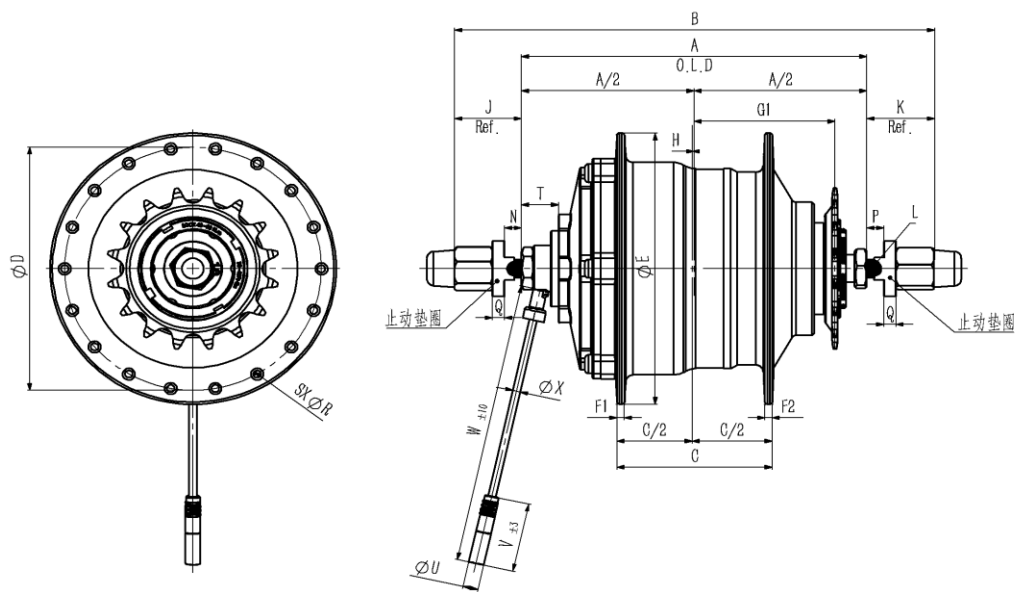


ELEVANDI

INTERNAL GEAR HUB TECHNICAL SPECIFICATIONS

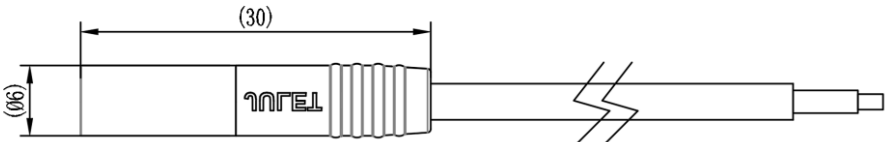
Version : A8



	Series	ER-Shift 【ER-S05】 5-speed Hub iGearbox
	Model	LG-P7100-5D
	1: Mechanical Parameter	
	Variable Speed Level	5
	Gear Ratio	249%
	Gear Ratio 1	0.74
	Gear Ratio 2	1
	Gear Ratio 3	1.30
	Gear Ratio 4	1.56
	Gear Ratio 5	1.84
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	142
B	Axle Length(mm)	198
C	Spoke Plate Distance	64
D	P.C.D.(mm)	105.8
E	Spoke Plate Diameter (mm)	118
F	Spoke Plate Width (mm): F1 (Left)	3
	Spoke Plate Width (mm): F2 (Right)	3
G	Chainline(mm):G1((Install outside)	57.9
	Chainline(mm):G2((Install inside)≥19T	52.8
H	Offset(mm)	0
J	Axle length from the Hub(Left)	28
K	Axle length from the Hub (Right)	28
L	Thread Size	M12x1.25

	Model	LG-P7100-5D
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
P	Locked spacer Width(mm)	5
Q	Spoke Hole Diameter(mm)	3.2
R	Spoke Hole Number	36
S	Installation width of disc brake lock (mm)	15.3
T	Plug outer (mm)	6
U	Plug length(mm)	30
V	Total length of cable(mm)	115
W	Cable diameter (mm)	3.1
X	Color	Black/Sliver
	Average Weight(kg)	2.15
2: Electrical parameter		
1	Operating voltage range	15V~60V DC
2	Power supply	≥2.5A@36V
3	Quiescent current	20mA@36V
4	Locked-rotor current	≤1.8A@36V
5	Communication interface	CAN Interface
6	Baud rate	250K bps

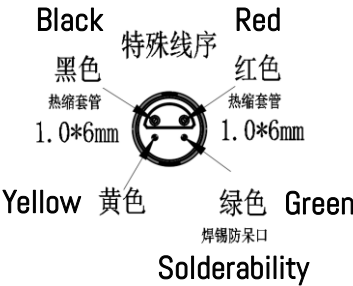
Waterproof wire diagram:

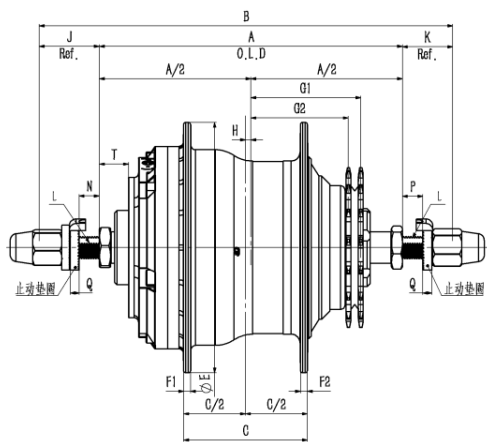
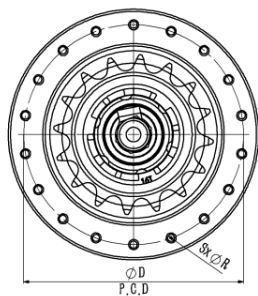


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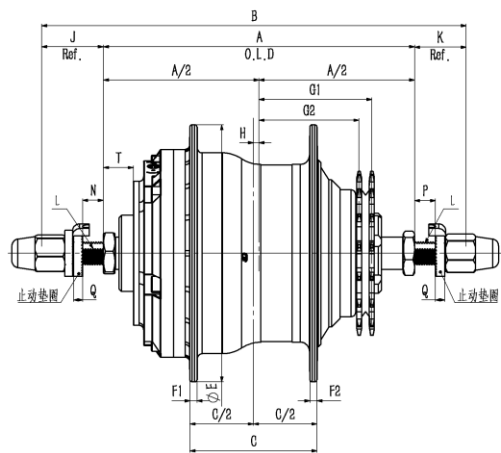
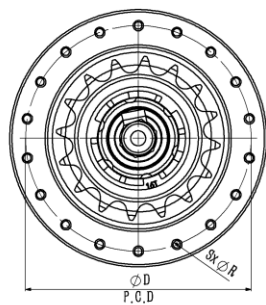
Red: power +
Green: CAN-H
Yellow: CAN-L
Black: GND

红色: 电源正极
绿色: CAN-H
黄色: CAN-L
黑色: GND

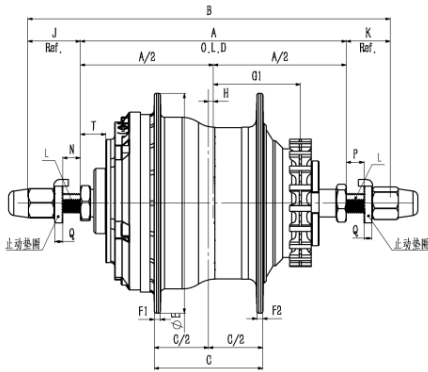
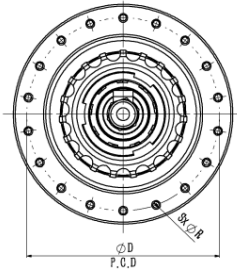




