



Leader Harmonious Drive Systems Co.,Ltd  
TEL :0086- 512-66362298/66560692  
FAX :0086- 512-66362325  
E-mail : sales@leaderdrive.com  
Add : No. 19 Muxu west Road,Mudu,Suzhou,P.R.China  
Postal Code : 215101  
<http://www.leaderdrive.com>

NO. LD2019-1 Y

Leaderdrive®

leaderdrive®

苏州绿的谐波传动科技股份有限公司

Leader Harmonious Drive Systems Co.,Ltd

LCD Ultra-Flat Cup-Shaped Flexspline Strain Wave Gear  
Product Introduction Manual



## LCD series



With a flexible gear in ultra-thin cup-shaped structure, LCD series are designed with an ultra-flat structure, with small volume and light weight, and are therefore can be used as the end joint of robot and client reducer.

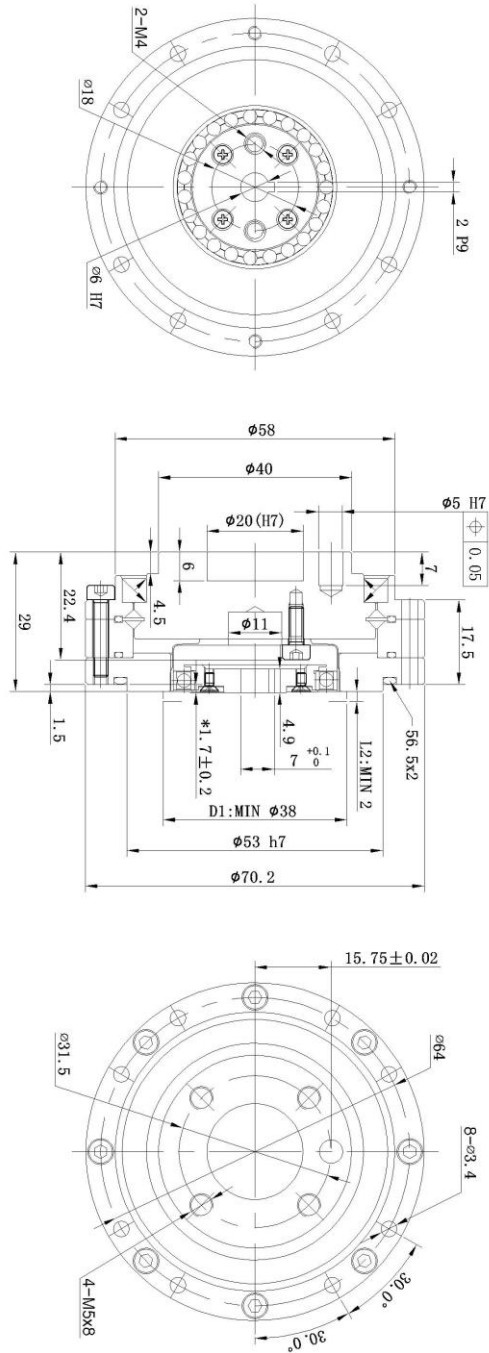
### Parameter Table

Item Model No	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Momentary Torque	Maximum Input Speed	Allowable Average Input Speed	Back lash	Weight	Design Life
		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	Kg	Hour
14	50	3.5	11.4	4.6	23	8000	3500	≤20	0.56	9000
	80	5.1	15	6.2	29			≤20		10000
	100	5.1	18	7.3	33			≤20		10000
17	50	10.4	22	17	46	7000	3500	≤20	0.48	9000
	80	14	29	21	54			≤20		10000
	100	15	35	26	67			≤20		10000
20	50	16	37	23	66	6000	3500	≤20	0.68	9000
	80	23	49	28	78			≤20		10000
	100	27	54	32	90			≤20		10000
25	50	26	66	36	121	5500	3500	≤20	1.3	9000
	80	42	91	62	157			≤20		10000
	100	45	104	71	175			≤20		10000
	120	45	111	71	187			≤20		10000
32	50	50	143	71	255	4500	3500	≤20	2.5	9000
	80	79	202	126	350			≤20		10000
	100	91	221	144	399			≤20		10000
	120	91	235	144	423			≤20		10000
40*	50	91	267	130	456	4000	3000	≤20	3.8	9000
	100	176	378	247	665			≤20		10000
	160	196	430	300	727			≤20		10000

