

loodaddvo

苏州绿的谐波传动科技股份有限公司

Leader Harmonious Drive Systems Co.,Ltd

LHSG High-Torque Hollow-Shaft Flexspline Strain Wave Gear Product Introduction Manual



Parameter Table

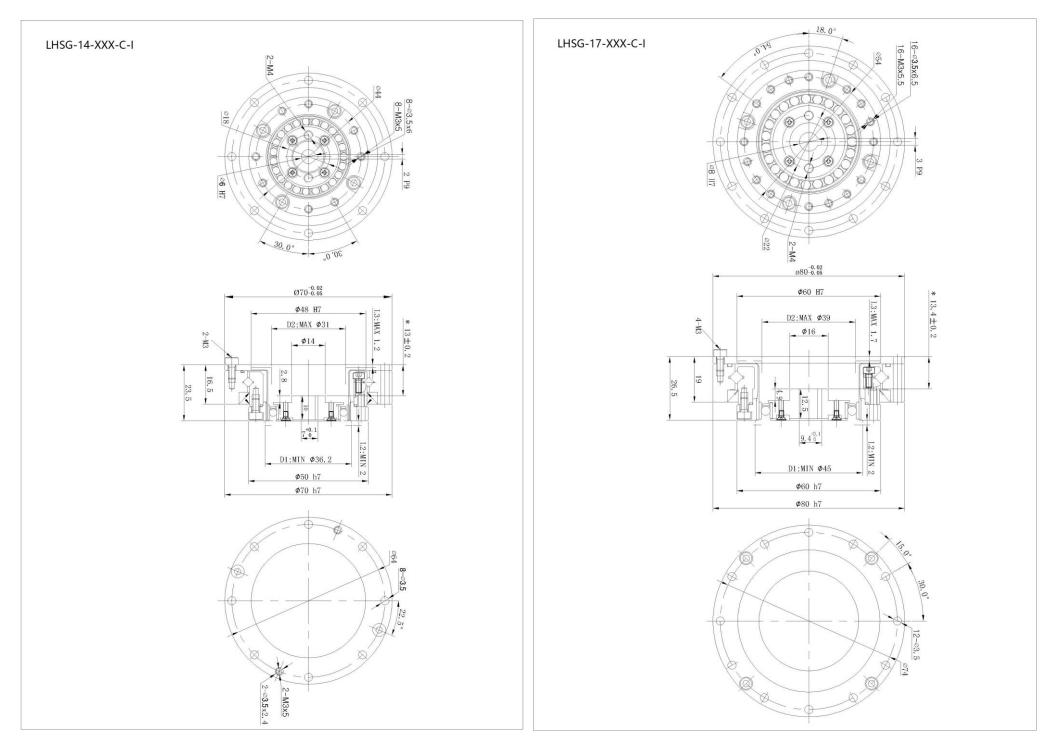
Item	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Momentary Torque	Maximum input Speed	Allowable Average Input Speed	Back lash	Welght	Desig Life
Model No		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	Kg	Hour
	50	6.6	23	8.6	43			≤10		10000
14	80	9.6	29	13.5	57	8000	3500	≤10	0.38	15000
	100	9.6	34	13.5	66			≤10		15000
	50	19.8	42	32	86			≤10		1000
17	80	27.5	53	33	108		-	≤10		1500
	100	30	66	49	134	7000	3500	≤10	0.56	1500
	120	30	66	49	107			≪10		1500
	50	32	69	42	121	-	-	≤10		1000
	80	42	91	58	158			≪10	0. 76	1500
20	100	50	102	61	182	6000	3500	≤10		1500
	120	50	108	61	182			≤10		1500
	160	50	113	61	182			≤10		1500
	50	48	121	68.5	230			≤10		1000
	80	78	169	107	315	5500 350		≤10		1500
25	100	84	194	133	351		3500	≤10	1.24	1500
	120	84	207	133	376			≤10		1500
	160	84	217	133	388			≤10		1500
	50	94	267	133	472		3500	≤10		1000
	80	146	376	206	702			≤10	2. 6	1500
32	100	169	411	267	800	4500		≤10		1500
	120	169	436	267	848			≤10		1500
	160	169	459	267	848			≤10		1500
	50	169	497	242	847			≤10		1000
	80	255	641	351	1210			≤10		1500
40	100	328	702	460	1334	4000	3000	≤10	5.0	1500
	120	363	762	557	1458	1		≤10		1500
	160	363	800	557	1458			≤10		1500
	80	459	1163	642	2297			≤10		1500
50*	100	580	1211	823	2545	3000	2500	≤10	9.5	1500
50.	120	654	1334	1005	2545	3000	2000	≤10		1500
	160	654	1458	1042	3025			≤10		1500
	80	678	1828	951	3026			≤10		1500
58*	100	860	1964	1309	3927	3000	2200	≤10	13.6	1500
00.	120	921	2124	1470	4113	3000	2200	≤10	10.0	1500
	160	921	2722	1494	4236			≤10		1500