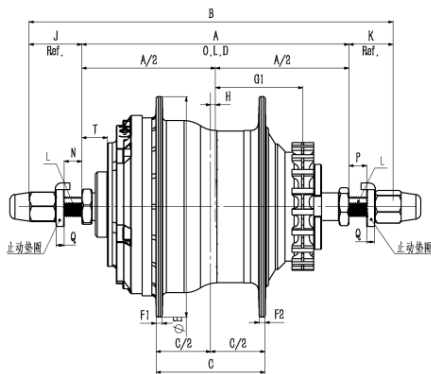
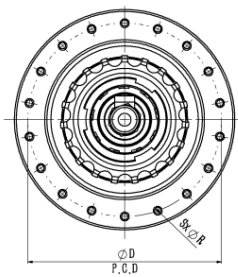
Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub			
Model	LG-N7100-3D	LG-N7110-3D	LG-N7113-3D	LG-N7114-3D
Variable Speed Level	3	3	3	3
Gear Ratio	166%	166%	166%	166%
Gear Ratio 1	1	1	1	1
Gear Ratio 2	1.29	1.29	1.29	1.29
Gear Ratio 3	1.66	1.66	1.66	1.66
Brake Type	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake
Hub Shell Material	Aluminum	Aluminum	Aluminum	Aluminum
Spoke Size	#13/#14	#13/#14	#13/#14	#13/#14
A	O.L.D.(mm)	135	135	135
B	Axle Length(mm)	184	184	184
C	Spoke Plate Distance	52	52	52
D	P.C.D.(mm)	97.8	97.8	97.8
E	Spoke Plate Diameter (mm)	111	111	111
F	Spoke Plate Width (mm): F1 (Left)	3	3	3
	Spoke Plate Width (mm): F2 (Right)	3	3	3
G	Chainline(mm):G1((Install outside)	49	49	49
	Chainline(mm):G2((Install inside)	43.4	43.4	43.4
H	Offset(mm)	2.4	2.4	2.4
J	Axle length from the Hub(Left)	27	27	27
K	Axle length from the Hub (Right)	22	22	22
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3.2	3.2	3.2
S	Spoke Hole Number	36	36	32
T	Installation width of disc brake lock (mm)	13	13	13
	Color	Black	Sliver	Black
	Average Weight(kg)	1.64	1.64	1.64



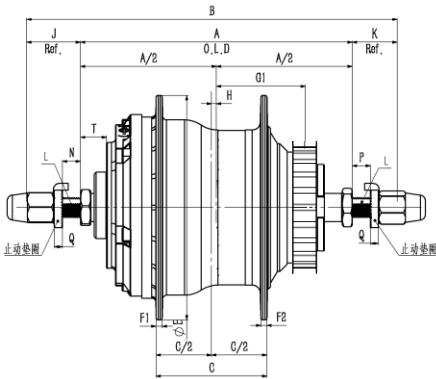
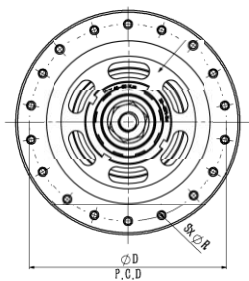
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (With Thread fastener)
	Model	LG-N7118-3D
	Variable Speed Level	3
	Gear Ratio	166%
	Gear Ratio 1	1
	Gear Ratio 2	1.29
	Gear Ratio 3	1.66
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	135
B	Axle Length(mm)	184
C	Spoke Plate Distance	52
D	P.C.D.(mm)	97.8
E	Spoke Plate Diameter (mm)	111
F	Spoke Plate Width (mm): F1 (Left)	3
	Spoke Plate Width (mm): F2 (Right)	3
G	Chainline(mm):G1((Install outside)	49
	Chainline(mm):G2((Install inside)	43.4
H	Offset(mm)	2.4
J	Axle length from the Hub(Left)	27
K	Axle length from the Hub (Right)	22
L	Thread Size	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	4
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of disc brake lock (mm)	13
	Color	Black
	Average Weight(kg)	1.64



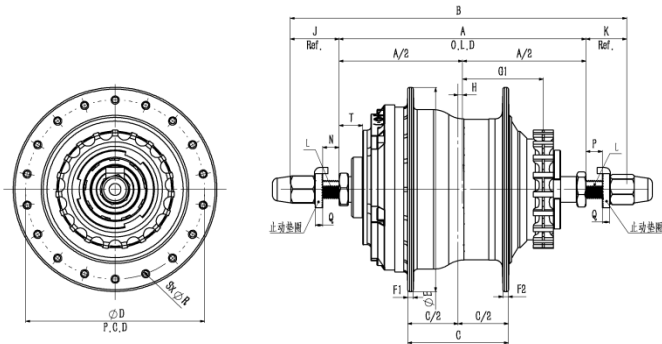
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (Belt drive version)		
	Model	LG-N7125-3D	LG-N7120-3D	LG-N7101-3D
	Variable Speed Level	3	3	3
	Gear Ratio	166%	166%	166%
	Gear Ratio 1	1	1	1
	Gear Ratio 2	1.29	1.29	1.29
	Gear Ratio 3	1.66	1.66	1.66
	Brake Type	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake
	Hub Shell Material	Aluminum	Aluminum	Aluminum
	Spoke Size	#13/#14	#13/#14	#13/#14
A	O.L.D.(mm)	135	135	135
B	Axle Length(mm)	189	184	184
C	Spoke Plate Distance	52	52	52
D	P.C.D.(mm)	97.8	97.8	97.8
E	Spoke Plate Diameter (mm)	111	111	111
F	Spoke Plate Width (mm): F1 (Left)	3	3	3
	Spoke Plate Width (mm): F2 (Right)	3	3	3
G	Chainline(mm):G1((Install outside)	47.2	47.2	47.2
	Chainline(mm):G2((Install inside)	—	—	—
H	Offset(mm)	0.05	0.05	0.05
J	Axle length from the Hub(Left)	27	24	27
K	Axle length from the Hub (Right)	27	25	22
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3.2	3.2	3.2
S	Spoke Hole Number	36	36	36
T	Installation width of disc brake lock (mm)	13	15.3	13
	Color	Black	Black	Sliver
	Matching belt cog	CDC9 Spline Gates belt cog (6.2mm slot)	CDC9 Spline Gates belt cog (6.2mm slot)	CDC9 Spline Gates belt cog (6.2mm slot)
		Circlip	Thread fastener	Circlip
	Average Weight(kg)	1.64	1.64	1.64



