SUNTOUR
1991
BICYCLE
COMPONENTS

Group Chart
&
Specifications

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INTRODUCTION

The challenge we faced in designing our 1991 products was to continue our "Lighter, Stronger, Smoother" design philosophy while addressing the important issues of timely production and delivery. We have kept product changes to a minimum, and have adopted the following rule: modifications made to improve performance will not affect speed or cost of production, and modifications made to improve speed or cost of production will not affect performance.

SUMMARY OF CHANGES FOR 1991

Rear derailleurs :

The X-1, XCE, XCM, EDGE and BLAZE rear derailleurs feature lighter weight and improved cosmetics through the use of molds from higher-priced derailleurs.
The XCT, XCU, FTU and RT rear derailleurs feature a new shape which we call the "Inverted L" geometry and which allows an increased use of composites in manufacturing. The shifting geometry of this new shape is fully compatible with previous SUNTOUR derailleurs and shift levers.

Front derailleurs :

All front derailleurs except XCU and RT are available with 1-1/8" (28.6mm), 1-1/4" (31.4mm), and 1-3/8" (35.0mm) clamp sizes.
The XCE, XCM, XCT, XCU, FTU, EDGE, BLAZE, VX, and RT front derailleurs use cage designs from higher-priced derailleurs for improved shifting performance and cosmetics.
Our Top-pull front derailleur continues to be available for bikes using top tube-routed cables.

Cassette freewheels :

All freehubs have been redesigned and feature removable freewheel bodies. The freewheel body/hub shell joint strength has been substantially increased.

Crankset :

The "hidden bolt" design of the XCE, XCM, EDGE and BLAZE mid-price cranks has been changed to the more traditional spider and chainring mounting design.
Two new lower-priced crank designs are available for XCT, XCU, FTU, VX and RT groups. They use aluminum alloy arms and steel swaged chainrings. These cranks are lighter and more attractive than previous offerings in this price range.
There is a new triple crankset for fitness bikes, featuring a 130mm bolt circle for the inner chainring.

Chainrings :

All chainrings at all price points are round and incorporate the PoweRing design.

Accushift Plus :

With Accushift Plus freewheels and chains, and PoweRing cranksets standard at all price points, SUNTOUR's Accushift Plus shifting system is now standard with all drivetrains.

WTB/SUNTOUR Grease Guard System :

Standard with the XC-PRO bottom bracket, headset, hub, and pedal.
Optional with the SUPERBE-PRO bottom bracket and headset.

High-performance component options :

New optional components featuring lighter weight and/or enhanced performance are available at several different price points. A lightweight front hub, freehub and bottom bracket, making extensive use of 7078 aluminum alloy for weight reduction, are options with the XC-PRO and SL groups. They offer weight savings of 10% to 30%.
Special low-profile cantilever brakes are an option for the XC-PRO and XC-COMP ATB groups.

OTHER CHANGE AND IMPROVEMENTS

ATB COMPONENTS

XC-LTD Group :
This is an update of the successful but three year old XCD group. It features new brakes and crankset, and a contemporary look.

BEAST :
The SUNTOUR Browning Electronic Accushift Transmission continues as an option with the XC-PRO component group.

X-PRESS shifter :
Three different X-PRESS levers are available.
The new high-end lever is lighter and more compact; and a new low-end lever has been added. All levers feature minor modifications for improved performance.

Standard thumb shifter :
Standard thumb shifters remain an option at all price points.

Wishbone shifter :
A new underbar-mount shift lever has been developed for low-priced bikes using the XCT, XCU and FTU components. It features the shifting action of a standard thumb shifter combined with a new ergonomic design and underbar positioning.

Cantilever brakes :
A new forging process allows us to offer cold-forged aluminum alloy brakes at lower price points than ever before.
These new brakes also feature new low-profile designs. They are available with XC-LTD, X-1, XCE, and XCM groups.

Brake levers :
The brake levers from XC-LTD down have been upgraded with new designs or better quality.

ROAD COMPONENTS

SL Group :

The SL group is a totally new road group which replaces the Sprint group and combines all of our latest design, performance and manufacturing advances. Aggressive design and innovative use of aluminum alloy result in a weight savings of 15%.

Command shifter :

The Command shifter continues in our line as an alternative to down tube, stem or handlebar-end mounted shift levers.

Brake calipers :

A new lightweight and aerodynamic brake caliper has been developed for the SL and RADIUS groups.

FITNESS/CITY COMPONENTS

FT and FTU Group :

These two groups are a development of designs originally created for sophisticated European and Japanese city/sports bike markets.

1991 PRODUCTS SUMMARY OF NEW FEATURES

A.T.B. & Fitness Group

Group	X-Press Shifter	Wishbone Shifter	Thumb Shifter	Multi Mount	Freehub & Cogs	AP-Chain	PoweRing	SE	BRS	Cartridge Bearing	Grease Guard System	Microlite	Standard Cluster
XC-PRO	●	–	●	●	●	●	●	●	●	●	● ※①	○ ※③	7-Speed
XC-COMP	●	–	●	●	●	●	●	●	●	–	–	–	7-Speed
XC-LTD	●	–	○	●	●	●	●	–	●	–	–	–	7-Speed
X-1	●	–	○	–	○	●	●	–	●	–	–	–	7-Speed
X-1 CHROMA	○	–	●	–	○	●	●	–	●	–	–	–	7-Speed
XCE	●	–	○	–	○	●	●	–	●	–	–	–	7-Speed
XCM	●	○	○	–	–	●	●	–	●	–	–	–	7-Speed
XCT	●	●	○	–	–	●	●	–	●	–	–	–	7-Speed
XCU	○	●	○	–	–	●	●	–	●	–	–	–	6-Speed
FTU	●	○	–	–	–	●	●	–	●	–	–	–	7-Speed
FU	●	–	–	–	–	●	–	–	–	–	–	–	7-Speed

Light-weight Group

Group	Command Shifter	Freehub & Cogs	AP-Chain	PoweRing	BRS	Cartridge Bearing	Grease Guard System	Clipless Pedal	Microlite	Standard Cluster
SUPERBE-PRO	○	●	●	–	●	●	● ※②	●	○ ※④	7-Speed
SL	○	●	●	●	●	–	–	●	○ ※⑤	7-Speed
GPX	○	●	●	●	●	–	–	●	–	7-Speed
RADIUS	○	○	●	●	●	–	–	–	–	7-Speed
EDGE	○	○	●	●	●	–	–	–	–	7-Speed
BLAZE	–	–	●	●	●	–	–	–	–	7-Speed
VX	–	–	●	●	●	–	–	–	–	7-Speed
RT	–	–	●	●	●	–	–	–	–	6-Speed

●= Standard (※① Hub, Freehub, Bottom bracket, Pedal, Headset. ※② Headset, Microlite Bottom bracket [optional].)
○= Optional (※③ Front Hub, Bottom bracket. ※④ Bottom bracket only. ※⑤ Front Hub, Freehub, Bottom bracket.)

BICYCLE COMPONENTS

Group chart & Specifications



A.T.B., Fitness

Component Group Chart

A.T.B '91 Model

SUNTOUR BEAST

BT-SB00
BT-SA00

BT-IG00
BT-BU00

★ SL-XP10-R6

SL-XP00-R6

★ HB-XP01-F【GGS】

★ FH-XP01-6【GGS】

CS-AP00-S6

★ HB-XP01-R【GGS】

FW-AL10-S6

SUNTOUR XC PRO

FD-XP00-GXH

RD-XP00-GXB

★ SL-XP10-R7

★ SL-XP10-L

★ HB-XP01-F【GGS】
☆★ HB-XP10-F【ML】

★ FH-XP01-7

CS-AP00-S7

RD-XP00-GTB

FD-TP00

SL-XP00-R7

SL-XP00-L

★ HB-XP01-R【GGS】

FW-AL10-S7

SUNTOUR XC COMP

FD-XC10-GXH

RD-XC20-GXB

★ SL-XP10-R7

★ SL-XP10-L

★ HB-XC02-F

★ FH-XC00-7

CS-AP00-S7

RD-XC20-GTB

FD-TP00

SL-XP00-R7

SL-XP00-L

New Group

SUNTOUR XC LTD

★ FD-XL00-GXH

★ RD-XL00-GXB

★ SL-XL10-R7

★ SL-XL10-L

★ HB-XL00-F

★ FH-XL00-7

CS-AP00-K7

FD-TP00

★ SL-XL00-R7

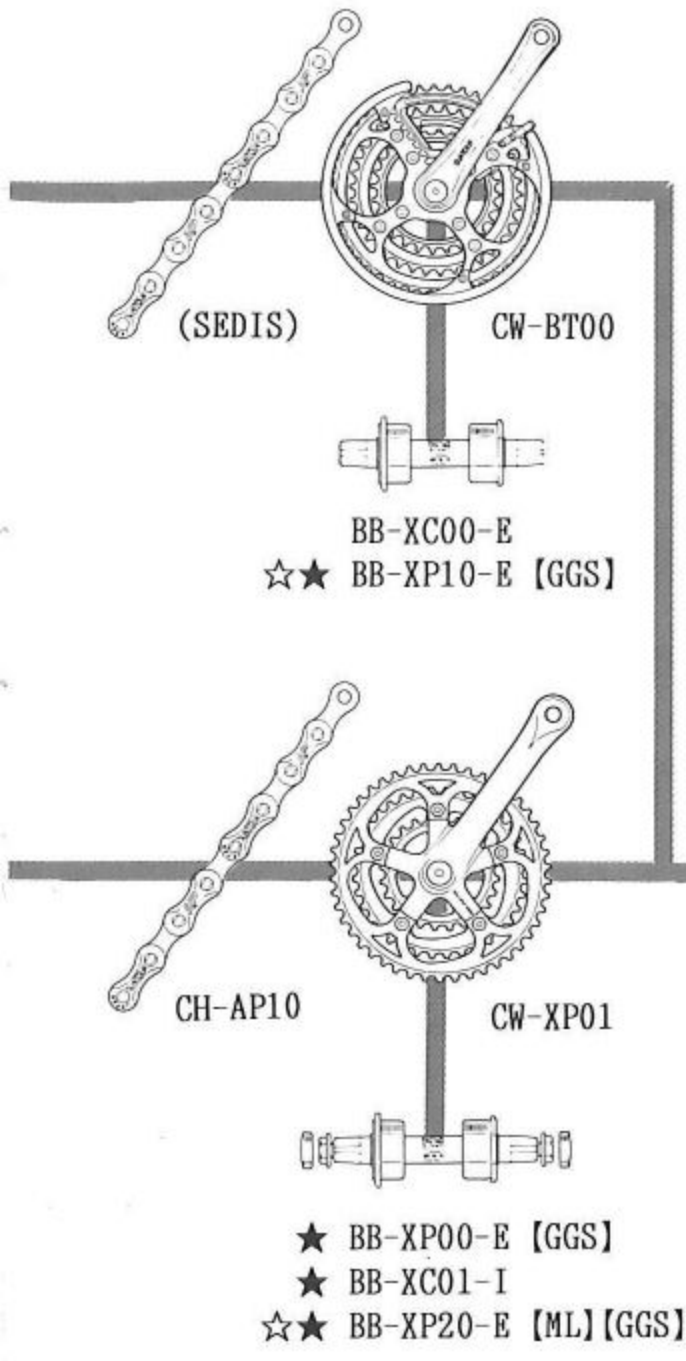
★ SL-XL00-L

★ HB-XL00-R

FW-AL10-K7

EXPLANATORY NOTES

★ New Product
☆ Option
【SE】 Self Energizing System
【GGS】 Grease Guard Sysyem
【ML】 Microlite
【LP】 Low Profile Model
【DC】 Dia-Compe Product
【SR】 Sakae Ringyo Product



