

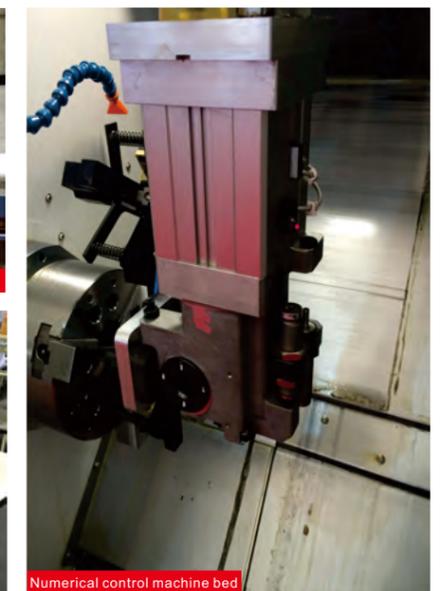
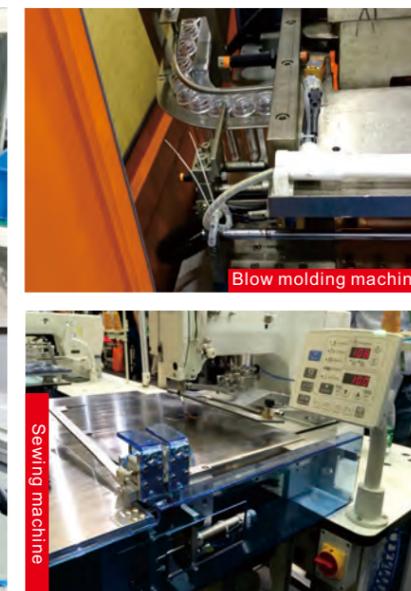
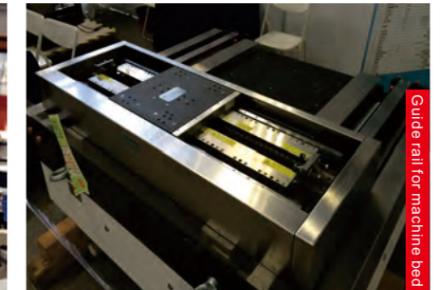
Self-compensated type

AC series

Characteristics

AC series is of fixed structure. Through special design and experimented oil hole and arrange method, linear deceleration on the object in motion is achieved. From high speed light load to low speed heavy load, appropriate energy can be absorbed without any adjustment. After the load is removed, reset spring will push the axle center to its original location. For AC series, it has three models of high speed, medium speed and low speed to satisfy your different needs.

- **Material** — Outer tube: AISI 1215, STKM 11A blackening oxidation, Ni-plating and nitridation sandblasting 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** — 0.5 ~ 4.0 m/s
- **Temperature range** — -10 ~ +80 °C
- **Installation method** — CJAC can provide you many installation methods such as NUT, FLANGE, positioning stop nut (SC) and angle adaptor (SLA). Meanwhile, it can also be prepared according to your need.
- **Special need** — CJAC can make customized design according to your usage condition.



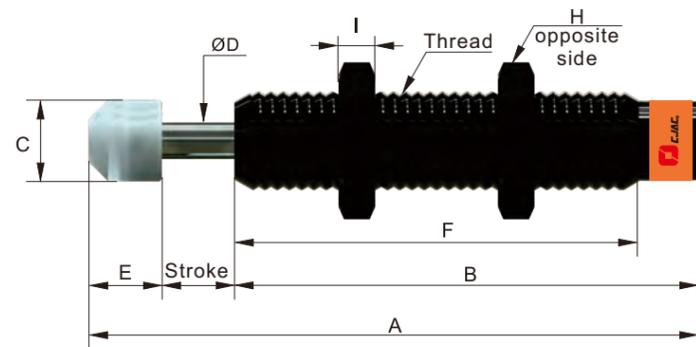
- Purchase example
- Model index
- Calculation example
- AC series
- Circuit breaker series
- AC-K series
- ACD series
- AC-S series
- AD series
- Stop cylinder series
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- Shock absorber for log cabin
- HR series
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- HD series
- HD series selection
- HD series accessory
- User manual