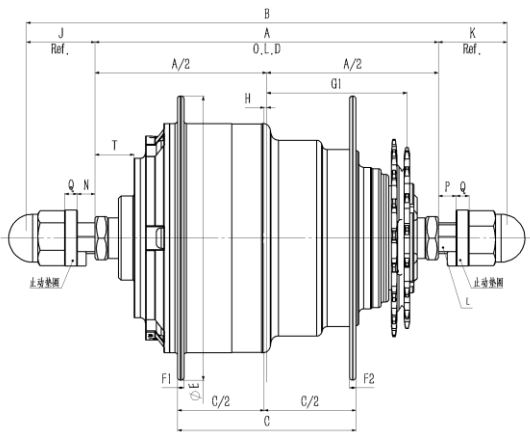
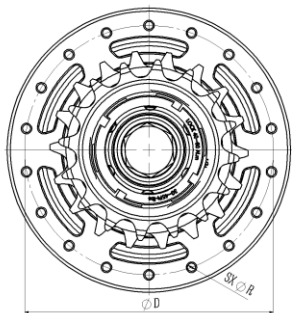
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (Belt drive version)		
	Model	LG-N7111-3D	LG-N7115-3D	LG-N7116-3D
	Variable Speed Level	3	3	3
	Gear Ratio	166%	166%	166%
	Gear Ratio 1	1	1	1
	Gear Ratio 2	1.29	1.29	1.29
	Gear Ratio 3	1.66	1.66	1.66
	Brake Type	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake
	Hub Shell Material	Aluminum	Aluminum	Aluminum
	Spoke Size	#13/#14	#13/#14	#13/#14
A	O.L.D.(mm)	135	135	135
B	Axle Length(mm)	184	184	184
C	Spoke Plate Distance	52	52	52
D	P.C.D.(mm)	97.8	97.8	97.8
E	Spoke Plate Diameter (mm)	111	111	111
F	Spoke Plate Width (mm): F1 (Left)	3	3	3
	Spoke Plate Width (mm): F2 (Right)	3	3	3
G	Chainline(mm):G1((Install outside)	47.2	47.2	47.2
	Chainline(mm):G2((Install inside)	—	—	—
H	Offset(mm)	0.05	0.05	0.05
J	Axle length from the Hub(Left)	27	27	27
K	Axle length from the Hub (Right)	22	22	22
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3.2	3.2	3.2
S	Spoke Hole Number	36	32	32
T	Installation width of disc brake lock (mm)	13	13	13
	Color	Sliver	Black	Sliver
	Matching belt cog	CDC9 Spline Gates belt cog (6.2mm slot)	CDC9 Spline Gates belt cog (6.2mm slot)	CDC9 Spline Gates belt cog (6.2mm slot)
		Circlip	Thread fastener	Thread fastener
	Average Weight(kg)	1.64	1.64	1.64



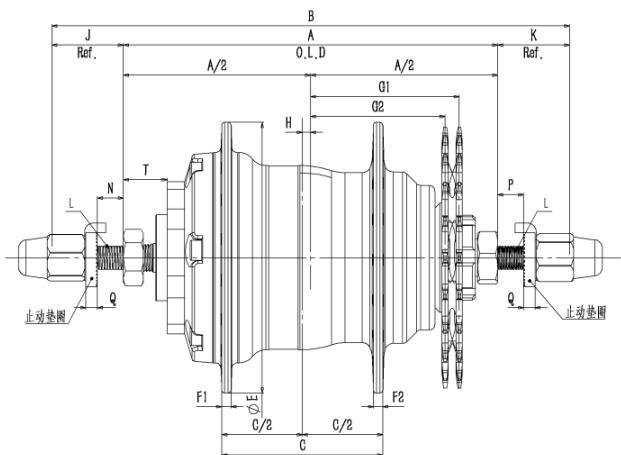
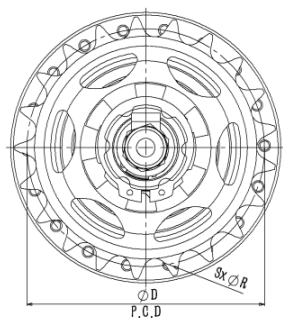
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (Belt drive version)
	Model	LG-N7122-3D
	Variable Speed Level	3
	Gear Ratio	166%
	Gear Ratio 1	1
	Gear Ratio 2	1.29
	Gear Ratio 3	1.66
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	135
B	Axle Length(mm)	184
C	Spoke Plate Distance	52
D	P.C.D.(mm)	97.8
E	Spoke Plate Diameter (mm)	111
F	Spoke Plate Width (mm): F1 (Left)	3
	Spoke Plate Width (mm): F2 (Right)	3
G	Chainline(mm):G1((Install outside)	57
	Chainline(mm):G2((Install inside)	-
H	Offset(mm)	2.38
J	Axle length from the Hub(Left)	27
K	Axle length from the Hub (Right)	22
L	Thread Size	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	4
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of disc brake lock (mm)	13
	Color	Black
	Matching belt cog	9 Spline Gates belt cog (6.2mm slot)
		Thread fastener
	Average Weight(kg)	1.64



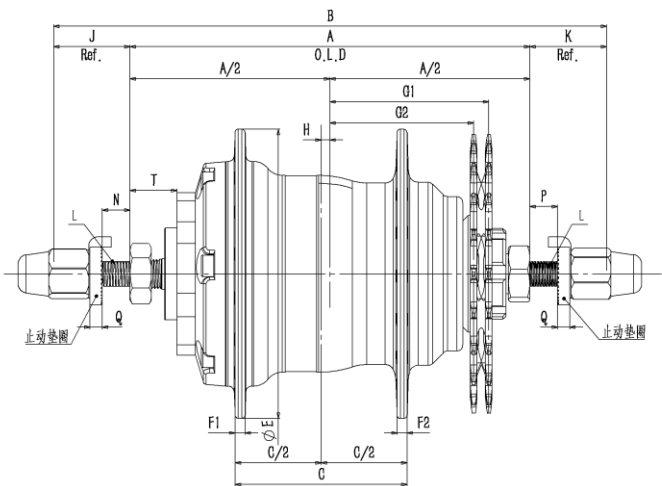
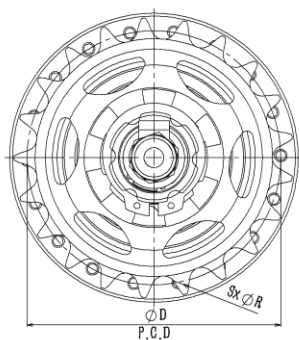
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (Belt drive version)			
	Model	LG-N7105-3D	LG-N7107-3D	LG-N7113-3D	LG-N7114-3D
	Variable Speed Level	3	3	3	3
	Gear Ratio	166%	166%	166%	166%
	Gear Ratio 1	1	1	1	1
	Gear Ratio 2	1.29	1.29	1.29	1.29
	Gear Ratio 3	1.66	1.66	1.66	1.66
	Brake Type	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake	6-bolt Disc Brake
	Hub Shell Material	Aluminum	Aluminum	Aluminum	Aluminum
	Spoke Size	#13/#14	#13/#14	#13/#14	#13/#14
A	O.L.D.(mm)	135	135	135	135
B	Axle Length(mm)	184	184	184	184
C	Spoke Plate Distance	52	52	52	52
D	P.C.D.(mm)	97.8	97.8	97.8	97.8
E	Spoke Plate Diameter (mm)	111	111	111	111
F	Spoke Plate Width (mm): F1 (Left)	3	3	3	3
	Spoke Plate Width (mm): F2 (Right)	3	3	3	3
G	Chainline(mm):G1((Install outside)	49	49	49	49
	Chainline(mm):G2((Install inside)	—	—	—	—
H	Offset(mm)	0	0	0	0
J	Axle length from the Hub(Left)	24	24	24	24
K	Axle length from the Hub (Right)	25	25	25	25
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4	4
R	Spoke Hole Diameter(mm)	3.2	3.2	3.2	3.2
S	Spoke Hole Number	36	32	32	36
T	Installation width of disc brake lock (mm)	15.3	15.3	15.3	15.3
	Color	Sliver	Sliver	Black	Black
	Matching belt cog	CDX9 Spline Gates belt cog (6.5mm slot)	CDX9 Spline Gates belt cog (6.5mm slot)	CDX9 Spline Gates belt cog (6.5mm slot)	CDX9 Spline Gates belt cog (6.5mm slot)
	Average Weight(kg)	1.64	1.64	1.64	1.64