(SEDIS)

CW-BT00

BB-XC00-E
☆★ BB-XP10-E【GGS】

CH-AP10

CW-XP01

★ BB-XP00-E【GGS】
★ BB-XC01-I
☆★ BB-XP20-E【ML】【GGS】

CT-XP00
☆ CT-XP20【LP】

BL-XP00-N
BL-XP00-S

CT-XP10【SE】

★ PL-XP01【GGS】

★ HS-XP01【GGS】

SP-XC00

SB-XP00

★ OT-SH00

OT-GP00

CH-AP10

★ CW-XC01

★ BB-XC01-E
★ BB-XC01-I

★ CT-XC01
☆ CT-XP20【LP】

★ BL-XC01-N
★ BL-XC01-S

CT-XP10【SE】

PL-XC20

SP-XC00

CH-AP20

★ CW-XL00

★ BB-XC01-E
★ BB-XC01-I

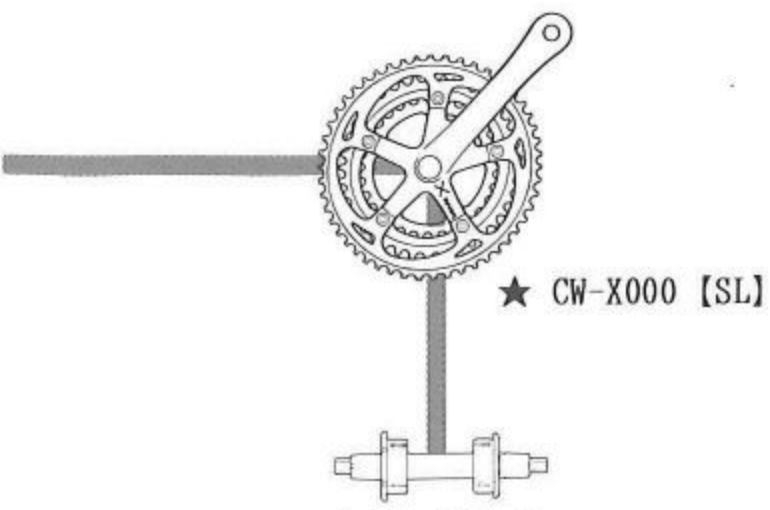
★ BL-XL00-S

★ CT-XL00

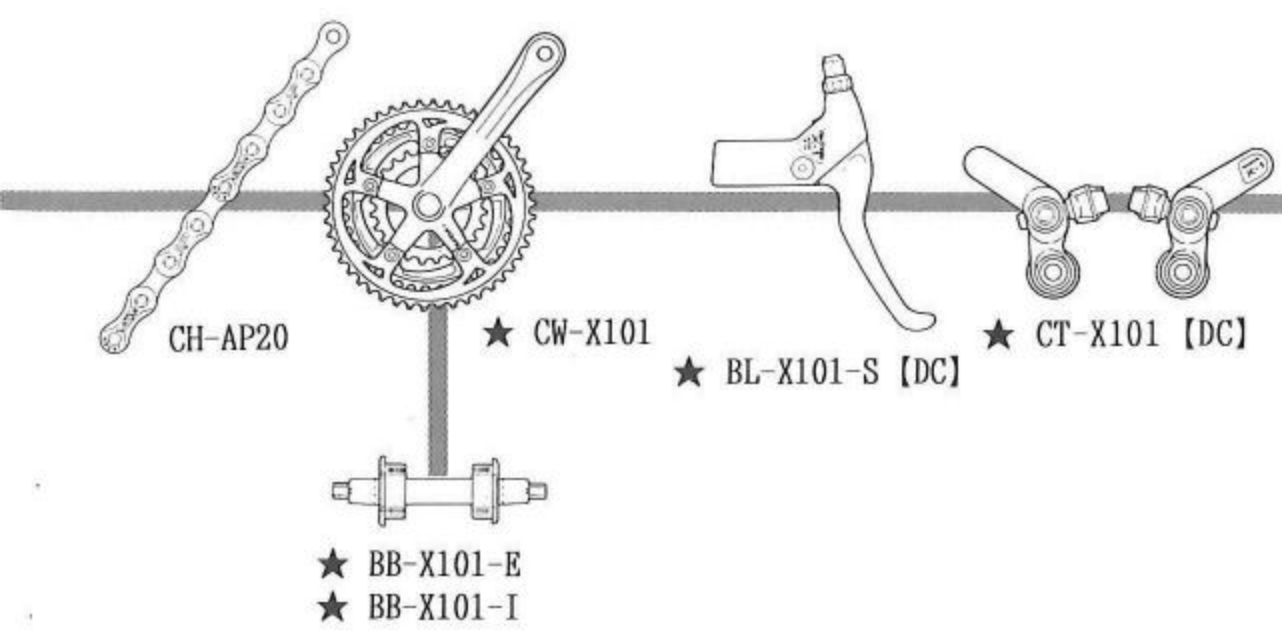
★ PL-XL00

EXPLANATORY NOTES

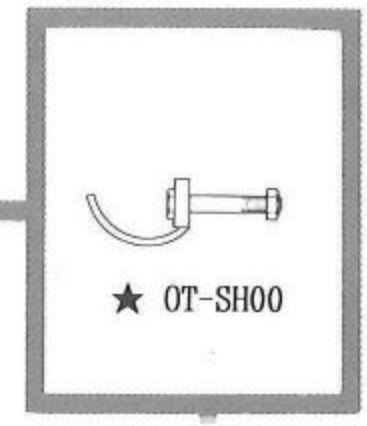
★ New Product
☆ Option
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【GGS】 Grease Guard Sysyem
【ML】 Microlite
【LP】 Low Profile Model
【DC】 Dia-Compe Product
【SR】 Sakae Ringyo Product



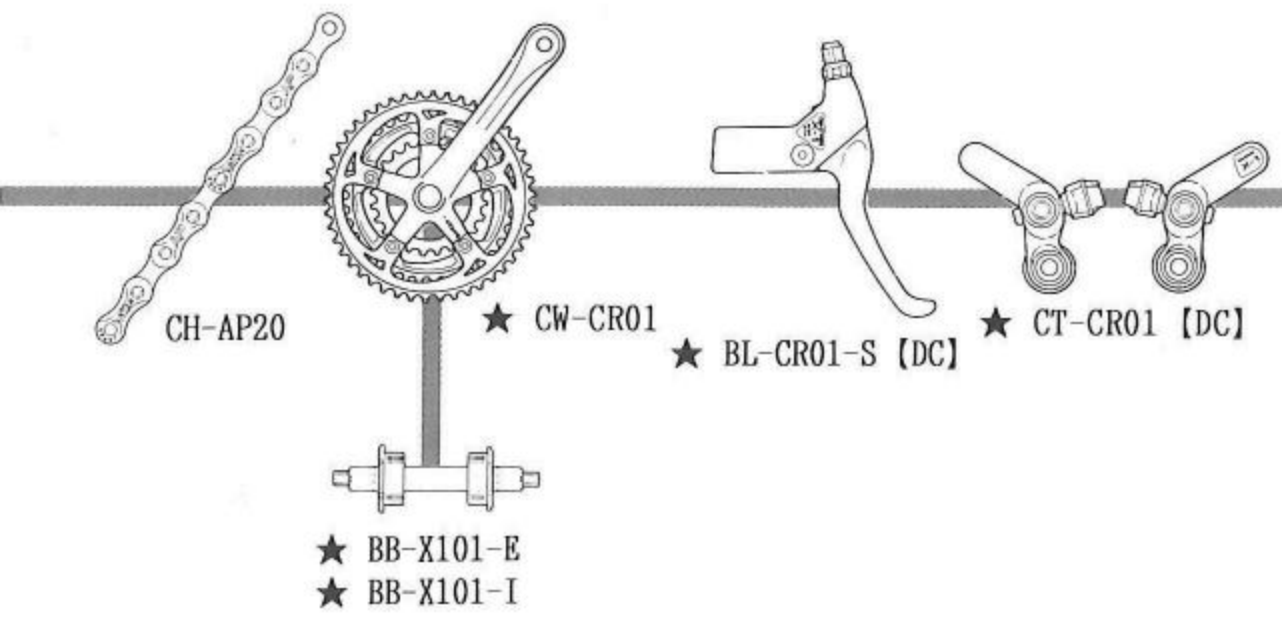
★ CW-X000 【SL】
★ BB-X101-E
★ BB-X101-I



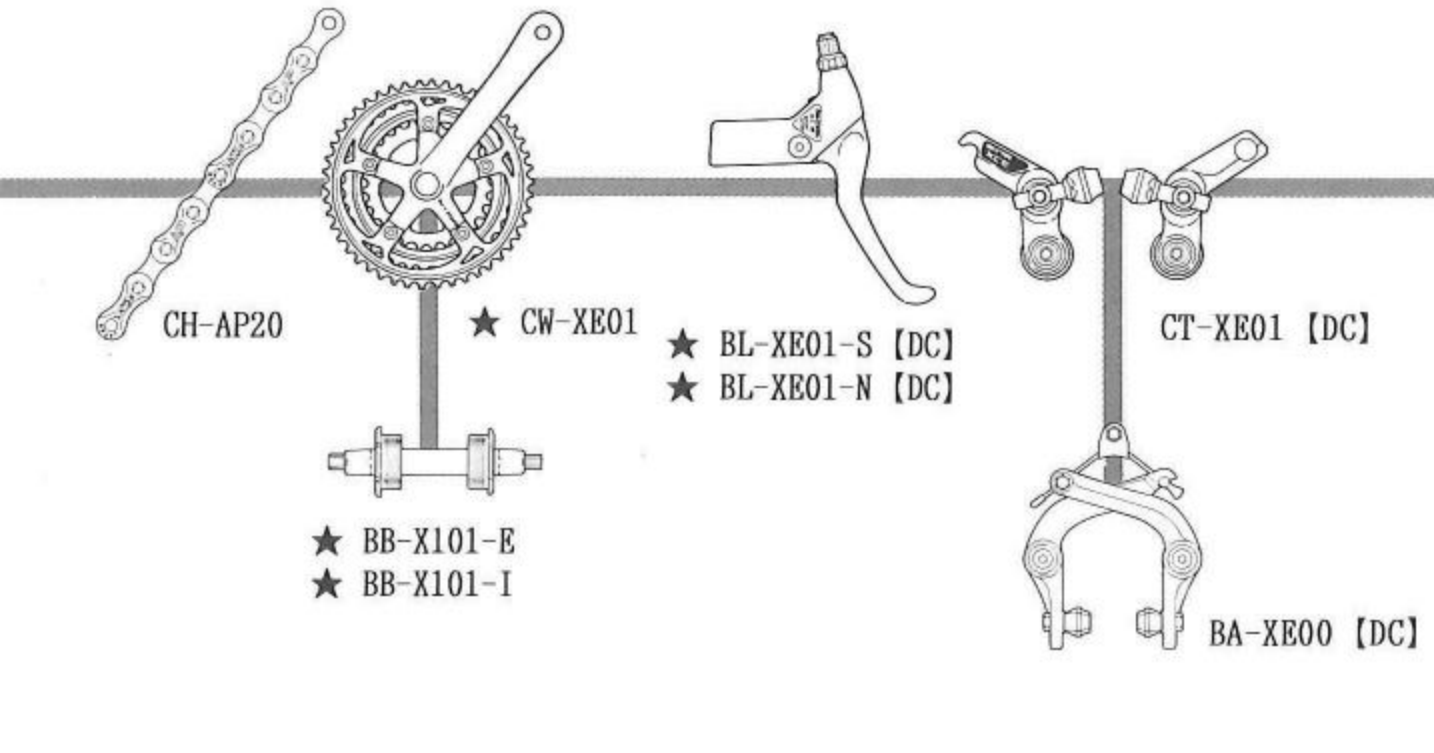
CH-AP20
★ CW-X101
★ BL-X101-S 【DC】
★ CT-X101 【DC】
★ BB-X101-E
★ BB-X101-I