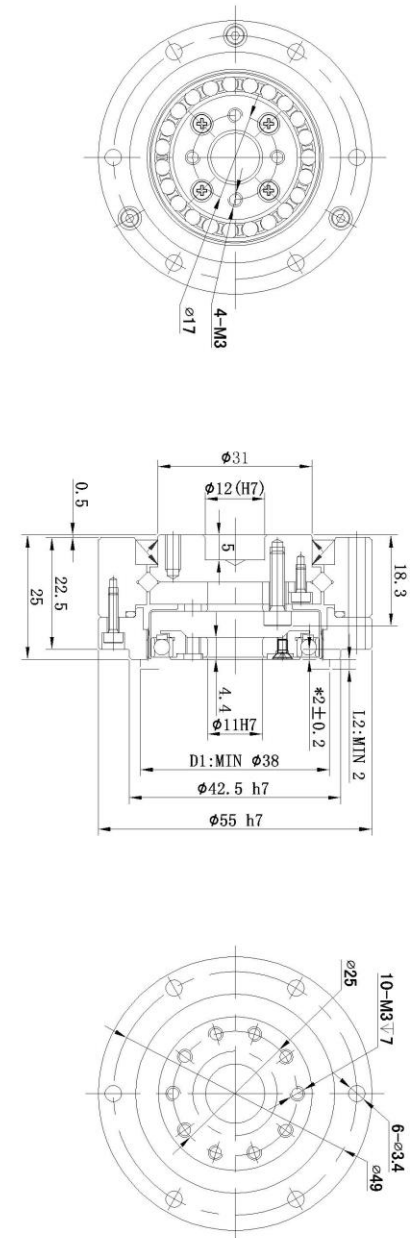
\* Consult factory

# LCD Series Drawings

LCD-14-XXX-C-I

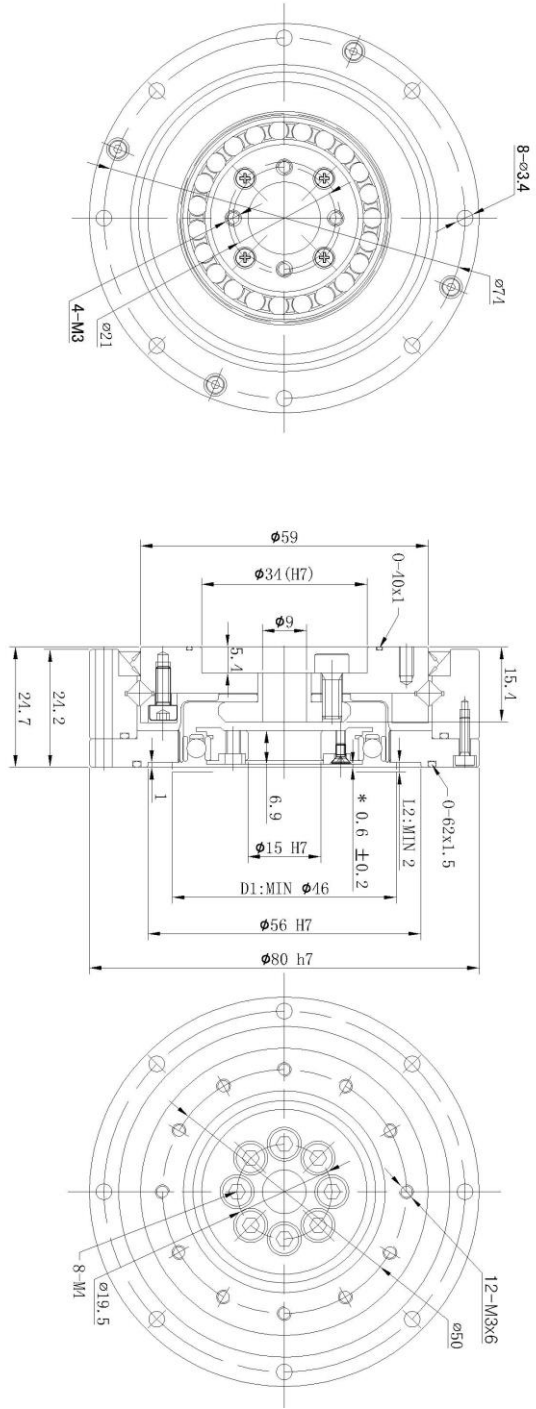