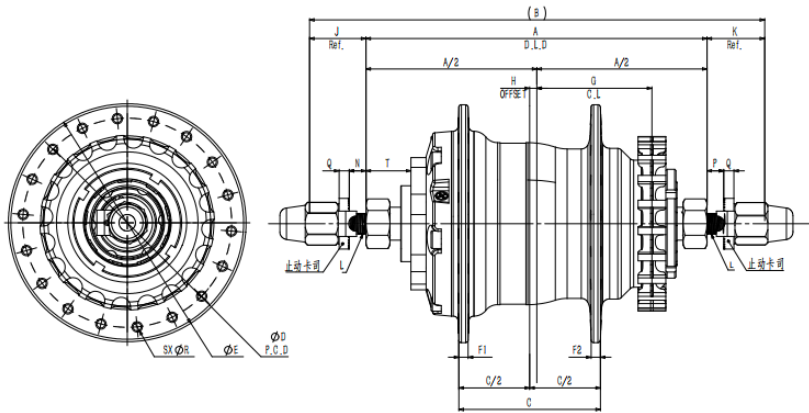
	Series	Auto-Shift 【A03】 Automatic 3-speed Internal Gear Hub (Chain drive version)
	Model	LG-N3100-3D
	Variable Speed Level	3
	Gear Ratio	178%
	Gear Ratio 1	1
	Gear Ratio 2	1.33
	Gear Ratio 3	1.78
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	135
B	Axle Length(mm)	189
C	Spoke Plate Distance	70.1
D	P.C.D. (mm)	97.8
E	Spoke Plate Diameter(mm)	111.4
F	Spoke Plate Width(mm): F1 (Left)	2.5
	Spoke Plate Width(mm): F2 (Right)	2.5
G	Chainline(mm):G1(Install outside)	55.2
	Chainline(mm):G2(Install inside)≥18T	50.1
H	Offset(mm)	0
J	Axle length from the Hub(Left)	27
K	Axle length from the Hub (Right)	27
L	Thread Size	M12X1.25
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	5
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of disc brake lock (mm)	15.3
	Color	Black
	Average Weight(kg)	2.1



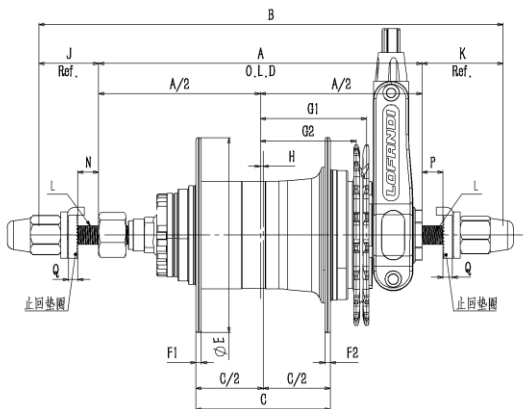
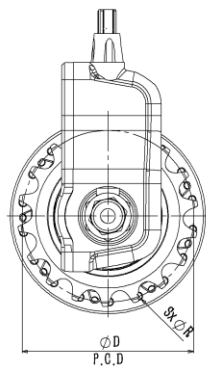
	Series	Auto-Shift 【A02】 Automatic 2-speed Internal Gear Hub (Chain drive version)
	Model	LG-N7000-2D
	Variable Speed Level	2
	Gear Ratio	133%
	Gear Ratio 1	1
	Gear Ratio 2	1.33
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	130
B	Axle Length(mm)	180
C	Spoke Plate Distance	52.38
D	P.C.D. (mm)	82.6
E	Spoke Plate Diameter(mm)	94
F	Spoke Plate Width(mm): F1 (Left)	3.2
	Spoke Plate Width(mm): F2 (Right)	3.2
G	Chainline(mm):G1(Install outside)	49.4
	Chainline(mm):G2(Install inside)	44.5
H	Offset(mm)	2.75
J	Axle length from the Hub(Left)	25
K	Axle length from the Hub (Right)	25
L	Thread Size	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	4
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of disc brake lock (mm)	15.3
	Color	Sliver
	Average Weight(kg)	1.3



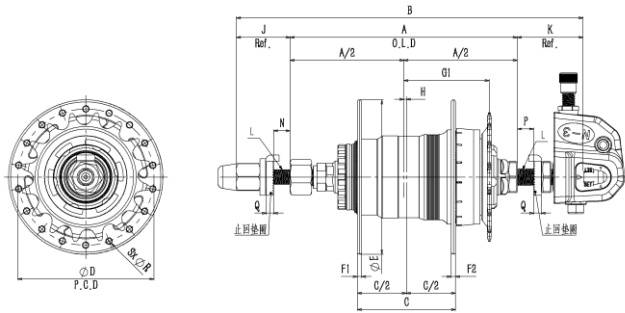
Series		Auto-Shift 【A02】 Automatic 2-speed Internal Gear Hub (Chain drive version)
Model		LG-N7003-2G
	Variable Speed Level	2
	Gear Ratio	133%
	Gear Ratio 1	1
	Gear Ratio 2	1.33
	Brake Type	Drum Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	135
B	Axle Length(mm)	180
C	Spoke Plate Distance	52.38
D	P.C.D. (mm)	82.6
E	Spoke Plate Diameter(mm)	94
F	Spoke Plate Width(mm): F1 (Left)	3.2
	Spoke Plate Width(mm): F2 (Right)	3.2
G	Chainline(mm):G1(Install outside)	56
	Chainline(mm):G2(Install inside)	50.8
H	Offset(mm)	3.85
J	Axle length from the Hub(Left)	23
K	Axle length from the Hub (Right)	23
L	Thread Size	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	4
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of drum brake lock(mm)	30.8
	Color	Sliver
	Average Weight(kg)	1.3



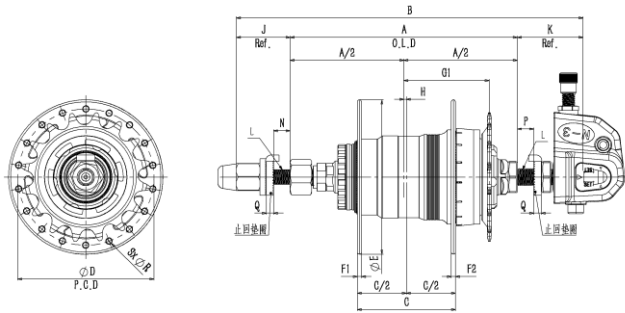
	Series	Auto-Shift 【A02】 Automatic 2-speed Internal Gear Hub (Belt drive version)
	Model	LG-N7001-2D
	Variable Speed Level	2
	Gear Ratio	133%
	Gear Ratio 1	1
	Gear Ratio 2	1.33
	Brake Type	6-bolt Disc Brake
	Hub Shell Material	Aluminum
	Spoke Size	#13/#14
A	O.L.D.(mm)	135
B	Axle Length(mm)	180
C	Spoke Plate Distance	52.38
D	P.C.D. (mm)	82.6
E	Spoke Plate Diameter(mm)	94
F	Spoke Plate Width(mm):F1(Left)	3.2
	Spoke Plate Width(mm):F2(Right)	3.2
G	Chainline(mm):G1(Install outside)	45.5
	Chainline(mm):G2(Install inside) > 18T	—
H	Offset(mm)	2.85
J	Axle length from the Hub(Left)	22.5
K	Axle length from the Hub (Right)	22.5
L	Thread Size	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9
Q	Locked spacer Width(mm)	4
R	Spoke Hole Diameter(mm)	3.2
S	Spoke Hole Number	36
T	Installation width of disc brake lock (mm)	17.8
	Color	Silver
	Matching belt cog	CDC9 Spline Gates belt cog
		Thread fastener
	Average Weight(kg)	1.3