★ OT-SH00



CH-AP20
★ CW-CR01
★ BL-CR01-S 【DC】
★ CT-CR01 【DC】
★ BB-X101-E
★ BB-X101-I

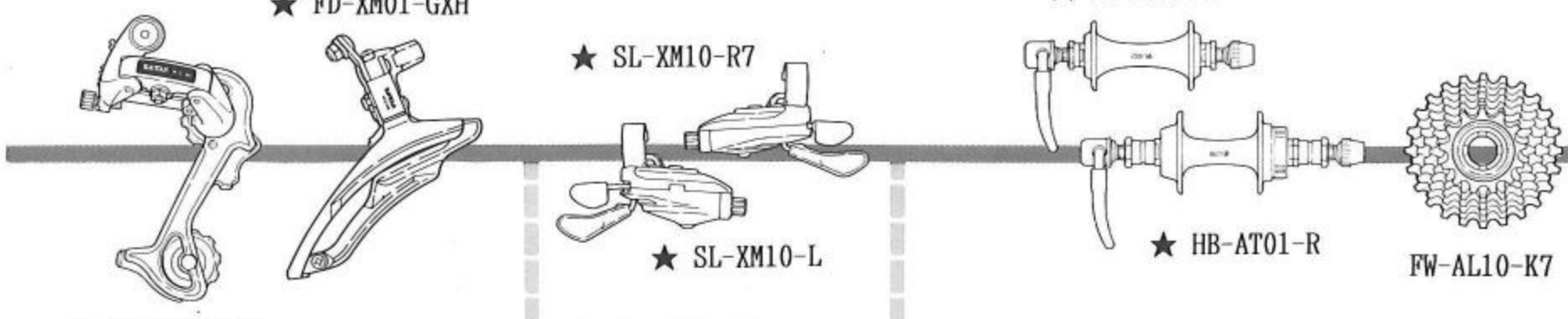


CH-AP20
★ CW-XE01
★ BL-XE01-S 【DC】
★ BL-XE01-N 【DC】
CT-XE01 【DC】
★ BB-X101-E
★ BB-X101-I
BA-XE00 【DC】

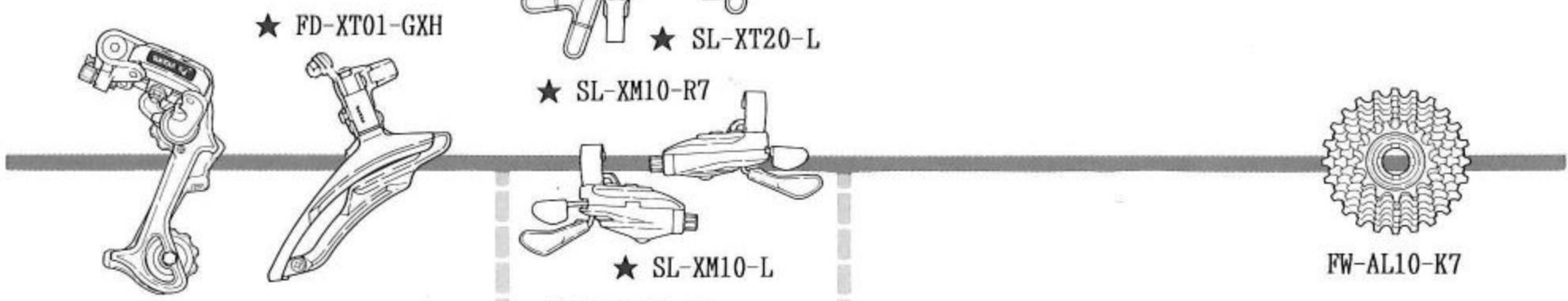
Component Group Chart

A.T.B '91 Model

SUNTOUR XCM

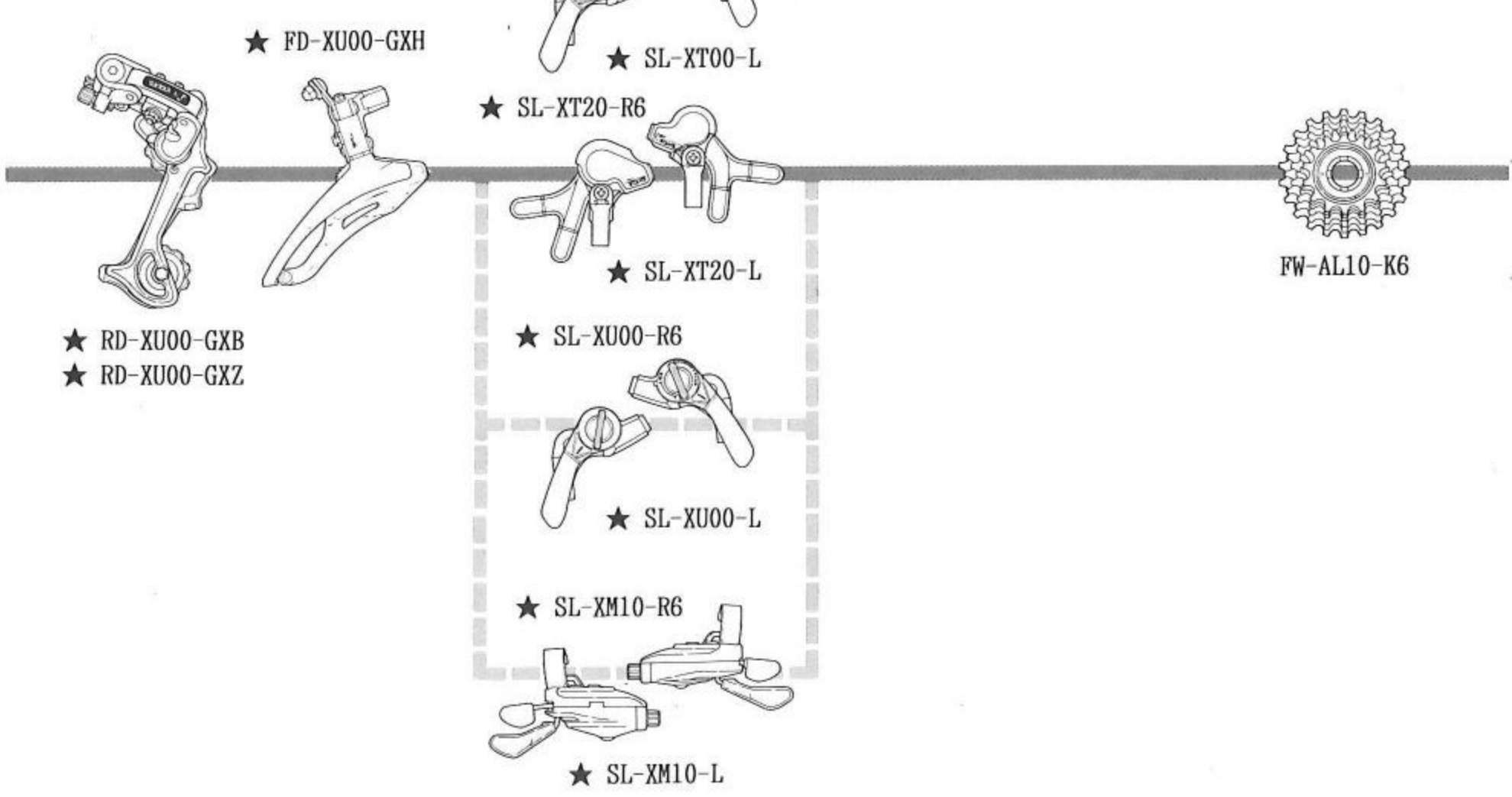