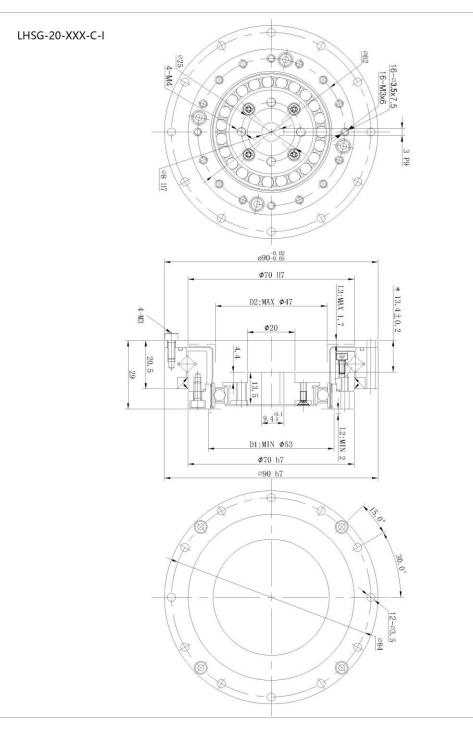
LHSG-I series

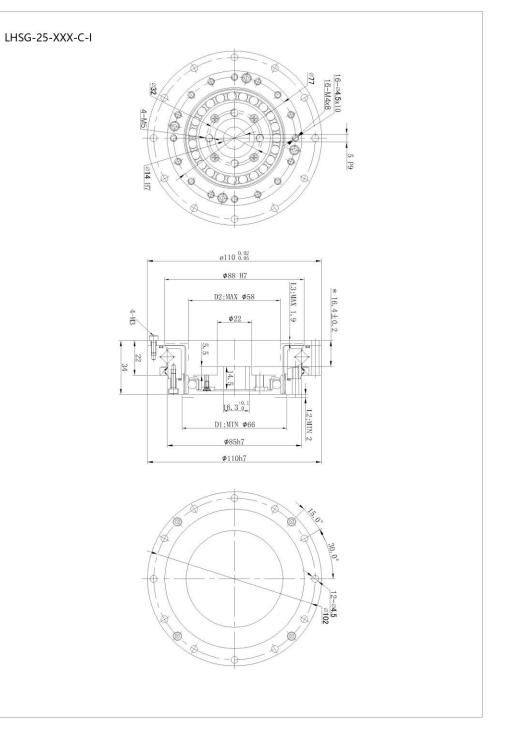


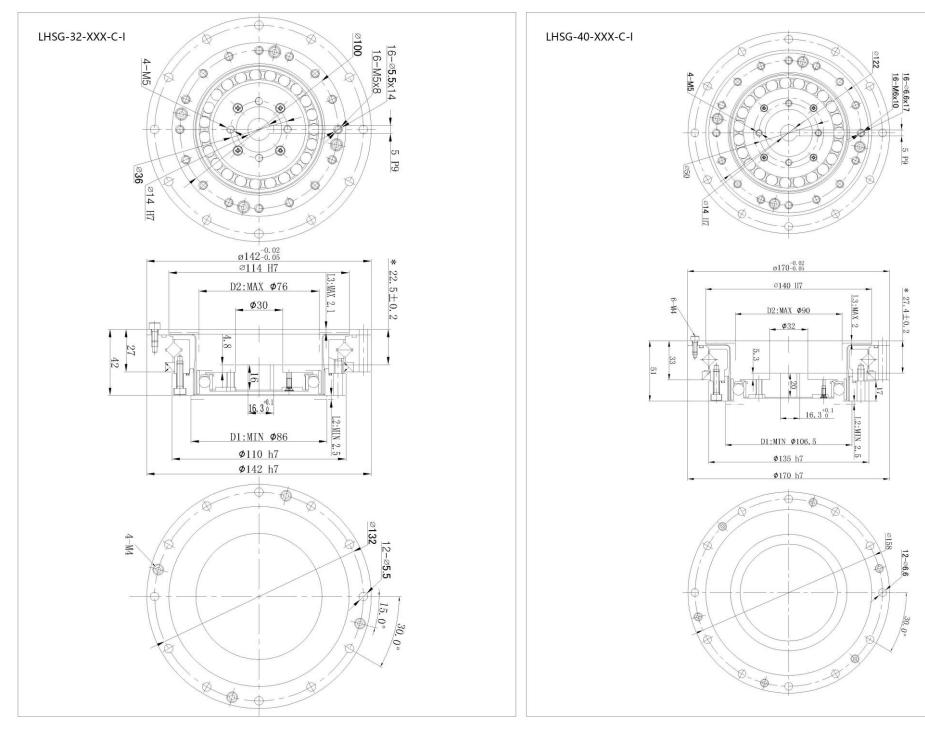
LHSG-I series are high-torque models which have the same structure, with LHS-I series. However, their torque bearing capacity is improved by 30% compared with LHS series.

* Consult factory









Parameter Table

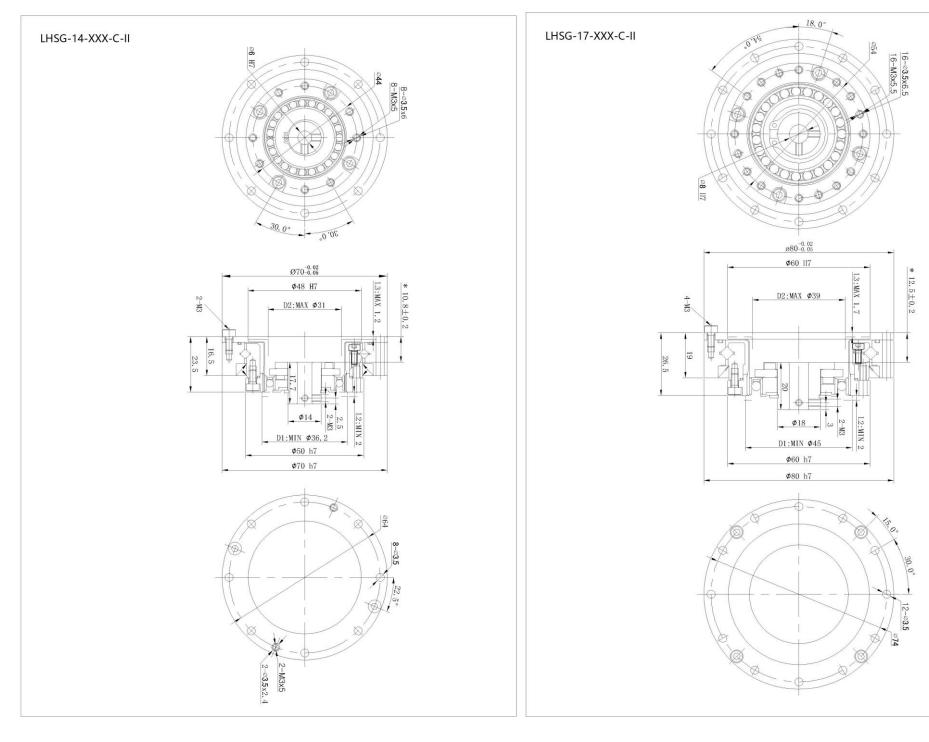
Item	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Momentary Torque	Maximum Input Speed	Allowable Average Input Speed	Back lash	Weight	Desigr Life
Model No		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	Kg	Hour
	50	6.6	23	8.6	43			≤20		10000
14	80	9.6	29	13.5	57	8000	3500	≤20	0.38	15000
	100	9.6	34	13.5	66			≤20		15000
	50	19.8	42	32	86			≤20		10000
17	80	27.5	53	33	108	7000	3500	≤20	0.56	15000
	100	30	66	49	134	1000	3000	≪20	0.30	15000
	120	30	66	49	107			≤20		15000
	50	32	69	42	121			≤20		10000
	80	42	91	58	158			≪20	1	15000
20	100	50	102	61	182	6000	3500	≤20	0.76	15000
	120	50	108	61	182			≪20		15000
	160	50	113	61	182			≤20		15000
	50	48	121	68.5	230			≤20	1. 24	10000
	80	78	169	107	315		3500	≪20		15000
25	100	84	194	133	351	5500		≤20		15000
	120	84	207	133	376			≤20		15000
	160	84	217	133	388			≤20		15000
	50	94	267	133	472			≤20	-	10000
	80	146	376	206	702		3500	≪20		15000
32	100	169	411	267	800	4500		≤20	2.6	15000
	120	169	436	267	848			≤20		15000
	160	169	459	267	848			≤20		15000
	50	169	497	242	847			≤20		10000
	80	255	641	351	1210			≤20		15000
40	100	328	702	460	1334	4000	3000	≤20	5.0	15000
	120	363	762	557	1458			≤20		15000
	160	363	800	557	1458			≤20		15000
	80	459	1163	642	2297			≪10		15000
50*	100	580	1211	823	2545	3000	2500	≪10	05	15000
	120	654	1334	1005	2545	3000	2500	≤10	7.0	15000
	160	654	1458	1042	3025			≤10	9.5	15000
	80	678	1828	951	3026			≤10		15000
58*	100	860	1964	1309	3927	3000	2200	≤10	13.6	15000
967	120	921	2124	1470	4113	3000	2200	≪10	13.0	15000
	160	921	2722	1494	4236			≤10		15000

