



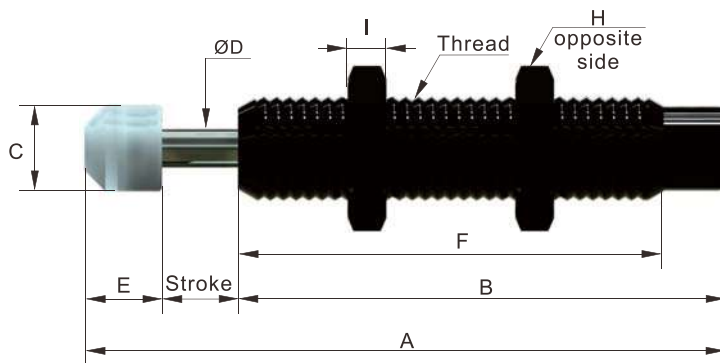
Characteristics

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 ——— Techno 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 ————— Techno can make customized design according to your usage condition.

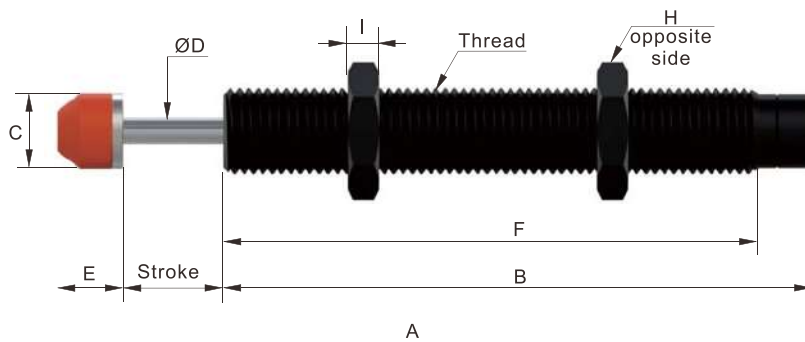
Model number	Stroke (mm)	Max. Nm Per Cycle (Et)	Max. Nm Per Hour (Etc)	Max. effective Mass (Me) Kg	Max. impact speed (v)m/s	Without impact head	With impact head	Flange (F)	Stop collar (SC)	Operating temperature (°C)	Weight (g)
AC0805	5	1.8	7800	0.5	2.0	o	o	—	o	-10~+80	10
AC0806	6	2	8800	2.0	1.0	o	o	—	o	-10~+80	11
AC1005	5	3	10800	3.0	1.5	o	o	—	o	-10~+80	14
AC1008	8	4	15200	4.0	1.5	o	o	—	o	-10~+80	20
AC1210	10	5	17640	10.0	1.5	o	o	—	o	-10~+80	31.5
AC1408	8	12	22000	6	3.0	o	o	—	o	-10~+80	65
AC1412	12	15	30000	50	1.5	o	o	—	o	-10~+80	80
AC1416	16	20	35000	70	1.5	o	o	—	o	-10~+80	85

Figure 1



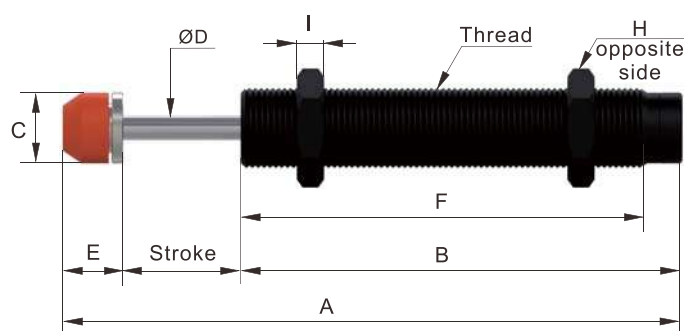
Model number	Thread	Stroke (mm)	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	Figure
AC0805	M8x1.0 M8x0.75	5	42	32	6	2.8	5	27.3	11	3	1
AC0806	M8x1.0 M8x0.75	6	50	38	6.6	3	6	33	11	3	1
AC1005	M10x1.0	5	38.7	27.7	8.6	2.8	6	22.9	12.7	3	1
AC1008	M10x1.0	8	57	43	8.6	3	6	38	12.7	3	1
AC1210	M12x1.0	10	69.5	50	10.3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