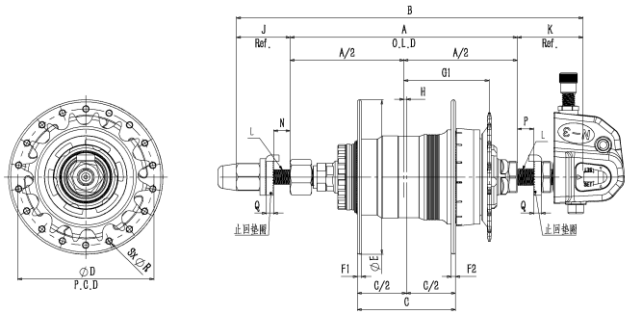
Series		Manual-Shift 【M03】 Manual 3-speed Internal Gear Hub (Shift Controller Inside the Rear Fork)		
Model		LG-N3000-3R	LG-N3001-3D	LG-N3002-3D
Variable Speed Level		3	3	3
Gear Ratio		186%	186%	186%
Gear Ratio 1		0.73	0.73	0.73
Gear Ratio 2		1	1	1
Gear Ratio 3		1.36	1.36	1.36
Brake Type		Roller Brake	Mid-Lock Disc Brake	Mid-Lock Disc Brake
Hub Shell Material		Steel	Steel	Steel
Spoke Size		#13/#14	#13/#14	#13/#14
Shifter Type		LL-3S02E	LL-3S02E	LL-3S02E
A	O.L.D.(mm)	141	130	142
B	Axle Length(mm)	200	200	200
C	Spoke Plate Distance	58	61	61
D	P.C.D. (mm)	74	74	74
E	Spoke Plate Diameter(mm)	84	84	84
F	Spoke Plate Width(mm): F1 (Left)	2.3	2.3	2.3
	Spoke Plate Width(mm): F2 (Right)	2.3	2.3	2.3
G	Chainline(mm):G1(Install outside)	47	41	42
	Chainline(mm):G2(Install inside)	42.5	36.5	37.5
H	Offset(mm)	1.95	5.09	4
J	Axle length from the Hub(Left)	24.27	35.4	28
K	Axle length from the Hub (Right)	35	34.9	30
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3	3	3
S	Spoke Hole Number	36	36	36
Color		Silver (Customizable)	Silver (Customizable)	Silver (Customizable)
Average Weight(kg)		1.1	1.1	1.1



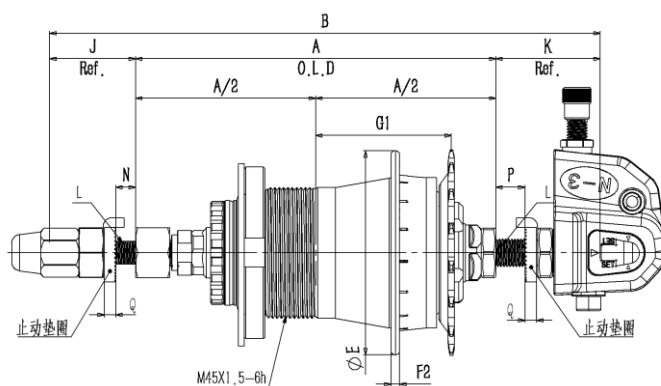
Series		Manual-Shift 【M03】 Manual 3-speed Internal Gear Hub (Shift Controller Outside the Rear Fork)		
Model		LG-N3010-3R	LG-N3020-3R	LG-N3019-3G
Variable Speed Level		3	3	3
Gear Ratio		186%	186%	186%
Gear Ratio 1		0.73	0.73	0.73
Gear Ratio 2		1	1	1
Gear Ratio 3		1.36	1.36	1.36
Brake Type		Roller Brake	Servant Brake Lock	Servant Brake Lock
Hub Shell Material		Steel	Steel	Steel
Spoke Size		#13/#14	#13/#14	#13/#14
Shifter Type		LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E
A	O.L.D.(mm)	120	120	135
B	Axle Length(mm)	189.5	170.5	189.5
C	Spoke Plate Distance	53.7	53.7	53.7
D	P.C.D. (mm)	74.4	74.4	74.4
E	Spoke Plate Diameter(mm)	84.3	84.3	84.3
F	Spoke Plate Width(mm): F1 (Left)	2.3	2.3	2.3
	Spoke Plate Width(mm): F2 (Right)	2.3	2.3	2.3
G	Chainline(mm):G1(Install outside)	45	45	49
	Chainline(mm):G2(Install inside)	40	40	44
H	Offset(mm)	0.63	0.63	3.74
J	Axle length from the Hub(Left)	33.6	23.1	21.8
K	Axle length from the Hub (Right)	36	27	36
L	Thread Size	JISBC3/8-26	JISBC3/8-26	JISBC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3	3	3
S	Spoke Hole Number	36	36	36
Color		Silver	Silver	Silver
Average Weight(kg)		0.9	0.9	0.9



Series		Manual-Shift 【M03】 Manual 3-speed Internal Gear Hub (Shift Controller Outside the Rear Fork)		
Model		LG-N3010-3V	LG-N3011-3V	LG-N3011-3D
Variable Speed Level		3	3	3
Gear Ratio		186%	186%	186%
Gear Ratio 1		0.73	0.73	0.73
Gear Ratio 2		1	1	1
Gear Ratio 3		1.36	1.36	1.36
Brake Type		V Brake	V Brake	Mid-Lock Disc Brake
Hub Shell Material		Steel	Steel	Steel
Spoke Size		#13/#14	#13/#14	#13/#14
Shifter Type		LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E
A	O.L.D.(mm)	120	120.6	120
B	Axle Length(mm)	189.5	189.5	189.5
C	Spoke Plate Distance	53.7	53.7	53.7
D	P.C.D. (mm)	74.4	74.4	74.4
E	Spoke Plate Diameter(mm)	84.3	84.3	84.3
F	Spoke Plate Width(mm): F1 (Left)	2.3	2.3	2.3
	Spoke Plate Width(mm): F2 (Right)	2.3	2.3	2.3
G	Chainline(mm):G1(Install outside)	44.7	45.4 (Belt Drive)	45.1 (Belt Drive)
	Chainline(mm):G2(Install inside)	39.7	40.4 (Belt Drive)	40.1 (Belt Drive)
H	Offset(mm)	0.58	0.33	0.58
J	Axle length from the Hub(Left)	33.3	33	33.5
K	Axle length from the Hub (Right)	36	36	36
L	Thread Size	JISBC3/8-26	JISBC3/8-26	JISBC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3	3	3
S	Spoke Hole Number	36	32	32
Color		Silver	Black	Black
Average Weight(kg)		0.9	0.9	0.9



Series		Manual-Shift 【M03】 Manual 3-speed Internal Gear Hub (Shift Controller Outside the Rear Fork)		
Model		LG-N3010-3D	LG-N3012-3D	LG-N3014-3G
Variable Speed Level		3	3	3
Gear Ratio		186%	186%	186%
Gear Ratio 1		0.73	0.73	0.73
Gear Ratio 2		1	1	1
Gear Ratio 3		1.36	1.36	1.36
Brake Type		Mid-Lock Disc Brake	Mid-Lock Disc Brake	Drum Brake
Hub Shell Material		Steel	Steel	Steel
Spoke Size		#13/#14	#13/#14	#13/#14
Shifter Type		LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E
A	O.L.D.(mm)	115.3	120	127
B	Axle Length(mm)	189.5	189.5	189.5
C	Spoke Plate Distance	53.7	53.7	53.7
D	P.C.D. (mm)	74.4	74.4	74.4
E	Spoke Plate Diameter(mm)	84.3	84.3	84.3
F	Spoke Plate Width(mm): F1 (Left)	2.3	2.3	2.3
	Spoke Plate Width(mm): F2 (Right)	2.3	2.3	2.3
G	Chainline(mm):G1(Install outside)	42.3	44.7 (Chain Drive)	48
	Chainline(mm):G2(Install inside)	37.3	39.7 (Chain Drive)	43
H	Offset(mm)	3	0.58	3
J	Axle length from the Hub(Left)	38.3	33.5	26.6
K	Axle length from the Hub (Right)	36	36	36
L	Thread Size	JISBC3/8-26	JISBC3/8-26	JISBC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9	5-9
Q	Locked spacer Width(mm)	4	4	4
R	Spoke Hole Diameter(mm)	3	3	3
S	Spoke Hole Number	36	36	36
Color		Silver	Silver	Silver
Average Weight(kg)		0.9	0.9	0.9



