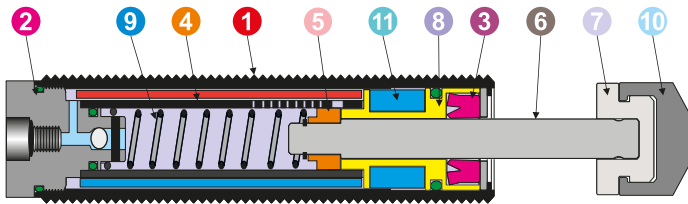


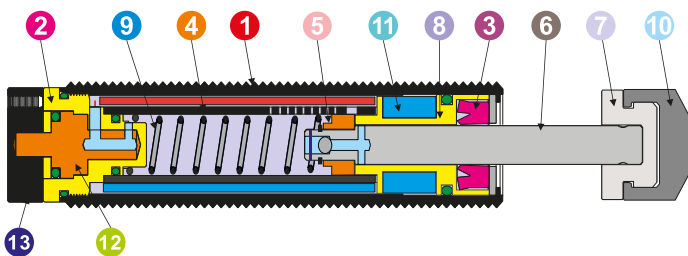
Principle and structure

AC Series Fixed type shock absorber structure



Fixed type is of none adjustable structure. It gets different buffer characteristics through changing internal overflow hole size, quantity and position. According to the different impact speed, it is divided into high speed(-1), medium speed(-2), low speed(-3). According to overflow hole area change, it can be divided into single overflow hole, multiple overflow holes.

AD Series Adjustable type shock absorber structure

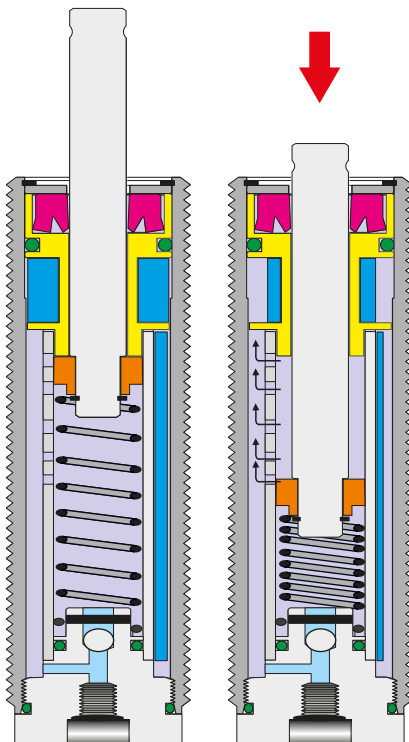


Through rotating the adjustable rotary button, it changes internal hydraulic oil displacement. It thus adjusts the buffer absorption characteristics. Common adjustable range: 0-8 scale range. Impact force gradually increases from "0" to "8".

When the product structure is of single hole overflow, it gets maximum adjustable change of impact force. When the structure is of multi-hole overflow, it has small impact force change from "0" to "8".

- | | | |
|--------------|--------------|-------------------|
| ① Out tube | ⑥ Piston rod | ⑪ Accumulator |
| ② End cover | ⑦ Head | ⑫ Adjustment blot |
| ③ Rod cover | ⑧ Bearing | ⑬ Adjustment knob |
| ④ Inner tube | ⑨ Spring | |
| ⑤ Piston | ⑩ Cap | |

Shock absorber operation principle



We describe the operation principle of all shock absorbers through below diagram. After being knocked, piston rod moves inward.

It forces hydraulic oil to pour into pressure accumulator through oil hole. It thus produces resistance.

After size arrangement of the designed and experimented oil holes, in the whole knocking process, pressure of internal cylinder keeps constant. It thus produces a fixed buffering power, i.e. So-called linear deceleration.

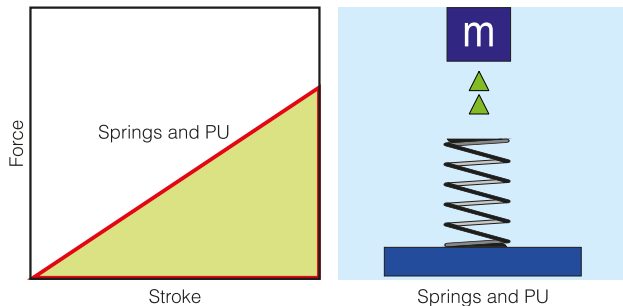
Through the linear deceleration process, shock absorber smoothly and peacefully stops the moving part by minimum force.

After the completion of impact stroke, resetting spring pushes the piston rod to the starting position and wait for the next impact.

Hydraulic shock absorber buffering effect

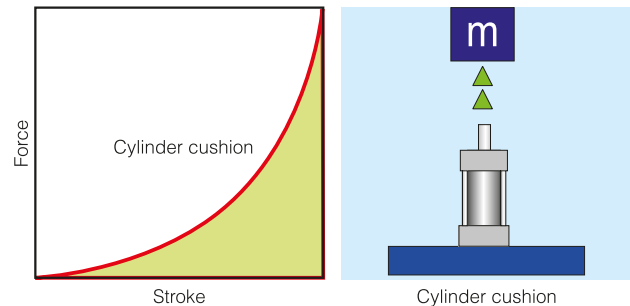
All moving objects have kinetic energy. Energy amount is decided by the weight and speed of moving object. If you want to stop a moving object, you shall install a device such as spring, rubber, air register or damper etc. that produces counter-acting force to the object. Though these things are cheap, they have a vital problem, i.e. it rebounds at any outer impact. shock absorber applies hydraulic principle. Hydraulic oil has been extruded the production heat through a specially designed choke. Heat is emitted to the air through metal transfer. Therefore kinetic energy is converted into heat energy. Regarding buffer effects of shock absorber, spring, rubber, air register etc., it will be described in the following diagrams.

Spring or rubber



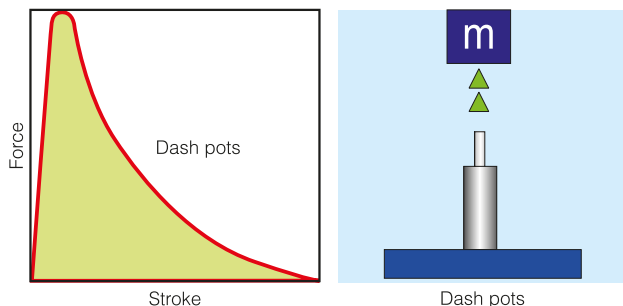
As kinetic energy of moving object can not be absorbed, it has been stored temporarily, therefore following the increase of the stroke, counter-acting force is getting stronger and stronger. It reaches an summit when it comes to the stroke end. It finally and inevitably rebounds and causes the mechanical damage.