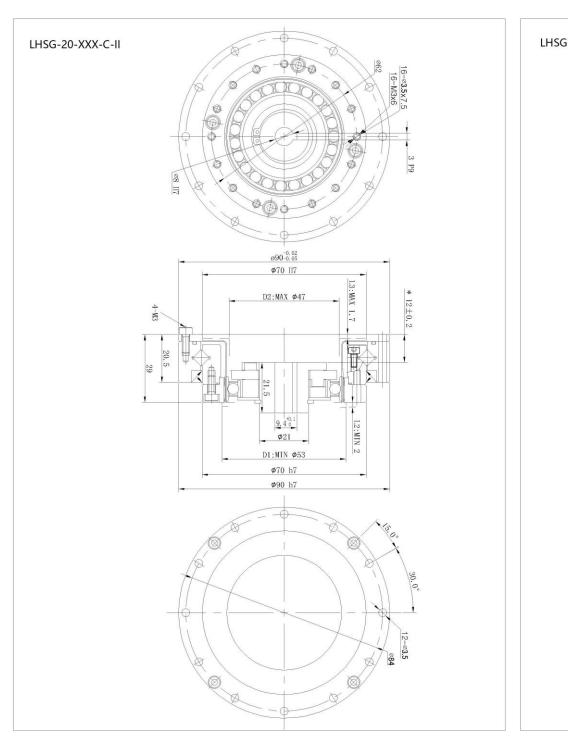
LHSG-II series

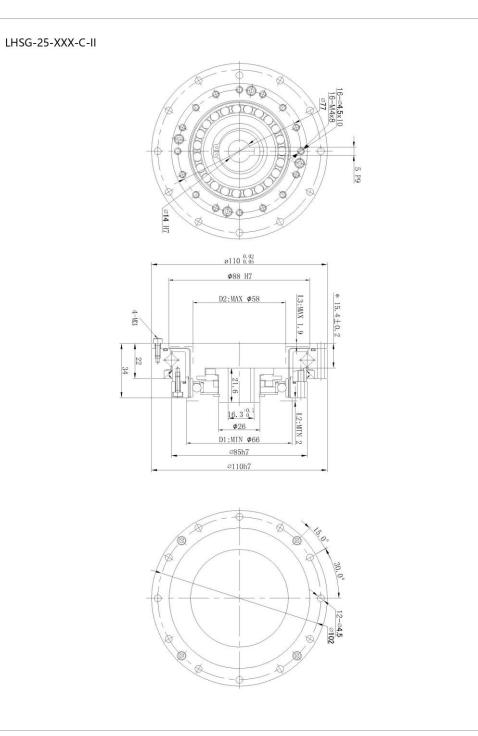


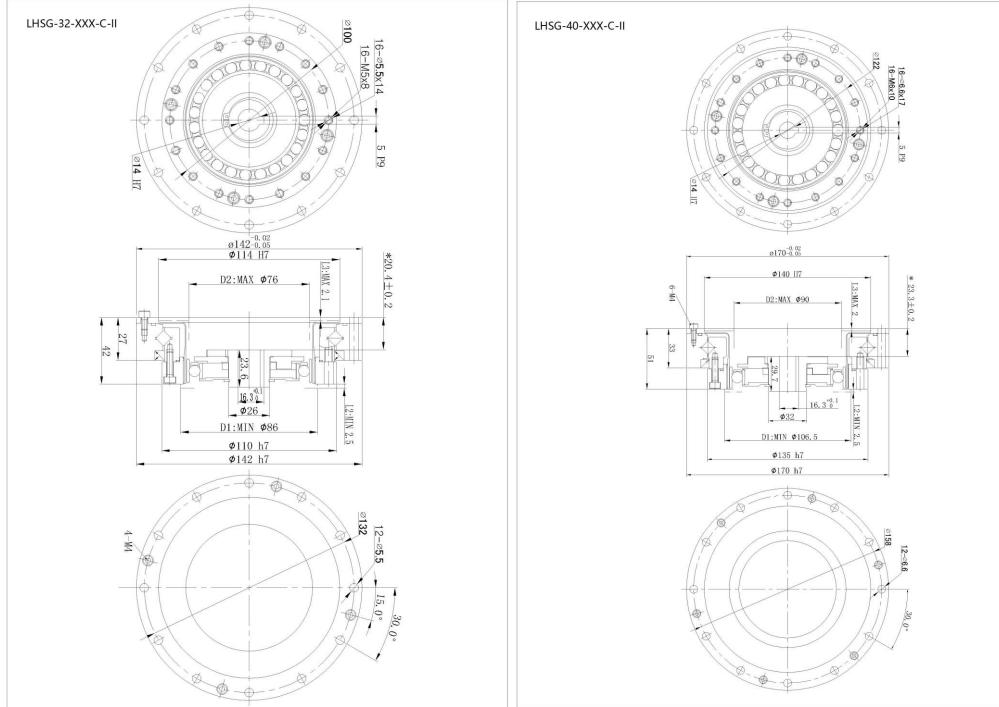
LHSG-II series are high-torque models which have the same structure, with LHS-II series. However, their torque bearing capacity is improved by 30% compared with LHS series.

