



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



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



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



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# SHOCK ABSORBERS

CJAC

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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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2016.08

### Characteristics

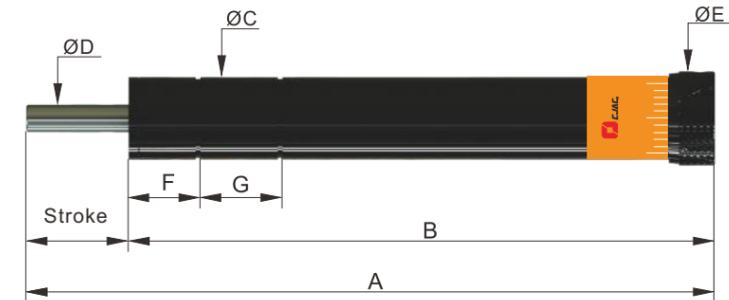
HR hydraulic speed controller can control the movement speed of the object continuously and stably in very long time. Spring and pneumatic method is adopted respectively for reset action, meanwhile, in order to adapt to the use in different environments, in addition to installing dust-prevention device internally, dust-prevention mask is also installed externally so as to guarantee the usage lifetime and speed stabilizing effect. HR hydraulic speed controller has adopted special hydraulic oil, therefore, there will be no difference in the propulsive speed due to the temperature rise generated by moving load. It is of small volume, easy to install, meanwhile, it is installed with 30 scales to facilitate the control and adjustment of the movement speed of the object.

- **Material**—— Outer tube: AISI 1215, STKM11A blackening oxidation and Ni-plating 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.
- **Temperature range**—— 0 ~ 60°C
- **Special need**—— CJAC can make customized spec according to your usage situation.

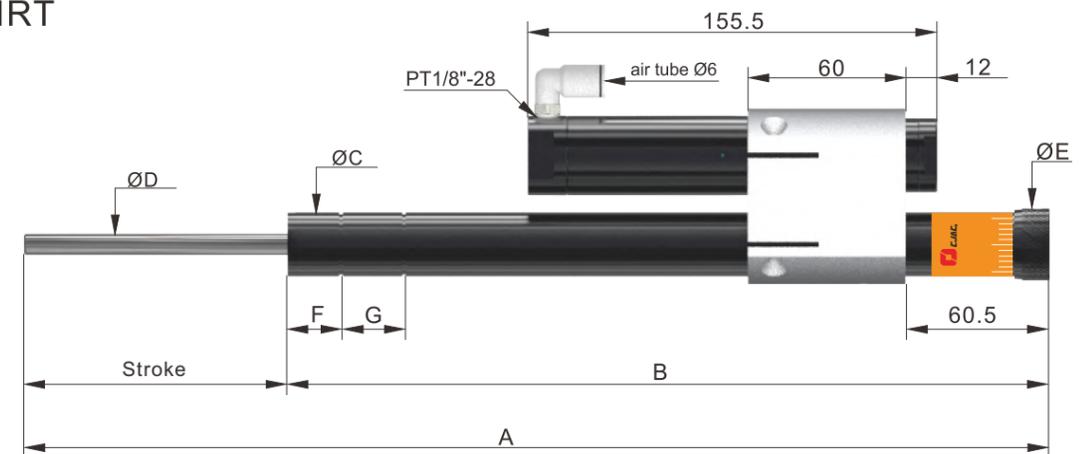


Model number	Stroke (mm)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Operating temperature (°C)	Max.load (Kgf)	Weight (g)
HR15	15	152	137	24	8	27.3	21	24	0~60	15~350	470
HR30	30	203	173	24	8	27.3	21	24	0~60	15~350	495
HR60	60	283.5	223.5	24	8	27.3	21	24	0~60	15~350	615
HR80	80	350.7	270.7	24	8	27.3	21	24	0~60	15~350	690
HR100	100	396.5	296.5	24	8	27.3	21	24	0~60	15~350	765
HR3160	60	331	271	30.8	12	36	37.2	43.5	0~60	30~420	1,000
HRT60	60	317.5	257	24	8	27.3	21	24	0~60	15~350	1,555
HRT100	100	389.5	289.5	24	8	27.3	21	24	0~60	15~350	1,635

HR



HRT



# HR series



## HR25-K

HR25-K is a brand new product, and it is totally different than the structural design of traditional sealing part. Due to the precise space design and protection in the oil bellow action location, it can be free from breaking due to its swelling in the pressure storing process. Folded type oil bellow design structure is used to link the piston rod, and retracting action is used to adjust the storage and pressure-storing of oil and then convert it into pressure release and resetting of piston rod. It does not have sealing part (oil seal), and both ends of oil bellow are fixed, therefore, there is no oil leak and contamination trouble. Meanwhile, special oil product is adopted, there is no difference in propulsive speed due to temperature rise generated by the load. Meanwhile, the tuning of the load of propulsive force can be from 0 (the lightest load) to 30 (the heaviest load) according to the labeling. Moreover, in the non-segmented tuning, each scale can clearly reflect the tuning effect. Meanwhile, due to its delicate form design, it is applicable to food-grade equipment, medical equipment, optical equipment, and the pneumatic and hydraulic speed controlling equipment in related automatic manufacturing field.