Air register



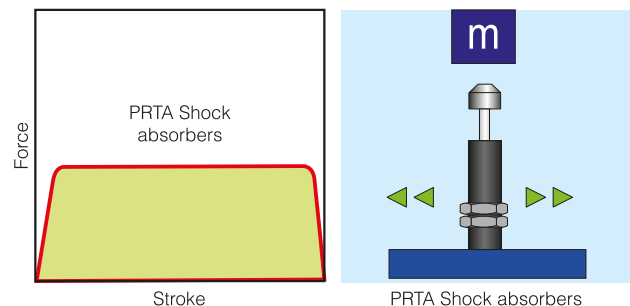
It gives continuous linear display in the early stage of the moving object. It produces low energy storage. When the stroke goes to an end, counter-acting force gets doubled increase. It finally and inevitably rebounds and causes the mechanical damage.

Damper



In the early stage of moving object stroke, it instantly stops the moving object by peak counter-acting force. It causes the mechanical shock. It then slowly slides to the stroke end.

Shock absorber



Shock absorber can absorb the kinetic object energy as soon as possible. It converts to heat energy and sends out to the air. Therefore the object shows linear deceleration in the whole stroke. It finally and smoothly slides and stops.

The functions of shock absorber

1. It enhances the productivity: As shock absorber can smoothly stop the impaction, therefore it greatly enhances the production efficiency of the machine and equipment in HF and high speed operation.
2. It prolongs the mechanical life: As the buffer absorbs the impaction energy, it greatly reduces the impact and shock of kinetic object to the machine. It avoids the mechanical damage due to any impact/shock. It reduces the repair cost, prolongs the service life of the machine, brings about less after sale services.
3. It enhances the product quality: As the buffer removes the shocking noise and destructive impact by the impaction, it brings about the smooth machine/equipment operation. Therefore it naturally enhances the product quality.
4. It greatly reduces the noise, offers a peaceful operating environment.
5. It enhances the safety of mechanical operation.

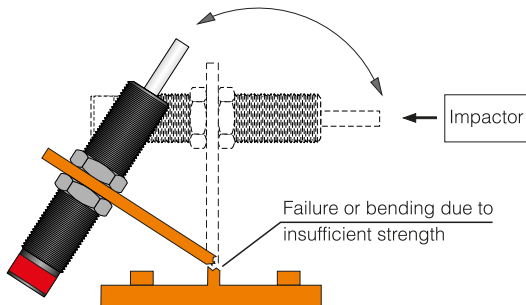
Application range of shock absorber

1. Mechanical arm, take-out arm, feeding equipment, screen printer, pad printer, conveyor, carrying machinery, electronic machinery.
2. Laboratory, teaching equipment, machine tool, food packaging machinery, rubber and plastic machinery.
3. Car and locomotive manufacture industry, carpentry, construction machinery, aviation and traffic machinery.
4. Civil defense military, medical treatment equipment, medi-care sanitation and hygiene equipment, environment protection equipment.

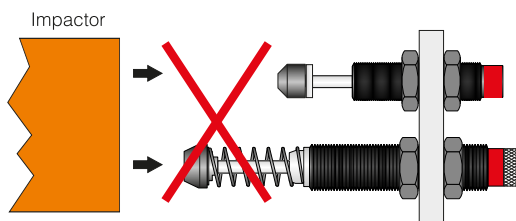
Considerations for operating shock absorber

1. Carrier strength confirmation

Before use, please firstly confirm the carrier strength. Under the conditions of insufficient carrier strength, it will cause the mechanical damage.

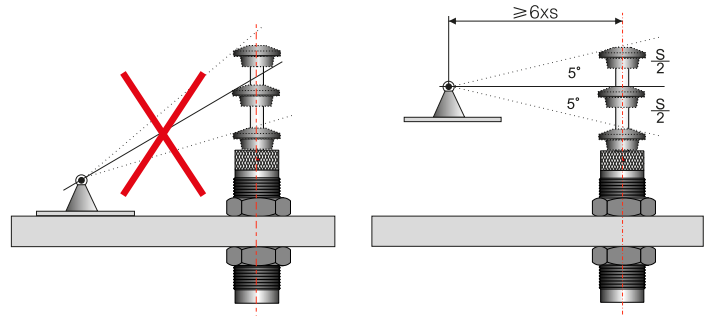


3. When 2PCS or 2PCS more products are of parallel use, same model of the product shall be used then. Therefore they get even pressure. When the adjustable products are of parallel use, as it is difficult in adjusting the absorption characteristics, therefore cautious use is strongly recommended!

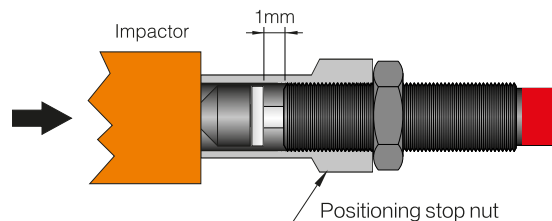


2. Please pay attention to eccentric and eccentric angle

When the load operates exceeding $\pm 2.5^\circ$, it bends the piston line, and the piston has one-side friction with internal cylinder wall. Long-time operation decreases the properties or losses the functions of shock absorber. It finally damages the machine. In installation, target the impact object to central axle position, and direction of motion coincides with the piston movement direction. In order to prevent the buffer from increasing the side load, distance between buffer installation position and rotary pivot shall ≥ 6 times of buffer stroke. When side load forms 5° angle with the buffer center line, it gets maximum absorbed energy. In installing the rotary load, please do not use the silencing cap.



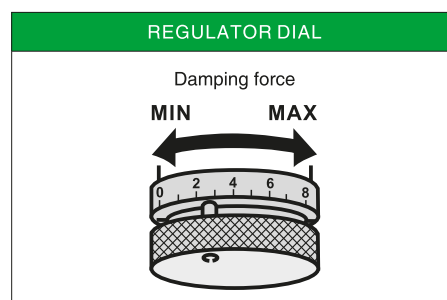
4. Lock absorber can not be used as safety device. External safety device shall be adjusted 1mm before the stroke. (If use positioning nut)



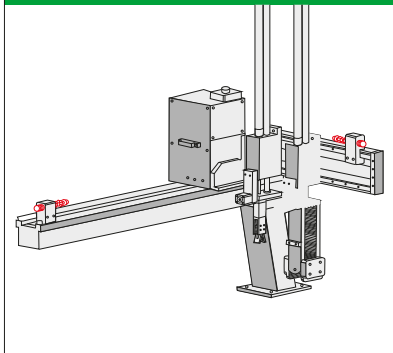
- It is strictly forbidden to disassemble or separate the buffer by your own. Improper assembly will cause the retaining ring or rear cover to fall down. Internal parts might fly off and cause accident. In the operation process of retaining ring structure buffer, do not close your face to the buffer front. Otherwise retaining ring might fall down, or the part flies off. It is very dangerous to you.
- It is strictly forbidden to knock, collide the axle center. It easily causes bent axle center. Axle center shall be operated in a clean environment. Otherwise it might increase the product leakage possibilities, reduces the products' service life.
- It is strictly forbidden to paint the taper pipe threads, axle center. Otherwise it will badly affect heat dissipation effects and cause oil leakage.
- It is strictly forbidden to burn the product. As the product has hydraulic oil inside, burning the product will cause fire disaster or dangerous accident.
- It is strictly forbidden to use the product in vacuum, high pressure environment. Otherwise it will damage the machine.

