶ DURAFLEX® dual hardness design provides a strong grip without damaging thin sheets.

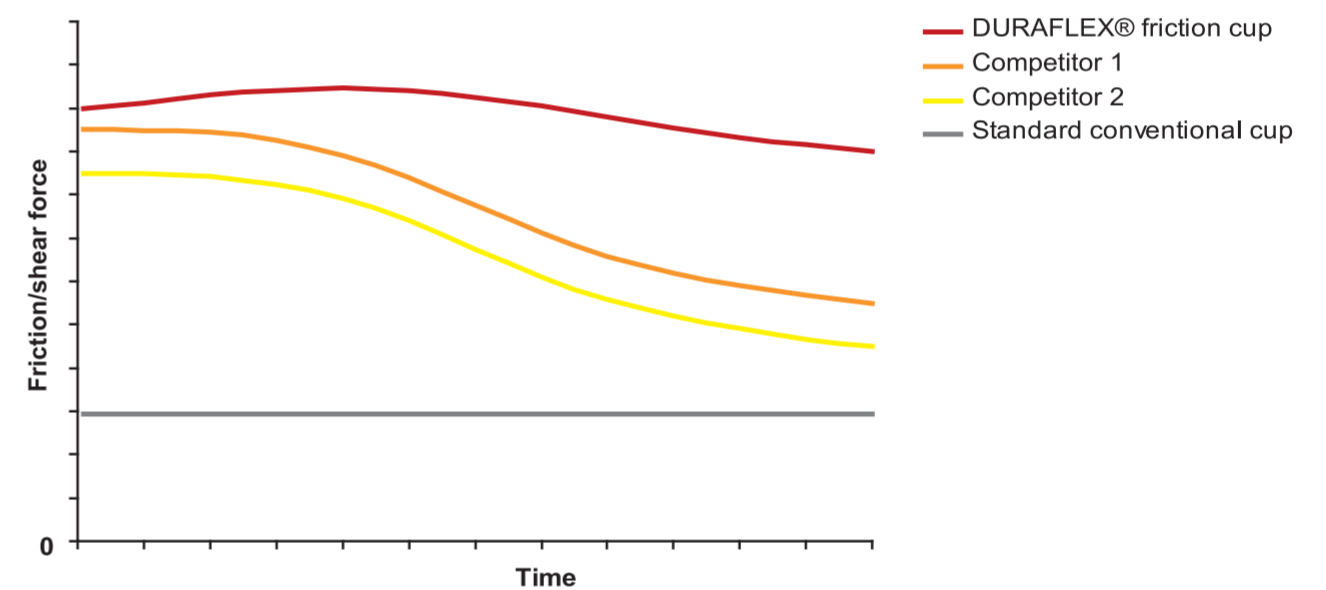


Lifting forces and measurements

Model	Friction/shear forces parallel to the surface, N, at vacuum level		General dimensions in mm	
	60 -kPa	90 -kPa	X	Y
BFF40P	35	45	45	22
Bff60P	76	93	61	26
BFF80P	110	160	85	37
BFF110P	235	256	115	53
FCF35P	26	32	35	19
FCF50P	52	70	50	24
FCF75P	104	139	75	22
FCF100P	139	205	100	26
FCF125P	194	236	126	32
OBF35x90P	105	151	50x105	29
OBF50x140P	271	347	67x157	37
OBF65x170P	538	665	82x187	44

Values valid for steel sheet with surface finish Ra 1 and press oil content of 2-3 g/m².

Suction cup friction/shear force on oily sheet metal surfaces



BFF-P	BFF40P	BFF60P	BFF80P	BFF110P																																																
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