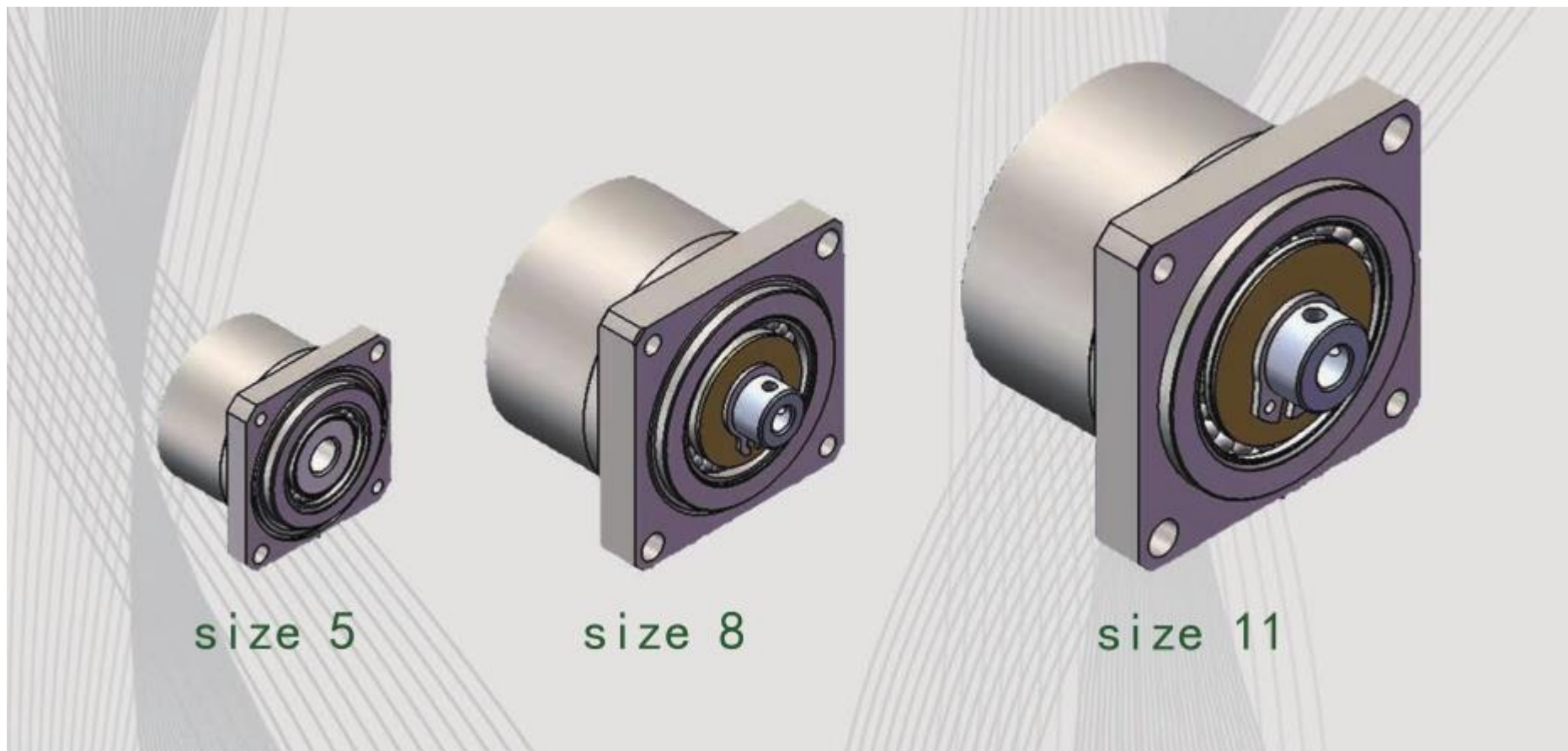




Contents about Mini-size strain wave gears (LCS series)

- Technical parameters
- Performance parameters
- Drawing of Size 5
- Drawing of Size 8
- Drawing of Size 11



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ИННОДРАЙВ
ТЕХНОЛОГИИ ИМЕЮТ ЗНАЧЕНИЕ