AC series

Performance parameter

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)
AC0805	5	1.8	7800	0.5	2.0	o	o	—	o	-10~+80	10
AC0806-1	6	2	8800	0.5	2.0	o	o	—	o	-10~+80	11
AC0806-2	6	2	8800	2.0	1.0	o	o	—	o	-10~+80	11
AC0806-3	6	2	8800	6.0	0.5	o	o	—	o	-10~+80	11
AC1005-1	5	3	10800	1.0	3.0	o	o	—	o	-10~+80	14
AC1005-2	5	3	10800	3.0	1.5	o	o	—	o	-10~+80	14
AC1005-3	5	3	10800	7.0	0.8	o	o	—	o	-10~+80	14
AC1008-1	8	4	15200	2.0	3.0	o	o	—	o	-10~+80	20
AC1008-2	8	4	15200	4.0	1.5	o	o	—	o	-10~+80	20
AC1008-3	8	4	15200	9.0	0.8	o	o	—	o	-10~+80	20
AC1210-1	10	5	17640	5.0	3.0	o	o	—	o	-10~+80	31.5
AC1210-2	10	5	17640	10.0	1.5	o	o	—	o	-10~+80	31.5
AC1210-3	10	5	17640	30.0	0.8	o	o	—	o	-10~+80	31.5
AC1408	8	12	22000	6	3.0	o	o	—	o	-10~+80	65
AC1412-1	12	15	30000	8	3.0	o	o	—	o	-10~+80	80
AC1412-2	12	15	30000	50	1.5	o	o	—	o	-10~+80	80
AC1412-3	12	15	30000	100	0.8	o	o	—	o	-10~+80	80
AC1416-1	16	20	35000	10	3.0	o	o	—	o	-10~+80	85
AC1416-2	16	20	35000	70	1.5	o	o	—	o	-10~+80	85
AC1416-3	16	20	35000	150	0.8	o	o	—	o	-10~+80	85

Figure 1

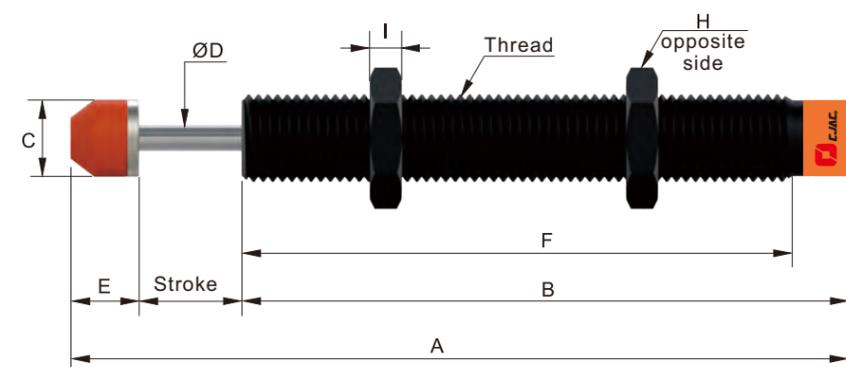


AC series

Form parameters

Model number	Thread	Stroke (mm)	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	Figure
AC0805	M8x1.0 M8x0.75	5	42	32	6	2.8	5	27.3	11	3	1
AC0806-1	M8x1.0 M8x0.75	6	50	38	6.6	3	6	33	11	3	1
AC0806-2	M8x1.0 M8x0.75	6	50	38	6.6	3	6	33	11	3	1
AC0806-3	M8x1.0	6	50	38	6.6	3	6	33	11	3	1
AC1005-1	M10x1.0	5	38.7	27.7	8.6	2.8	6	22.9	12.7	3	1
AC1005-2	M10x1.0	5	38.7	27.7	8.6	2.8	6	22.9	12.7	3	1
AC1005-3	M10x1.0	5	38.7	27.7	8.6	2.8	6	22.9	12.7	3	1
AC1008-1	M10x1.0	8	57	43	8.6	3	6	38	12.7	3	1
AC1008-2	M10x1.0	8	57	43	8.6	3	6	38	12.7	3	1
AC1008-3	M10x1.0	8	57	43	8.6	3	6	38	12.7	3	1
AC1210-1	M12x1.0	10	69.5	50	10.3	3	9.5	45.5	14	4	2
AC1210-2	M12x1.0	10	69.5	50	10.3	3	9.5	45.5	14	4	2
AC1210-3	M12x1.0	10	69.5	50	10.3	3	9.5	45.5	14	4	2
AC1408	M14x1.5	8	73.5	55	12	4	11.2	50.5	19	5	2
AC1412-1	M14x1.0 M14x1.5	12	99.2	76	12	4	11.2	67	19	5	2
AC1412-2	M14x1.0 M14x1.5	12	99.2	76	12	4	11.2	67	19	5	2
AC1412-3	M14x1.0 M14x1.5	12	99.2	76	12	4	11.2	67	19	5	2
AC1416-1	M14x1.0 M14x1.5	16	122.2	95	12	4	11.2	86	19	5	2
AC1416-2	M14x1.0 M14x1.5	16	122.2	95	12	4	11.2	86	19	5	2
AC1416-3	M14x1.0 M14x1.5	16	122.2	95	12	4	11.2	86	19	5	2