* Consult factory









LHSG-III series

LHSG-III series

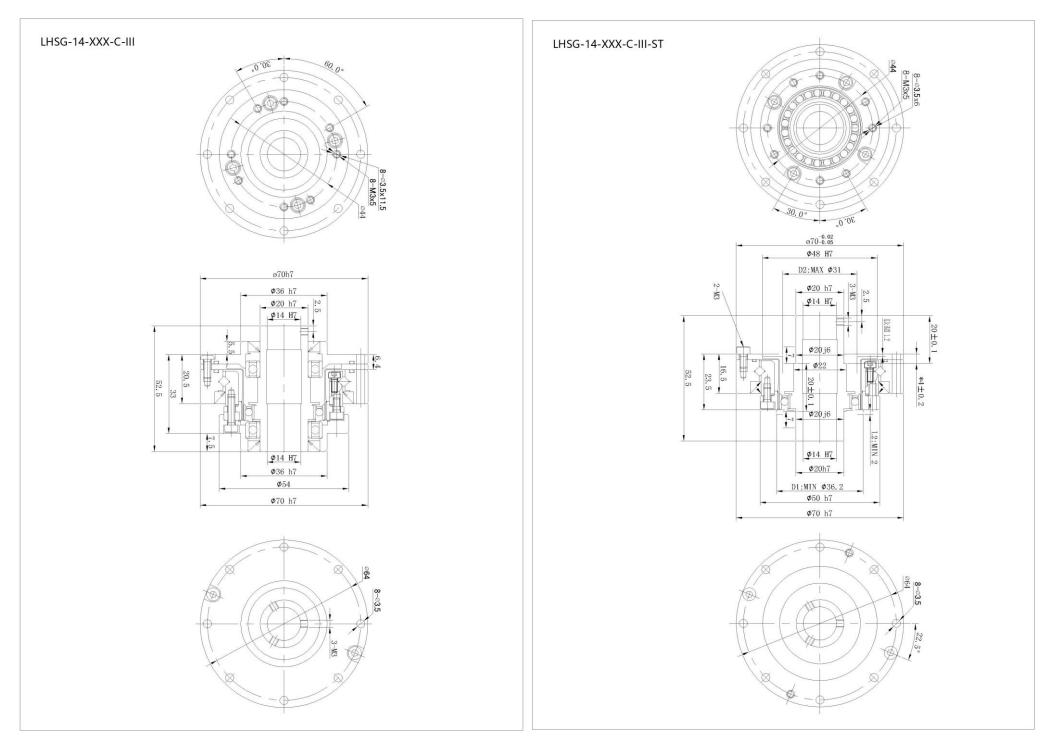


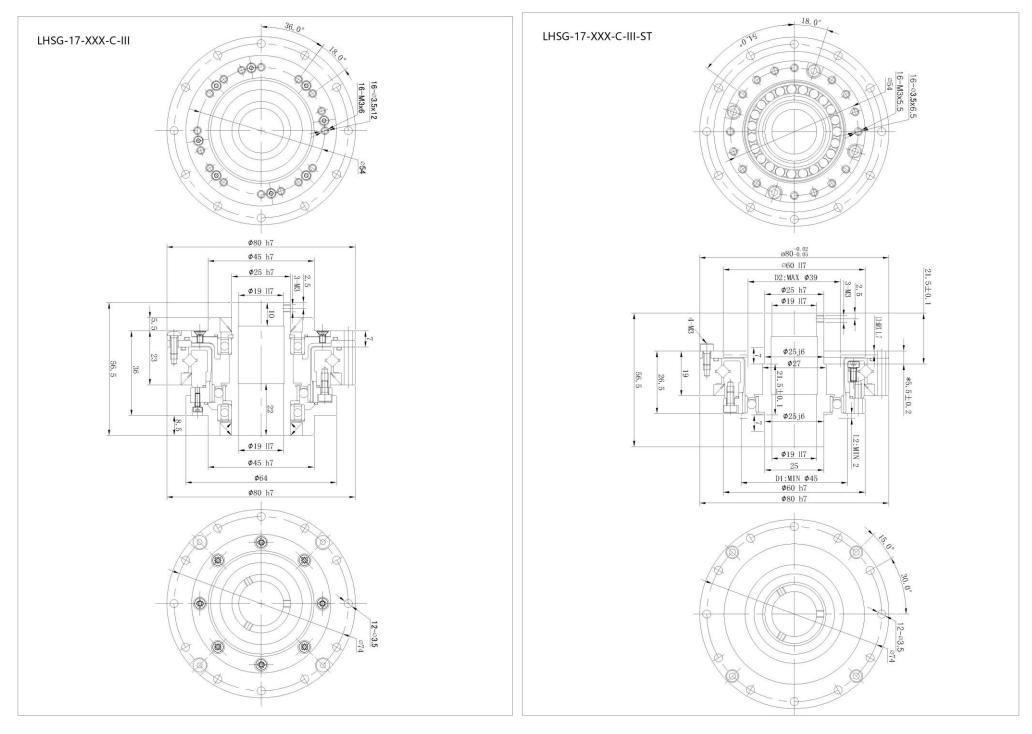
LHSG-III series are high-torque models which have the same structure, with LHS-III series. However, their torque bearing capacity is improved by 30% compared with LHS series.

