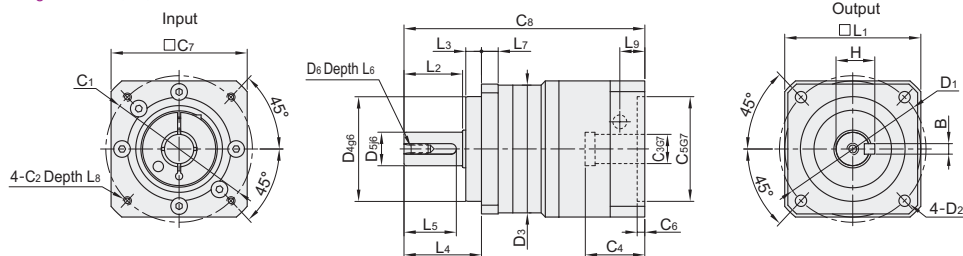


Code	Type	Applicable Motor
JLD01	Helical Gear Single Stage	Servo Motor/Stepper Motor

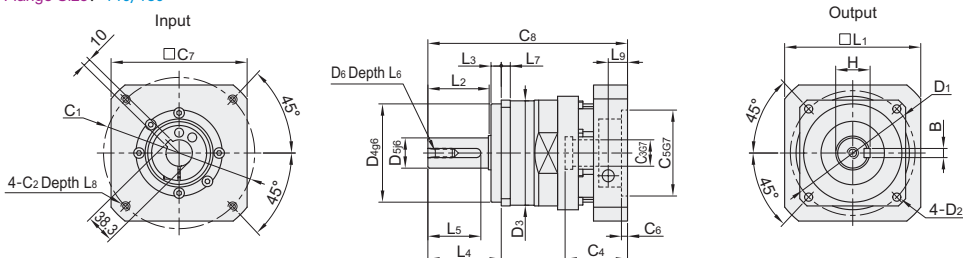
Feature:

- 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.

Flange Size: 60/90/115



Flange Size: 140/180



The first perspective

Part Number	Flange Size	Reduction Ratio	Applicable Motor Brand	Applicable Motor Power
JLD01	60		P (Panasonic)	200W/400W Servo Motor/57 Stepper Motor
	90		M (Mitsubishi)	750W Servo Motor/86 Stepper Motor
	115	3 4 5 7 10	S (Sanyo)	1.0KW/1.5KW Servo Motor/110/130 Stepper Motor
	140		Y (Yaskawa)	2.0~4.5KW 130 Servo Motor/180 Servo Motor
	180		Z (Other)	4.5~7.5KW 180 Servo Motor



Part Number	Flange Size	Reduction Ratio	Applicable Motor Brand
JLD01	60	3 4 5 7 10	P M S Y Z

JLD01-60-3-P



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

Delivery	8
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Size Chart

Flange Size	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8	L9	C1	C2	C3	C4	C5	C6	C7	C8	B	H
60	70	5.5	61	50	16	M5	62	28	7.5	37	25	10	8	8	10.5	70	M4	14	33	50	5	65	115	5	18
90	100	6.5	88	80	22	M8	90	36	10.5	48	33	16	12	10	13.5	90	M5	19	50	70	6	90	148	6	24.5
115	130	9	115	110	32	M12	115	58	5.5	65	50	25	15	16	25	145	M8	22	65.5	110		130	197	10	35
140	165	11	138	130	40	M16	140	82	13.5	97	70	35	12								8	180	264	12	43
180	215	13.5	180	160	55	M20	180		21.5	105	75	40	16.5	24	25.5	200	M12	35	82.5	114.3			286.5	16	59

Reducer Performance Table

Specification	Unit	Reduction Ratio	Flange Size				
Rated Output Torque	N-m	3	60	90	115	140	180
		4	18	50	120	240	600
		5	27	75	180	360	750
		7					
		10	18	50	120	240	500
Emergency Stop Torque	N-m	3 Times Rated Output Torque					
Rated Input Speed	rpm		3000	3000	3000	2000	1500
Maximum Input Speed	rpm	—	6000	6000	6000	3500	3000
Maximum Radial Force	N		1200	2400	4300	9100	15000
Maximum Axial Force	N		1100	2200	3900	8200	14000
Efficiency	%		97				
Average Lifetime	h		20000				
Weight	kg	—	1.4	3.7	8	16	36
Backlash	arcmin		≤3				
Operating Temperature	°C		-25~90				
Torsional Rigidity	N-m/arcmin	—	7	14	25	50	145
Noise Value	dB	—	60	62	62	68	70
Lubrication	—		Synthetic Grease Lubrication				
IP Rating	—		IP65				

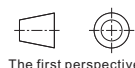
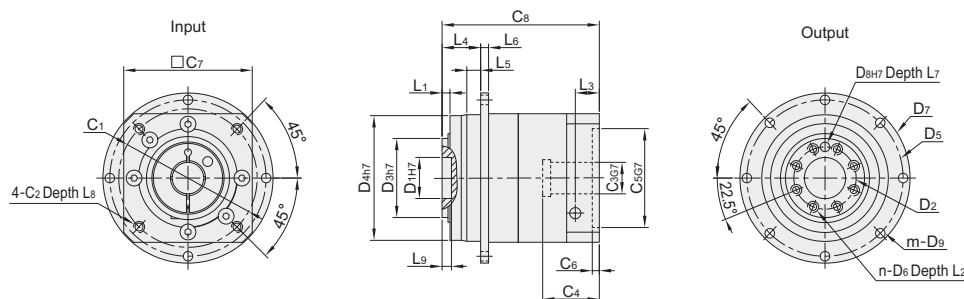
Moment of Inertia of Reducer

