



C-JAC INDUSTRIAL CO.,LTD.(TaiWan)



C-JAC INDUSTRIAL CO.,LTD.(ShangHai)



C-JAC INDUSTRIAL CO.,LTD.(SuZhou)



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SHOCK ABSORBERS

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Outstanding Motion Controls



10 Shock absorber

39 Shock absorber for log cabin

40 Hydraulic speed controller

44 Pilot check valve

46 Heavy duty shock absorber

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Characteristics

ACD series has adopted dual-buffering structure, and different buffering effects are installed at both ends. It is applicable to high speed site and commonly used for robot arm. It can reduce the noise and vibration of the equipment to increase greatly the operation speed of the robot arm.

- **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 ~ 3.5 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.



Purchase example

Model index

Calculation example

AC series

Circuit breaker series

AC-K series

ACD series

AC-S series

AD series

Stop cylinder series

Accessory

Shock absorber for log cabin

HR series

PC series

HD series

HD series selection

HD series accessory

User manual

ACD series

Performance parameters

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)
ACD2030-1	30	45	55,000	40	3.5	—	o	—	o	-10~+80	320
ACD2030-2	30	45	55,000	80	2.0	—	o	—	o	-10~+80	320
ACD2030-3	30	45	55,000	450	1.0	—	o	—	o	-10~+80	320
ACD2035-1	35	52	63,000	40	3.5	—	o	—	o	-10~+80	350
ACD2035-2	35	52	63,000	200	2.0	—	o	—	o	-10~+80	350
ACD2035-3	35	52	63,000	450	1.0	—	o	—	o	-10~+80	350
ACD2050-1	50	60	68,000	60	3.5	—	o	—	o	-10~+80	470
ACD2050-2	50	60	68,000	210	2.0	—	o	—	o	-10~+80	470
ACD2050-3	50	60	68,000	480	1.0	—	o	—	o	-10~+80	470
ACD2050-2WY	50	70	72,000	530	3.5	—	o	—	o	-10~+80	480

Figure 1

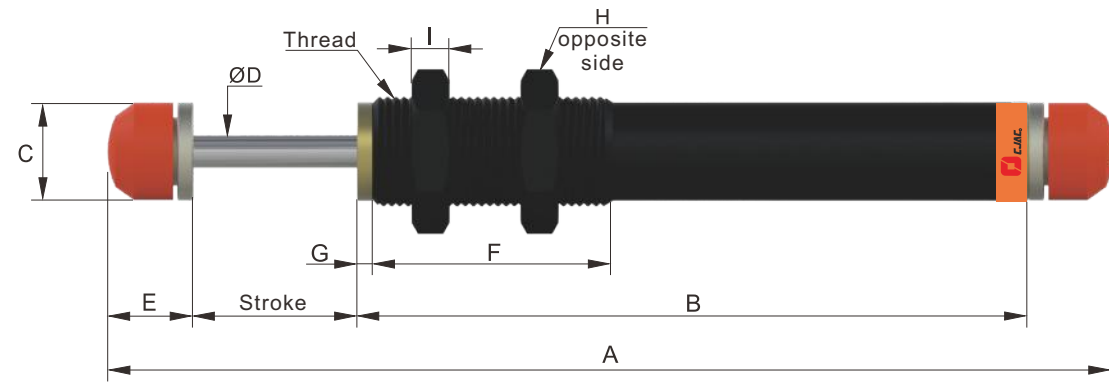
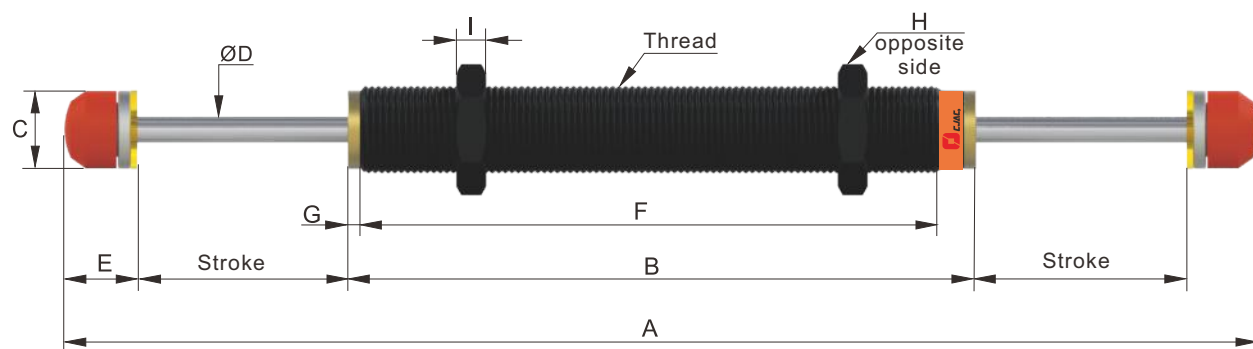


