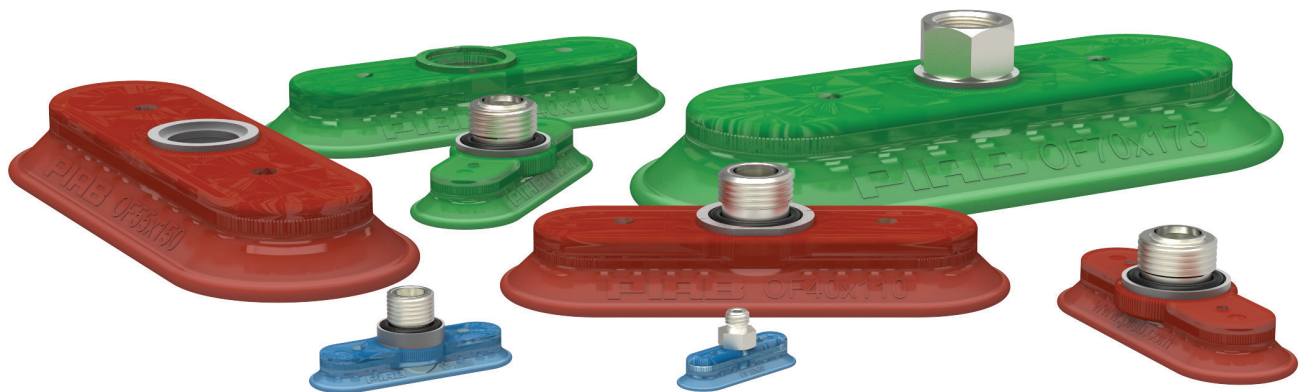


Oval Flat family (OF)



Oval suction cups are specially suitable for long and narrow objects. This program of oval suction cups has characteristics that are specially suited for handling of metal-sheet material.

LIFTING FORCES






	Lifting force vertical to the surface, N, at vacuum level			Lifting force parallel to the surface, N, at vacuum level		
	20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa
OF10x30P	4	11	17	6	12	17
OF15x45P	9	27	41	6	20	34
OF25x70P (PU40°)	24	66	107	46	90	105
OF25x70P (PU60°)	24	77	118	42	127	161
OF40x110P (PU40°)	69	203	293	120	230	296
OF40x110P (PU60°)	74	200	303	98	228	410
OF55x150P (PU40°)	131	366	527	155	350	455
OF55x150P (PU60°)	134	376	558	128	338	477
OF70x175P (PU40°)	190	530	785	170	440	630
OF70x175P (PU60°)	180	570	860	200	555	750

GENERAL SPECIFICATIONS

	Outer diameter, mm	Height, mm	Min. curve radius, mm	Max. vertical movement, mm	Volume, cm ³
OF10x30P	30.8×10.8	14.6	15	1	0.5
OF15x45P	45×15	17.15	30	1	1
OF25x70P	72.3×27.3	23	50	1.9	6
OF40x110P	113×43	17.5	77	3.1	21
OF55x150P	154×59	21	150	3	37
OF70x175P	180×75	25	130	5.7	80

AVAILABLE MATERIALS AND INDUSTRIES

An explanation of the industry icons is available on the cover fold out.

Cup	Material						MSF
OF10x30P	PU50°	●	●	●	●	●	●
OF15x45P	PU50°	●	●	●	●	●	●
OF25x70P	PU40°	●	●	●	●	●	●
OF25x70P	PU60°	●	●	●	●	●	●
OF40x110P	PU40°	●	●	●	●	●	●
OF40x110P	PU60°	●	●	●	●	●	●
OF55x150P	PU40°	●	●	●	●	●	●
OF55x150P	PU60°	●	●	●	●	●	●
OF70x175P	PU40°	●	●	●	●	●	●
OF70x175P	PU60°	●	●	●	●	●	●

MATERIAL RESISTANCE

For more material information go to page 23.

APPLICATIONS

Table shows typical applications for the suction cup. For more detailed information, please visit piab.com.

	Dry sheet metal	Corrugated / cardboard	Mark Free	Plastic injection molded parts
OF10x30P			●	
OF15x45P			●	
OF25x70P	●	●	●	●
OF40x110P	●	●	●	●
OF55x150P	●	●	●	●
OF70x175P	●	●	●	●

FITTINGS

For a table of possible fittings to use go to pages 198–200, for technical information on all fittings visit piab.com.

ORDERING INFORMATION

Description	Item no.
Suction cup OF10x30P Polyurethane 50, M5 male	0110084
Suction cup OF15x45P Polyurethane 50, G1/8" male	0115285
Suction cup OF25x70P Polyurethane 40, G3/8" male	0115304
Suction cup OF40x110P Polyurethane 40	0109907
Suction cup OF40x110P Polyurethane 40, 3/8" NPSF female	0109851
Suction cup OF40x110P Polyurethane 40, thread insert G3/8" male, with mesh filter	0109850
Suction cup OF40x110P Polyurethane 60	0109906
Suction cup OF40x110P Polyurethane 60, 3/8" NPSF female	0108265
Suction cup OF40x110P Polyurethane 60, thread insert G3/8" male, with mesh filter	0108263
Suction cup OF55x150P Polyurethane 40	0109909
Suction cup OF55x150P Polyurethane 40, 3/8" NPSF female	0109853

Description	Item no.
Suction cup OF55x150P Polyurethane 40, thread insert G3/8" male, with mesh filter	0109852
Suction cup OF55x150P Polyurethane 60	0109908
Suction cup OF55x150P Polyurethane 60, 3/8" NPSF female	0108036
Suction cup OF55x150P Polyurethane 60, thread insert G3/8" male, with mesh filter	0108030
Suction cup OF70x175P Polyurethane 40	0109911
Suction cup OF70x175P Polyurethane 40, 3/8" NPSF female	0109855
Suction cup OF70x175P Polyurethane 40, thread insert G3/8" male, with mesh filter	0109854
Suction cup OF70x175P Polyurethane 60	0109910
Suction cup OF70x175P Polyurethane 60, 3/8" NPSF female	0108264
Suction cup OF70x175P Polyurethane 60, thread insert G3/8" male, with mesh filter	0108671