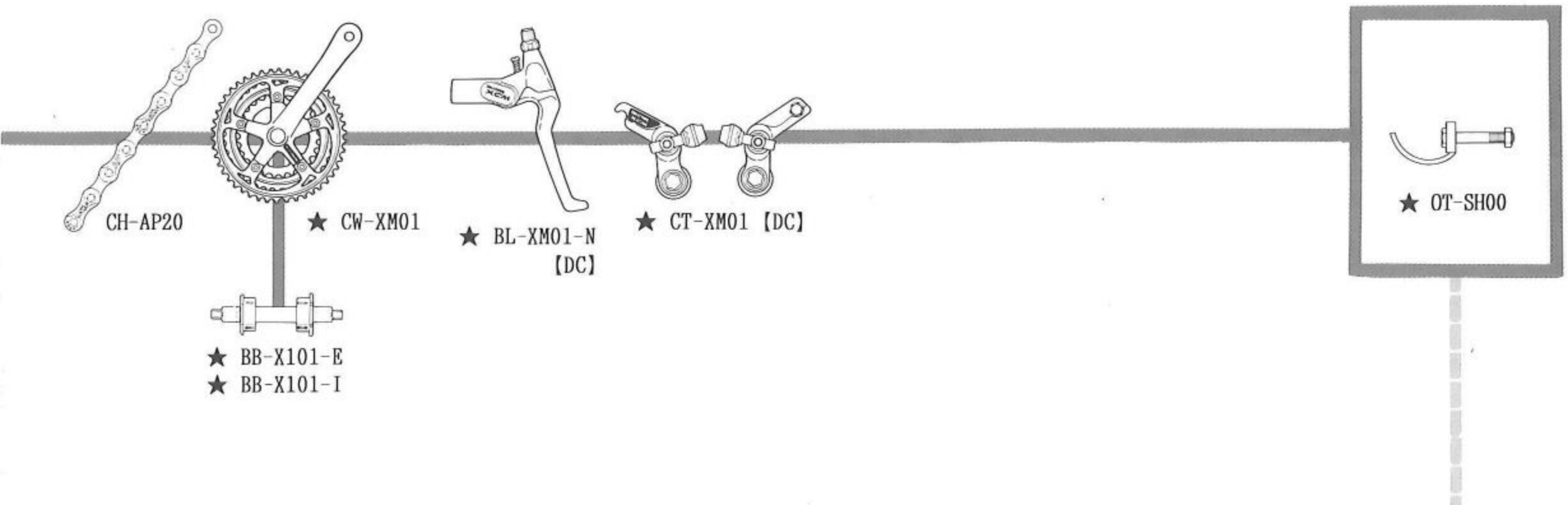
SUNTOUR XCJ

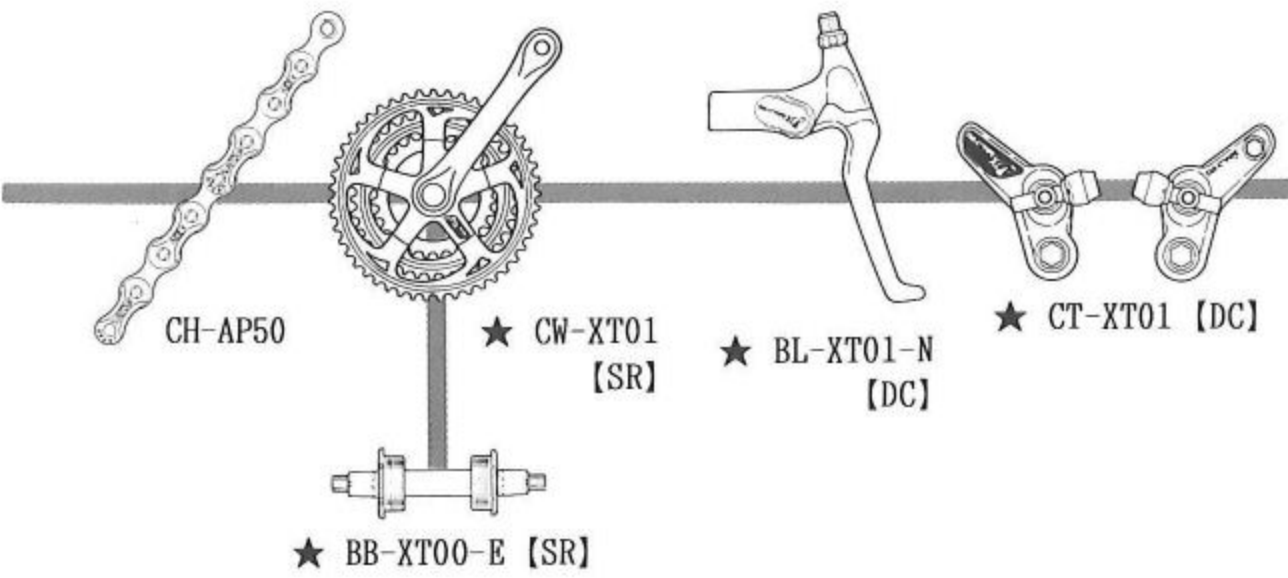


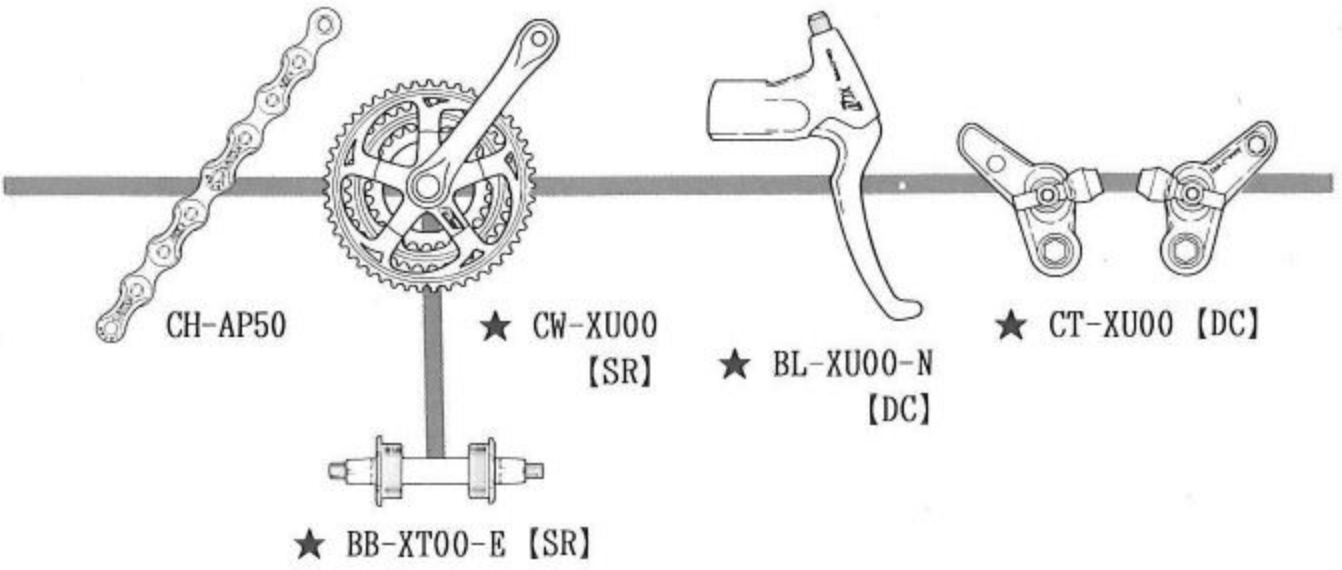
New Group

SUNTOUR XCLT









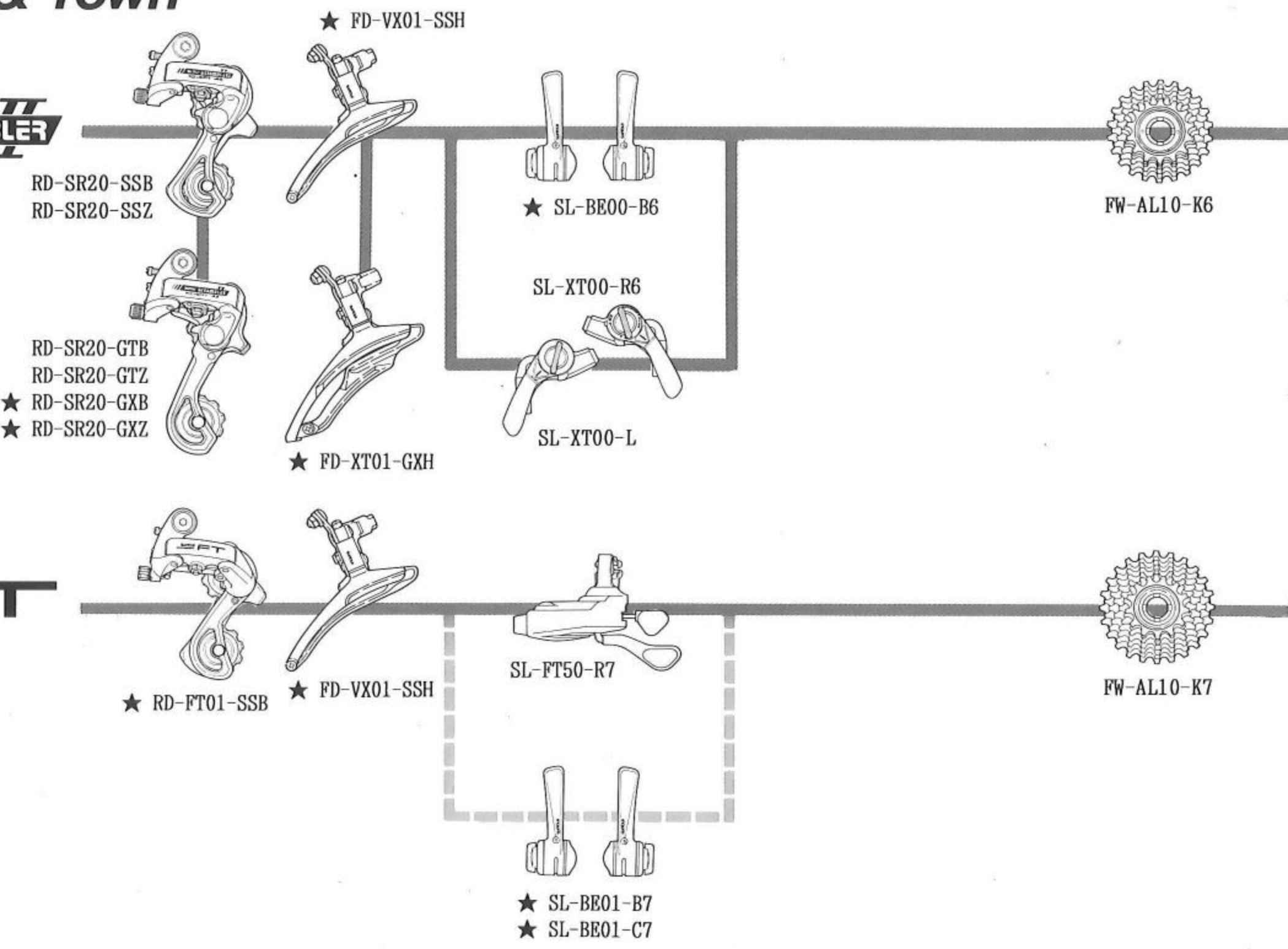
EXPLANATORY NOTES

★	New Product
☆	Option
【SE】	Self Energizing System
【GGS】	Grease Guard Sysyem
【ML】	Microlite
【LP】	Low Profile Model
【DC】	Dia-Compe Product
【SR】	Sakae Ringyo Product