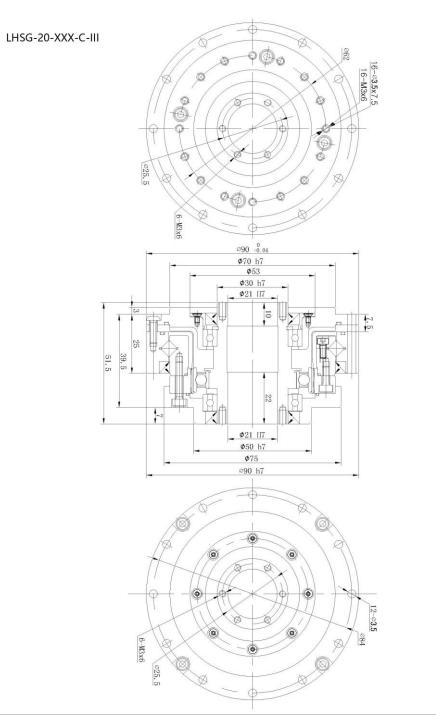
Parameter Table

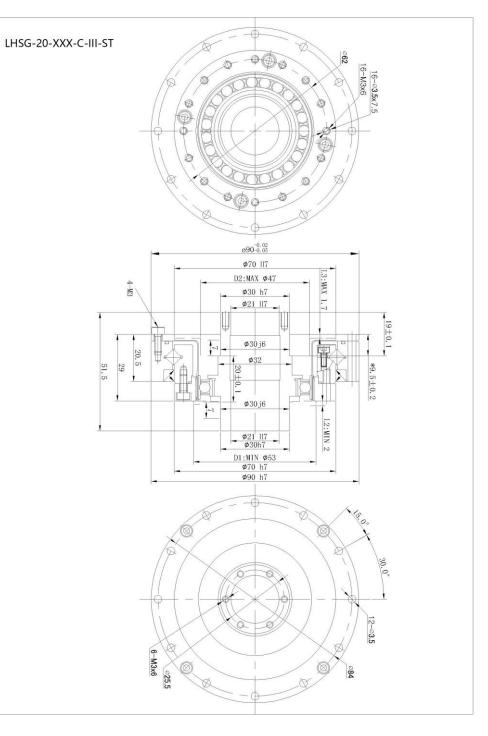
ltern	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Momentary Torque	Maximum Input Speed	Allowable Average Input Speed	Back lash	With MaxImum Tension	Weight	Design Life
Model No		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	N	Kg	Hour
-	50	6. 6	23	8. 6	43			≤20			10000
14	80	9.6	29	13.5	57	8000	3500	≤10	≤77	0. 72	15000
	100	9.6	34	13.5	66			≪10			15000
	50	19.8	42	32	86			≤20	· ·		10000
17	80	27.5	53	33	108	7000	3500	≤10	≤92	1.0	15000
	100	30	66	49	134			≤10			15000
	120	30	66	49	107			≤10	1		15000
	50	32	69	42	121			≤20			10000
	80	42	91	58	158			≤10			15000
20	100	50	102	61	182	6000	3500	≤10	≤136	1.38	15000
	120	50	108	61	182			≤10			15000
	160	50	113	61	182			≤10			15000
	50	48	121	68.5	230			≤20			10000
	80	78	169	107	315			≤10			15000
25	100	84	194	133	351	5500	3500	≤10	≤147	2.15	15000
	120	84	207	133	376			≤10			15000
	160	-84	217	133	388			≤10	1		15000
	50	94	267	133	472			≤20			10000
	80	146	376	206	702			≤10			15000
32	100	169	411	267	800	4500	3500	≤10	≤154	Kg 0. 72 1. 0	15000
1.01.00012	120	169	436	267	848	12112010102		≤10			
	160	169	459	267	848			≤10			15000
	50	169	497	242	847			≤10	N		10000
	80	255	641	351	1210			≤10			15000
40	100	328	702	460	1334	4000	3000	≤10	≤294	7.8	15000
	120	363	762	557	1458			≤10			15000
	160	363	800	557	1458			≤10			15000
	80	459	1163	641	2297			≤10			15000
50*	100	580	1211	823	2545	3000	2500	≤10	≤373	14.5	15000
30**	120	654	1334	1004	2545	3000	2000	≤10	~2010	14.0	15000
	160	654	1458	1041	3025			≤10	1		15000
	80	678	1828	951	3026			≤10			15000
ERM	100	860	1964	1309	3927	2000	2200	≤10	~1200	20.0	15000
58*	120	921	2124	1470	4113	3000	2200	≤10	≤1300	20.0	15000
	160	921	2272	1494	4236			≤10	1	0. 72 1. 0 1. 38 2. 15 4. 3 7. 8 14. 5	15000