	Series	Manual-Shift 【M03】 Manual 3-speed Internal Gear Hub (for Integrated Wheel)	
	Model	LG-N3013-3R	LG-N3018-3G
	Variable Speed Level	3	3
	Gear Ratio	186%	186%
	Gear Ratio 1	0.73	0.73
	Gear Ratio 2	1	1
	Gear Ratio 3	1.36	1.36
	Brake Type	Roller Brake	Servant Brake Lock
	Hub Shell Material	Steel	Steel
	Spoke Size	#13/#14	#13/#14
	Shifter Type	LL-3S01E/2E/3E/4E	LL-3S01E/2E/3E/4E
A	O.L.D.(mm)	120	135
B	Axle Length(mm)	189.5	189.5
C	Spoke Plate Distance	—	—
D	P.C.D. (mm)	—	—
E	Spoke Plate Diameter(mm)	70.2	70.2
F	Spoke Plate Width(mm): F1 (Left)	—	—
	Spoke Plate Width(mm): F2 (Right)	3	3
G	Chainline(mm):G1(Install outside)	45	48.9
	Chainline(mm):G2(Install inside)	40	43.9
H	Offset(mm)	—	—
J	Axle length from the Hub(Left)	33.6	21.8
K	Axle length from the Hub (Right)	36	36
L	Thread Size	JIS BC3/8-26	JIS BC3/8-26
N	Dropout mounting width (Left, including Dropout, etc.)	5-9	5-9
P	Dropout mounting width (Right, including Dropout, etc.)	5-9	5-9
Q	Locked spacer Width(mm)	4	4
R	Spoke Hole Diameter(mm)	—	—
S	Spoke Hole Number	—	—
	Color	Silver	Silver
	Average Weight(kg)	0.85	0.85



Name	Grip Shifter for Manual 3-speed Internal Gear Hub
Model NO.	LL-3S01E
Color	Black
Size	80*55*80mm
Type	Shifter
Variable Speed Level	3
Applicable Internal-gear Hub	M03
Suitable For Handlebar Diameter	φ22.2mm
Wire Material	Steel
Wire Length	2100mm
Max Span	2
Window Type	Transparent Plastic



Name	Grip Shifter for Manual 3-speed Internal Gear Hub
Model NO.	LL-3S02E
Color	Black
Size	80*55*98mm
Type	Shifter
Variable Speed Level	3
Applicable Internal-gear Hub	M03
Suitable For Handlebar Diameter	φ22.2mm
Wire Material	Steel
Wire Length	2100mm
Max Span	2
Window Type	Transparent Plastic



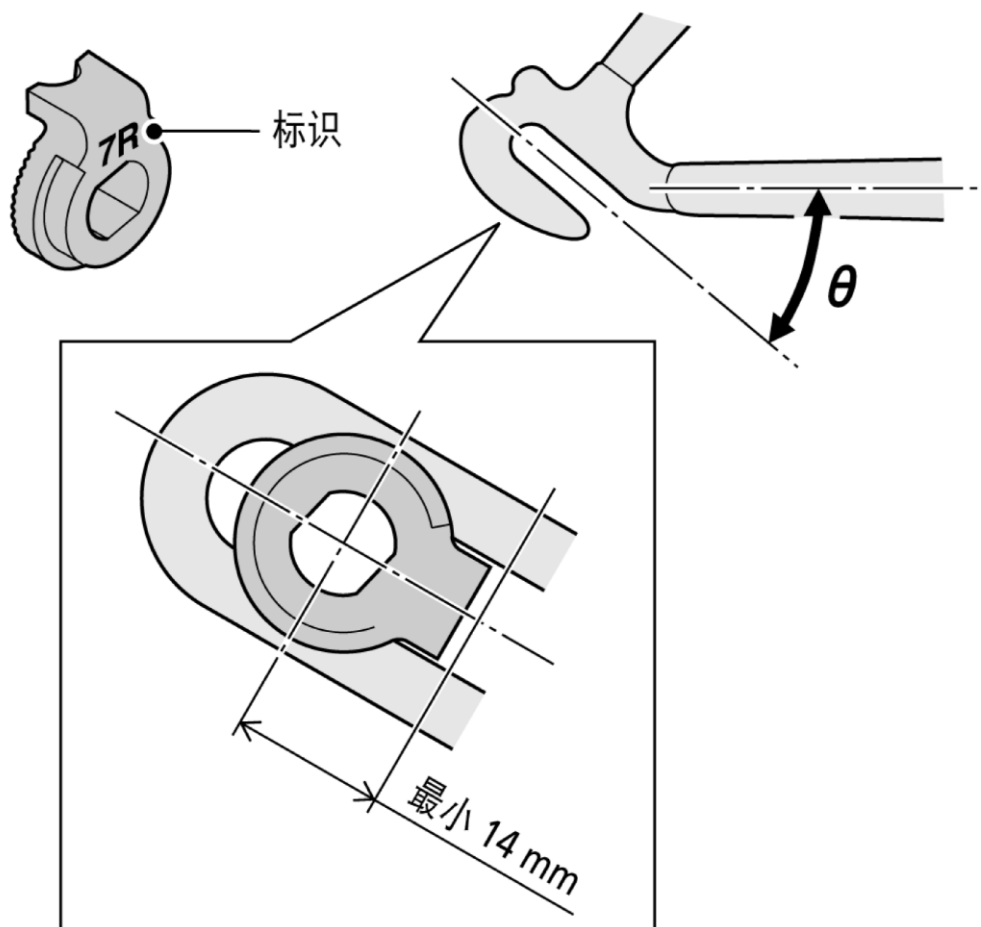
Name	Grip Shiter for Manual 3-speed Internal Gear Hub
Model NO.	LL-3S03E
Color	Sliver
Size	80*55*80mm
Type	Shifter
Variable Speed Level	3
Applicable Internal-gear Hub	M03
Suitable For Handlebar Diameter	φ22.2mm
Wire Material	Steel
Wire Length	2100mm
Max Span	2
Window Type	Transparent Plastic



Name	Grip Shiter for Manual 3-speed Internal Gear Hub
Model NO.	LL-3S04E
Color	Black
Size	114*75*68mm
Type	Shifter
Variable Speed Level	3
Applicable Internal-gear Hub	M03
Suitable For Handlebar Diameter	φ22.2mm
Wire Material	Steel
Wire Length	1600mm
Max Span	1
Window Type	Without transparent plastic

Use any locked spacers that match the shape of the Dropout.

Use different locked spacers on the left and right sides.



*For the Dropout, make sure it is more than 14mm from the axle of the straight part.