Component Group Chart

Fitness & Town

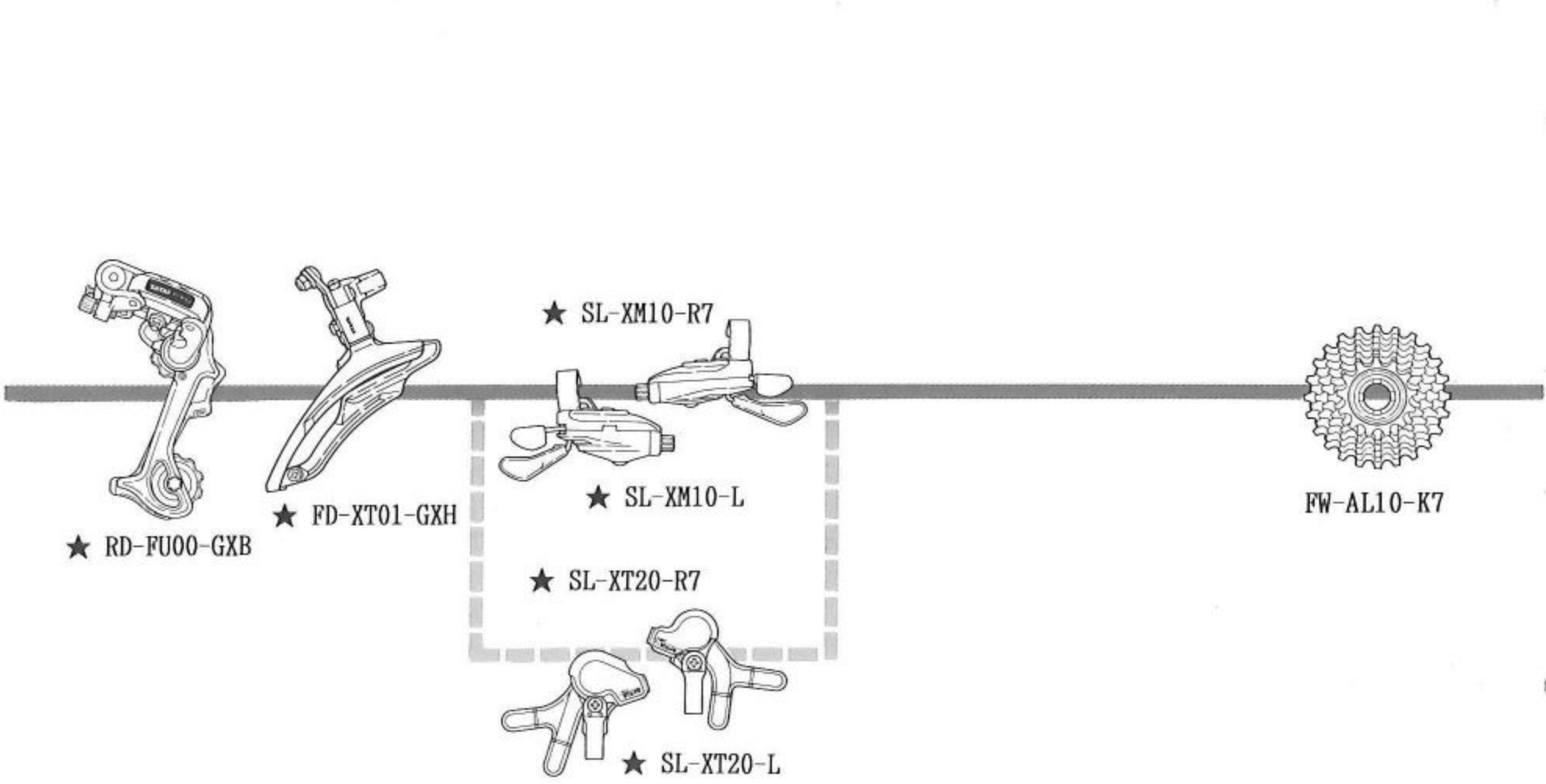
SUNTOUR SCRAMBLER II



SUNTOUR FT

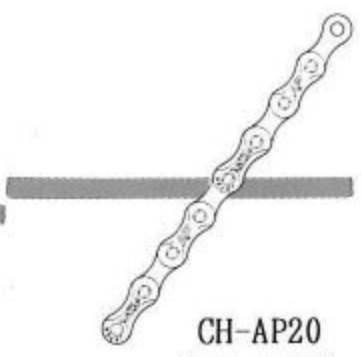
New Group

SUNTOUR FTU

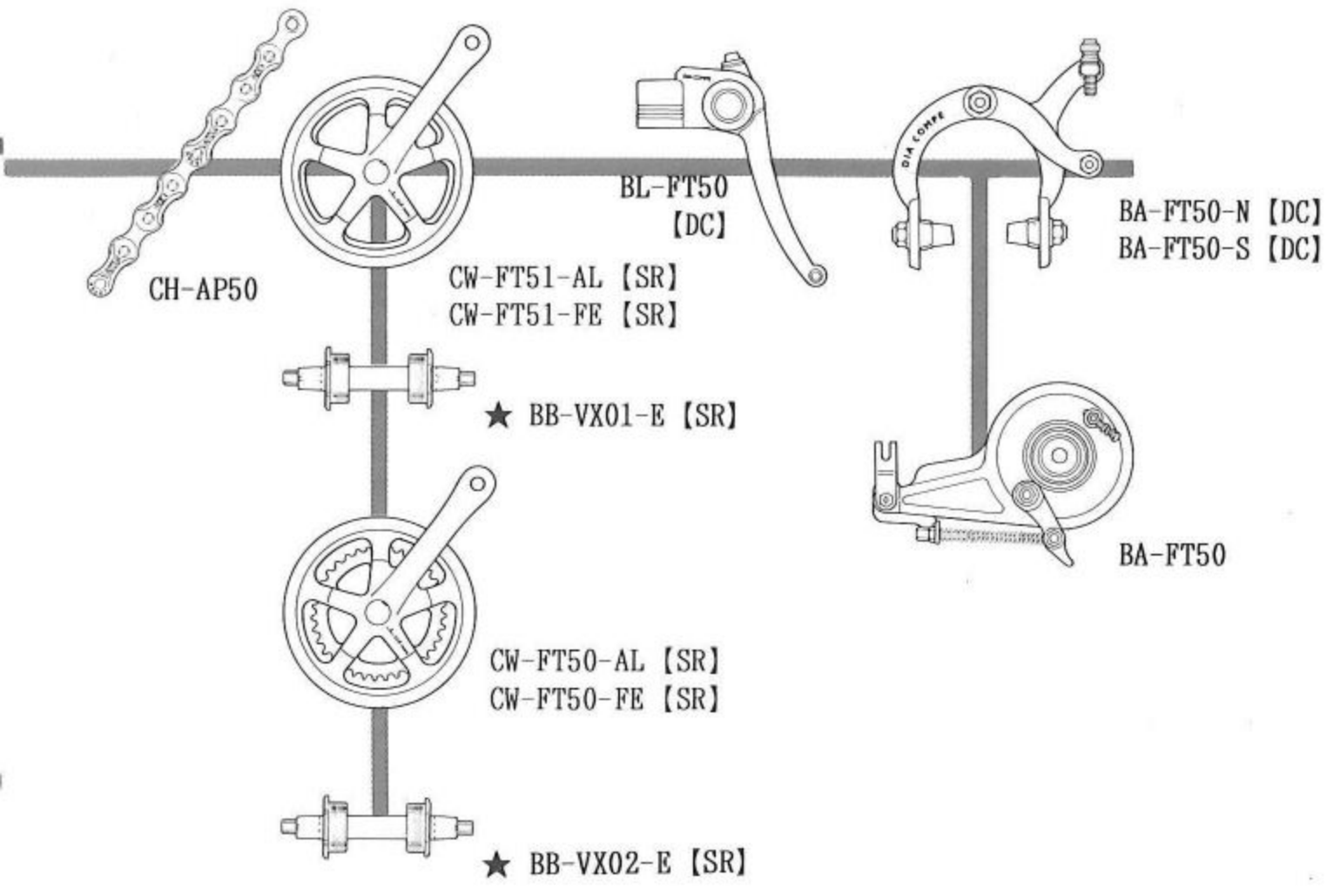


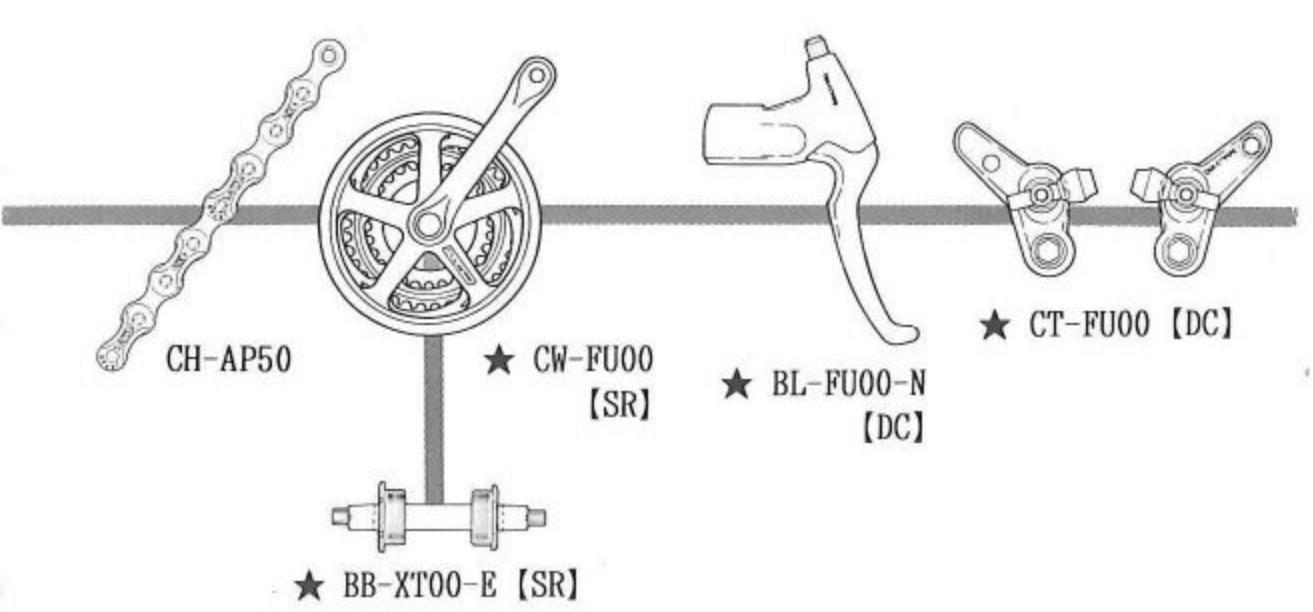
EXPLANATORY NOTES

★ New Product
☆ Option
【SE】 Self Energizing System
【GGS】 Grease Guard Sysyem
【ML】 Microlite
【LP】 Low Profile Model
【DC】 Dia-Compe Product
【SR】 Sakae Ringyo Product

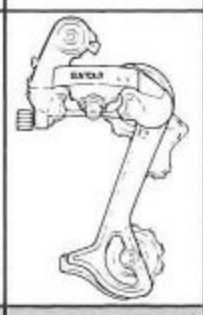


CH-AP20
(CH-AP50)





Rear Derailleur Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-PRO		XC-COMP		XC-LTD	X-1	X-1 Chroma	XCE	XCM
										
Model No.		RD-XP00-GXB	RD-XP00-GTB	RD-XC20-GXB	RD-XC20-GTB	RD-XL00-GXB	RD-X101-GXB	RD-CR01-GXB	RD-XE01-GXB	RD-XM01-GXB
Code No.		24039921	24029921	24099921	24089921	24139921	24239921	24239931(P)	24289921	24339921
ACCUSHIFT PLUS Compatible		●	●	●	●	●	●	●	●	●
Max. Total Capacity ※②		39T	34T	39T	34T	39T	39T	39T	39T	40T
Min. Rear Sprocket		12T	12T	12T	12T	12T	12T	12T	12T	12T
Max. Rear Sprocket ※①	Dropout/24mm	28T	28T	28T	28T	28T	28T	28T	28T	28T
	Dropout/26mm	30T	30T	30T	30T	30T	30T	30T	30T	30T
	Dropout/28mm	32T	32T	32T	32T	32T	32T	32T	32T	32T
Max. Chainwheel Diff.		Below 22T	Below 20T	Below 22T	Below 20T	Below 22T	Below 22T	Below 22T	Below 22T	Below 20T
Slant Trapezoid		●	●	●	●	●	●	●	●	●
Double Sealed Mechanism		●	●	●	●	●	●	●	●	—
Brass Bushings		●(1P)	●(1P)	●(1P)	●(1P)	●(2P)	●(2P)	●(2P)	●(2P)	—
Cartridge Bearing Pulley		●	●	—	—	—	—	—	—	—
Chain Length Indicator		●	●	●	●	●	●	●	●	●
Double Spoke Guard		●	●	●	●	●	●	●	●	●
Pre-Select Mechanism		—	—	—	—	—	—	—	—	—
Weight: g (w/o Bracket)		275	265	262	253	308	309	309	310	308

Rear Derailleur Specifications (ATB)

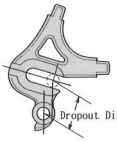
COMPONENT / SPECIFICATIONS		XCT	XCU
		 ※③	 ※④
Model No.		RD-XT01-GXB	RD-XU00-GXB
Code No.		24389921	24439921
ACCUSHIFT PLUS Compatible		●	●
Max. Total Capacity ※②		39T	39T
Min. Rear Sprocket		13T	13T
Max. Rear Sprocket ※①	Dropout/24mm	28T	28T
	Dropout/26mm	30T	30T
	Dropout/28mm	30T	30T
Max. Chainwheel Diff.		Below 20T	Below 20T
Slant Trapezoid		●	●
Double Sealed Mechanism		—	—
Brass Bushings		●(2P)	—
Cartridge Bearing Pulley		—	—
Chain Length Indicator		●	●
Double Spoke Guard		●	●
Pre-Select Mechanism		—	—
Weight: g (w/o Bracket)			

