

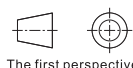
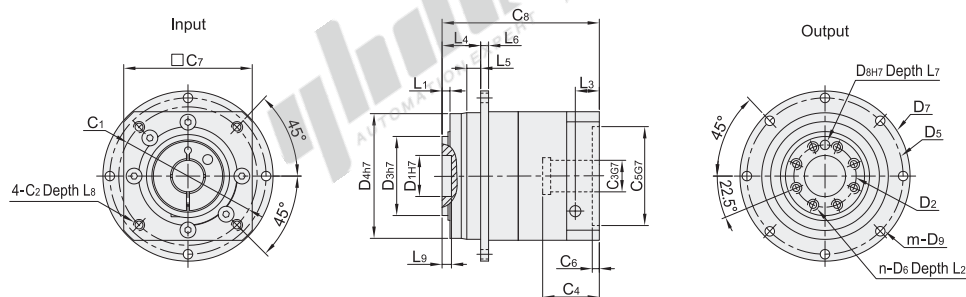
Precision Universal Planetary Reducers

◀ Helical Gear • Single Stage Round Flange

Code	Type	Applicable Motor
JLD02	Helical Gear Single Stage	Servo Motor/Stepper Motor

Feature:

- Helical gear transmission, carburizing and quenching treatment, gear profile modification treatment, to ensure low noise and smooth operation. The bearing capacity is 20% higher than that of straight gear;
- Using integral output shaft and bearing support at both ends of planetary wheel to achieve high precision and strength;
- The backlash clearance is small, it can achieve less than 3 arcmin.



Part Number		Reduction Ratio	Applicable Motor Brand	Applicable Motor Power
Code	Flange Size			
JLD02	64	3 4 5 7 10	P (Panasonic) M (Mitsubishi) S (Sanyo) Y (Yaskawa) Z (Other)	200W/400W Servo Motor/57 Stepper Motor
	90			750W Servo Motor/86 Stepper Motor
	110			1.0KW/1.5KW Servo Motor/110/130 Stepper Motor
	140			2.0~4.5KW 130 Servo Motor/180 Servo Motor

Size Chart

Flange Size	D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	C1	C2	C3	C4	C5	C6	C7	C8	n	m
64	20	31.5	40	64	79	M5	86	4	4.5	4	10	10.5	19.5	7	4	4	8	4	70	M4	14	33	50	5	65	79.5	8	8
90	31.5	50	63	90	109	M6	118	5	5.5	7	12	14	30	10	7	5	10	6	90	M5	19	50	70	6	90	115.5	15	8
110	40	63	80	110	135	M6	145	6	6.6	7.5	16	22	29	14	8	6	16	7	115	M8	22	62.5	95	8	130	136	15	12
140	50	80	100	140	168	M8	179	8	6.6	7.5	16	20	38	14	10	8	10	10	115	M8	22	67.5	95	8	115	161	12	12



Part Number	Reduction Ratio	Applicable Motor Brand
JLD02	3 4 5 7 10	P M S Y Z

JLD02—64—3—P



Discount price
Per 1~5 6~
Price 100% Additional quotation



Delivery
8

Reducer Performance Table

Specification	Unit	Reduction Ratio	Flange Size			
			64	90	110	140
Rated Output Torque	N-m	3	18	50	120	240
		4				
		5	27	75	180	360
		7				
		10	18	50	120	240
Emergency Stop Torque	N-m	3 Times Rated Output Torque				
Rated Input Speed	rpm		3000	3000	3000	2000
Maximum Input Speed	rpm		6000	6000	6000	3500
Maximum Radial Force	N		1500	3300	8500	9100
Maximum Axial Force	N		750	1700	4300	8200
Efficiency	%		97			
Average Lifetime	h		20000			
Weight	kg		1.4	3.7	8	16
Backlash	arcmin		≤3			
Operating Temperature	°C		-25~90			
Torsional Rigidity	N-m/arcmin		7	14	25	50
Noise Value	dB		60	62	62	68
Lubrication	—		Synthetic Grease Lubrication			
IP Rating	—		IP65			

Moment of Inertia of Reducer

Specification	Unit	Reduction Ratio	Flange Size			
			64	90	110	140
Moment of Inertia	kg·cm ²	3	0.16	0.61	3.25	12.31
		4	0.14	0.48	2.74	7.54
		5			2.71	7.42
		7	0.13	0.47	2.62	7.25
		10		0.44	2.57	7.14