

Pull Back Pin Arbor Chuck

Outside dia. clamping

OPA Pin-Arbor Power Chuck®

"Strong Clamping" "High Precision" "Pull Back" "Dust Protection" "Design Specification"



Jaw-piece type



Special specification

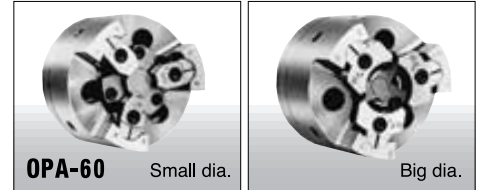
- The material of the body is Ductile Cast Iron considering anti-abrasion and anti-worn out.

"PULL BACK" System

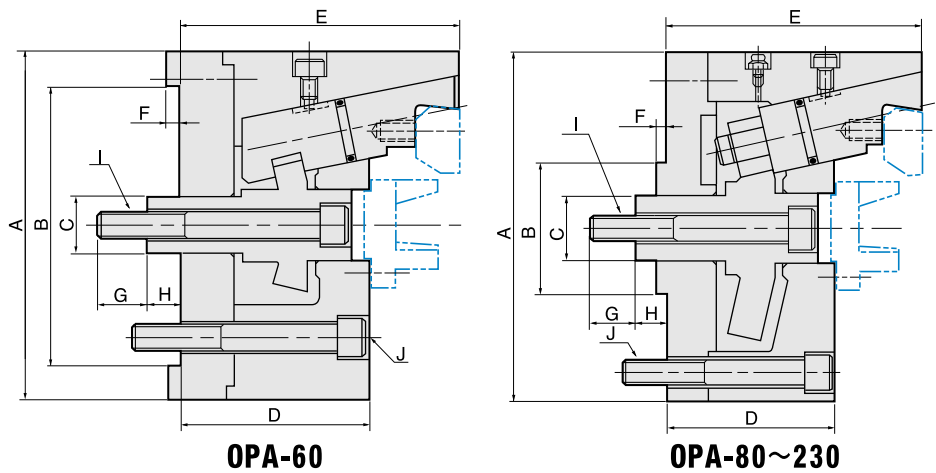
The OPA Pin-Arbor Power Chuck is O.D. clamping chuck which is suitable for the work-pieces requiring high accuracy (repeatability 0.01 T.I.R.) in squareness and parallelism and also strong clamping force for clamping in secondary operations. Also, it is very easy to exchange chucking pins which allows the OPA chucks to perform at their full potential for clamping a wide variety of work-pieces.

● A broad range of selection

Taking advantage of excellent features of OPA Pin-Arbor type power chuck, a wide selection is available.



Dimension diagram



Dimensions

Model No.	A	B ^{h7}	C	D	E	F	G	H ^{max}	H ^{min}	I	J
OPA-60	110	85 ^{H6}	18	58	77	5	15	18	12	M10 P1.5	3M10 P.C.D. 70.6
OPA-80	130	60	24	72	103	5	20	18	10	M12 P1.75	3M 8 P.C.D.100
OPA-100	162	80	30	90	130	7	30	22.5	12.5	M16 P17.5	3M12 P.C.D.130
OPA-140	210	80	40	100	155	7	30	25	15	M16 P2	3M16 P.C.D.170
OPA-180	250	80	45	110	165	7	30	25	15	M18 P2.5	3M16 P.C.D.210
OPA-230	320	120	50	130	200	7	40	30	20	M20 P2.5	3M16 P.C.D.270

Standard specifications

- OPA bodies are used with the ductile cast iron for considering the strength and resistance.

Model No.	Max. clamping force kN (kgf)	Max. pull force kN (kgf)	Max rotation min ⁻¹	Jaw stroke (Dia.) mm	Standard clamping range mm	Chuck weight kg	Body GD ² N·m ² (kgf·m ²)
OPA-60	17.6 (1800)	9.8 (1000)	5500	2.5	10~60	5	0.29 (0.03)
OPA-80	22.1 (2250)	11.8 (1200)	5000	3.4	15~80	8	0.66 (0.067)
OPA-100	36.8 (3760)	19.6 (2000)	4500	4.2	20~100	16	1.96 (0.2)
OPA-140	46.1 (4700)	24.5 (2500)	3000	4.2	60~140	27	5.29 (0.54)
OPA-180	55.3 (5640)	29.4 (3000)	2000	4.2	100~180	46	14.01 (1.43)
OPA-230	73.7 (7520)	39.2 (4000)	2000	4.2	120~230	70	34.3 (3.5)

* The dimensions in this table are subject to change without notice.

Above standard clamping ranges are from the direct clamping range by chucking pins to the clamping by jawpieces (top jaws).

Practical examples

Eccentric type, Double clamp type, Large Diameter through hole type, Air sensing type are available.

<p>OPA gradient-type</p> <p>Part for Air conditioner (Swash plate)</p>	<p>OPA High Speed type</p> <p>Component parts for Common-rail</p>	<p>OPA Eccentric type</p> <p>Crank shaft</p>	<p>[Special] Multiple pin type</p> <p>Part for Air conditioner</p>	<p>Double pin arbor type</p> <p>Part for Air conditioner (Scroll)</p>
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