COMPONENT / SPECIFICATIONS		SCRAMBLER			FT	FTU
		 ※⑤	 ※⑥	 ※⑦		
Model No.		RD-SR20-SSB	RD-SR20-GTB	RD-SR20-GXB	RD-FT01-SSB	RD-FU00-GXB
Code No.		23709921	23719921	23729921	23959921	23989921
ACCUSHIFT PLUS Compatible		●	●	●	●	●
Max. Total Capacity ※②		28T	34T	40T	28T	39T
Min. Rear Sprocket		12T	13T	13T	12T	13T
Max. Rear Sprocket ※①	Dropout/24mm	26T	26T	28T	26T	28T
	Dropout/26mm	28T	28T	30T	28T	30T
	Dropout/28mm	28T	28T	32T	28T	30T
Max. Chainwheel Diff.		Below 12T	Below 18T	Below 20T	Below 13T	Below 20T
Slant Trapezoid		●	●	●	●	●
Double Sealed Mechanism		—	—	—	—	—
Brass Bushings		—	—	—	—	—
Cartridge Bearing Pulley		—	—	—	—	—
Chain Length Indicator		●	●	●	●	●
Double Spoke Guard		●	●	●	●	●
Pre-Select Mechanism		●	●	●	●	—
Weight: g (w/o Bracket)		260	288			

※① Dropout Dimension (See Fig-1 & Fig-2) ※② The capacity is calculated under normal component specifiations. Number may vary accoring to chainring size, chainring differential, hub position, freewheel space, chainstay length, etc. ※③ w/Bracket type available (Model:XT01-GXZ/Code No.24389901)
※④ w/Bracket type available (Model:XU00-GXZ/Code No.24439901) ※⑤ w/Bracket type available (Model:SR20-SSZ/Code No.23709901)
※⑥ w/Bracket type available (Model:SR20-GTZ/Code No.23719901) ※⑦ w/Bracket type available (Model:SR20-GXZ/Code No.23729901)

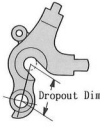
Front Derailleur Specifications (ATB)

Horizontal Dropout



【Fig. 1】

Vertical Dropout



【Fig. 2】

SPECIFICATIONS \ COMPONENT		XC-PRO	XC-COMP	XC-LTD	TOP-PULL	X-1
Model No.	Clamp-on type	FD-XP00-GXH	FD-XC10-GXH	FD-XL00-GXH	FD-TP00-GXH	FD-X100-GXH
Code No.	28.6mm	28819911	28839911	28849911	28889911	29019811
	31.8mm	28819915	28839915	28849913	28889915	29019815
Capacity ※①		24T	24T	24T	24T	24T
Min.Gear Difference		Above 7T	Above 7T	Above 7T	Above 7T	Above 7T
Stroke (mm)		36～57	36～57	36～57	36～57	36～57
Cable Casing Option		–	–	–	–	●
Stainless Steel Pivot Pin		●(2P)	●(2P)	●(2P)	●(1P)	●(1P)
High Performance Cage		●	●	●	●	●
Special Heat Treated Cage		●	●	●	●	●
Brass Bushing		●	●	●	–	–
Weight: g		116	116	116	116	109

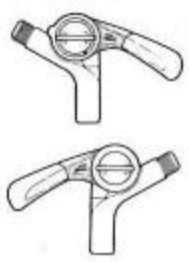
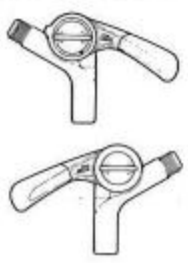
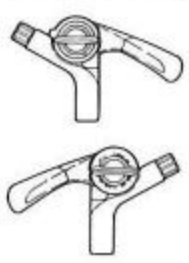
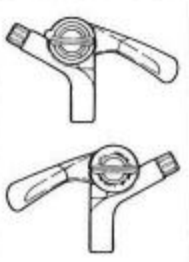
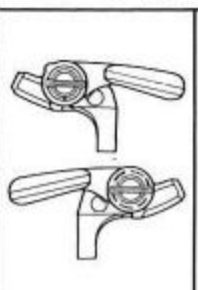
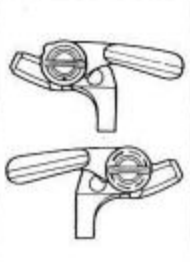
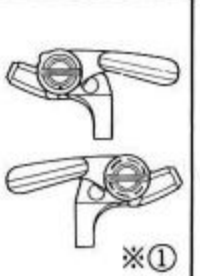
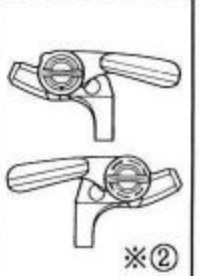
※① The gear capacity above is calculated for average frame and component specifications. Number may vary according to the special features of the bicycle.

Front Derailleur Specifications (ATB)

SPECIFICATIONS \ COMPONENT		X-1 CHROMA	XCE	XCM	XCT	XCU	SCRAMBLER
		※②					※③
Model No.	Clamp-on type	FD-CR00-GXH	FD-XE01-GXH	FD-XM01-GXH	FD-XT01-GXH	FD-XU00-GXH	FD-4200
Code No.	28.6mm	29019841 (P)	29869911	29879911	29899911	29909811	29509941
	31.8mm	–	29869913	29879913	29899913	–	–
Capacity ※①		24T	24T	24T	24T	24T	20T
Min.Gear Difference		Above 7T	Above 7T	Above 7T	Above 7T	Above 7T	Above 8T
Stroke (mm)		36～57	36～57	36～57	36～57	36～57	38～53
Cable Casing Option		●	●	●	●	●	●
Stainless Steel Pivot Pin		●(1P)	●(1P)	–	–	–	● (1P)
High Performance Cage		●	●	●	●	●	●
Special Heat Treated Cage		●	●	●	●	●	●
Brass Bushing		–	–	–	–	–	–
Weight: g		110	109			114	160

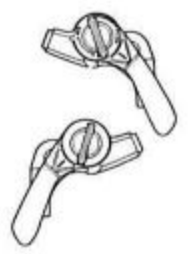
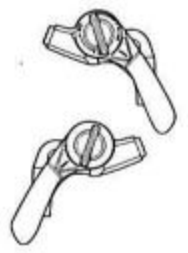
※① The gear capacity above is calculated for average frame and component specifications. Number may vary according to the special features of the bicycle.
※② X-1 CHROMA: (P)-Pink, Green=29019842, Yellow=29019843 ※③Front Index Type.

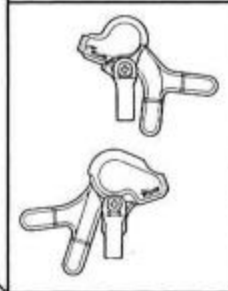
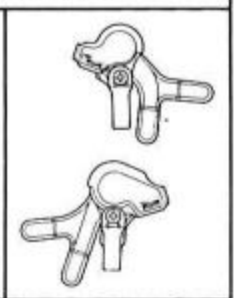
Shift Lever Specifications
(ATB) Thumb shifter

COMPONENT / SPECIFICATIONS		XC-PRO, XC-COMP		XC-LTD		X-1, XCE, XCM		X-1 CHROMA	
								 ※①	 ※②
Right Lever	Model No.	SL-XP00-R7	SL-XP00-R6	SL-XL00-R7	SL-XL00-R6	SL-X101-R7	SL-X101-R6	SL-CR01-R7	SL-CR01-R6
	Code No.	33109571	33109561	33279571	33279561	33459571	33459561	33459575(P)	33459565(P)
Left Lever	Model No.	SL-XP00-L	SL-XP00-L	SL-XL00-L	SL-XL00-L	SL-X101-L	SL-X101-L	SL-CR01-L	SL-CR01-L
	Code No.	33109701	33109701	33279701	33279701	33459701	33459701	33459711(P)	33459711(P)
Left／Right		Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●
	Power	● / –	● / –	● / –	● / –	– / –	– / –	● / –	● / –
	Friction	– / ●AP	– / ●AP	– / ●AP	– / ●AP	● / ●AP	● / ●AP	● / ●AP	● / ●AP
Mode Selection Feature		– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●
Compatible Freewheel in Index Mode	Ultra-7S	●	–	●	–	●	–	●	–
	Regular-6S	–	●	–	●	–	●	–	●
Mounting Position		Handleber	Handleber	Handleber	Handleber	Handleber	Handleber	Handleber	Handleber
Clamp Diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
Standard Cable Length		See Table(B)	See Table(B)	See Table(B)	See Table(B)	See Table(B)	See Table(B)	See Table(B)	See Table(B)
Weight: g/pr.		149	149	143	143	151	151	151	148

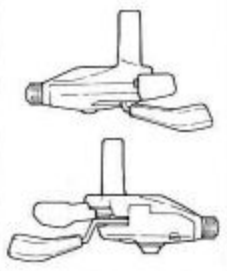
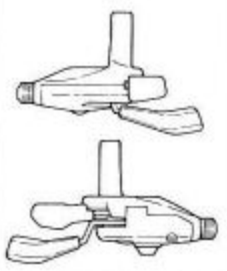
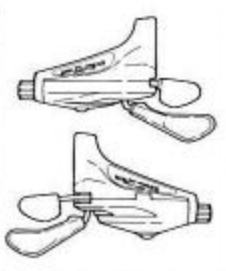
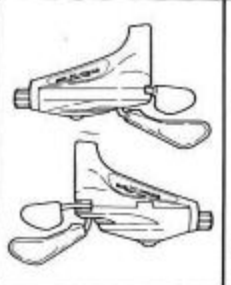
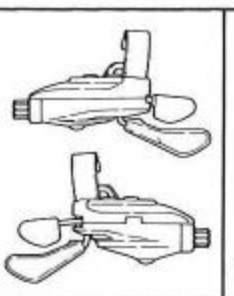
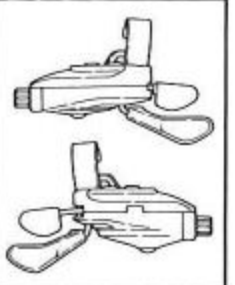
※① Chroma 7-Speed right lever Code No: Green (33459577), Yellow (33459579), (P)=Pink color.
Left lever Code No: Green (33459713), Yellow (33459715), (P)=Pink color.
※② Chroma 6-Speed right lever Code No: Green (33459567), Yellow (33459569), (P)=Pink color.
Left lever Code No: Green (33459713), Yellow (33459715),

Shift Lever Specifications
(ATB) Thumb shifter

COMPONENT / SPECIFICATIONS		XCT		XCU
				
Right Lever	Model No.	SL-XT00-R7	SL-XT00-R6	SL-XU00-R6
	Code No.	33709571	33709561	33889561
Left Lever	Model No.	SL-XT00-L	SL-XT00-L	SL-XU00-L
	Code No.	33709701	33709701	33889701
Left／Right		Left / Right	Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●	– / ●
	Power	● / –	● / –	– / –
	Friction	– / ●AP	– / ●AP	● / ●AP
Mode Selection Feature		– / ●	– / ●	– / ●
Compatible Freewheel in Index Mode	Ultra-7S	●	–	–
	Regular-6S	–	●	●
Mounting Position		Handleber	Handleber	Handleber
Clamp Diameter (mm)		22.2	22.2	22.2
Standard Cable Length		Table (B)	Table (B)	Table (B)
Weight: g/pr.		153	153	

COMPONENT / SPECIFICATIONS		XCM, XCT, XCU, (FTU)	
			
Right Lever	Model No.	SL-XT20-R7	SL-XT20-R6
	Code No.	33859571	33859561
Left Lever	Model No.	SL-XT20-L	SL-XT20-L
	Code No.	33859701	33859701
Left／Right		Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●
	Power	– / –	– / –
	Friction	● / –	● / –
Mode Selection Feature		– / –	– / –
Compatible Freewheel in Index Mode	Ultra-7S	●	–
	Regular-6S	–	●
Mounting Position		Handleber	Handleber
Clamp Diameter (mm)		22.2	22.2
Standard Cable Length		Table (C)	Table (C)
Weight: g/pr.			

