

## Series Introduction

**A Series:** This series cannot withstand bending moments. It can neither be straddle nor cantilever mounted and can only provide torque in the form of shaft output.

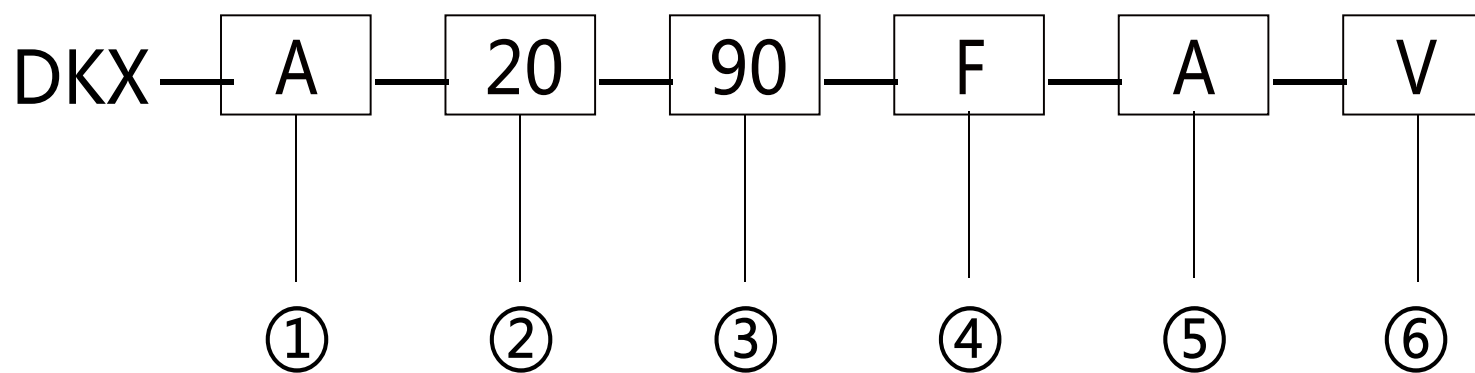
**B Series:** This series can withstand certain bending moments and can be either straddle or cantilever mounted and used by light-duty mechanical equipment.

**C Series:** This series can withstand bending moments, have a compact axial structure and can be cantilever mounted.

**D Series:** This series can withstand large bending moments and can be either straddle or cantilever mounted and used by heavy-duty mechanical equipment.

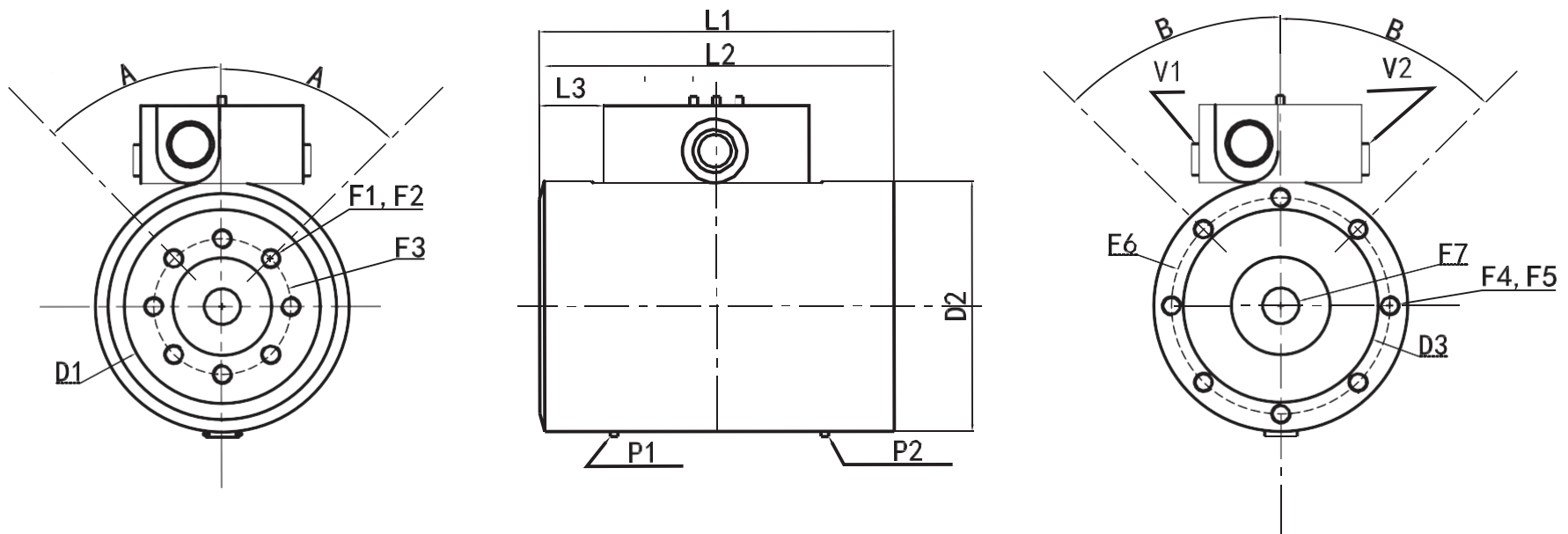
**E Series:** This series is a hydraulically controlled valve actuator that cannot withstand bending moments and is mainly used for performing the switching action of the valve.

