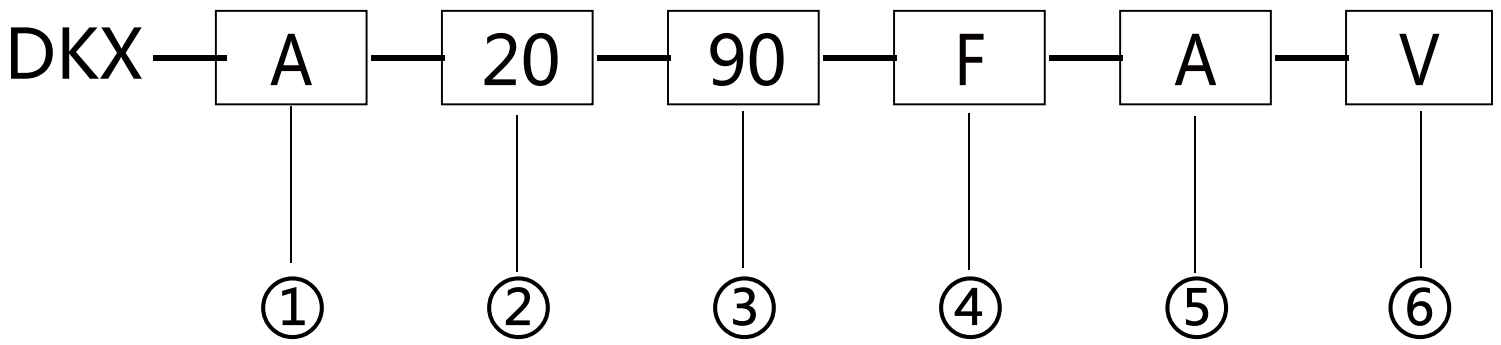
Model Code/Order

Series Introduction

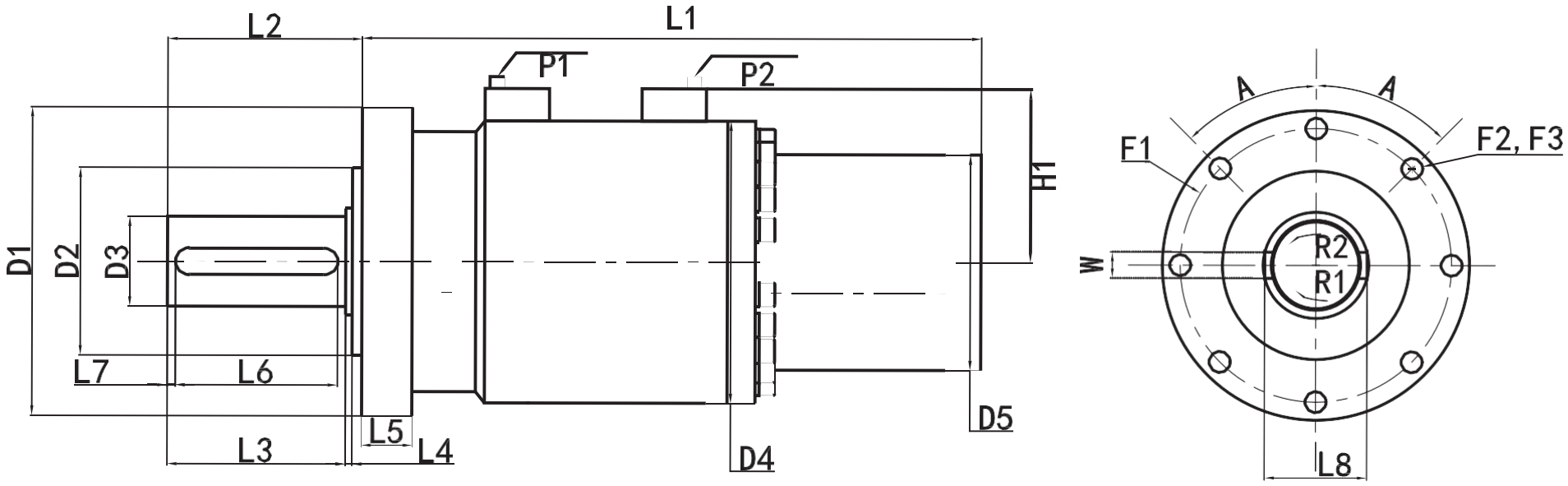
A Series: This series cannot withstand bending moments. It can neither be straddle nor cantilever mounted and can only provide torque in the form of shaft output.
B Series: This series can withstand certain bending moments and can be either straddle or cantilever mounted and used by light-duty mechanical 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
②	Rotation angle	90=90° 180=180° 270=270° 360=360°				
③	Mounting type of actuator body	F= Flange mounting D= Foot mounting G= Actuator body mounting				
④	Torque output forms	A= Single shaft spline B= Internal jack C= Double flange S= Single flange Y= Double-shaft spline				
⑤	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 A series