Shift Lever Specifications (ATB) X-Press

SPECIFICATIONS \ COMPONENT		XC-PRO, XC-COMP		XC-LTD, X-1, XCE		XCM, XCT, XCU, (FTU)	
							
Right Lever	Model No.	SL-XP10-R7	SL-XP10-R6	SL-XL10-R7	SL-XL10-R6	SL-XM10-R7	SL-XM10-R6
	Code No	33159571	33159561	33289571	33289561	33619571	33619561
Left Lever	Model No.	SL-XP10-L	SL-XP10-L	SL-XL10-L	SL-XL10-L	SL-XM10-L	SL-XM10-L
	Code No.	33159701	33159701	33289701	33289701	33619701	33619701
Left/Right		Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●
	Power	● / –	● / –	● / –	● / –	● / –	● / –
Compatible Freewheel in Index Mode	Ultra-7S	●	–	●	–	●	–
	Regular-6S	–	●	–	●	–	●
Mounting Position		Handleber	Handleber	Handleber	Handleber	Handleber	Handleber
Clamp Diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2
Standard Cable Length		See Table(A)	See Table(A)	See Table(A)	See Table(A)	See Table(A)	See Table(A)
Weight: g/pr				292	292		

Shift Lever Specifications (ATB) X-Press

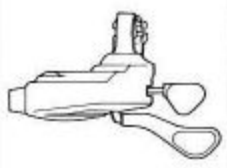
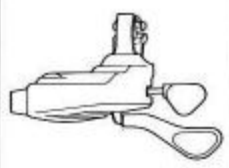
SPECIFICATIONS \ COMPONENT		FT	
			
Right Lever	Model No.	SL-FT50-R7	SL-FT50-R6
	Code No	33809571	33809561
Left Lever	Model No.	–	–
	Code No.		
Left/Right		Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●
	Power	– / –	– / –
Compatible Freewheel in Index Mode	Ultra-7S	●	–
	Regular-6S	–	●
Mounting Position		Handleber	Handleber
Clamp Diameter (mm)		22.2	22.2
Standard Cable Length		See Table(A)	See Table(A)
Weight: g/pr		144	144

Table (A)	Left (Front)	Right (Rear)
Inner Cable	1,500 mm	2,000 mm
Outer Casing	520 mm	520x280 mm

【Fig.3】

* For X-Press

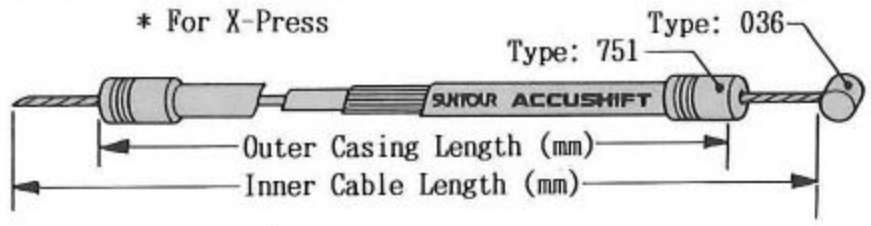


Table (B)	Left (Front)	Right (Rear)
Inner Cable	1,500 mm	2,000 mm
Outer Casing	600 mm	600x280 mm

【Fig.4】

* For Thumb Shifter

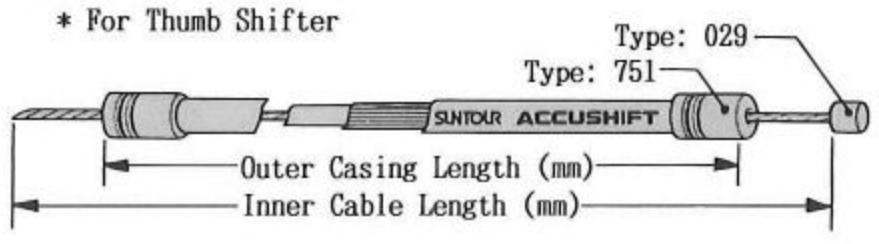
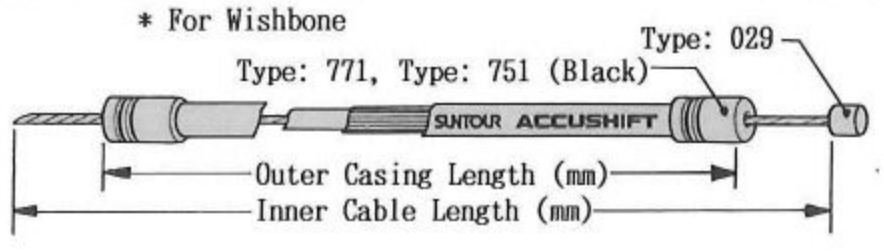


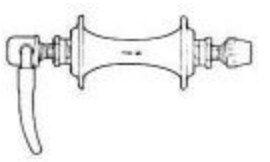
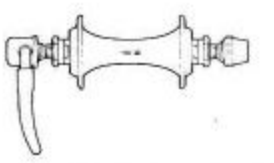
Table (C)	Left (Front)	Right (Rear)
Inner Cable	1,500 mm	2,000 mm
Outer Casing	520 mm	520x280 mm

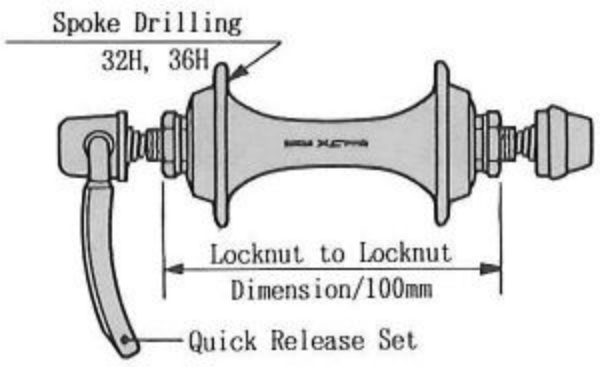
【Fig.5】

* For Wishbone



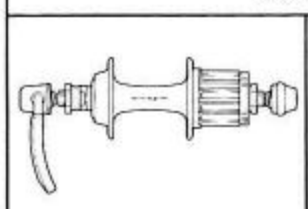
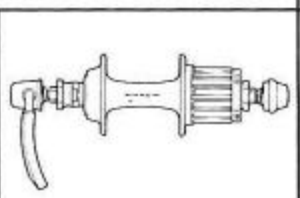
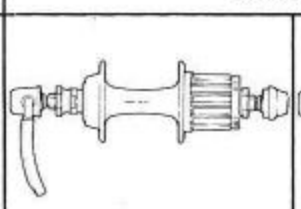
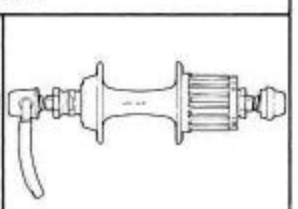
Front Hub Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-PRO	XC-PRO(MICROLITE)	XC-COMP	XC-LTD	X-1, XCE, XCM
						
Model No.		HB-XP01-F	HB-XP10-F	HB-XC02-F	HB-XL00-F	HB-AT01-F
Code No.	32H/100mm	52899111	52919121	52939121	52979121	52989121
	36H/100mm	52899121	52919131	52939131	52979131	52989131
	Q.R/100mm	50249202	50249202	50249242	50249252	50249252
Axle Material		Cr-Mo Steel	Duralumin	Cr-Mo Steel	Cr-Mo Steel	Cr-Mo Steel
Grease Guard System		●	—	—	—	—
Bearing Type		Cartridge	Cartridge	Cup & Cone	Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●	●	●	●
Sealed Mechanism		●	●	●	●	●
Spring-saver		●	●	—	—	—
Weight: g (36H/100mm)						



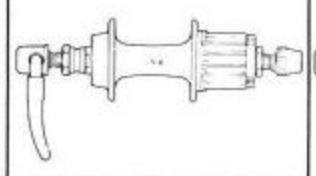
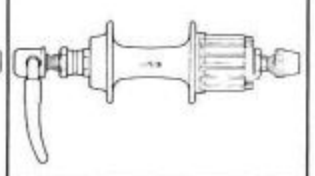
【Fig.6】

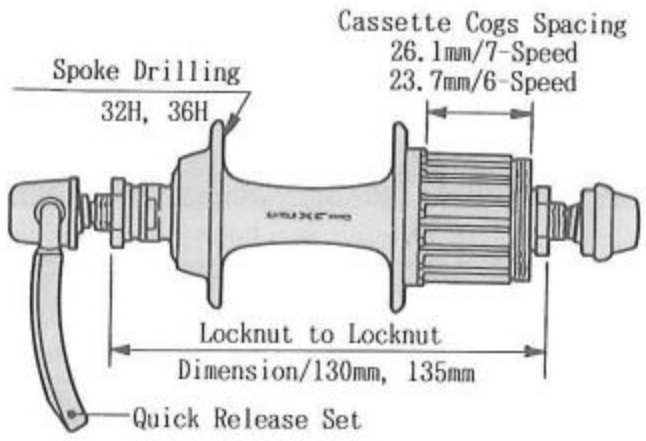
Freehub Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-PRO		XC-COMP	
					
Model No.		FH-XP01-7	FH-XP01-6	FH-XC00-7	FH-XC00-6
Code No.	32H/130mm	47709943	47709913	47719943	47719913
	36H/130mm	47709953	47709923	47719953	47719923
	Q.R/130mm	50249207	50249207	50249247	50249247
	32H/135mm	47709945	—	47719945	—
	36H/135mm	47709955	—	47719955	—
	Q.R/135mm	50249208	—	50249248	—
Grease Guard System		●	●	—	—
Bearing Type		Cartridge ※①	Cartridge ※①	Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●	●	●
Sealing Mechanism		●	●	●	●
Spring-saver		●	●	—	—
Weight: g (36H/126mm)					

※① Left side only.

