

## CRA1 Series Rotary Actuator(Rack & pinion type)



CDRA1BS30-90

Ordering Code

**CRA1**

**B**

**W**



**50**

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**90**



### Series Code

CRA1: Normal Type  
CDRA1: Attach Magnet Type

### Mounting Type

B: Basic Type  
L: Foot Type  
F: Flange Type  
(Not available for  $\phi 30$ )

### Shaft Type

S: Single Shaft(Not available for  $\phi 30$ )  
W: Double Shaft (Customized available)

### Type

Blank: Pneumatic  
H: Air-hydro(Not available for  $\phi 30$ )

### Cylinder Bore

30mm-100mm

### Rotation Angle

90: 90°  
180: 180°  
(100° and 190° available)

### Cushion

Blank: Without  
C: Air Cushion  
(Not available for  $\phi 30$ )

### Specification

Bore(mm)	30	50	63	80	100	
Working Medium	Air(to be filtered by 40 $\mu$ m filter element)					
Action Type	Double-acting					
Max.operating Pressure	1.0MPa					
Min.operating Pressure	0.1MPa					
Environment and Fluid Temperature	0~60°C (No freezing)					
Backlash	Within 1°(For $\phi 30$ , no backlash due to the installed stopper under pressure )					
Tolerance in Rotating Angle	+4° 0					
Lubrication	Not required(Not-lube)					
Output Torque(N·m)	1.9	9.3	17	32	74	
Allowable Kinetic Energy	No Air Cushion	0.01	0.05	0.12	0.16	0.54
	Air Cushion	-	0.98	1.2	2.0	2.9
Rotation Time Range(Sec/90°)	0.2~1	0.2~2	0.2~3	0.2~4	0.2~5	
Port Size Rc	M5×0.8	Rc1/8	Rc1/8	Rc1/4	Rc3/8	