Attention to ad series buffer

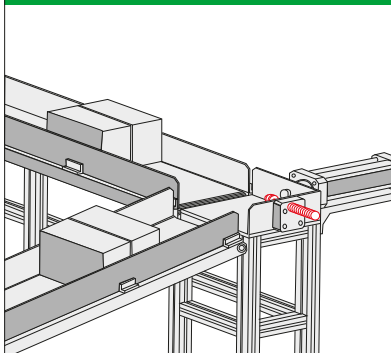
- In use, firstly adjust rotary button scale and set "4", after observing the knocking effect, then adjust the most proper position. (Adjusting method: If "4" scale stroke end has "BANG" sound, it shows that the product damping force is far from enough. Therefore it adjusts upward. If in contact, it instantly gives a big sound, it shows that the damping force is too big. It shall be adjusted downward.)
- Be sure to make step-by-step adjustment, it is strictly forbidden to make skipped adjustment! When it adjusts the proper position, it shall be locked by positioning nut. It thus prevents from loose product in operation due to any shakes.



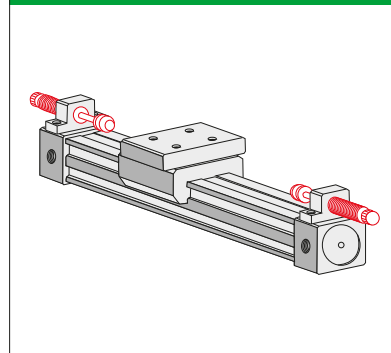
Plastic ejection forming extraction arm



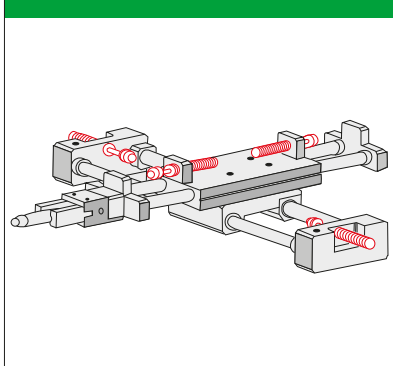
Moving and carrying transportation devices



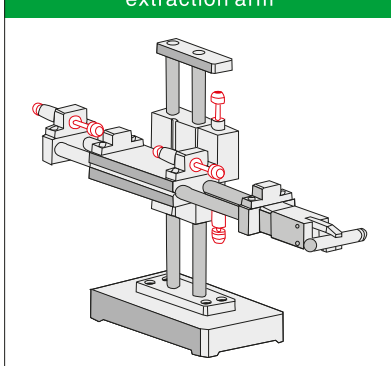
Cylinder without leader



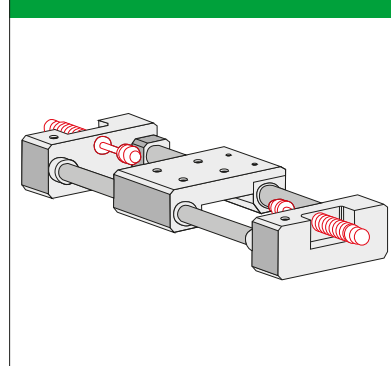
Combined leader cylinder



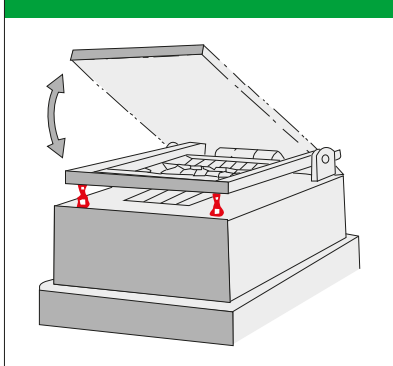
Pneumatic mechanical extraction arm



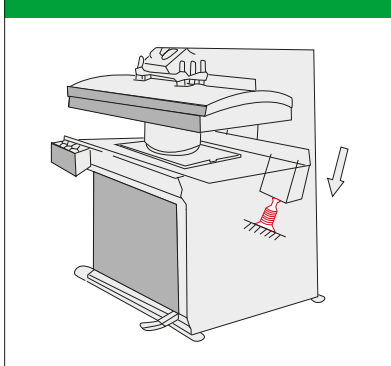
Leader cylinder



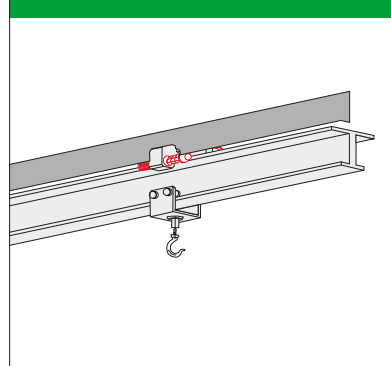
The on-off position of lid etc.



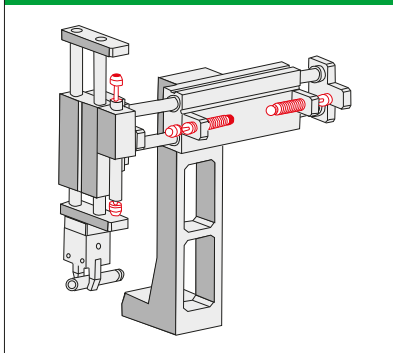
Washing press machine



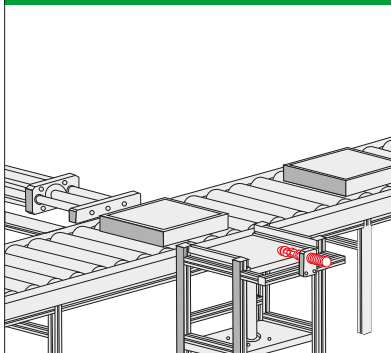
Overhead traveling crane



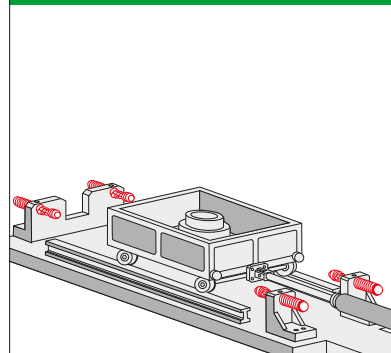
Combined air pressure manipulator



Conveyor



Trolley moving



Shock
Absorber

AC

AD

HR

HRT



Features

AC0604, 0806, 1005, 1008, 1210

1. Small bulk, compact structure suit the narrow space.
2. It can not be disassembled for the high safety properties.
3. Full thread of outer pressure cylinder is for flexible installation and adjustment.
4. Load can not be directly acted on end cap. Otherwise deformed end face will badly affect the stroke resetting.

