

## Planer Type Commutator

Item No.	Segments	Outer Diameter(mm)	Inner Diameter(mm)	Length(mm)	Planer Diameter
LX456	6	9.6	4.6	12	27

## Hook Type Commutator

Item No.	Segments	Outer Diameter(mm)	Inner Diameter(mm)	Length(mm)	Hook Diameter(mm)
LX155	8	16	8	13.5	21
LX241	8	20.5	7	14	26.5
LX361	8	13.9	5	10.5	17.8

LX384	9	15	4.9	12	20.4
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LX122	10	16	8	21	21.6
LX139	10	17.8	9	16	23.8
LX160-8	10	20.2	8	14.3	25.4
LX160-10	10	20.6	10.15	15.6	26.5
LX161	10	16.5	8	13	21.5
LX181	10	22.5	8	16.5	29.5
LX228-8	10	19	8	13.5	24.3
LX228-9	10	19	9	14.5	24.3
LX244	10	15	4.5	10.5	18.3
LX373	10	24.5	10	16.5	33.6

LX163-8	12	26.5	8	17	37.3
LX163-12	12	26.1	12	17	32.4
LX173-A	12	19	6	15.5	24.7
LX173-C	12	19	8	15.5	24.7
LX173-G-18.5	12	18.5	8	15.5	24.5
LX173-G-19	12	19	8	13.5	24.5
LX173-L	12	19	8	17.3	24.7
LX175-A	12	20.2	8	14.3	25.5
LX175-D	12	20.5	10	14.5	25.6
LX177-A	12	23.2	8	17.8	29.3
LX177-D	12	23	8	19.7	29.2
LX178-E	12	24.1	8	22.5	31
LX188-8	12	22.5	8	16.2	29.5
LX188-10	12	22.6	10	16.5	29.5
LX188-C	12	22.5	8	16.5	28.3
LX188-D	12	22.6	8	16	29.5
LX197-A	12	18.2	8	13.5	23.5
LX197-B	12	18.2	10	13.7	24
LX206	12	16.5	6	13	20

LX215	12	30	15	23	38.5
LX273	12	25.3	10	20.6	33.6
LX287	12	19.9	8	16	25
LX352	12	18.2	8	13	23.5
LX362-A	12	23	8	18.5	28.3
LX362-A-2	12	23	8	18.5	30
LX362-B	12	23	9	18.5	28.3
LX362-C	12	23	10	18.5	30
LX366	12	15	5.96	15	20.5
LX370	12	18.2	8	13.6	23.4
LX455	12	32	17	26	40.5
LX176	14	24.3	8	19.5	32
LX115	16	22	8	16.3/15	27.15
LX117	16	30.5	8	22.5/20	36.2
LX147	16	29	10	19	34.2
LX172-A	16	20.2	8	13.5	25.2
LX253	16	32	8	24/20.5	38
LX335	16	19.85	6.96-6.98	14	24.5
LX363	16	36	12	28	44.5
LX364	16	32	10	22	41.9
LX368	16	45	20	33	55.4
LX383	16	30	12	28	37
LX413	16	38.28	17	29.2	47.04
LX459	16	32	17	26	40.5
LX344	18	22.9	8	15.5	27.5
LX367	18	22.9	8	18.5	27.9
LX461	18	28.5	8	20	34
LX116	20	30.2	8	17.5	37
LX145	20	34	8	18	41
LX169-12	20	40.3	12	26	49.5
LX169-17	20	40.3	17	26	49.5
LX171-20.2	20	20.2	8	15.5	25.5
LX171-20.5	20	20.5	8	15.5	25.5
LX189	20	30	8	18	36.6
LX189-E	20	30	8	24.5-25	36.6
LX209	20	28.3	8	19.5	35
LX212-A	20	23.7	8	16	30.3
LX288	20	21.8	8	19.7	34.8
LX346	20	23	8	13.5	28.5
LX371	20	23	8	15.5	28
LX415	20	19.15	8.7	10.8	23.5

LX421	20	19.15	6.33	10.8	23.5
LX128	21	48	16	30	56
LX291	23	23	8	23/17.5	28.6
KL215	23	21.5	8.3	15.8	26.5
LX133	24	23.2	9	15	27.4
LX166	24	19	8	13	24
LX245	24	21.5	6.35	12.2	25
LX296	24	24	10	18.2	29.3
LX299	24	28.3	11	20	33.8
LX310	24	25	8.4	16.2	30.2
LX334	24	25.45	9.95-9.57	19	30.7
LX336	24	20.2	7	14	25
LX338-6.5	24	22.2	6.5	15.3/13.6	26.7
LX365	24	23	8	12.8	28
LX375	24	25	8	18	29.7
LX385	24	20.2	8	14	24.5
LX400	24	23.2	6.5	15/13.7	27.4

### Groove Type Commutator

Item No.	Segments	Outer Diameter(mm)	Inner Diameter(mm)	Length(mm)	Riser Diameter(mm)
LX312	16	18.4	6.35	12	18.8
LX431	16	45	20	36	51.2
LX378	18	53	18	34.6	60
LX377	20	45.5	25	22	50
LX158-B	24	23.3	9	15	23.8
LX158-D	24	22.8	6.3	14	23.3
LX182	24	28.3	11	17.4	29
LX185	24	24	9	16	24.5
LX310-A	24	25	8.4	15.6	25.5
LX311	24	25	8.4	16	25.3
LX430	24	45	12/15	36	51.2
LX441	27	52.2	20	42	62
LX382	28	30	12	20	32.6

KL510	29	41.1	18.94	34.5	50.8
Item No.	Segments	Outer Diameter(mm)	Inner Diameter(mm)	Length(mm)	Riser Diameter(mm)
LX266	32	34.5	15	25.3	35
LX369	32	36.2	14	29.5	44
LX380	32	30	15	26.5	34.5
LX440	32	32	10/12	21	39
LX387	33	25.3	8	17	26.5/27.5
LX386	36	20	8	14	20
LX450	36	30	9	22	34
LX143	63	48	16	30	52

<b>Slip Ring</b>			
Item No.	Outer Diameter(mm)	Inner Diameter(mm)	Length(mm)
026150	33	20.1	22
026151	36	17.05	18
026152	30	18.4	26
026153	25.3	9.95	21.6
026154	28.2	17.05	22
026155	32.4	17	22
026156	22.2	12.2	22.1
026157	25.5	17.4	25.4