LCD-14-XXX-C-I-ST

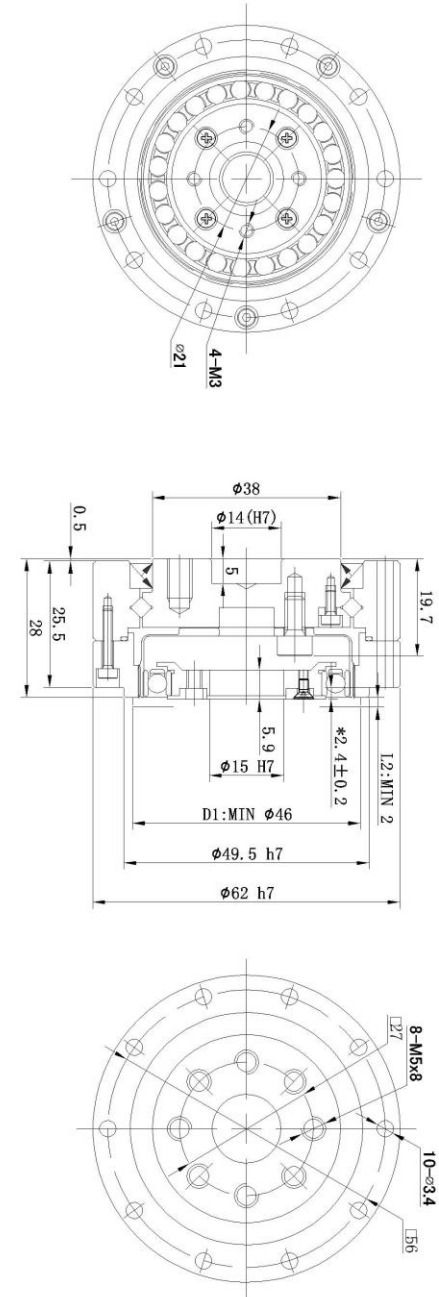


# LCD Series Drawings

LCD-17-XXX-C-I

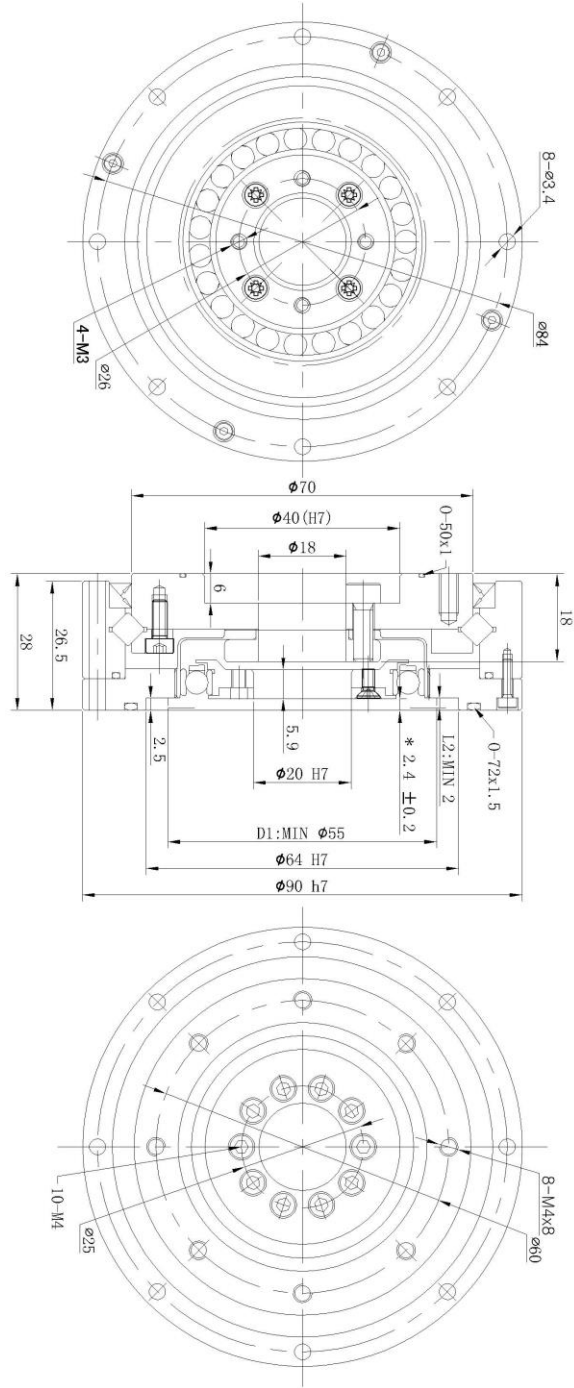


