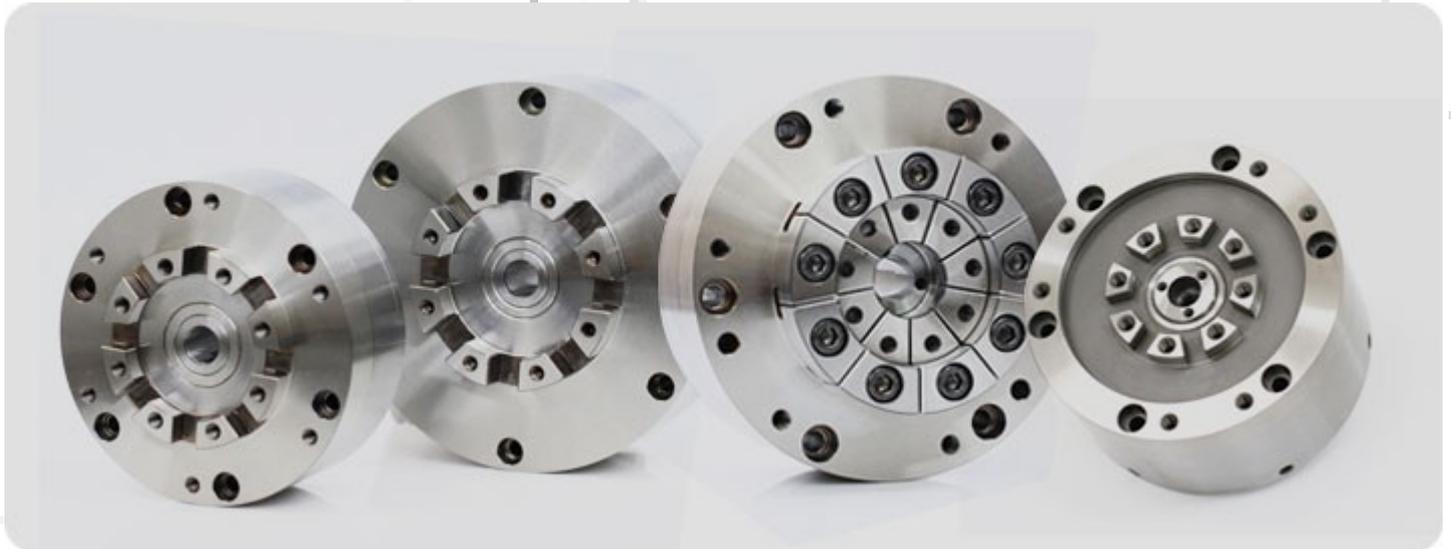




PML-PAL Catalog of Products



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Henri Azaria P.A.L. provides R&D manufacturing solutions, custom-made parts and design services. Services include comprehensive technical support services, from assistance and consultation prior to purchase to ongoing training and repair services. Highly adaptable, the company prides itself on short production times and produces both large and small quantities including single parts. The finished products are thermally treated and coated or painted according to client specifications. The company is licensed by the Israeli Standard Institute and endorsed by Israeli high-tech industries.