Ordering code

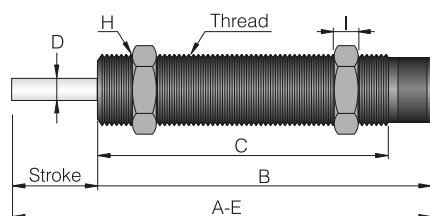
AC		-	20		25	-	2	-	
Model				Impact stroke				Buff cap	
AC		Multi-hole non-adjustable mode				Impact speed		Blank	
						1		With cap	
						2		Without cap	
						3			

Specifications

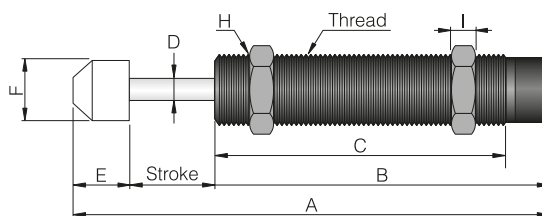
Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AC-0604-1	4	1.8	6,480	0.4	2.0	-10~+85
AC-0604-2	4	1.8	6,480	1.8	1.0	-10~+85
AC-0604-3	4	1.8	6,480	4	0.5	-10~+85
AC-0806-1	6	2	7,200	0.5	2.0	-10~+85
AC-0806-2	6	2	7,200	2.0	1.0	-10~+85
AC-0806-3	6	2	7,200	6.0	0.5	-10~+85
AC-1005-1	5	3	10,800	1	3.0	-10~+85
AC-1005-2	5	3	10,800	3	1.5	-10~+85
AC-1005-3	5	3	10,800	7	0.8	-10~+85
AC-1008-1	8	4	14,400	2	3.0	-10~+85
AC-1008-2	8	4	14,400	4	1.5	-10~+85
AC-1008-3	8	4	14,400	9	0.8	-10~+85
AC-1210-1	10	5	18,000	5	3.0	-10~+85
AC-1210-2	10	5	18,000	10	1.5	-10~+85
AC-1210-3	10	5	18,000	30	0.8	-10~+85

Dimensions

AC0604
AC0806
AC1005
AC1008
AC1210



Without cap



With cap

Model	Thread	Stroke (mm)	A	B	C	D	E	F	H	I
AC-0604-1	M6×0.75	4	33	25	20.5	1.8	4	4.6	8	2
AC-0604-2	M6×0.75	4	33	25	20.5	1.8	4	4.6	8	2
AC-0604-3	M6×0.75	4	33	25	20.5	1.8	4	4.6	8	2
AC-0806-1	M8×1.0	6	50	38	33	2.8	6	6.6	11	3
AC-0806-2	M8×1.0	6	50	38	33	2.8	6	6.6	11	3
AC-0806-3	M8×1.0	6	50	38	33	2.8	6	6.6	11	3
AC-1005-1	M10×1.0	5	38.7	27.7	22.9	2.8	6	8.6	12.7	3
AC-1005-2	M10×1.0	5	38.7	27.7	22.9	2.8	6	8.6	12.7	3
AC-1005-3	M10×1.0	5	38.7	27.7	22.9	2.8	6	8.6	12.7	3
AC-1008-1	M10×1.0	8	57	43	38	3	6	8.6	12.7	3
AC-1008-2	M10×1.0	8	57	43	38	3	6	8.6	12.7	3
AC-1008-3	M10×1.0	8	57	43	38	3	6	8.6	12.7	3
AC-1210-1	M12×1.0	10	69.2	50	45.5	3	9.2	10.3	14	4
AC-1210-2	M12×1.0	10	69.2	50	45.5	3	9.2	10.3	14	4
AC-1210-3	M12×1.0	10	69.2	50	45.5	3	9.2	10.3	14	4

Features

AC14XX, AC20XX

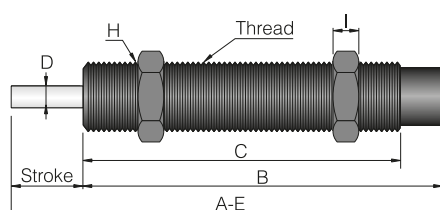
1. Automatic compensation structure satisfy the energy absorption requirements under different conditions.
2. AC-2/3 Series about 1-2mm of stroke end has strong buffer area. It prevents from directly touching the bottom and damaging the product.
3. Combination of special-purpose sealing device and special hydraulic oil enhances the buffering performance and service life.
4. Fullthread of outer pressure cylinder is flexible for installation and adjustment.

Specifications

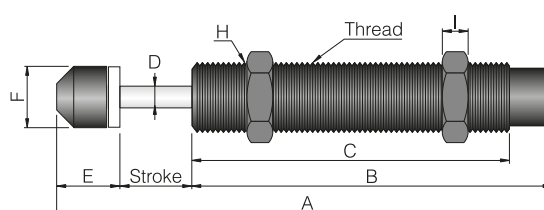
Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AC-1412-1	12	15	36,000	8	3.0	-10~+85
AC-1412-2	12	15	36,000	50	1.5	-10~+85
AC-1412-3	12	15	36,000	100	0.8	-10~+85
AC-1416-1	16	20	40,000	10	3.0	-10~+85
AC-1416-2	16	20	40,000	70	1.5	-10~+85
AC-1416-3	16	20	40,000	150	0.8	-10~+85
AC-1416-1	16	20	35,000	10	3.0	-10~+85
AC-1416-2	16	20	35,000	70	1.5	-10~+85
AC-1416-3	16	20	35,000	150	0.8	-10~+85
AC-1425-1	25	25	48,000	12	3.0	-10~+85
AC-1425-2	25	25	48,000	80	1.5	-10~+85
AC-1425-3	25	25	48,000	160	0.8	-10~+85
AC-2020-1	20	40	48,000	30	3.5	-10~+85
AC-2020-2	20	40	48,000	200	2.0	-10~+85
AC-2020-3	20	40	48,000	700	1.0	-10~+85
AC-2030-1	30	50	54,000	30	3.5	-10~+85
AC-2030-2	30	50	54,000	200	2.0	-10~+85
AC-2030-3	30	50	54,000	700	1.0	-10~+85
AC-2050-1	50	60	66,000	60	3.5	-10~+85
AC-2050-2	50	60	66,000	400	2.0	-10~+85
AC-2050-3	50	60	66,000	1,200	1.0	-10~+85