LCD-17-XXX-C-I-ST

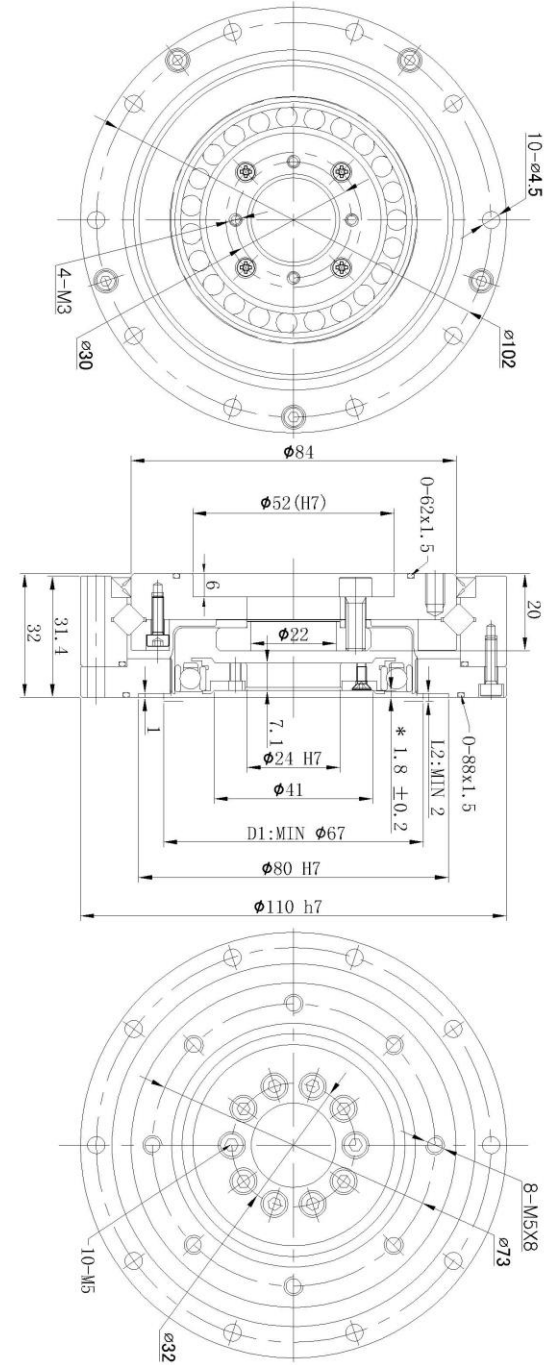


# LCD Series Drawings

LCD-20-XXX-C-I

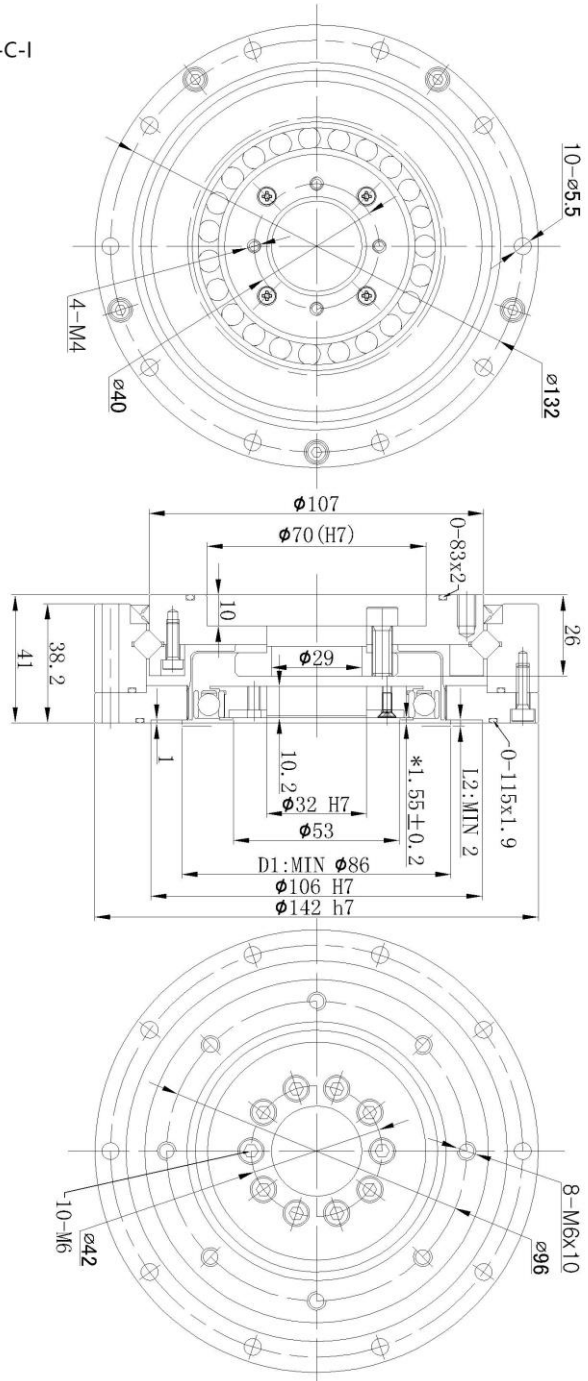


LCD-25-XXX-C-I