## Model Description



①	Series No. of rotary actuator	A	B	C	D	E
②	Model	20, 35, 65, 135, 200, 250, 560, 800, 1200, 2200	50, 95, 180, 280, 300, 450, 580	20, 30, 60, 100, 160, 280	200, 280, 300, 470, 500, 750, 1000, 1150, 1400, 1800, 2500, 4200	12, 25, 50, 100, 200, 400, 800, 1600, 3200
③	Rotation angle	90=90° 180=180° 270=270° 360=360°				
④	Mounting type of actuator body	F= Flange mounting      D= Foot mounting      G= Actuator body mounting				
⑤	Torque output forms	A= Single shaft spline      B= Internal jack      C= Double flange      S= Single flange      Y= Double-shaft spline				
⑥	Accessories	V= Balance valve      R= Overflow valve      B= Cushion valve				
Note:	I . The rotary actuator can be installed with an angle encoder. Please specify if necessary; II . Special rotary actuators (non-standard rotation angle, torque and mounting type) can be customized; III. The models of telescopic linear rotary actuators and excavator-specific rotary actuators are not included in this table. Please contact Shanghai Dunke Machinery Co., Ltd. if necessary.					

## Performance parameters and dimensions of C series



Model		20	30	60	100	160	280
Torque 210bar (Nm)	Driving	190	340	620	1075	1695	2825
	Holding	630	1200	1900	3800	5700	9400
Bending moment (Nm)	Cantilever	565	1020	2260	5650	9040	11300
Load (KG)	Axial	907	1360	1850	3630	4990	6800
	Radial	907	1360	1850	3630	4990	6800
Displacement (cm <sup>3</sup> )	180°	63.9	121	192	365	552	914
	360°	-	243	384	733	1105	1829
Weight (KG)	180°	6.35	10	14.1	25.9	43.1	56.7
	360°	-	12.7	19.1	34.9	54.4	83
Valve (optional)		Optional	Optional	Optional	Optional	Optional	Optional
		Optional	Optional	Optional	Optional	Optional	Optional

Note: The performance parameters and dimensions of the products in the table are for reference only.  
The exact dimensions are subject to the final product drawings

**Performance parameters and dimensions of C series**

Model		20	30	60	100	160	280
D1 Shaft mounting surface diameter (mm)		77.2	89	102	127	148	185
D2 Shell diameter (mm)		100	119	135	170	198	226
D3 Inner diameter of mounting flange (mm)		76.6	93	105	134	157	186
F1 Mounting holes of shaft flange		M8	M8	M10	M12	M12	M16
		11.9	12	15.2	19.1	19.1	25.4
(F2: number of mounting holes:		8	8	12	12	12	12
F3 Bolt circle diameter of shaft flange (mm)		54	73	80	102	127	140
F4 Mounting holes of shell flange	Metric	M8	M8	M10	M12	M12	M12
	Depth	11.9	12	18	19.1	19.1	19.1
F5 Number of mounting holes for shell flange (Number)		8	8	12	12	12	12
F6 Bolt circle diameter of shell flange (mm)		86	103	117	151	175	203
F7 Shaft through-hole diameter (mm)		14.3	17	21.4	35.7	45.7	66.7
H1 Distance between center line and valve top (mm)		80	89.7	97.8	115	129	143
L1 Overall length (mm)	180°	140	143	156	184	224	241
	360°	-	189	212	258	311	346
L2 Overall length, non-rotating part (mm)	180°	138	142	154	182	221	239
	360°	-	188	211	256	308	344
L3 Distance between shaft flange and balance valve (mm)	180°	25.4	26.9	27.7	27.9	38.6	43.9
	360°	-	22.6	24.6	42.7	60.2	70.4
P1, P2 Shell oil outlet	ISO-1179-1/BSPP 'G' series oil outlet, with a size of 1/8 to 1. See details in drawings.						
V1,V2 Valve oil outlet							

Note: The performance parameters and dimensions of the products in the table are for reference only.

The exact dimensions are subject to the final product drawings.