Figure 2



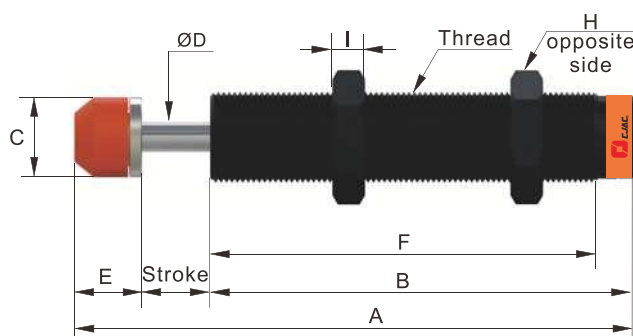
Model number	Stroke (mm)	Max. Nm Per Cycle (Et)	Max. Nm Per Hour (Etc)	Max. effective Mass (Me) Kg	Max. impact speed (v)m/s	Without impact head	With impact head	Flange (F)	Stop collar (SC)	Operating temperature (°C)	Weight (g)
AC1420	20	20	35,000	70	1.5	o	o	—	o	-10~+80	95
AC1425	25	28	37,000	150	1.5	o	o	—	o	-10~+80	105
AC1610	10	16	42,000	30	3.5	o	o	—	o	-10~+80	165
AC2020	20	40	40,000	200	2.0	o	o	—	o	-10~+80	215
AC2030	30	50	48,000	200	2.0	o	o	—	o	-10~+80	220
AC2050	50	60	60,000	400	2.0	o	o	—	o	-10~+80	300
AC2050	50	60	60,000	400	2.0	o	o	—	o	-10~+80	300
AC2525	25	80	54,000	800	2.5	o	o	—	o	-10~+80	330
AC2530	30	92	62,100	900	2.0	o	o	—	o	-10~+80	350

Figure 1



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

Figure 2



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

Figure 1

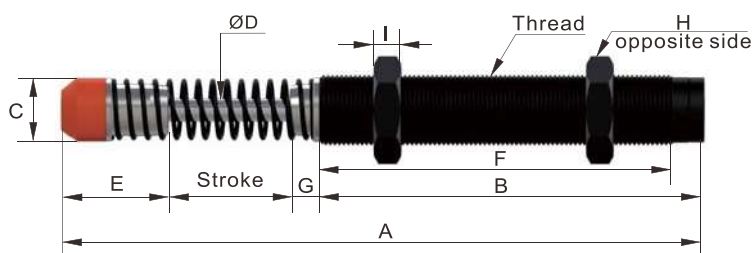
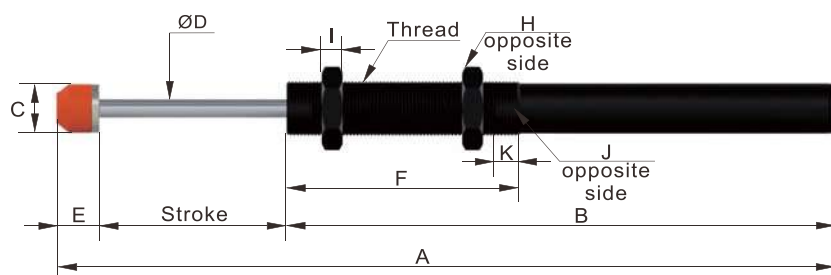


Figure 2



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

Figure 3

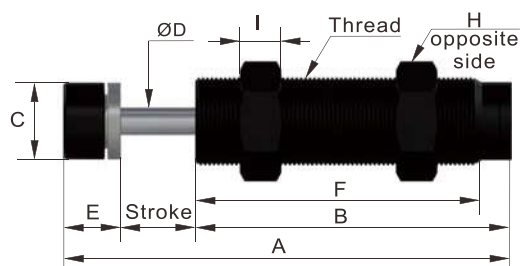


Figure 4