Specification	Unit	Reduction Ratio	60	90	115	140	180
Moment of Inertia	kg-cm ²	3	0.16	0.61	3.25	12.31	28.98
		4	0.14	0.48	2.74	7.54	23.67
		5			2.71	7.42	22.75
		7	0.13	0.47	2.62	7.25	22.48
		10		0.44	2.57	7.14	22.55

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	8	8
110	40	63	80	110	135	M6	145	6	6.6	7.5	16	22	29	8	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	16	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



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

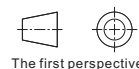
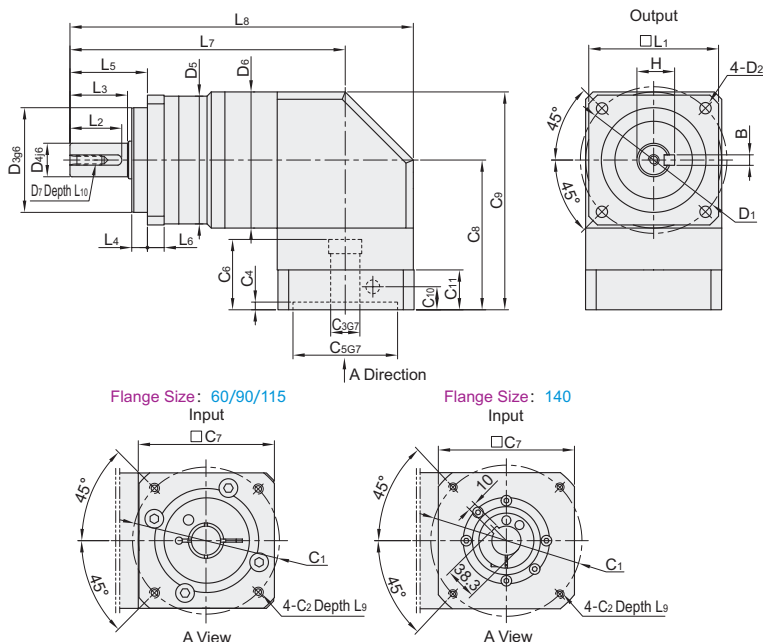
Specification	Unit	Reduction Ratio	Flange Size			
			64	90	110	140
Moment of Inertia	kg·cm ²	3	0.16	0.61	3.25	12.31
		4	0.14	0.48	2.74	7.54
		5			2.71	7.42
		7	0.13	0.47	2.62	7.25
		10		0.44	2.57	7.14



Code	Type	Applicable Motor
JLD03	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		
JLD03	60	P (Panasonic)	200W/400W Servo Motor/57 Stepper Motor
	90	M (Mitsubishi)	750W Servo Motor/86 Stepper Motor
	115	S (Sanyo)	1.0KW/1.5KW Servo Motor/110/130 Stepper Motor
	140	Y (Yaskawa)	2.0~4.5KW 130 Servo Motor/180 Servo Motor
		Z (Other)	



Part Number	Flange Size	Reduction Ratio	Applicable Motor Brand
Code	Flange Size	Reduction Ratio	Applicable Motor Brand
JLD03	60	3 4 5 7 10	P M S Y Z
	90		
JLD03—60—3—P			
Per	1~5	6~	
Price	100%	Additional quotation	
			Delivery
			8

Size Chart

Flange Size	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	B	H
60	70	5.5	50	16	61	65	M5	62	25	28	7.5	37	8	131.5	164	8	10	70	M4	14	5	50	32	65	71.5	104	10.8	19	5	18
90	100	6.5	80	22	90	93	M8	90	33	36	10.5	48	12	168.5	215	10	16	90	M5	19	6	70	42	90	91.5	138	13	21	6	24.5
115	130	9	110	32	115	120	M12	115	50	58	5.5	65	15	215.5	280.5	16	25	145	M8	22	8	110	60	130	122	182	24.5	34	10	35
140	165	11	130	40	138	150	M16	140	70	82	13.5	97	12	281	371	24	35	200	M12	35	8	114.3	82.5	180	159	234	—	45	12	43

Reducer Performance Table

Specification	Unit	Reduction Ratio	Flange Size			
			60	90	115	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	—	1200	2400	4300	9100
Maximum Axial Force	N	—	1100	2200	3900	8200
Efficiency	%		97			
Average Lifetime	h		20000			
Weight	kg	—	1.4	3.7	8	16
Backlash	arcmin		≤5			
Operating Temperature	°C		-25~90			
Torsional Rigidity	N·m/arcmin	—	7	14	25	50
Noise Value	dB	—	65	65	70	75
Lubrication	—		Synthetic Grease Lubrication			
IP Rating	—		IP65			

Moment of Inertia of Reducer

Specification	Unit	Reduction Ratio	Flange Size			
			60	90	115	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