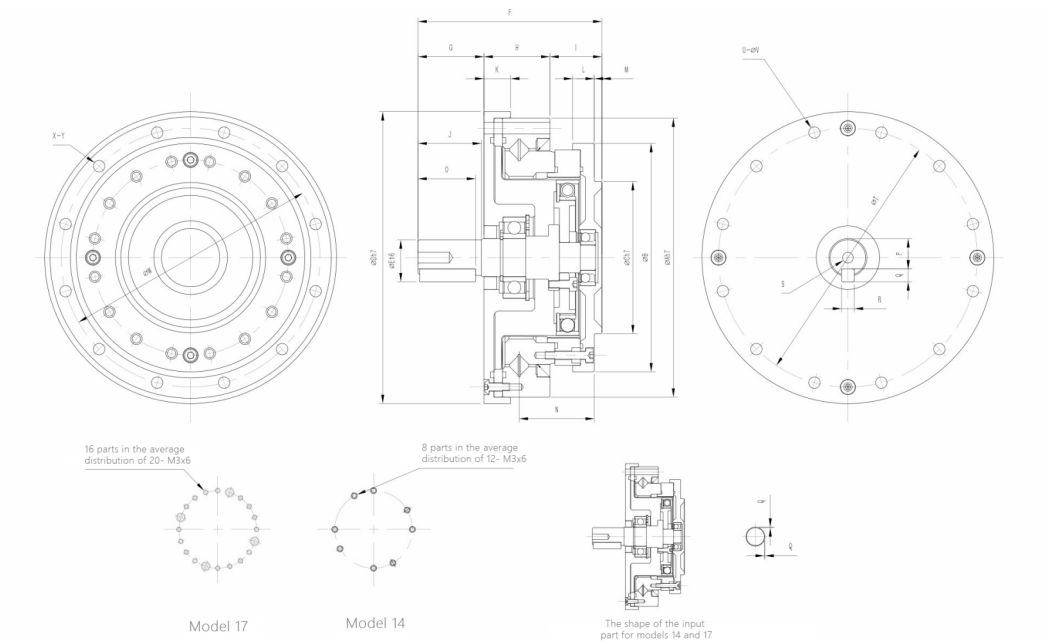
KMHG-G Harmonic Gearbox

The HMHG-G series flexspline adopts a hollow clamshell standard structure, allowing the input shaft to be directly mounted with a frameless motor. The low-speed shaft is hollow, allowing cables to pass through directly. Both the input and output ends can be equipped with encoders, making it highly suitable for use in collaborative robots and joint modules.

Feature

- Hollow cable passage, safe and reliable
- Save joint space
- No backlash
- Excellent positioning accuracy and rotational accuracy
- The motor and encoder have small runout in their installation positions

Overall Dimension Drawing



Weight

Model	14	17	20	25	32	40
Weight(kg)	0.66	0.94	1.38	2.1	4.4	7.3

Parameters

Model	reduction ratio	Input 2000r/min Rated torque at time	Maximum allowable torque for starting and stopping	Maximum allowable average load torque	Instantly allowing the mosthigh torque	Allow maximum inputhigh speed rotation	Allowable average loss Input speed	Back gap (arc sec)	transmission error (arc sec)
		Nm	Nm	Nm	Nm	r/min	r/min	⩽	⩽
14	50	7	23	9	46	8000	3500	20	90
	80	10	30	14	51			20	90
	100	10	36	14	70			10	90
	120	10	36	14	70			10	90
17	50	21	44	34	91	7000	3500	20	90
	80	29	56	35	113			20	90
	100	31	70	51	143			10	90
	120	31	70	51	112			10	90
20	50	33	73	44	127	6000	3500	20	60
	80	44	96	61	165			20	60
	100	52	107	64	191			10	60
	120	52	113	64	191			10	60
	160	52	120	64	191			10	60
25	50	51	127	72	242	5500	3500	20	60
	80	82	178	113	332			20	60
	100	87	204	140	369			10	60
	120	87	217	140	395			10	60
	160	87	229	140	408			10	60
32	50	99	281	140	497	4500	3500	20	60
	80	153	395	217	738			10	60
	100	178	433	281	841			10	60
	120	178	459	281	892			10	60
	160	178	484	281	892			10	60
40	50	178	523	255	892	4000	3000	10	60
	80	268	675	369	1270			10	60
	100	345	738	484	1400			10	60
	120	382	802	586	1530			10	60
	160	382	841	586	1530			10	60