



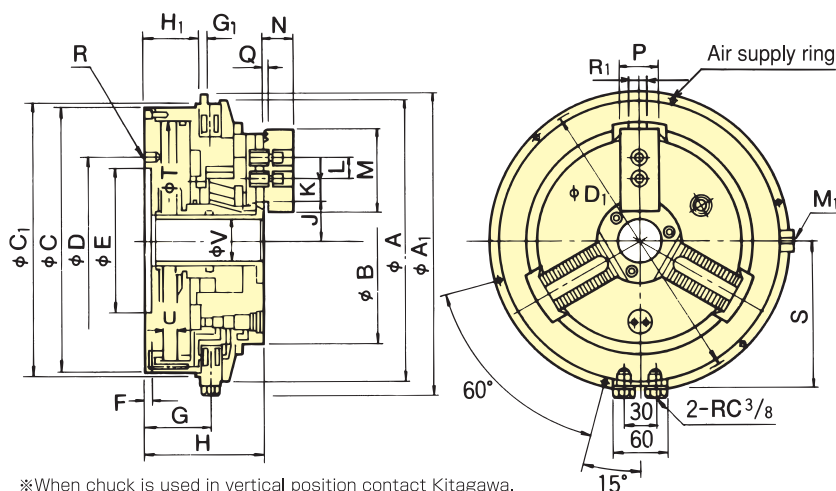
CHUCK

3-Jaw Air-Operated Self Contained Chuck UVE-K series

Built-in Pneumatic Cylinder



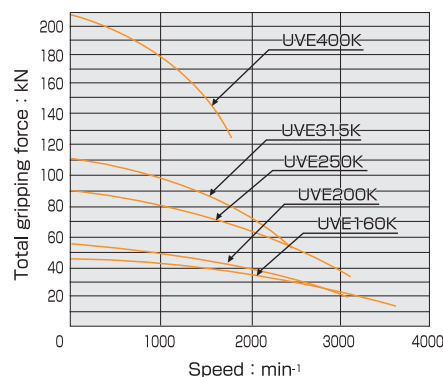
Dimensional Drawings



※When chuck is used in vertical position contact Kitagawa.

Gripping Characteristic Graphs

※Each curve shows air pressure 0.6MPa (6.1kgf/cm²). This is a case that standard soft jaws are used.



Dimensions

Mode	A	B	C	D	E (H7)	F	G	H	J max.	J min.	K max.	K min.	L	M	N	P	Q	R	S	T	U	V	A ₁	C ₁ (h6)	D ₁	G ₁	H ₁ ±0.1	M ₁	R ₁
UVE160K	250	170	230	180	160	6.5	83	137	33.5	29.3	19.25	10.25	25	76.5	38.5	40	2.25	6-M10	138	205	24	38	273	240	260	6	71	M10	14
UVE200K	280	200	260	210	185	8	82.5	141	43	38.8	20.25	11.25	30	110	43	40	2.25	6-M10	150	230	24	50	302	275	288	6	69	M10	16
UVE250K	330	250	310	260	235	8	87.5	151	47.5	42.6	39.75	12.75	30	110	43	40	2.25	6-M10	175	280	28	60	350	320	336	6	74	M12	16
UVE315K	385	315	365	315	290	8	90.5	155	64	59.1	46.25	14.75	38	129	51	50	2.25	6-M10	206	335	28	92	410	380	395	8	77	M12	18
UVE400K	495	400	475	340	300	8	118	200	86	79	37.5	16.5	60	156	71	62	3.3	6-M16	257	440	40	120	518	485	505	8	104	M16	22

Specifications

Mode	Thru-Hole mm	Gripping range mm		Jaw Stroke (diameter) mm	Plunger Stroke mm	Max. Gripping Force (at air pressure 0.6MPa (6.1kgf/cm ²)) kN (kgf)	Max. Speed min ⁻¹	Net Weight kg	Moment of inertia kg·m ²	Matching Soft top jaw	Max. pressure MPa	Air consumption per 10mm (at air pressure 6.1kgf/cm ²)	Serration pitch
UVE160K	38	170	18	8.4	24	45 (4588)	3600 (3500)	29.5	0.25	SB06C1	0.6 (6.1)	2.375	1.5
UVE200K	50	200	18	8.4	24	54 (5506)	3200 (2800)	38.5	0.35	SB10B1	0.6 (6.1)	2.990	1.5
UVE250K	60	250	18	9.8	28	90 (9177)	3000 (2200)	61	0.725	SB10B1	0.6 (6.1)	4.432	1.5
UVE315K	92	315	48	9.8	28	111 (11318)	2500 (1800)	81	1.45	SB12C1	0.6 (6.1)	6.343	1.5
UVE400K	120	400	90	14	40	210 (21413)	1800 (1200)	145	4.375	SB15A2	0.6 (6.1)	10.943	3

※Maximum speed is shown with each value under air pressure of 0.6MPa, using standard soft jaw and fixed air supply ring. If the supply ring is not fixed, each value in () is applied.

※Gripping force of a jaw is one third of max. gripping force.

※Standard accessories : Soft jaw, air pressure gauge, tools of a set.

Hard Jaw (Option accessories)

Model	Gripping range mm	Hard jaw
UVE160K	φ12~φ170	HBO6U1
UVE200K	φ14~φ180	HBO8U1
UVE250K	φ21~φ225	HBO8U1
UVE315K	φ36~φ310	HB12U1
UVE400K	φ80~φ400	HB16U2

※Hard jaw for UVE200K & 250K is same.

※Hard jaw for UVE500K size or more is manufactured under prearrangement.

Recommended air circuit diagram

