



CHUCK

High Precision Air Chuck

KPC series



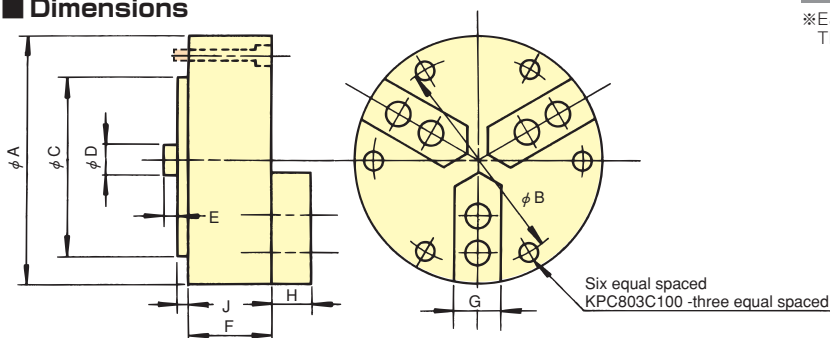
High Repeatability

Optimum KPC chuck for finishing and precision processes

- Built-in Pneumatic Cylinder

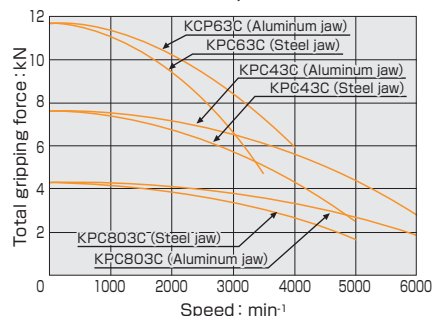
Standard Chuck

Dimensions



Gripping Characteristic Graphs

*Each curve shows air pressure 0.7MPa.
This is a case that standard soft jaws are used.



Dimensions

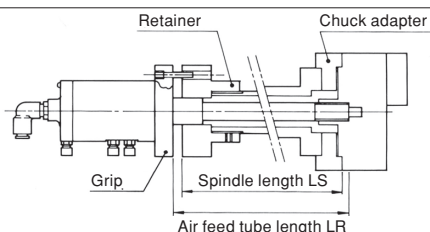
Model	A	B	C (h6)	D	E max.	E min.	F	G	H	J	Jaw Mounting bolts	Mounting bolts
KPC803C100	80	70	60	20.6	17	9.9	55	20	19	2	3-M5×16	3-M5×60
KPC43C048	100	88.9	82.55	20.6	18.8	15.3	50.5	20	19	2	3×2-M5×16	6-M5×55
KPC43C100	100	88.9	82.55	20.6	18	10.8	55	20	19	2	3×2-M5×16	6-M5×60
KPC63C100	150	135.8	124.97	20.6	17.6	10.4	56	25	19	2	3×4-M5×16	6-M6×65

Specifications

*Gripping dia./gripping range is with standard soft jaws.

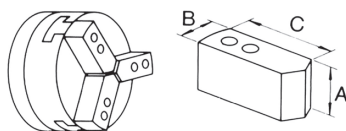
Model	Repeatability mm	Number of Jaws	Jaw Stroke (diameter) mm	Gripping range		Max. Gripping Force kN (Air pressure 0.7MPa)	Max. Speed (with std. Aluminum jaw) min⁻¹	Net Weight with Soft top jaws kg	Moment of inertia kg·m²
				external φ	Internal φ				
KPC803C100P	0.0025	3	2.5	3~70	6~79	4.3	6000	1.8	0.0015
KPC803C100EP	0.0013								
KPC803C100EP1	0.0010								
KPC43C048P	0.0025	3	1.2	4~87	6~99	7.6	6000	2.1	0.005
KPC43C048EP	0.0013								
KPC43C048EP1	0.0010								
KPC43C100P	0.0025	3	2.5	3~87	6~99	7.6	6000	2.1	0.005
KPC43C100EP	0.0013								
KPC43C100EP1	0.0010								
KPC63C100P	0.0025	3	2.5	3~135	6~149	11.6	4000	6.3	0.024
KPC63C100EP	0.0013								
KPC63C100EP1	0.0010								

Ordering length of air feed tube (option)

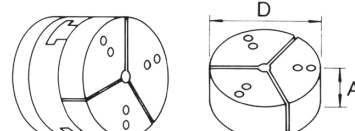


When ordering the air feed tube (coolant or non-coolant type), specify the spindle length LS as shown in the illustration. Air feed tube length LR is determined by LS. E.G. LR = LS + 17
In case of KPC43C048: LR = LS + 12
Chuck Adaptor and Retainer are options

Standard type jaw



Pie type jaw



Standard type jaw Dimensions

Chuck	Jaw model	Material	Dimensions mm		
			A	B	C
KPC80 TYPE	KJ1A3-7	A l	19	20	38.4
	KJ1A3-15	A l	38	20	38.4
	KJ1A3-1	A l	25	20	38.4
	KJ1S3-7	S45C	19	20	38.4
	KJ1S3-15	S45C	38	20	38.4
	KJ1S3-1	S45C	25	20	38.4
KPC4 TYPE	KJ1A4-1	A l	25	20	48.4
	KJ1A4-2	A l	51	20	48.4
	KJ1A4-7	A l	19	20	48.4
	KJ1A4-15	A l	38	20	48.4
	KJ1S4-1	S45C	25	20	48.4
	KJ1S4-2	S45C	51	20	48.4
KPC6 TYPE	KJ1A6-1	A l	25	25	73.4
	KJ1A6-7	A l	19	25	73.4
	KJ1S6-1	S45C	25	25	73.4
KPC6 TYPE	KJ1A6-15	A l	38	25	73.4
	KJ1S6-7	S45C	19	25	73.4
	KJ1S6-15	S45C	38	25	73.4

Pie type jaw Dimensions

Chuck	Jaw model	Material	Dimensions mm	
			A	D
KPC80 TYPE	KJ3A3-1	A l	25	80
	KJ3A3-15	A l	38	80
	KJ3S3-1	S45C	25	80
	KJ3S3-7	S45C	19	80
	KJ3S3-15	S45C	38	80
KPC4 TYPE	KJ3A4-1	A l	25	100
	KJ3A4-2	A l	51	100
	KJ3A4-7	A l	19	100
	KJ3A4-15	A l	38	100
	KJ3S4-1	S45C	25	100
	KJ3S4-2	S45C	51	100
KPC6 TYPE	KJ3S4-7	S45C	19	100
	KJ3S4-15	S45C	38	100
	KJ3A6-1	A l	25	150
	KJ3A6-15	A l	38	150
KPC6 TYPE	KJ3S6-1	S45C	25	150
	KJ3S6-7	S45C	19	150
	KJ3S6-15	S45C	38	150