Figure 2

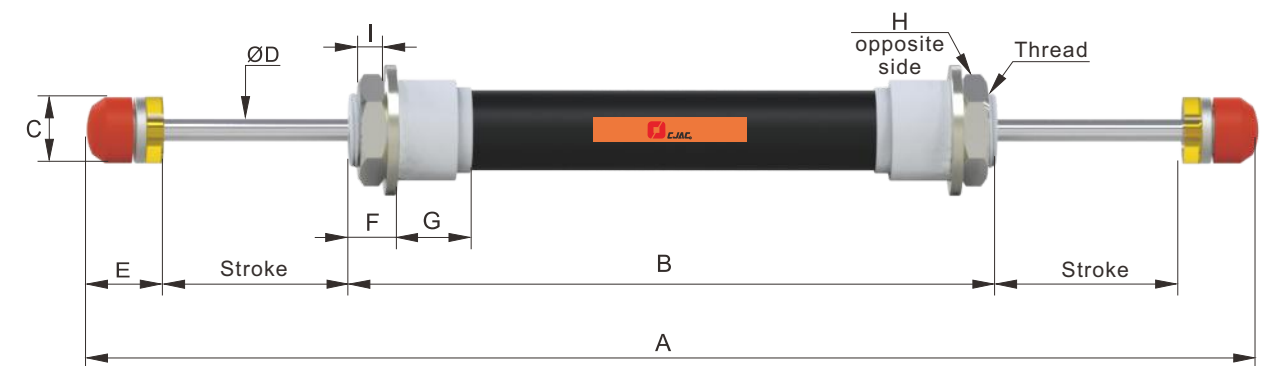


ACD series

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
ACD2030-1	M20x1.5	30	184.6	123	17.8	6	15.8	44	3	26	7	—	—	1
ACD2030-2	M20x1.5	30	184.6	123	17.8	6	15.8	44	3	26	7	—	—	1
ACD2030-3	M20x1.5	30	184.6	123	17.8	6	15.8	44	3	26	7	—	—	1
ACD2035-1	M20x1.5	35	224.6	123	17.8	5	15.8	42	5	26	7	—	—	2
ACD2035-2	M20x1.5	35	224.6	123	17.8	5	15.8	42	5	26	7	—	—	2
ACD2035-3	M20x1.5	35	224.6	123	17.8	5	15.8	42	5	26	7	—	—	2
ACD2050-1	M20x1.5	50	276.6	145	17.8	6	15.8	134	3	26	7	—	—	2
ACD2050-2	M20x1.5	50	276.6	145	17.8	6	15.8	134	3	26	7	—	—	2
ACD2050-3	M20x1.5	50	276.6	145	17.8	6	15.8	134	3	26	7	—	—	2
ACD2050-2WY	M20x1.5	50	313.8	172.8	17.8	6	20.5	11	16	26	7	—	—	3

Figure 3



- Purchase example
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- ACD series**
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