

Characteristics

AC-K series can effectively absorb the vibration and noise generated from high speed motion and can turn the kinetic energy into thermal energy and release it into the air. Therefore, in each action, it can stop the object stably and effectively. In the past, many companies have used PU plastic and spring for the buffering to save the cost. However, the result is usually bad, noise is still there, efficiency cannot be enhanced, and the equipment decay in early stage. When CJAC shock absorber is selected, disadvantage caused by bad shock absorber can be effectively solved, consequently, the machine efficiency can be enhanced, the production capacity can be increased, and the usage lifetime of the machine can be lengthened. AC-K and ACD are all appropriate for high speed impact sites, the ends of long stroke moving device, and most of them are used for robot arms.

- Material — Outer tube: AISI 1215, STKM11A blackening oxidation treatment to enhance the rust-prevention capability.
Piston rod: Hardened chromium-plating treatment and special sealing part to lengthen its lifetime.
Piston: Highly wearing-resistant material is adopted to guarantee long and stable buffering effect.
- Speed range — 1.0 ~ 6.8 m/s
- Temperature range — -10 ~ +80°C
- Installation method — CJAC has provided several installation methods such as NUT and positioning stop nut (SC). Besides, customized can be made based on your need.
- Special need — CJAC can make customized spec according to your usage situation.

Model number	Stroke (mm)	Max. Nm Per Cycle (Et)	Max. Nm Per Hour (Etc)	Max. effective Mass (Me) Kg	Max. impact speed (v)m/s	Without impact head	With impact head	Flange (F)	Stop collar (SC)	Operating temperature (°C)	Weight (g)
AC1415-6K	15	9.8	35,280	30	1.0	—	o	—	o	-10~+80	80
AC1415-7K	15	9.8	35,280	15	1.5	—	o	—	o	-10~+80	80
AC2020-2K	20	36	22,000	27	2.0	—	o	—	o	-10~+80	170
AC2025-2K	25	40	24,200	35	2.0	—	o	—	o	-10~+80	180
AC2030-5K	30	44	26,460	60	1.2	—	o	—	o	-10~+80	185
AC2030-6K	30	44	26,460	30	1.7	—	o	—	o	-10~+80	185
AC2030-7K	30	44	26,460	15	2.4	—	o	—	o	-10~+80	185
AC2030-8K	30	44	26,460	8	2.8	—	o	—	o	-10~+80	185
AC2030-16K	30	44	26,460	5	4.2	—	o	—	o	-10~+80	205
AC2030-18K	30	44	26,460	3	6.0	—	o	—	o	-10~+80	205
AC2050-10K	50	59	35,280	30	2.0	—	o	—	o	-10~+80	250
AC2050-11K	50	59	35,280	30	2.0	—	o	—	o	-10~+80	250
AC2050-12K	50	59	35,280	15	2.8	—	o	—	o	-10~+80	250
AC2050-13K	50	59	35,280	8	3.8	—	o	—	o	-10~+80	250
AC2050-16K	50	59	35,280	5	5.0	—	o	—	o	-10~+80	250
AC2050-17K	50	59	35,280	3	6.8	—	o	—	o	-10~+80	250
AC2050D-13SK	50	59	35,280	8	3.8	—	o	—	o	-10~+80	275
AC2050D-14K	50	59	35,280	8	3.8	—	o	—	o	-10~+80	275
AC2065-2K	65	65	38,300	32	2.5	—	o	—	o	-10~+80	275
AC2065-2KW	65	65	38,300	28	3.0	—	o	—	o	-10~+80	275



Figure 1

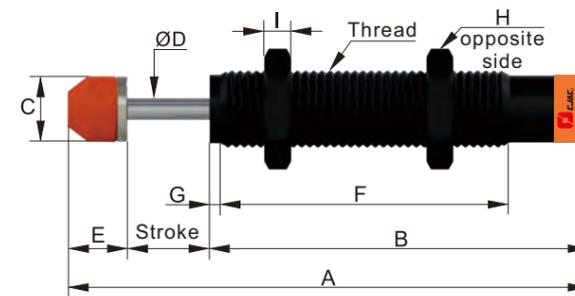
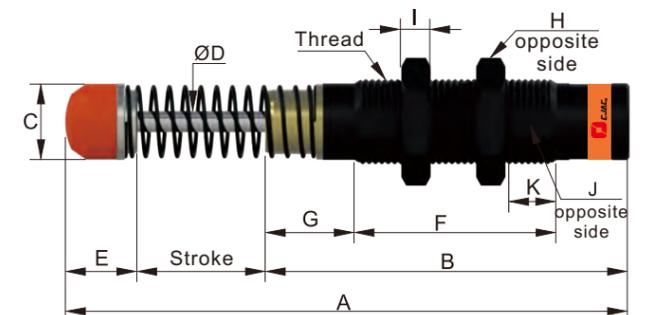


Figure 2



AC-K series

Form parameters

Model number	Thread	Stroke (mm)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	Figure
AC1415-6K	M14x1.5	15	95.6	69.4	12	4	11.2	52.7	2	19	5	—	—	1
AC1415-7K	M14x1.0 M14x1.5	15	95.6	69.4	12	4	11.2	52.7	2	19	5	—	—	1
AC2020-2K	M20x1.5	20	128.8	93	17.8	5	15.8	74.5	3.8	26	7	—	—	1
AC2025-2K	M20x1.5	25	140.4	100	17.8	5	15.8	81	2.8	26	7	—	—	1
AC2030-5K	M20x1.5	30	133.7	86	17.8	5	17.7	48	21	26	7	18.2	10	2
AC2030-6K	M20x1.5	30	133.7	86	17.8	5	17.7	48	21	26	7	18.2	10	2
AC2030-7K	M20x1.5	30	133.7	86	17.8	5	17.7	48	21	26	7	18.2	10	2
AC2030-8K	M20x1.5	30	133.7	86	17.8	5	17.7	48	21	26	7	18.2	10	2
AC2030-16K	M20x1.5	30	146.5	97.8	17.8	5	18	48	32.8	26	7	18.2	10	2
AC2030-18K	M20x1.5	30	146.5	97.8	17.8	5	18	48	32.8	26	7	18.2	10	2
AC2050-10K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050-11K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050-12K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050-13K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050-16K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050-17K	M20x1.5	50	221.8	156	17.8	5	15.8	136.5	4	26	7	18.2	10	3
AC2050D-13SK	M20x1.5	50	195	120.7	17.8	5	17.7	70.6	23.7	26	7	18.2	10	2
AC2050D-14K	M20x1.5	50	244	178.2	17.8	5	15.8	136.5	25.3	26	7	18.2	10	2
AC2065-2K	M20x1.5	65	267.3	186.5	17.8	6	15.8	145	3.5	26	7	—	—	3
AC2065-2KW	M20x1.5	65	267.3	186.5	17.8	6	15.8	64.5	3.5	26	7	18.2	10	3

Figure 3