Figure 2



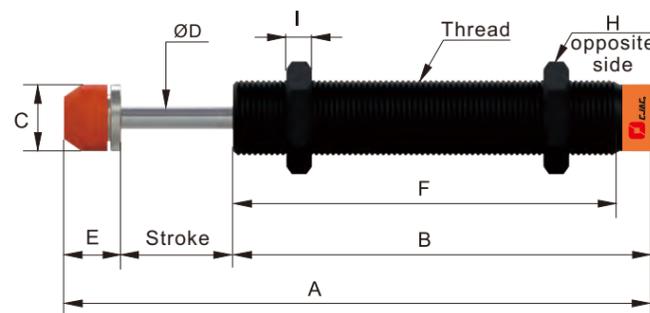
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AC series

Performance parameter

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)
AC1416-1C	16	20	35,000	10	3.0	o	o	—	o	-10~+80	80
AC1416-2C	16	20	35,000	70	1.5	o	o	—	o	-10~+80	80
AC1416-3C	16	20	35,000	150	0.8	o	o	—	o	-10~+80	80
AC1420-1	20	20	35,000	10	3.0	o	o	—	o	-10~+80	95
AC1420-2	20	20	35,000	70	1.5	o	o	—	o	-10~+80	95
AC1420-3	20	20	35,000	150	0.8	o	o	—	o	-10~+80	95
AC1425-1	25	28	37,000	20	3.0	o	o	—	o	-10~+80	105
AC1425-2	25	28	37,000	150	1.5	o	o	—	o	-10~+80	105
AC1425-3	25	28	37,000	250	0.8	o	o	—	o	-10~+80	105
AC1610	10	16	42,000	30	3.5	o	o	—	o	-10~+80	165
AC2020-1	20	40	40,000	30	3.5	o	o	—	o	-10~+80	215
AC2020-2	20	40	40,000	200	2.0	o	o	—	o	-10~+80	215
AC2020-3	20	40	40,000	700	1.0	o	o	—	o	-10~+80	215
AC2030-1	30	50	48,000	30	3.5	o	o	—	o	-10~+80	220
AC2030-2	30	50	48,000	200	2.0	o	o	—	o	-10~+80	220
AC2030-3	30	50	48,000	700	1.0	o	o	—	o	-10~+80	220
AC2050-1	50	60	60,000	60	3.5	o	o	—	o	-10~+80	300
AC2050-2	50	60	60,000	400	2.0	o	o	—	o	-10~+80	300
AC2050-3	50	60	60,000	1200	1.0	o	o	—	o	-10~+80	300
AC2525-1	25	80	54,000	200	4.0	o	o	—	o	-10~+80	330
AC2525-2	25	80	54,000	800	2.5	o	o	—	o	-10~+80	330
AC2525-3	25	80	54,000	1,500	1.0	o	o	—	o	-10~+80	330
AC2530-2	30	92	62,100	900	2.0	o	o	—	o	-10~+80	350