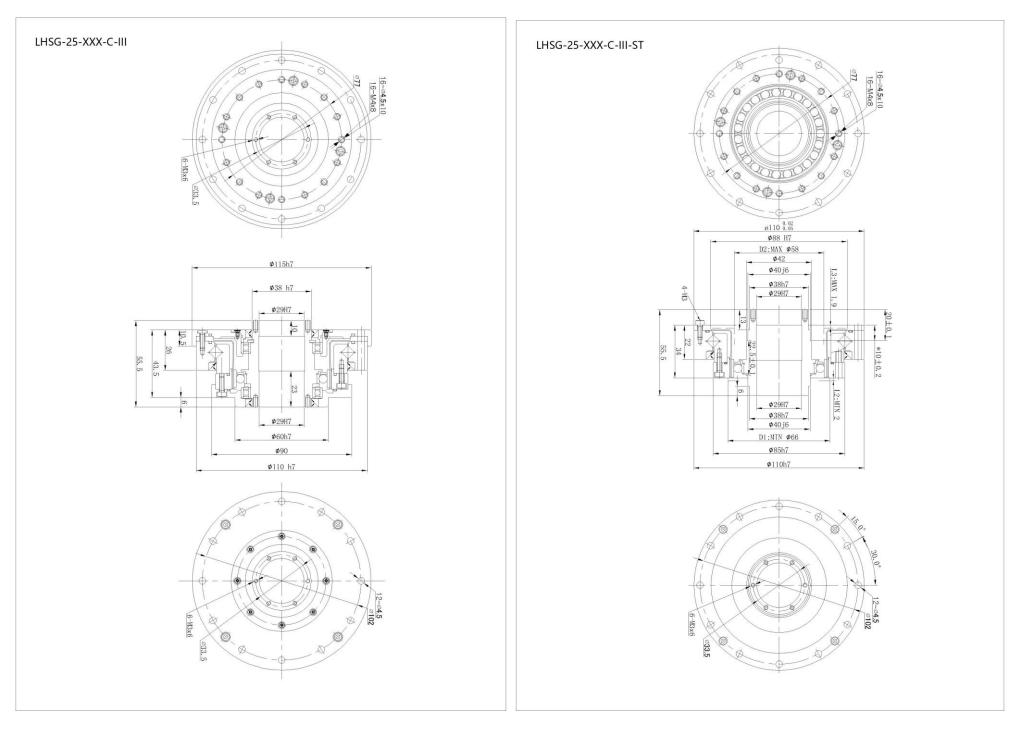


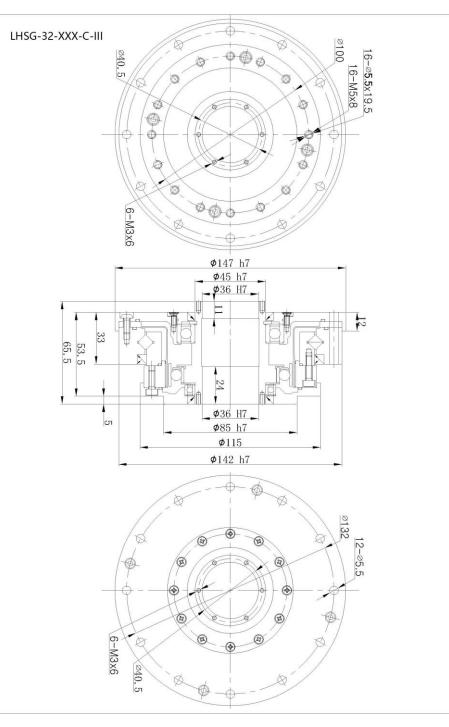


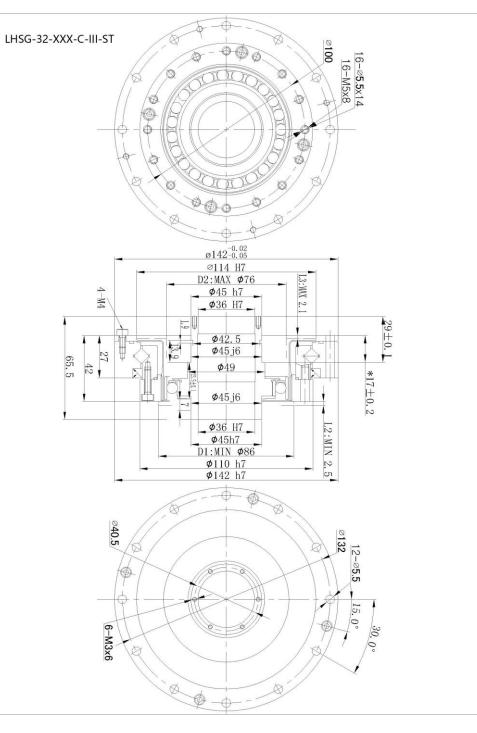


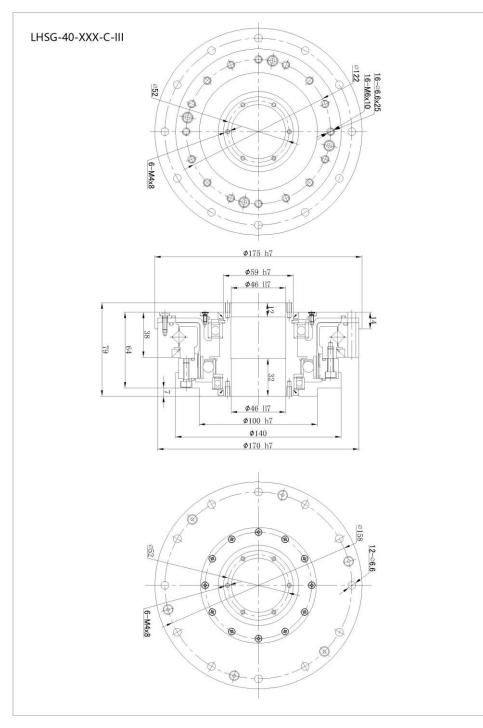


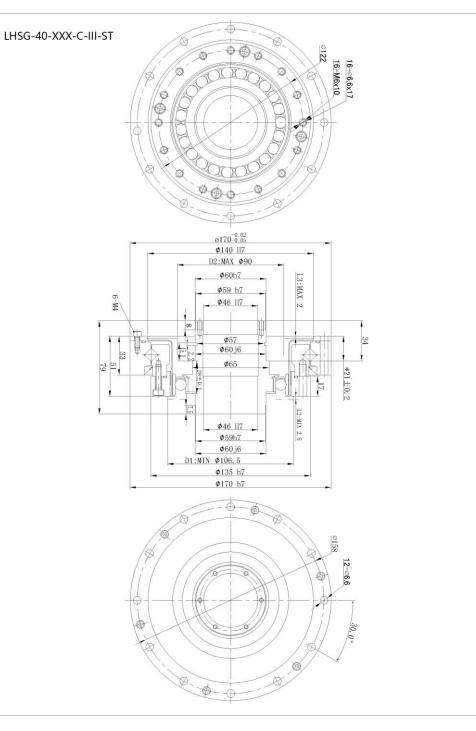




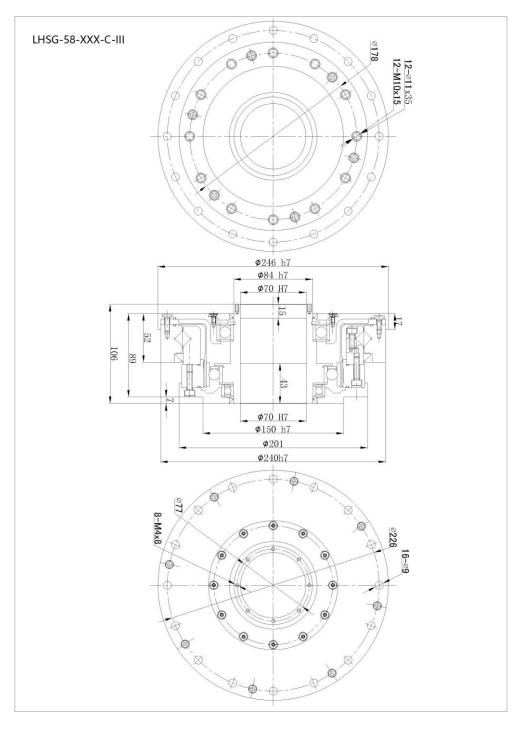