Dimensions

AC-1412
AC-1416
AC-1416-C
AC-1425
AC-2020
AC-2030
AC-2050



Without cap



With cap

Model	Thread	Stroke (mm)	A	B	C	D	E	F	H	I
AC-1412-1	M14×1.5	12	100.2	76.2	67	4	12	12	19	6
AC-1412-2	M14×1.5	12	100.2	76.2	67	4	12	12	19	6
AC-1412-3	M14×1.5	12	100.2	76.2	67	4	12	12	19	6
AC-1416-1	M14×1.5	16	123	95	86	4	12	12	19	6
AC-1416-2	M14×1.5	16	123	95	86	4	12	12	19	6
AC-1416-3	M14×1.5	16	123	95	86	4	12	12	19	6
AC-1416-1	M14×1.5	16	104	76	67	4	12	12	19	6
AC-1416-2	M14×1.5	16	104	76	67	4	12	12	19	6
AC-1416-3	M14×1.5	16	104	76	67	4	12	12	19	6
AC-1425-1	M14×1.5	25	147	110	100	4	12	12	19	6
AC-1425-2	M14×1.5	25	147	110	100	4	12	12	19	6
AC-1425-3	M14×1.5	25	147	110	100	4	12	12	19	6
AC-2020-1	M20×1.5	20	145.8	110	101	6	15.8	18	26	8
AC-2020-2	M20×1.5	20	145.8	110	101	6	15.8	18	26	8
AC-2020-3	M20×1.5	20	145.8	110	101	6	15.8	18	26	8
AC-2030-1	M20×1.5	30	155.8	110	101	6	15.8	18	26	8
AC-2030-2	M20×1.5	30	155.8	110	101	6	15.8	18	26	8
AC-2030-3	M20×1.5	30	155.8	110	101	6	15.8	18	26	8
AC-2050-1	M20×1.5	50	232.8	167	158	6	15.8	18	26	8
AC-2050-2	M20×1.5	50	232.8	167	158	6	15.8	18	26	8
AC-2050-3	M20×1.5	50	232.8	167	158	6	15.8	18	26	8

Shock
Absorber

AC

AD

HR

HRT

Features

AC25XX, AC3660

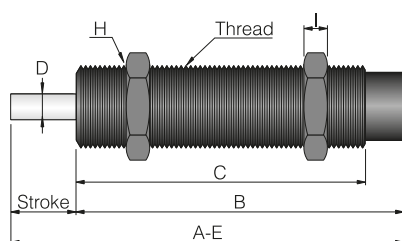
1. Automatic compensation structure satisfy the energy absorption requirements under different conditions.
2. About 1-2mm of stroke end has strong buffer area. It prevents from directly touching the bottom and damaging the product.
3. Combination of special-purpose sealing device and special hydraulic oil enhances the buffering performance and service life.
4. Full thread of outer pressure cylinder is flexible for installation and adjustment.

Specifications

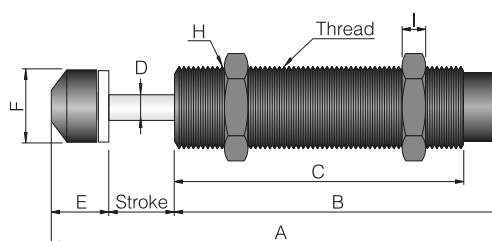
Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AC-2525-1	25	80	60,000	200	4.0	-10~+85
AC-2525-2	25	80	60,000	600	2.5	-10~+85
AC-2525-3	25	80	60,000	1,000	1.0	-10~+85
AC-2540-1	40	120	84,000	300	4.0	-10~+85
AC-2540-2	40	120	84,000	800	2.5	-10~+85
AC-2540-3	40	120	84,000	1,200	1.0	-10~+85
AC-2550-1	50	98	98,000	15	4.0	-10~+85
AC-2550-2	50	98	98,000	40	2.5	-10~+85
AC-2550-3	50	98	98,000	160	1.0	-10~+85
AC-2580-1	80	150	127,500	20	4.0	-10~+85
AC-2580-2	80	150	127,500	50	2.5	-10~+85
AC-2580-3	80	150	127,500	200	1.0	-10~+85
AC-3660-1	60	250	125,000	400	4.0	-10~+85
AC-3660-2	60	250	125,000	1,500	2.5	-10~+85
AC-3660-3	60	250	125,000	2,400	1.0	-10~+85

Dimensions

AC2525

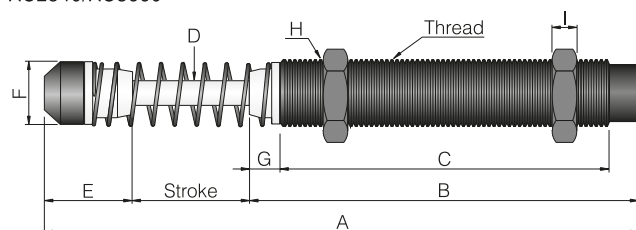


Without cap

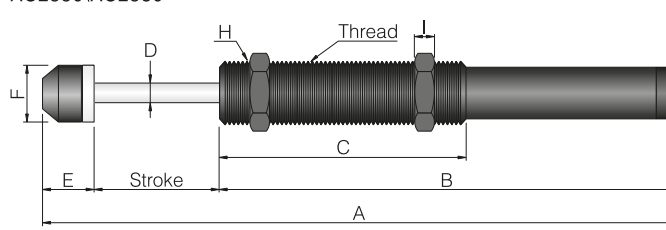


With cap

AC2540/AC3660



AC2550\AC2580



Model	Thread	Stroke (mm)	A	B	C	D	E	F	G	H	I
AC-2525-1	M25×1.5	25	154.5	101	111	8	18.5	22	-	32	10
AC-2525-2	M25×1.5	25	154.5	101	111	8	18.5	22	-	32	10
AC-2525-3	M25×1.5	25	154.5	101	111	8	18.5	22	-	32	10
AC-2540-1	M25×1.5	40	214	117	137	8	37	22	10	32	10
AC-2540-2	M25×1.5	40	214	117	137	8	37	22	10	32	10
AC-2540-3	M25×1.5	40	214	117	137	8	37	22	10	32	10
AC-3660-1	M36×1.5	60	247	134	162	10	25	35	17	46	15
AC-3660-2	M36×1.5	60	247	134	162	10	25	35	17	46	15
AC-3660-3	M36×1.5	60	247	134	162	10	25	35	17	46	15
AC-2550-1	M25×1.5	50	239	100	170.5	8	18.5	22	-	32	10
AC-2550-2	M25×1.5	50	239	100	170.5	8	18.5	22	-	32	10
AC-2550-3	M25×1.5	50	239	100	170.5	8	18.5	22	-	32	10
AC-2580-1	M25×1.5	80	335.5	100	237	8	18.5	22	-	32	10
AC-2580-2	M25×1.5	80	335.5	100	237	8	18.5	22	-	32	10
AC-2580-3	M25×1.5	80	335.5	100	237	8	18.5	22	-	32	10



- Features

AD14, AD20

1.0~270° one-side eccentric adjustment effectively enlarges the adjustment range.

2. One-hole damping structure(-5 series) and multi-hole buffering structure are available for your selection according to your specific requirements.

3. Full thread of outer pressure cylinder is flexible for installation and adjustment.

4. Combination of special purpose sealing device and special hydraulic oil enhances the buffering properties and service life.