Figure 1

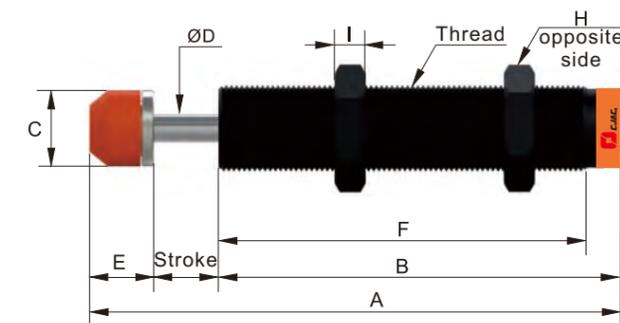


AC series

Form parameters

Model number	Thread	Stroke (mm)	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	Figure
AC1416-1C	M14x1.0 M14x1.5	16	103.2	76	12	4	11.2	67	19	5	1
AC1416-2C	M14x1.0 M14x1.5	16	103.2	76	12	4	11.2	67	19	5	1
AC1416-3C	M14x1.0 M14x1.5	16	103.2	76	12	4	11.2	67	19	5	1
AC1420-1	M14x1.5	20	126.2	95	12	4	11.2	86	19	5	1
AC1420-2	M14x1.5	20	126.2	95	12	4	11.2	86	19	5	1
AC1420-3	M14x1.5	20	126.2	95	12	4	11.2	86	19	5	1
AC1425-1	M14x1.0 M14x1.5	25	146.2	110	12	4	11.2	101	19	5	1
AC1425-2	M14x1.0 M14x1.5	25	146.2	110	12	4	11.2	101	19	5	1
AC1425-3	M14x1.0 M14x1.5	25	146.2	110	12	4	11.2	101	19	5	1
AC1610	M16x1.5	10	68	58	10	5	8	40	19	6	1
AC2020-1	M20x1.5 M20x2.0	20	145.3	110	17.8	6	15.3	101	26	7	1
AC2020-2	M20x1.5	20	145.3	110	17.8	6	15.3	101	26	7	1
AC2020-3	M20x1.5	20	145.3	110	17.8	6	15.3	101	26	7	1
AC2030-1	M20x1.5 M20x2.0	30	158.3	113	17.8	6	15.3	104	26	7	1
AC2030-2	M20x1.5 M20x2.0	30	158.3	113	17.8	6	15.3	104	26	7	1
AC2030-3	M20x1.5	30	158.3	113	17.8	6	15.3	104	26	7	1
AC2050-1	M20x1.5 M20x2.0	50	232.8	167	17.8	6	15.8	158	26	7	1
AC2050-2	M20x1.5	50	232.8	167	17.8	6	15.8	158	26	7	1
AC2050-3	M20x1.5	50	232.8	167	17.8	6	15.8	158	26	7	1
AC2525-1	M25x1.5 M25x2.0	25	155	111	22	8	19	101	32	9	2
AC2525-2	M25x1.5 M25x2.0	25	155	111	22	8	19	101	32	9	2
AC2525-3	M25x1.5 M25x2.0	25	155	111	22	8	19	101	32	9	2
AC2530-2	M25x1.5	30	160	111	22	8	19	101	32	9	2

Figure 2



AC series

Performance parameter

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)
AC2540-1	40	120	75,000	300	4.0	—	o	—	o	-10~+80	430
AC2540-2	40	120	75,000	1,200	2.5	—	o	—	o	-10~+80	430
AC2540-3	40	120	75,000	2,000	1.0	—	o	—	o	-10~+80	430
AC2550-1	50	135	90,000	200	4.0	o	o	—	o	-10~+80	435
AC2550-2	50	135	90,000	900	2.5	o	o	—	o	-10~+80	435
AC2550-3	50	135	90,000	1,680	1.0	o	o	—	o	-10~+80	435
AC2580-1	80	150	120,000	150	4.0	o	o	—	o	-10~+80	535
AC2580-2	80	150	120,000	600	2.5	o	o	—	o	-10~+80	535
AC2580-3	80	150	120,000	1,200	1.0	o	o	—	o	-10~+80	535
AC2725-1	25	80	54,000	200	4.0	o	o	—	o	-10~+80	380
AC2725-2	25	80	54,000	800	2.5	o	o	—	o	-10~+80	380
AC2725-3	25	80	54,000	1,500	1.0	o	o	—	o	-10~+80	380
AC3025-1	25	180	60,000	300	3.0	—	o	—	o	-10~+80	950
AC3025-2	25	180	60,000	700	2.0	—	o	—	o	-10~+80	950
AC3025-3	25	180	60,000	1,300	1.0	—	o	—	o	-10~+80	950
AC3660-1	60	250	120,000	400	4.0	—	o	—	o	-10~+80	1,030
AC3660-2	60	250	120,000	1,500	2.5	—	o	—	o	-10~+80	1,030
AC3660-3	60	250	120,000	2,400	1.0	—	o	—	o	-10~+80	1,030