LHSG-III Series Drawings





LHSG-CL-III series

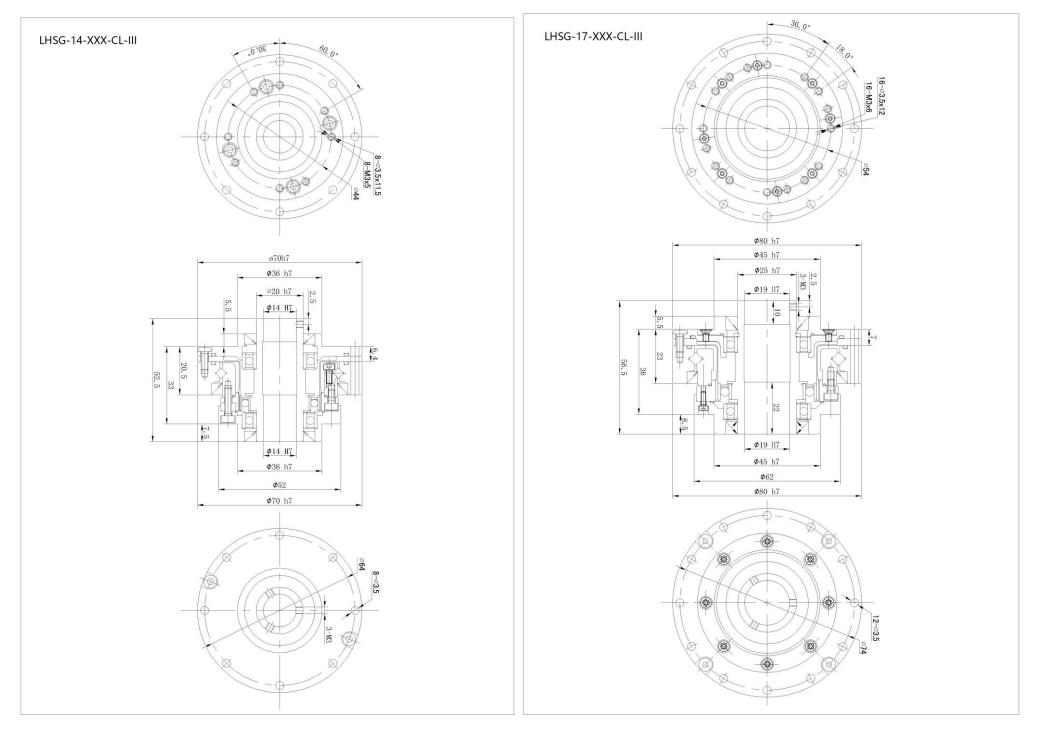


LHSG-CL-III series are high-torque models which have the same structure, with LHS-CL-III series. However, their torque bearing capacity is improved by 30% compared with LHS series.