Technical parameters

Size	Reduction ratio	Rated Torque at 2000rpm/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Monmentary Torque	Allowable Maximum Input Speed	Allowable Average Input Speed
		N·m	N·m	N·m	N·m	r/min	r/min
5	50	0.4	0.9	0.53	1.8	10000	6500
	100	0.6	1.4	0.94	2.7		
8	50	1.8	3.3	2.3	6.6	8500	3500
	100	2.4	4.8	3.3	9		
11	50	3.5	8.3	5.5	17	8500	3500
	100	5.0	11	8.9	25		



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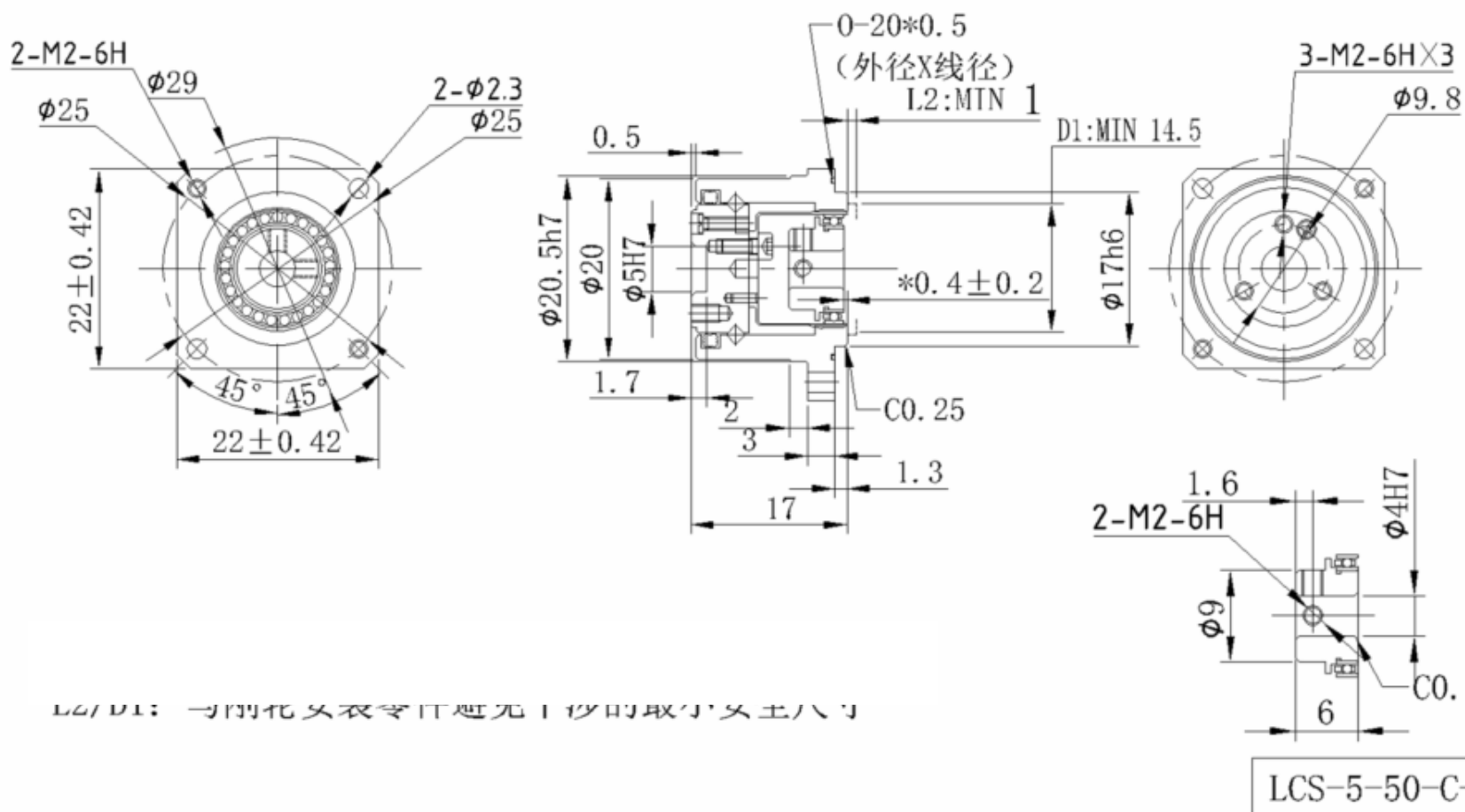
Performance parameters