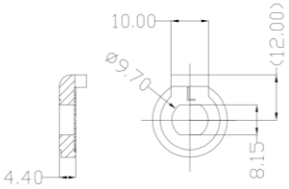
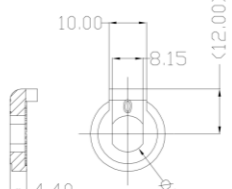
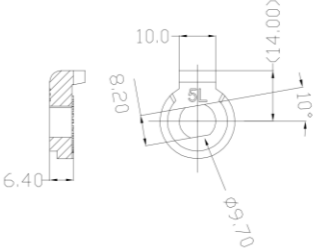
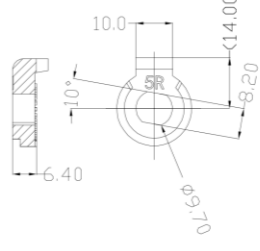
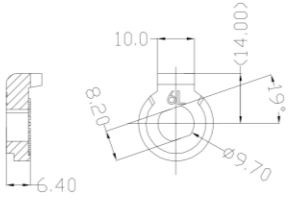
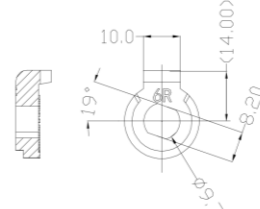
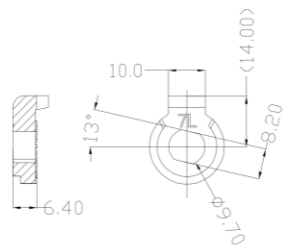
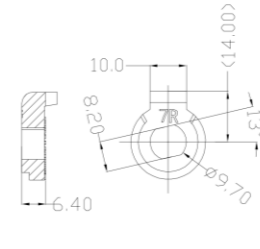
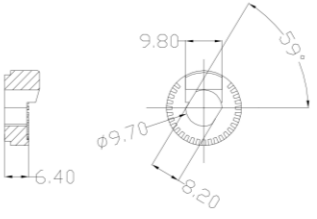
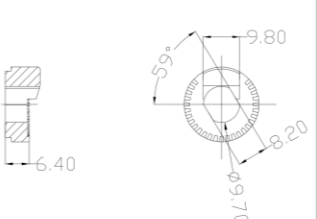
Install the protrusion of the locked spacer on the straight part of the Dropout.

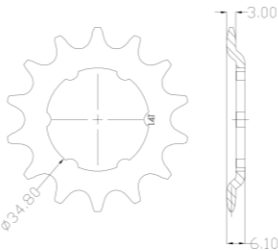
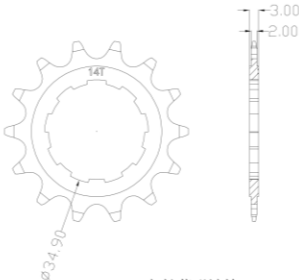
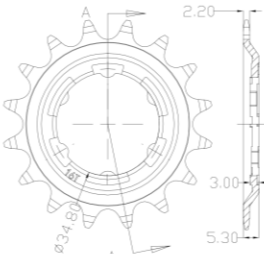
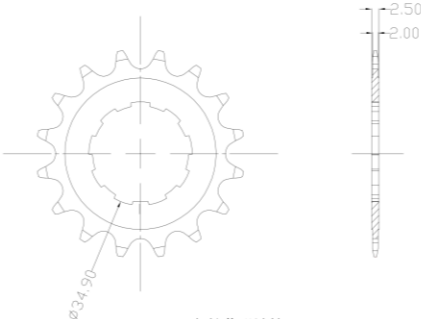
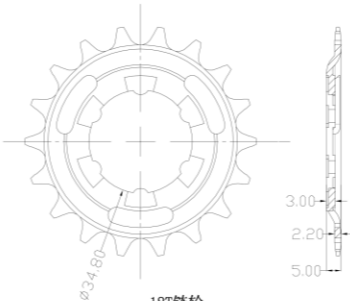
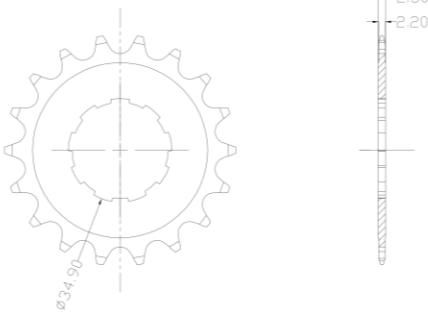
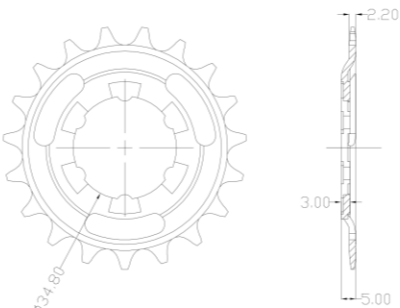
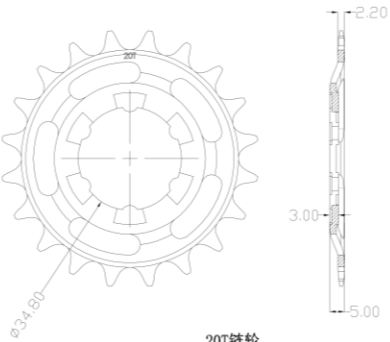
*The protruding part should be on one side of the Dropout.

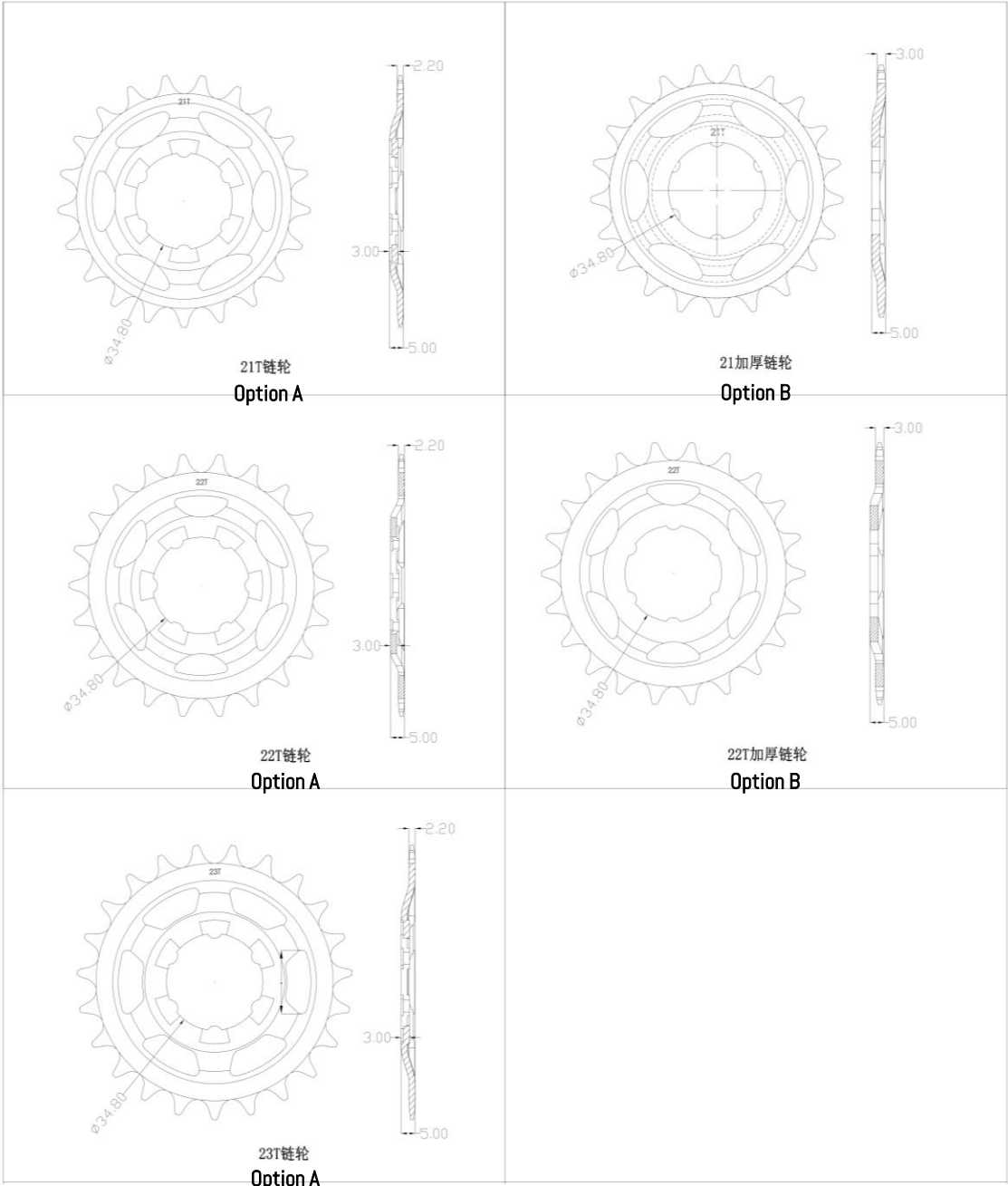
*Install the locked spacer so that the protruding part is securely located in the grooves of the Dropout on either side of the hub axle.