- Safe usage stroke is 24.6 mm.
- Please do not rotate the piston rod.
- Do not move the load in offset angle.

Model number	Stroke (mm)	Minimum force that will operate plunger full stroke (N)	Plunger return spring force (N)	Load that will push plunger 25.4mm per second at fastest adjustment (N)	Load that will push plunger 101mm per second at fastest adjustment (N)	Piston reset time (S)	Stroke finishing time under special force value			Operating temperature (°C)	Weight (g)
							4,400 (N)	2,200 (N)	440 (N)		
HR25-K	25.4	22.7	18	50	150	0.063	15	35	300	5~50	350



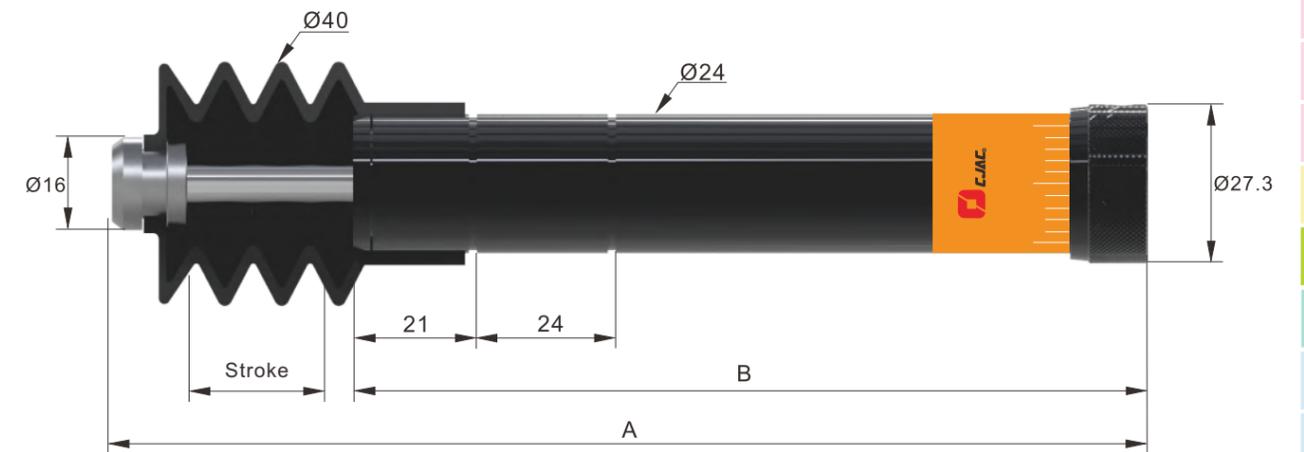
# Hydraulic speed controller

## Accessory

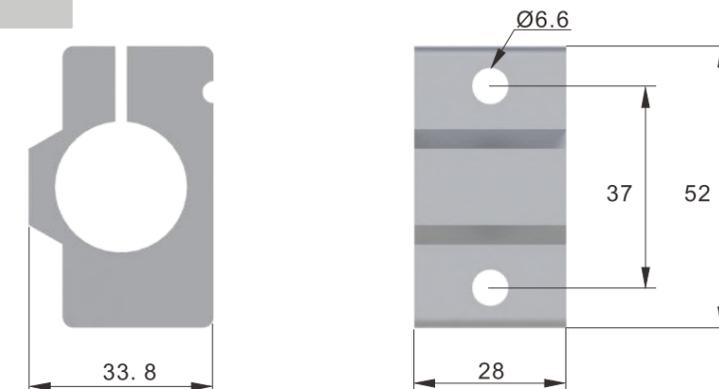
### Dust-prevention mask

- Lengthen the usage lifetime of hydraulic speed controller
- It is durable because polymer material is adopted.
- Special design makes it easy to be disassembled and exchanged.
- Dust-prevention protection is provided for hydraulic speed controller to provide safety for complicated environment.

型號	A (mm)	B (mm)	最大行程 (mm)	使用溫度 (°C)	最大負荷 (Kgf)	重量 (g)
HR15-FCZ	178	138	15	0~60	15~350	490
HR30-FCZ	248	173	30	0~60	15~350	525
HR60-FCZ	344	223.5	60	0~60	15~350	655



### Mounting



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