PML-PAL
Precision Air Chucks



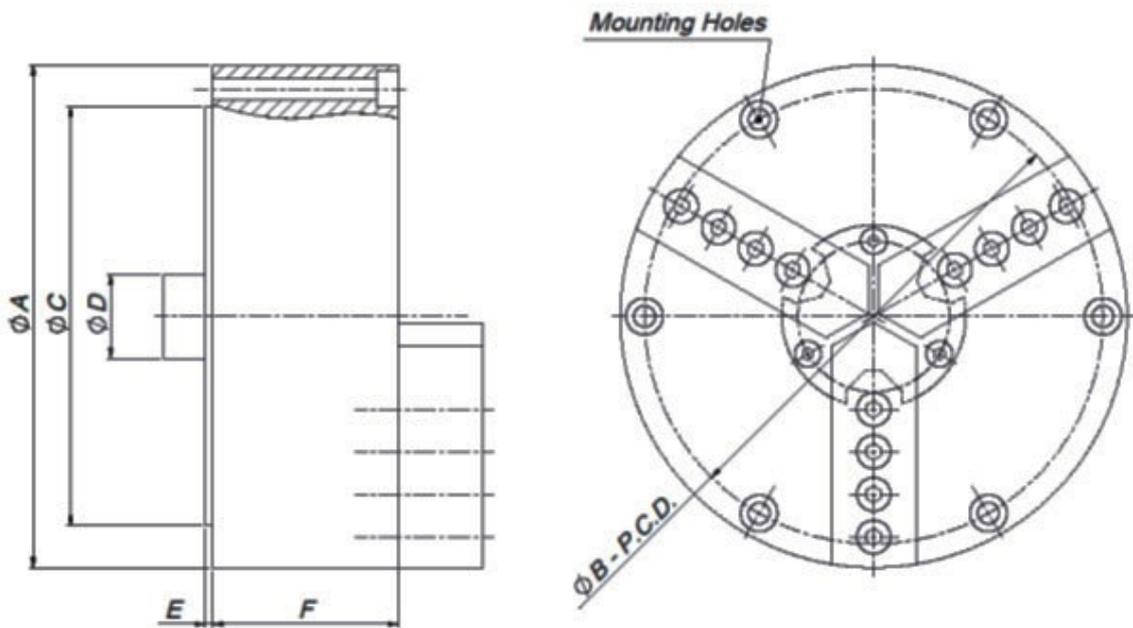


Model 150-3-2.5 BC

High Precision Turning Air Chuck

Turning air chucks are designed to be mounted on any CNC turning and conventional machine. Air pressure is monitored and set up for type of material including fragile and thin walled work piece. Repeatability is 0.002MM. Maximum speed is up to 5000 rpm. Chuck size ranges from 50MM to 350MM. Other sizes are available upon request. Air is supplied through the back center of the chuck via air feed tube (AFT).

Model	Mechanical parameters in MM						Technical parameters			
	Main Body						Jaws			
	A	B P.C.D.	C	D	E	F	No. of Jaws	Stroke On Diameter (MM)	Max. R.P.M. (r/min)	Total Gripping Force (kgf) - 6 Bar
64-3-2 BC&NBC	63.5	52	50	21	2	42	2,3	2	3500	83
82-3-2 BC&NBC	82	70	60	21	2	50	2,3	2	3000	184
83-3-2.5 BC&NBC	83	70	60	21	2	55	2,3	2.5	3500	263
100-3-2.5 BC&NBC	100	88.9	82.6	21	2	56	2,3,4	2.5	3500	485
115-3-3 NBC-K	115	104	93.5	25	2	55	3	3	4000	780
125-3-2.5 BC&NBC	125	114.3	102	21	2	55	2,3,4	2.5	4000	970
150-3-2.5 BC&NBC	150	135.8	125	21	2	55	2,3,4*	2.5	4000	1240,1500*
150-3-2.5 BC&NBC-S	150	135.8	125	21	2	60	2,3	2.5	4500	1770
200-3-2.5 BC&NBC	203	183	168	21	7	81	2,3	2.5	2000	2800
250-3-2.5 BC&NBC	254	233.7	215.8	21	7	73.5	2,3	2.5	2000	3150





Model 107-3-2.5 BCG

High Precision Grinding Air Chuck

Grinding chucks are hermetically sealed, designed to operate on CNC grinding machines and conventional as well. The design prevents penetration of any swarf or metal dust into the chuck, minimizing maintenance or stoppage time. Other applications are machining abrasive materials such as powdered metal, carbide, and ceramics. Repeatability is 0.002MM. Chuck size range from 87MM to 265MM. Larger chucks are available upon request.

Model	Mechanical parameters in MM						Technical parameters			
	Main Body						Jaws			
	A	B P.C.D.	C	D	E	F	No. of Jaws	Stroke On Diameter (MM)	Max. R.P.M. (r/ min)	Total Gripping Force (kgf) - 6 Bar
87-3-2.5 BCG	87	70	60	21	2	53	2,3	2.5	3000	260
107-3-2.5 BCG	107	88.9	82.6	21	2	56	2,3	2.5	4000	490
135-3-2.5 BCG	135	101.6	114	21	2	60	2,3	2.5	4000	950
157-3-2.5 BCG	157	135.75	125	21	2	56	2,3	2.5	3500	1055
214-3-2.5 BCG	214	183	168	21	7	81	3	2.5	2000	2800
265-3-2.5 BCG	365	233.7	216	21	7	74	3	2.5	2000	3150