Model		20	35	65	135	200	250	560	800	1200	2200
Torque 210bar(Nm)	Driving	210	340	655	1350	2070	2555	5700	8200	12000	22200
	Holding	300	490	940	1930	2960	3650	8150	11750	17150	31750
Bending moment (Nm)	Straddle	–	–	–	–	–	–	–	–	–	–
	Cantilever	–	–	–	–	–	–	–	–	–	–
Load (KG)	Axial	800	1000	1400	1900	2500	2500	3500	4100	4700	6700
	Radial	160	300	400	750	1200	1200	1800	2100	3700	5800
Displacemen t (cm3)	180°	45	75	140	289	494	554	1217	1758	2730	4760
	360°	90	150	280	578	987	1108	2434	3516	5460	9520
Weight (KG)	180°	5	7	12	21	30	40	59	95	140	215
	360°	6	9	15	26	39	48	70	120	175	270
Valve (optional)		Optional	Optional	Optional	Optional	Optional	Optional	Optional	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.

Model Code/Order

Performance parameters and dimensions of A series

Model		20	35	65	135	200	250	560	800	1200	2200
D1 Integral flange diameter		98	108	128	149	178	189	222	249	278	325
D2 Setting circle diameter		55	68	80	100	115	115	150	160	190	235
D3 Output shaft diameter		22	28	35	42	55	55	70	80	100	120
D4 Shell diameter (mm)		69	79	97	119	145	149	178	205	219	275
D5 Rear flange cover diameter		49	55	72	89	109	109	134	158	173	212
L1 Non-rotating part, overall length (mm)	180°	168	175	230	258	301	308	376	410	468	598
	360°	230	251	320	360	417	434	546	610	670	874
L2 Distance from shaft end to mounting surface		57	67	89	119	120	120	152	167	227	227
L3 Length from shaft end face to step surface		50	60	80	110	110	110	140	150	210	210
L4 Length of step surface		3	3	4	3	4	4	4	7	5	5
L5 Mounting flange thickness		14	16	19	30	31	31	37	39	42	54
L6 Flat key length		45	56	70	100	100	100	120	140	200	200
L7 Length from shaft end face to spline		2.5	2	5	5	5	5	10	5	5	5
L8 Distance of flat keys on both sides		28	34	41	48	63	63	79	90	112	134
H1 Height from center line to valve top		72	77	74	82	99	113	130	128	145	164
W Flat key width		8	8	10	12	16	16	20	22	28	32
A Uniform hole distribution		60°	60°	60°	45°	45°	45°	40°	40°	40°	30°
F1 Bolt circle diameter of shell flange		84	90	108	130	155	167	195	220	245	290
F2: number of mounting holes:		5	5	5	7	7	7	8	8	8	11
F3 Mounting-hole diameter of shell flange		9	9	9	11	13	18	18	18	22	22
oil outlet (P1, P2)		ISO-1179-1/BSPP 'G' series oil outlet, with a size of 1/8 to 1. See details in drawings.									

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.