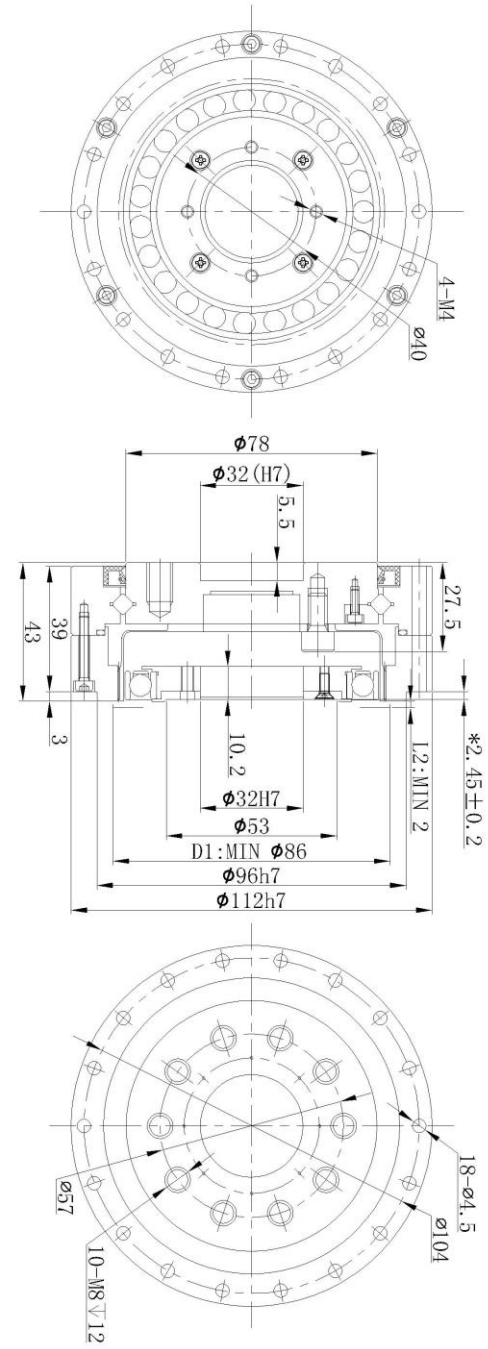


# LCD Series Drawings

LCD-32-XXX-C-I



LCD-32-XXX-C-I-ST



# LCD Series Drawings

LCD-40-XXX-C-I