Ordering code

AD - 25 25 - 2 -

Model

AD Adjustable mode

Impact stroke

25

Impact speed

2

Buff cap

Blank With cap

N Without cap

Outer diameter

25

Specifications

Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AD-1410-N	10	20	24,000	80	3.2	-10~+85
AD-1410	10	20	24,000	80	3.2	-10~+85
AD-1415-N	15	22	26,400	120	3.2	-10~+85
AD-1415	15	22	26,400	120	3.2	-10~+85
AD-2016N	16	25	32,000	200	3.6	-10~+85
AD-2016	16	25	32,000	200	3.6	-10~+85
AD-2025-N	25	39	39,000	312	3.6	-10~+85
AD-2025	25	39	39,000	312	3.6	-10~+85

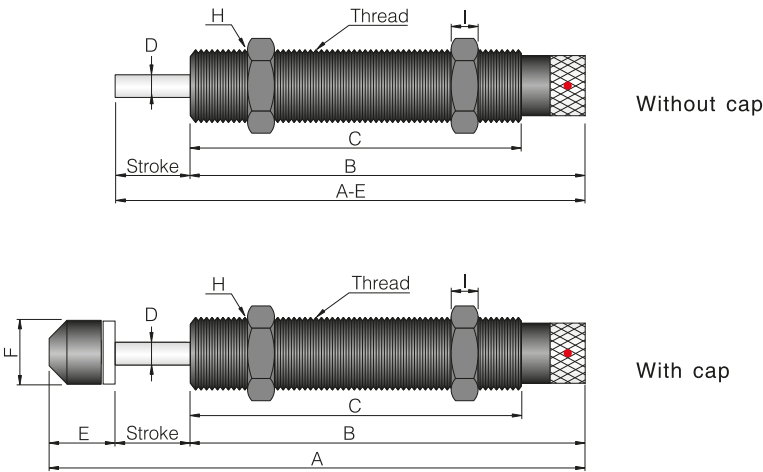
Dimensions

AD1410

AD1415

AD2016

AD2025



Model	Thread	Stroke (mm)	A	B	C	D	E	F	H	I
AD-1410-N	M14×1.5	10	-	83.2	65.7	4	-	-	19	6
AD-1410	M14×1.5	10	105.2	83.2	65.7	4	12	12	19	6
AD-1415-N	M14×1.5	15	-	102	85	4	-	-	19	6
AD-1415	M14×1.5	15	129	102	85	4	12	12	19	6
AD-2016N	M20×1.5	16	-	117	101	6	-	-	26	8
AD-2016	M20×1.5	16	148.8	117	101	6	15.8	18	26	8
AD-2025-N	M20×1.5	25	-	117	101	6	-	-	26	8
AD-2025	M20×1.5	25	157.8	117	101	6	15.8	18	26	8

Shock
Absorber

AC

AD

HR

HRT

Features

AC25XX, AC36XX

1. 0~270° one-side eccentric adjustment effectively enlarges the adjustment range.
2. One-hole damping structure (-5 series) and multi-hole buffering structure are available for your selection according to your specific requirements.
3. Full thread of outer pressure cylinder is flexible for installation and adjustment.
4. Combination of special purpose sealing device and special hydraulic oil enhances the buffering properties and service life.

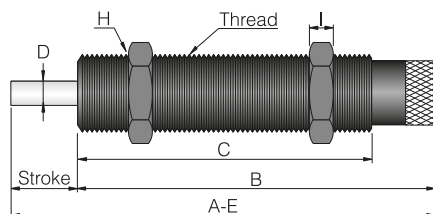
Specifications

Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AD-2525-N	25	85	51,000	400	3.6	-10~+85
AD-2525	25	85	51,000	400	3.6	-10~+85
AD-2530-N	30	95	57,000	480	3.6	-10~+85
AD-2530	30	95	57,000	480	3.6	-10~+85
AD-2540	40	100	84,000	700	3.6	-10~+85
AD-2550	50	98	98,000	720	4.2	-10~+85
AD-2580	80	150	127,000	800	4.2	-10~+85
AD-3625	25	150	90,000	1,400	3.2	-10~+85
AD-3650	50	300	108,000	1,400	3.2	-10~+85

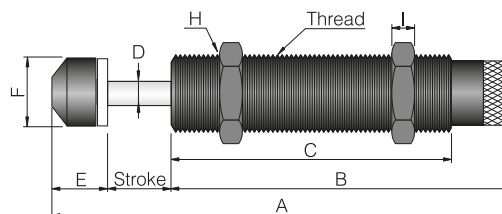
Dimensions

AD2525

AD2530

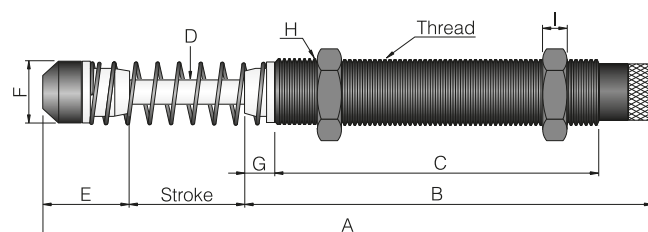


Without cap



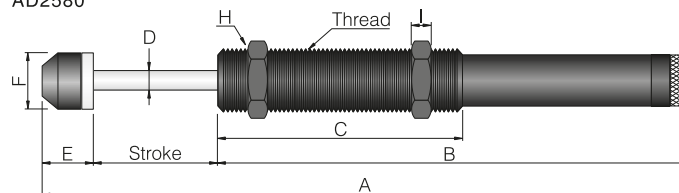
With cap

AD2540



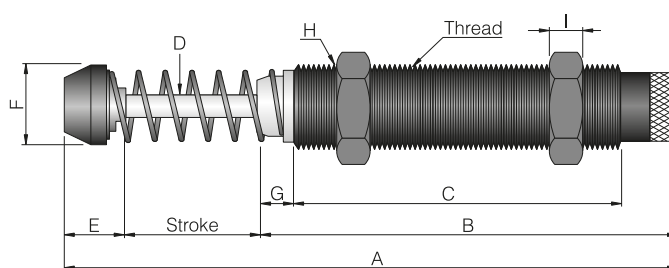
AD2550

AD2580



AD3625

AD3650



Model	Thread	Stroke (mm)	A	B	C	D	E	F	G	H	I
AD-2525-N	M25×1.5	25	-	118.5	101	8	-	-	-	32	10
AD-2525	M25×1.5	25	162	118.5	101	8	18.5	22	-	32	10
AD-2530-N	M25×1.5	30	-	118.5	101	8	-	-	-	32	10
AD-2530	M25×1.5	30	167	118.5	101	8	18.5	22	-	32	10
AD-2540	M25×1.5	40	221.5	144.5	117	8	37	22	10	32	10
AD-2550	M25×1.5	50	246.5	178	100	8	18.5	22	-	32	10
AD-2580	M25×1.5	80	343	244.5	100	8	18.5	22	12.5	32	10
AD-3625	M36×1.5	25	183	133	103	10	25	35.5	10	46	10
AD-3650	M36×1.5	50	246	171	134	10	25	35.5	17	46	15