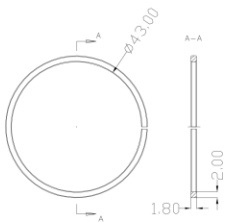
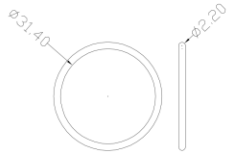
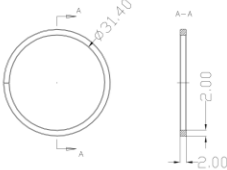
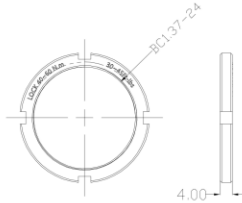
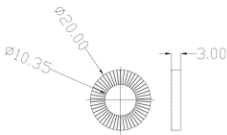
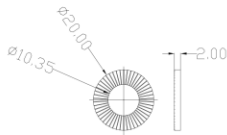
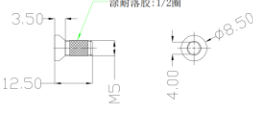
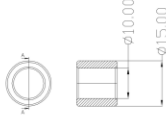
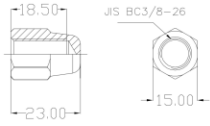
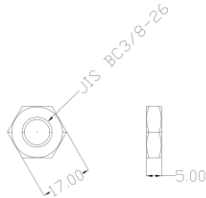
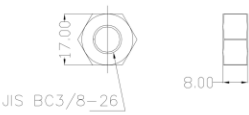
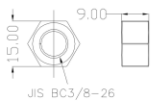
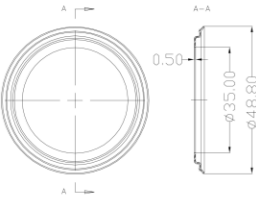
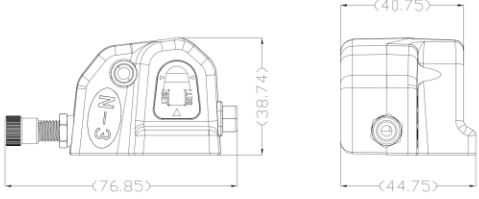
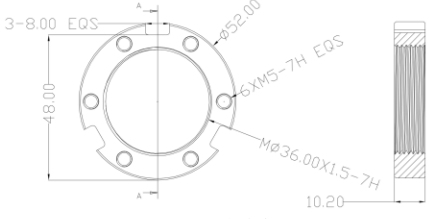
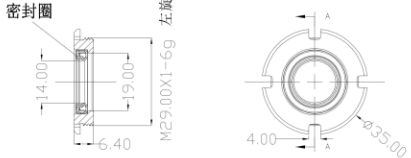
Shape of Locked Spacer

ELEVANDI

 N3000-止动卡司	 止动卡司0
 止动卡司5L	 止动卡司5R
 止动卡司6L	 止动卡司6R
 止动卡司7L	 止动卡司7R
 止动卡司8L	 止动卡司8R

 N3010-14T链轮卡簧 Option A	 14T九健薄形链轮 Option B
 N3010-16T链轮卡簧 Option A	 16T九健薄形链轮 Option B
 18T链轮 Option A	 18T九健薄形链轮 Option B
 19T链轮 Option A	 20T链轮 Option B



 N3010-链轮方丝卡簧	 N3010-链轮圆丝卡簧	 N3010-链轮卡簧	 N7118-螺母
 N3000-主轴螺帽垫片	 压花平垫	 N3019-内六角沉头螺钉	 N3018-套筒
 N3010-主轴圆头螺帽	 N7100轴端螺母	 N3010-主轴锁紧螺母	 N3010-控制器套入螺母
 N3010-大金属防尘圈	 N3010-控制器组件		
 N3017-过盈弹簧组件	 N3018-闸盘座		
 N3010-过盈弹簧组件	 N3018-闸盘压环组件		

Series		M03	M03	M03
Model		LG-N3000-3R LG-N3001-3D LG-N3002-3D	LG-N3010-3R LG-N3010-3D LG-N3010-3V LG-N3012-3D LG-N3014-3G	LG-N3013-3R
Max. variable torque(N·m) (*Refer to tips 1 and 2)	Gear Up (Low gear→High gear)	40	40	40
	Gear Down (High gear→Low gear)	7	7	7
Static Strength		Meets EN 14764 4.13.6		
Max. allowable continuous input power (Ensure the durability of the hub)	Max. torque(N·m) (*Refer to tips 1 and 2)	50	50	50
	The maximum input torque at the crank can be calculated using the above maximum torque and the given gear ratio below.			
	Gear ratio (Number of fronts cassette sprockets teeth/ Number of the rear cassettes sprockets teeth)	2.6	2.6	2.6
	Maximum continuous input at the crank power(Watt) (*refer to tips 2)	600	600	600
The torque applied to the crank arm +Maximum allowable input power for motor torque by a 30 nm biker.	Max. torque(N·m) (*Refer to tips 1、 2、 3)	100	100	100

*Tips1: Input torque at hub cassette sprockets.

*Tips2: Please use the total power of the drive mechanism (motor + rider) to calculate, when using the electrical paving system.

*Tips3: Calculation Method：
Max input torque = (rider input torque: 30N·m + Max Torque of mid-drive module)/gear ratio of mid-drive module/bike.

Series		A02	A02	A03	
Model		LG-N7000-2D LG-N7001-3D LG-N7003-2G	LG-N7100-3D LG-N7110-3D LG-N7113-3D LG-N7114-3D LG-N7118-3D	LG-N7101-3D LG-N7111-3D LG-N7115-3D LG-N7116-3D LG-N7120-3D	LG-N7105-3D LG-N7107-3D LG-N7108-3D LG-N7112-3D LG-N7122-3D
Max. variable torque(N·m) (*Refer to tips 1 and 2)	Gear Up (Low gear→ High gear)	80	80	80	80
	Gear Down (High gear→Low gear)	0	0	0	0
Static Strength		Meets EN 14764 4.13.6			
Max.allowable continuous input power (Ensure the durability of the hub)	Max. torque(N·m) (*Refer to tips 1 and 2)	100	130	130	130
	The maximum input torque at the crank can be calculated using the above maximum torque and the given gear ratio below.				
	Gear ratio (Number of front cassette sprockets teeth/ Number of rear cassette sprockets teeth)	1.4	1.4	1.4	1.4
	Maximum continuous input at the crank power(Watt) (*refer to tips 2)	700	700	700	700
The torque applied to the crank arm +Maximum allowable input power for motor torque by a 30nm biker	Max. torque(N·m) (*Refer to tips 1、2、 3)	110	150	150	150

*Tips1: Input torque at hub cassette sprockets.

*Tips2: Please use the total power of the drive mechanism (motor + rider) to calculate, when using the electrical paving system.

*Tips3: Calculation Method:
Max input torque = (rider input torque: 30N·m + Max Torque of mid-drive module)/gear ratio of mid-drive module/bike.