Figure 1

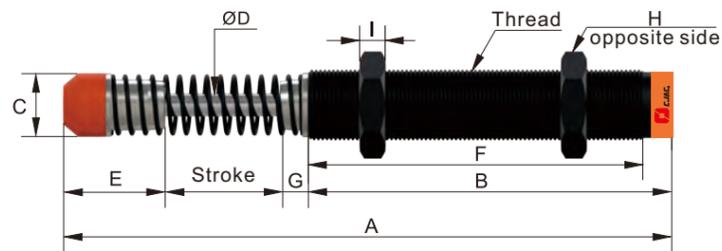
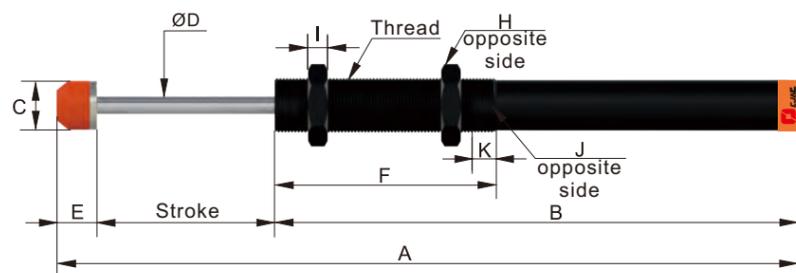


Figure 2



AC 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
AC2540-1	M25x1.5 M25x2.0	40	214	127	22	8	37	117	10	32	9	—	—	1
AC2540-2	M25x1.5 M25x2.0	40	214	127	22	8	37	117	10	32	9	—	—	1
AC2540-3	M25x1.5 M25x2.0	40	214	127	22	8	37	117	10	32	9	—	—	1
AC2550-1	M25x1.5 M25x2.0	50	239.5	170.5	22	8	19	100	—	32	9	22.8	11	2
AC2550-2	M25x1.5 M25x2.0	50	239.5	170.5	22	8	19	100	—	32	9	22.8	11	2
AC2550-3	M25x1.5 M25x2.0	50	239.5	170.5	22	8	19	100	—	32	9	22.8	11	2
AC2580-1	M25x1.5 M25x2.0	80	336	237	22	8	19	100	—	32	9	22.8	11	2
AC2580-2	M25x1.5 M25x2.0	80	336	237	22	8	19	100	—	32	9	22.8	11	2
AC2580-3	M25x1.5 M25x2.0	80	336	237	22	8	19	100	—	32	9	22.8	11	2
AC2725-1	M27x1.5 M27x3.0	25	155	111	22	8	19	101	—	32	9	—	—	3
AC2725-2	M27x1.5 M27x3.0	25	155	111	22	8	19	101	—	32	9	—	—	3
AC2725-3	M27x1.5 M27x3.0	25	155	111	22	8	19	101	—	32	9	—	—	3
AC3025-1	M30x1.5	25	151	106.5	27	10	19.5	96.5	—	36	14	—	—	3
AC3025-2	M30x1.5	25	151	106.5	27	10	19.5	96.5	—	36	14	—	—	3
AC3025-3	M30x1.5	25	151	106.5	27	10	19.5	96.5	—	36	14	—	—	3
AC3660-1	M36x1.5	60	248	162	35.5	10	26	134	17	46	15	—	—	4
AC3660-2	M36x1.5	60	248	162	35.5	10	26	134	17	46	15	—	—	4
AC3660-3	M36x1.5	60	248	162	35.5	10	26	134	17	46	15	—	—	4

Figure 3

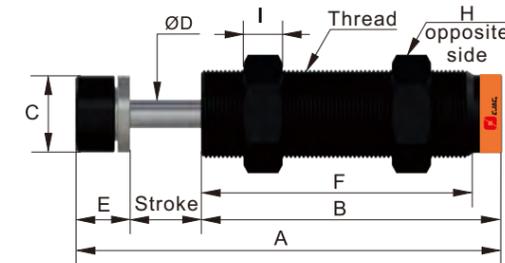


Figure 4