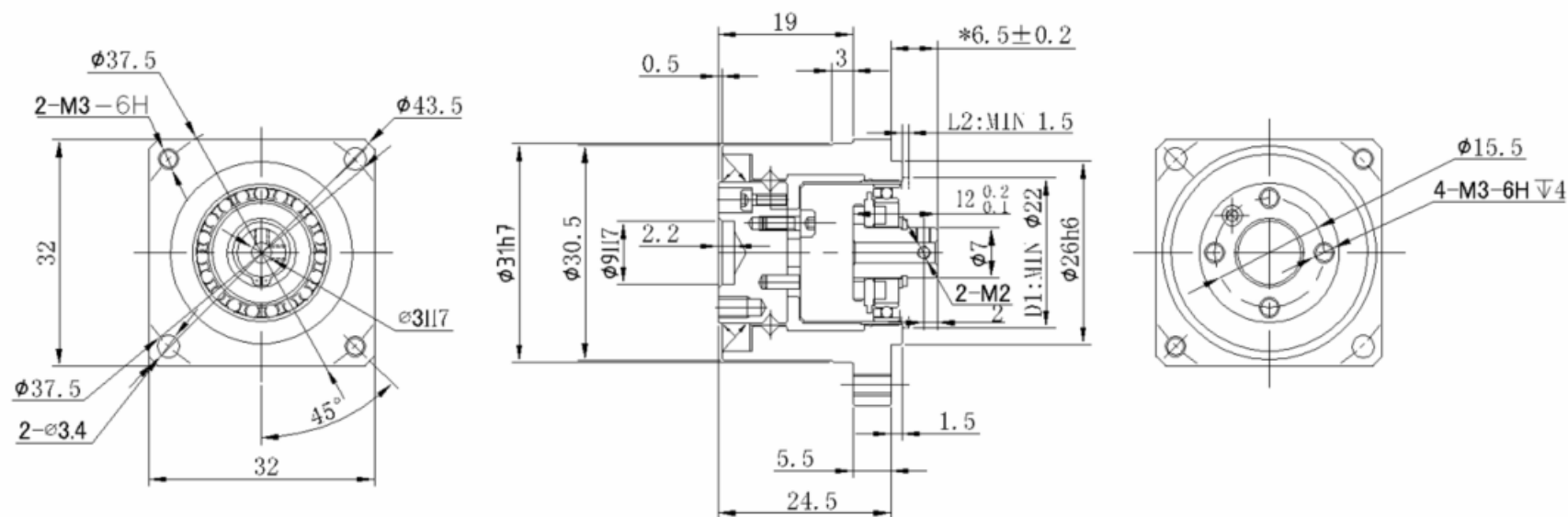
Item	Reduction ratio		Unit \ Size	5	8	11
Angle Transmission Accuracy	50 and above		arcsec	180	120	90
Hysteresis Loss	50		arcsec	180	120	120
	100		arcsec	180	120	120
Starting Torque	50		N·cm	0.40	0.80	2.00
	100		N·cm	0.30	0.59	1.50
Buckling Torque	Full speed ratio		N·m	9.8	35	90
Stiffness	50	K1	*10 ⁴ N·m/rad	0.011	0.039	0.177
		K2	*10 ⁴ N·m/rad	0.014	0.056	0.225
		K3	*10 ⁴ N·m/rad	0.017	0.067	0.236
	100	K1	*10 ⁴ N·m/rad	0.015	0.072	0.206
		K2	*10 ⁴ N·m/rad	0.018	0.080	0.243
		K3	*10 ⁴ N·m/rad	0.020	0.089	0.291



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