Features

AC42XX, AC64XX

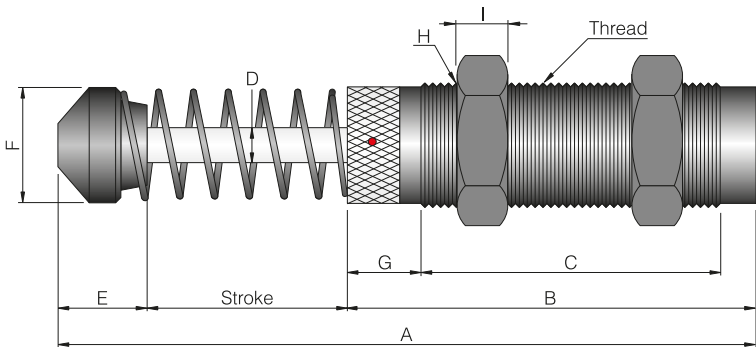
- 1. Special inner pressure cylinder combination and adjustment structure can bear strong impact force.
- 2. 2~3mm of the stroke end has strong buffering area. It prevents from directly touching the bottom and damaging the product.
- 3. In order to ensure the usage safety, be sure to confirm the bearing weight of the carrier before use.
- 4. Fixing modes are divided into nut fixing and flange fixing.
- 5. Be sure to stop at 2-3mm before the stroke. It prevents overload from touching the bottom and damaging internal parts.

Specifications

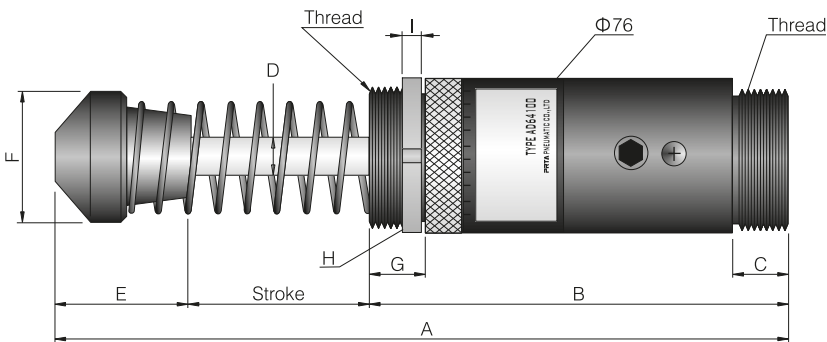
Model	Stroke (mm)	Max. absorbing energy per cycle E(Nm)	Max. absorb. energy hour Ec(Nm/hr)	Max. effective mass (kg)	Max. impact speed (m/s)	Operating temperature (°C)
AD-4225	25	260	130,000	3,000	3.6	-10~+85
AD-4250	50	500	155,000	4,000	4.8	-10~+85
AD-4275	75	750	187,000	6,000	4.8	-10~+85
AD-64050	50	12,000	1,560,000	12,727	1.6	-10~+85
AD-64100	100	24,000	1,920,000	18,181	1.6	-10~+85
AD-64150	150	36,000	2,520,000	23,636	1.6	-10~+85

Dimensions

AD4225
AD4250
AD4275



AD64050
AD64100
AD64150

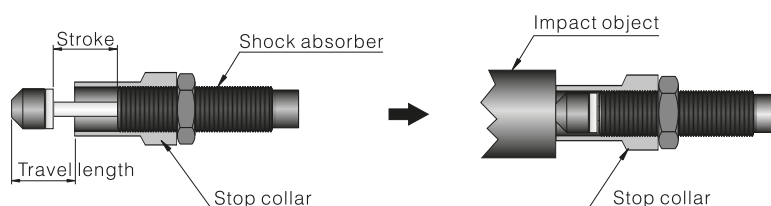


Model	Thread	Stroke (mm)	A	B	C	D	E	F	G	H	I
AD-4225	M42×1.5	25	186	127.5	88	12	33.5	44.5	28.5	50	15
AD-4250	M42×1.5	50	245.5	157	117.5	12	38.5	44.5	28.5	50	15
AD-4275	M42×1.5	75	301	187.5	148	12	38.5	44.5	28.5	50	15
AD-64050	UNF21/2-12	50	247	146	26	20	51	59	23	76.2	9.4
AD-64100	UNF21/2-12	100	347	196	26	20	51	59	23	76.2	9.4
AD-64150	UNF21/2-12	150	467	256	26	20	61	59	23	76.2	9.4

Shock Absorber
AC
AD
HR
HRT

With a impact head or without head product, you can small adjust or set travel, improve product life

Example Of Application



Stop collars

Specification	Dimensions	Applicable for shock absorber model	Specification	Dimensions	Applicable for shock absorber model
SC08		AC0806	SC20		AC2015 AD2016 AC2020 AD2020 AC2030 AD2025 AC2050
SC10		AC1005 AC1007 AC1008	SC25		AC2525 AD2525 AC2550 AD2530 AC2580 AD2550 AD2580
SC12		AC1210	SC40		AC2540 AD2540
SC14		AC1412 AD1410 AC1416 AD1415 AC1420 AD1425 AC1425	SC50		AC3660 AD3625 AD3650

Mounting flange

Specification	Dimensions	Applicable for shock absorber model	Specification	Dimensions	Applicable for shock absorber model
F36		AC3660 AD3650	F42		AD4225 AD4250 AD4275
			F64		AD64050 AD64100 AD64150



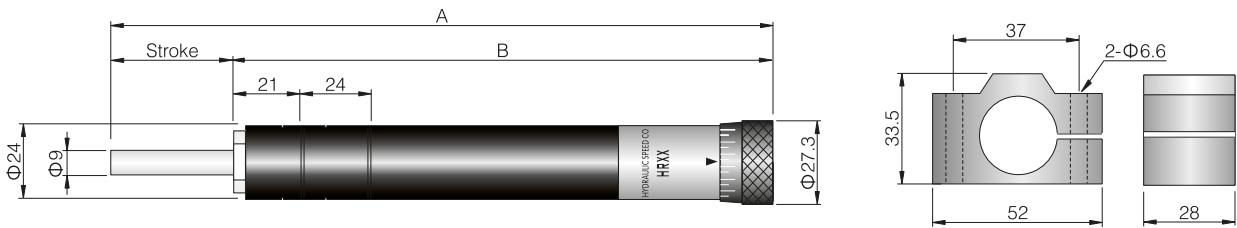
Features

- 1. Adopted whole closed structure which no needs the supplement of hydraulic oil, it can keep long period of stable function.
- 2. The suddenly fluctuation of load will not influence the buffer speed too much, so we could get the stable run speed.
- 3. Feed speed can be adjusted simply by the adjustable knob.
- 4. Keeping a long and stable control and making regress diaplasis with spring.
- 5. Because the viscosity of oil is very stable along with the temperature change, so the function of steady speed is very good.
- 6. When the load of axes in HR shock absorbers uninstal, the spring will self-fighing.