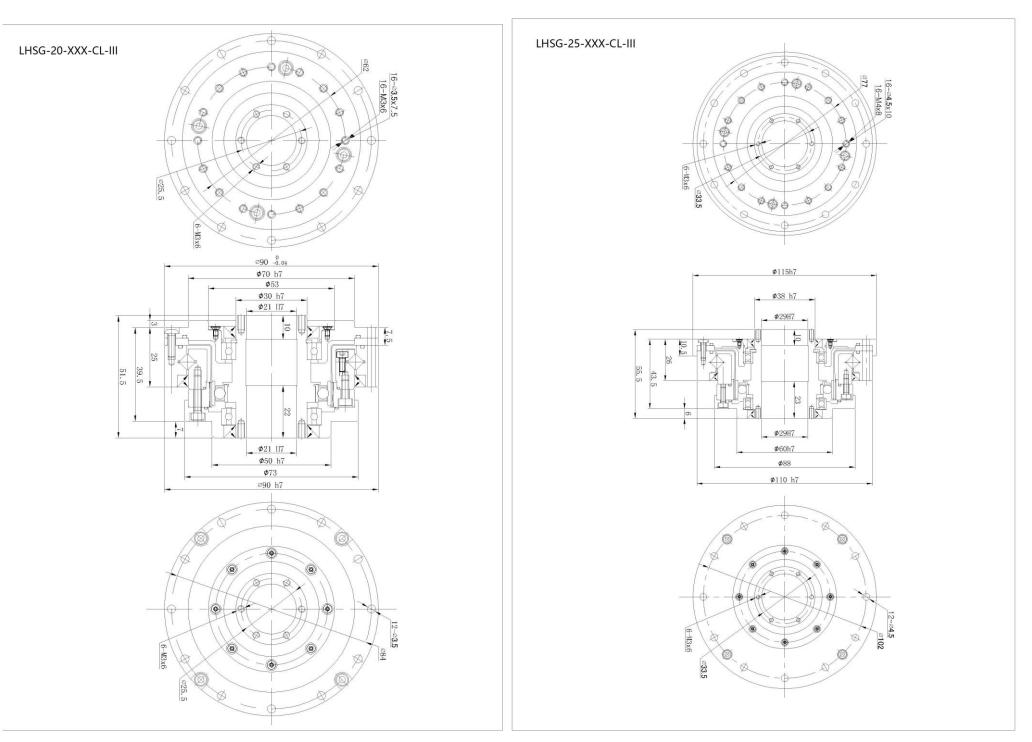
Parameter Table

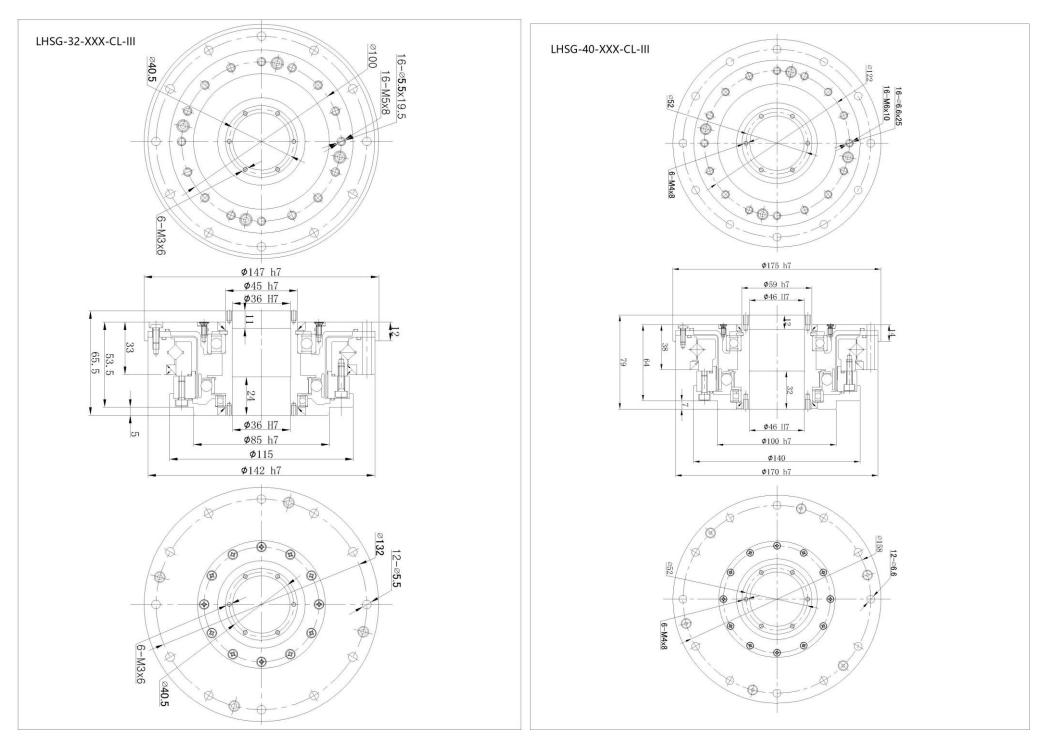
Item	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Allowable Average Torque	Allowable Maximum Momentary Torque	Maximum Input Speed	Allowable Average Input Speed	Back lash	With Maximum Tension	Weight	Design Life
Model No		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	N	Weight Kg 0.56 0.80 1.09 1.70 3.50 6.35 12.0 16.5	Hour
	50	6.6	23	8.6	43			≤10			10000
14	80	9.6	29	13.5	57	8000	3500	≪10	≤77	0.56	15000
	100	9.6	34	13.5	66			≪10			15000
	50	19.8	42	32	86			≤10			10000
17	80	27.5	53	33	108	7000	3500	≤10	≤92	0.00	15000
11-	100	30	66	49	134	7000	3000	≤10	=¥2	0.80	15000
	120	30	66	49	107			≤10			15000
	50	32	69	42	121			≤10			10000
	80	42	91	58	158			≤10			15000
20	100	50	102	61	182	6000	3500	≤10	≤136	1.09	15000
	120	50	108	61	182			≤10			15000
	160	50	113	61	182	1		≪10			15000
	50	48	121	68.5	230			≤10			10000
	80	78	169	107	315	1		≤10	1		15000
25	100	84	194	133	351	5500	3500	≤10	≤147	1.70	15000
	120	84	207	133	376	- 179931-018		≤10	10121010		15000
	160	84	217	133	388			≤10			15000
	50	94	267	133	472	· · · · · · · · · · · · · · · · · · ·		≤10			10000
	80	146	376	206	702			≤10			15000
32	100	169	411	267	800	4500	3500	≤10	≤154	3.50	15000
	120	169	436	267	848			≤10			15000
	160	169	459	267	848			≤10			15000
	50	169	497	242	847			≤10			10000
	80	255	641	351	1210			≪10			15000
40	100	328	702	460	1334	4000	3000	≤10	≤294	6. 35	15000
	120	363	762	557	1458			≤10			15000
	160	363	800	557	1458			≤10			15000
	80	459	1163	641	2297			≤10			15000
	100	580	1211	823	2545		0500	≪10	~070	10.0	15000
50*	120	654	1334	1004	2545	3000	2500	≤10	≤373	12.0	15000
	160	654	1458	1041	3025	1		≪10	1		15000
	80	678	1828	951	3026			≪10			15000
100000	100	860	1964	1309	3927	0000	2200	≤10	≤1300	14.5	15000
58*	120	921	2124	1470	4113	3000	2200	≪10	≈1300	10.5	15000
	160	921	2272	1494	4236			≤10		Kg 0.56 0.80 1.09 1.70 3.50 6.35 12.0	15000

* Consult factory



LHSG-CL-III Series Drawings







LHSG-IV series



LHSG-IV series are high-torque models which have the same structure, with LHS-IV series. However, their torque bearing capacity is improved by 30% compared with LHS series.

Parameter Table

item	Reduction Ratio	Rated Torque at 2000r/min	Allowable Peak Torque at Start and Stop	Aliowable Average Torque	Aliowabie Maximum Momentary Torque	Maximum Input Speed	Allowable Average Input Speed	Back Iash	With MaxImum Tension	Weight	Design Life
Model Na		Nm	Nm	Nm	Nm	r/min	r/min	Arc sec	N	Kg	Hour
	50	6.6	23	8.6	43			≤10			10000
14	80	9.6	29	13.5	57	8000	3500	≪10	≤26	0. 65	15000
	100	9.6	34	13.5	66			≤10			15000
	50	19.8	42	32	86	7000		≤10			10000
17	80	27.5	53	33	108		3500	≤10	≤32	0. 92	15000
10	100	30	66	49	134			≤10			15000
	120	30	66	49	107			≤10			15000
	50	32	69	42	121			≤10	8		10000
	80	42	91	58	158	6000 3500		≤10			15000
20	100	50	102	61	182		≤10	≤58	1.36	15000	
	120	50	108	61	182			≤10			15000
	160	50	113	61	182			≤10			15000
	50	48	121	68.5	230		3500	≤10	≼71	2. 05	10000
	80	78	169	107	315	5500		≤10			15000
25	100	84	194	133	351			≤10			15000
	120	84	207	133	376			≤10			15000
	160	84	217	133	388			≤10			15000
	50	94	267	133	472			≤10			10000
	80	146	376	206	702			≤10	1		15000
32	100	169	411	267	800	4500	3500	≤10	≤114	4. 35	15000
	120	169	436	267	848			≤10			15000
	160	169	459	267	848			≪10			15000
	50	169	497	242	847			≤10	≤294		10000
	80	255	641	351	1210	1		≤10			15000
40	100	328	702	460	1334	4000	3000	≤10		7.9	15000
	120	363	762	557	1458			≤10	1		15000
	160	363	800	557	1458			≪10			15000

