



CHUCK

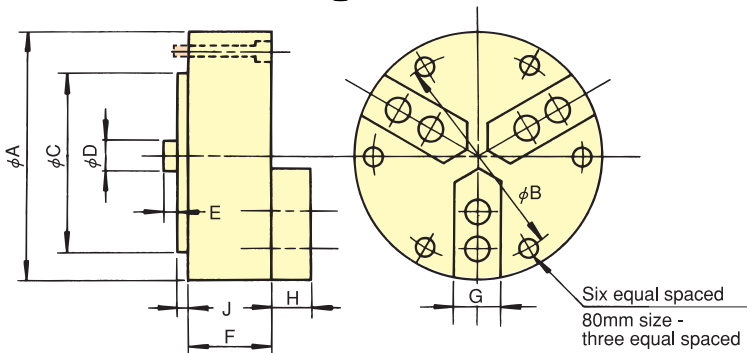
3-Jaw Ultra High Precision Air Chuck KPC series

High Repeatability

Optimum KPC chuck for finishing and precision processes

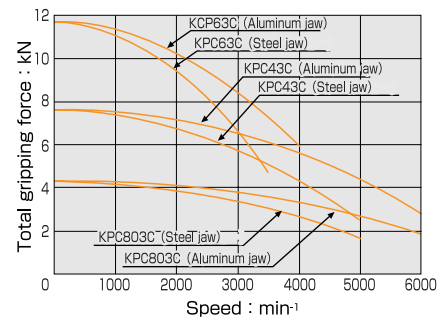
● Built-in Pneumatic Cylinder

Dimensional Drawings



Gripping Characteristic Graphs

*Each curve shows air pressure 0.7MPa (7.1 kgf/cm²). This is a case that standard soft jaws are used.



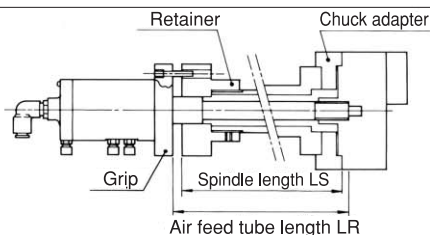
Dimensions

Dimensions model	A	B	C (h6)	D	E max.	E min.	F	G	H	J	Jaw Mounting bolts	Mounting bolts	Weight (with soft jaw) kg
KPC803C100	80	70	60	20.6	17	9.9	55	20	19	2	3×1-M5×16	3-M5×60	1.8
KPC43C048	100	88.9	82.55	20.6	18.8	15.3	50.5	20	19	2	3×2-M5×16	6-M5×55	2.1
KPC43C100	100	88.9	82.55	20.6	18	10.8	55	20	19	2	3×2-M5×16	6-M5×60	2.1
KPC63C100	150	135.8	124.97	20.6	17.6	10.4	56	25	19	2	3×4-M5×16	6-M6×65	6.3

Specifications

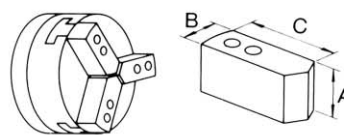
Specifications model	Repeatability mm	Number of Jaws	Jaw stroke (diameter) mm	Range		Max. Gripping Force kN (kgf) <Air pressure 0.7MPa>	Max. speed (with std. Aluminum jaw) min ⁻¹ (r.p.m)
				Outer gripping mm	Inner gripping mm		
KPC803C100P	0.0025	3	2.5	3~70	6~79	4.3 (438)	6000
KPC803C100EP	0.0013						
KPC803C100EP1	0.0010						
KPC43C048P	0.0025	3	1.2	3.5~87	6~99	7.6 (775)	6000
KPC43C048EP	0.0013						
KPC43C048EP1	0.0010						
KPC43C100P	0.0025	3	2.5	3~87	6~99	7.6 (775)	6000
KPC43C100EP	0.0013						
KPC43C100EP1	0.0010						
KPC63C100P	0.0025	3	2.5	3~135	6~149	11.6 (1183)	4000
KPC63C100EP	0.0013						
KPC63C100EP1	0.0010						

Ordering length of air feed tube (option)

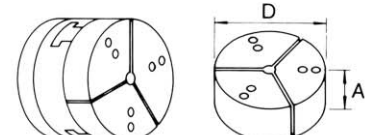


When ordering the air feed tube (coolant or non-coolant type), specify the spindle length LS as shown in the illustration. Air feed tube length LR is determined by LS world market of KPC type air chucks. Refer to the following table.

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
	KJ1A4-1	A l	25	20	48.4
KPC4 TYPE	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
	KJ1S4-7	S45C	19	20	48.4
	KJ1S4-15	S45C	38	20	48.4

Pie type jaw Dimensions

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