Ordering code

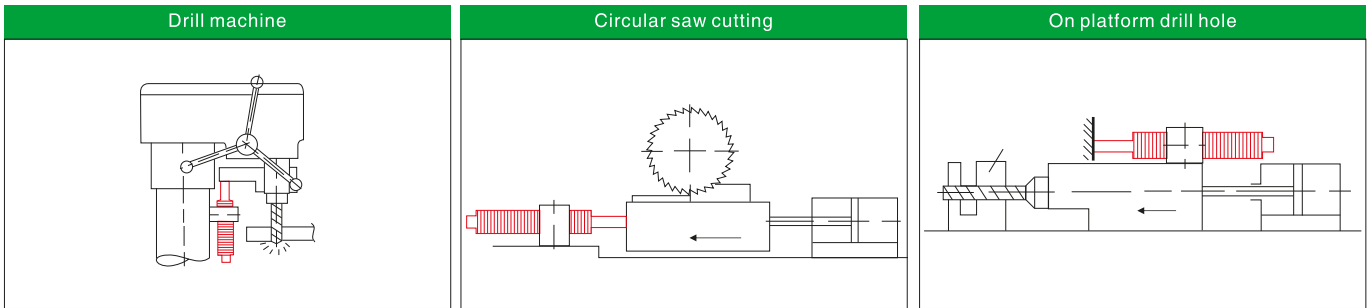
HR	-	30	-	<input type="checkbox"/>
Model		Stroke		Fixed way
HR	Hydraulic shock absorber		Blank	Module fixed
			N	Threaded fixed

Dimensions



Model	A	B	Maximum stroke	Working temperature	Maximum load
HR15	157	142	15mm	-10-70℃	350kgf
HR30	207	178	30mm	-10-70℃	350kgf
HR60	287	225	60mm	-10-70℃	350kgf
HR80	342	262	80mm	-10-70℃	350kgf
HR100	396	296	100mm	-10-70℃	350kgf

Examples of application



Shock Absorber
AC
AD
HR
HRT



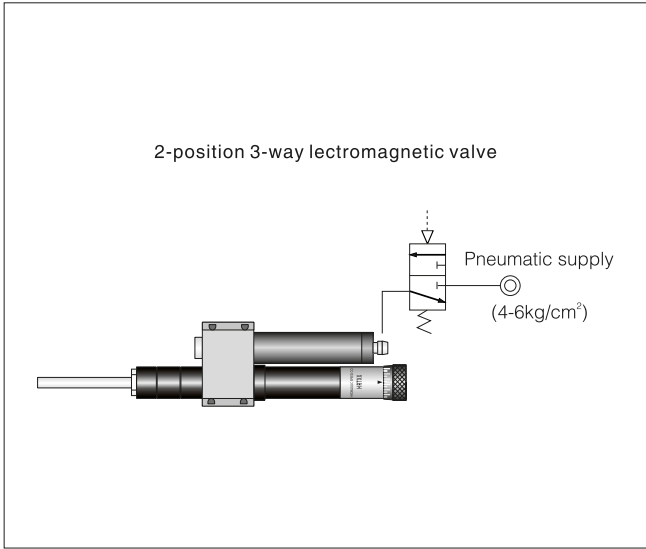
Features

- 1. Even though get rid of the load of the HRT damper, the piston rod will stop at primary position, and the piston rod must be reverted by compressed air.
- 2. The piston rod can stop at any position, so it is easy for subsection feed control.

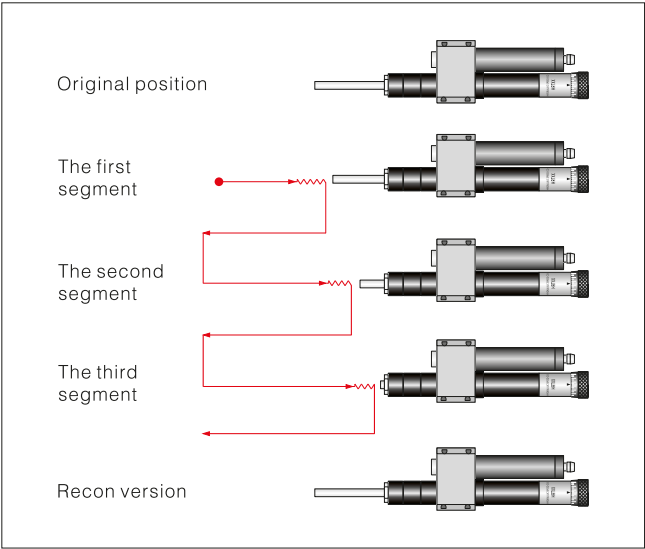
Ordering code

HRT	-	30	-	
Model		Stroke		Fixed way
HRT	Hydraulic shock absorber			Blank
				Module fixed
				N
				Threaded fixed

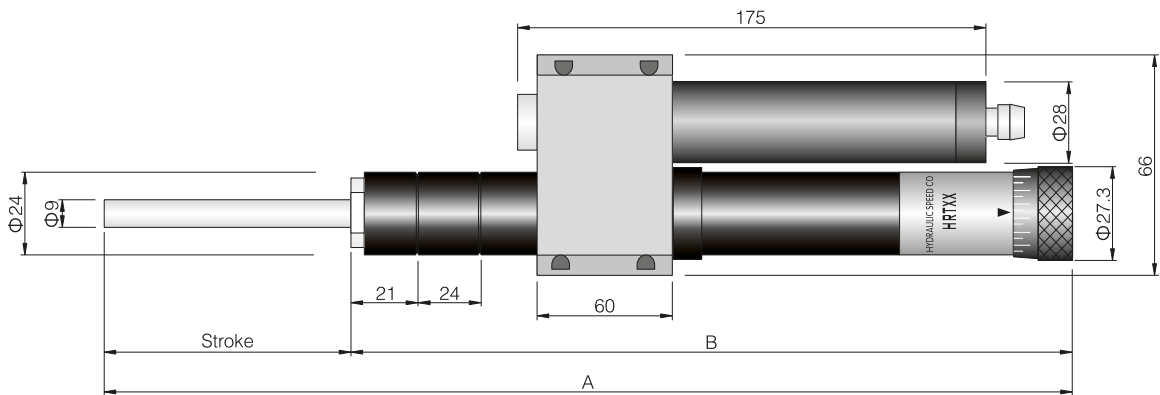
The example of pneumatic revert hydraulic shock absorber



The example of subsection feed



Dimensions



Model	A	B	Maximum stroke	Working temperature	Maximum load
HRT60	286	226	60mm	-10-70℃	350kgf
HRT100	396	296	100mm	-10-70℃	350kgf