Freehub Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-LTD	
			
Model No.		FH-XL00-7	FH-XL00-6
Code No.	32H/130mm	47729943	47729913
	36H/130mm	47729953	47729923
	Q.R/130mm	50249257	50249257
	32H/135mm	47729945	—
	36H/135mm	47729955	—
	Q.R/135mm	50249258	—
Bearing Type		Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●
Sealed Mechanism		●	●
Weight: g (36H/126mm)			

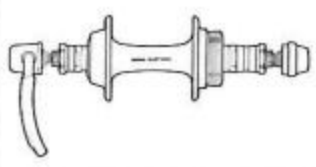
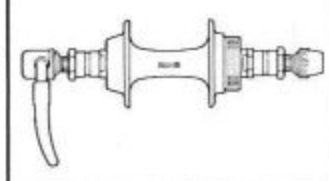
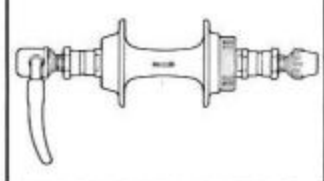


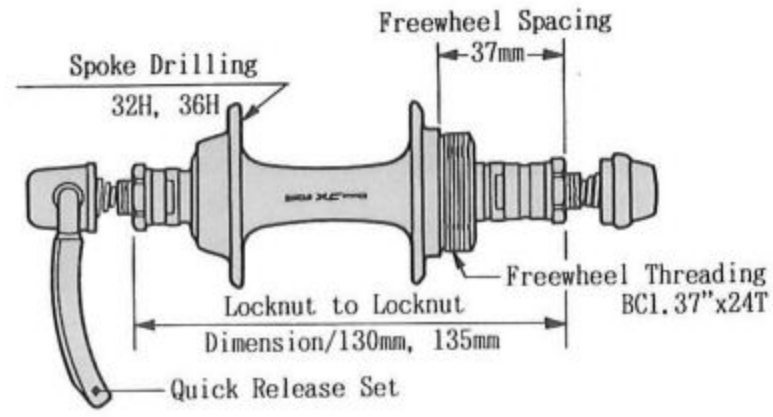
【Fig. 7】

Cassette Cogs Specifications

COMPONENT / SPECIFICATIONS			CASSETTE COGS			
						
7Speed	Model No.		CS-AP00-S7	—	CS-AP00-K7	—
	Code No.	Top/12T	47179802		48179702	
		Top/13T	47179803		48179703	
6Speed	Model No.		—	CS-AP00-S6	—	CS-AP00-K6
	Code No.			47169801		47169701
ACCUSHIFT PLUS Compatible			●	●	●	●
Compatible Chain pin Size			Below 7.3mm	Below 8.0mm	Below 7.3mm	Below 8.0mm
Cog Ranges Available (T)		1st	12T～13T	13T～14T	12T～13T	13T～14T
		2nd	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T
		3rd				
		4th				
		5th				
		6th				
		7th		—		—
Cog Color			Silver	Silver	Black	Black
Standard Ratio (T)			12x14x16x18x21x24x28 13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	12x14x16x18x21x24x28 13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30
Weight: g			257 (13～24T) 309 (12～28T)	284 (13～28T) 298 (13～30T)	257 (13～24T) 309 (12～28T)	284 (13～28T) 298 (13～30T)

Rear Hub Specifications (ATB)

SPECIFICATIONS \ COMPONENT		XC-PRO	XC-LTD	X-1, XCE, XCM
				
Model No.		HB-XP00-R	HB-XL00-R	HB-AT01-R
Code No.	32H/130mm	52899226	52979223	52989223
	36H/130mm	52899236	52979233	52989233
	Q.R/130mm	50249207	50249257	50249257
	32H/135mm	52899228	52979225	52989225
	36H/135mm	52899238	52979235	52989235
	Q.R/135mm	50249208	50249258	50249258
Freewheel Spacing (mm)		37	37	37
Grease Guard System		●	—	—
Bearing Type		Cartridge	Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●	●
Freewheel Threading		BC1.37"x24T	BC1.37"x24T	BC1.37"x24T
Sealed Mechanism		●	●	●
Spring-saver		●	—	—
Weight: g (36H/130mm)				



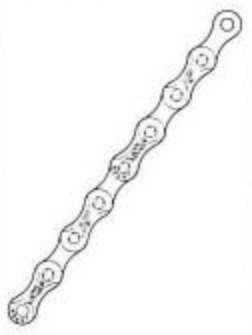
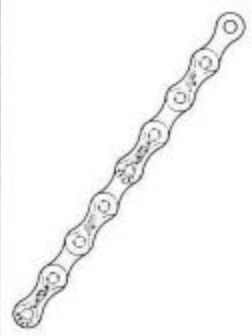
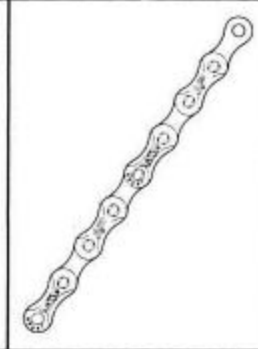
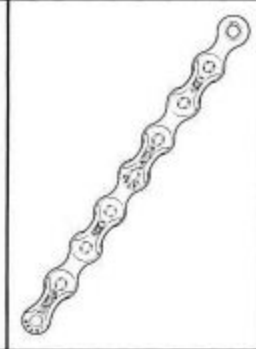
【Fig.8】

Freewheel Specifications

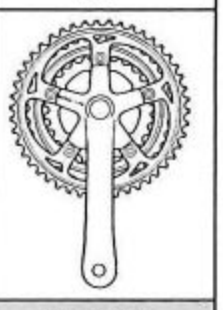
SPECIFICATIONS \ COMPONENT		WINNER		SUNTOUR-AP			
							
Model No.		FW-WT10-S7	FW-WT10-S6	FW-AL10-S7	FW-AL10-S6	FW-AL10-K7	FW-AL10-K6
Code No.	7 Speed	17079802	—	15079803	—	15079703	—
	6 Speed	—	17079803	—	15069801	—	15069701
ACCUSHIFT PLUS Compatible		●	●	●	●	●	●
Oil Hole		●	●	—	—	—	—
Compatible Chain Pin Size		Below 7.3mm	Below 8.5mm	Below 7.3mm	Below 8.5mm	Below 7.3mm	Below 8.5mm
Freewheel Space Dimension		Above 37mm	Above 37mm	Above 37mm	Above 37mm	Above 37mm	Above 37mm
Threading		BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T
Cog Ranges Available (T)	1st	12~14	13~15	13	13~16	13	13~16
	2nd	13~16	14~16	14~17	14~17	14~17	14~17
	3rd	14~17	15~23	15~24	15~24	15~24	15~24
	4th	15~23					
	5th		17~26		17~26		17~26
	6th	17~26	28,30,32,34	18~34	28,30,32,34	18~34	28,30,32,34
	7th	28,30,32,34	—		—		—
Standard Ratio (T)		13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30
Cog Color		Silver	Silver	Silver	Silver	Black	Black
Weight: g		422 (13~24T) 487 (13~28T)	458 (13~30T) 444 (13~28T)	415 (13~24T) 483 (13~28T)	444 (13~28T) 459 (13~30T)	415 (13~24T) 483 (13~28T)	444 (13~28T) 459 (13~30T)

※① Locknut to locknut dimension: 126~135mm ※② Freewheel space: Avobe 37mm

Chain Specifications

COMPONENT / SPECIFICATIONS		AP-PRO	AP-10	AP-20	AP-50
					
Model No.		CH-AP00	CH-AP10	CH-AP20	CH-AP50
Code No.		50650116	50670116	50690116	50700116
Ultra Freewheel Compatible		●	●	●	●
Pin width (mm)		7.3	7.3	7.3	7.3
Bushless Type		●	●	●	—
Bushed Type		—	—	—	●
Link Plate Color	Silver	●	—	—	—
	Black & Silver	—	●	—	—
	Black & Black	—	—	●	●
Dai-Hard Treatment		●	—	—	—
Cambered Outer Link Plate		●	●	●	●
Weight: g (116 Link)		325	325	325	352

Crank Set Specifications (ATB)

COMPONENT / SPECIFICATIONS		BEAST	XC-PRO	XC-COMP	XC-LTD	X-1	X-1 CHROMA	X	XCE
							 ※①	 【SR】	
Model No.		CW-BT01	CW-XP01	CW-XC01	CW-XL00	CW-X101	CW-CR01	CW-X000	CW-XE01
Crank Length (mm)	170.0	—	51739747	51589725	51759747	51409812	51409813(Pink)	51379929 ※⑤	51689755
	175.0	48019926	51739751	51589729	51759751	51409822	51409823(Pink)	51379937	51689759
	180.0	—	51739755	—	—	—	—	—	—
Powering Standard Chainrings		—	46x36x24T 46x36x26T	46x36x24T 46x36x26T	46x36x24T 46x36x26T	48x38x28T 46x36x24T	48x38x28T 46x36x24T	52x42x32T ※②	48x38x28
Bolt Circle Diameter (mm)		110／74	110／74	110／74	110／74	110／74	110／74	130／74	110／74
Anti Chain-Jam Pin		Chainring	Crank	Crank	Crank	Crank	Crank	Crank	Crank
Chainring Material		Duralumin	Duralumin	Duralumin	Duralumin	Duralumin	Duralumin	Duralumin ※③	Steel ※④
Chain Size	1/2"x3/32"	●	●	●	●	●	●	●	●
Pedal Threading		BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T
Low Profile & Off-set Arm		—	●	●	●	●	●	●	●
Taper Type		VX	VX	VX	VX	VX	VX	VX	VX
Compatible Bottom Bracket		BB-XC00 BB-XP10(GG)	BB-XP00(GG) BB-XP20(GG)	BB-XC01	BB-XC01	BB-X101	BB-X101	BB-X101	BB-X101
Stainless Inner Chainring		—	24T ※⑥	24T ※⑥	24T ※⑥	24T ※⑥	24T ※⑥	—	—
Chain Guard		●	—	Option	Option	Option	Option	Option	Option
Weight: g		930	685	740	720	730	730	773／52x42x32	926／48x38x28

※① chroma Code No: L=170mm/Green (51409815), Yellow (51409817), L=175mm/Green (51409825), Yellow (51409827).
※② Option: 50x40x28T/Duralumin Chainrings. ※③ Option: Steel Chainrings. (52x42x32T) ※④ Option: Duralumin Chainrings.
※⑤ Crank Length 165mm available Code No: 51379921
※⑥ Option

Crank Set Specifications (ATB)

COMPONENT / SPECIFICATIONS		XCM	XCT	XCU
			 【SR】	 【SR】
Model No.		CW-XM01	CW-XT01	. CW-XU00
Crank Length (mm)	165.0	—	—	51419921
	170.0	51709755	51569825	51419929
	175.0	51709759	51569829	51419937
PoweRing Stand. Chainring		48x38x28	※① 48x38x28	48x38x28
Anti Chain-Jam Pin		Crank	Crank	Crank
Chainring Material		Steel	Steel	Steel
Chain Size	1/2"x3/32"	●	●	●
Pedal Threading		BC9/16"x20T	BC9/16"x20T	BC9/16"x20T
Low Profile & Off-set Arm		●	●	●
Taper Type		VX	VX	VX
Compatible Bottom Bracket		BB-X101	BB-XT00	BB-XT00
Chain Guard		Option	Option	Option
Weight: g		926	1010	965

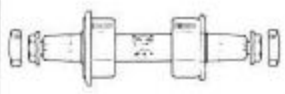
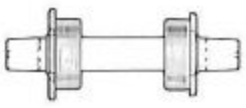
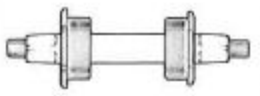
※① 48x38 (Double) Optional

Crank Set Specifications (Fitness)

COMPONENT / SPECIFICATIONS		FTU	FT(Double)	FT(Double)	FT(Single)	FT(Single)
		 【SR】	 ※① 【SR】	 ※① 【SR】	 【SR】	 【SR】
Model No.		CW-FU00	CW-FT51-AL	CW-FT51-FE	CW-FT50-AL	CW-FT50-FE
.Crank Length (mm)	165.0	51429921	51399931	51399935	51399901	51399905
	170.0	51429929	51399933	51399937	51399903	51399907
	175.0	51429937	—	—	—	—
Powering Stand. Chainring		48x38x28	※② —	※② —	※③ —	※③ —
Chainring Material		Steel	Duralumin	Steel	Duralumin	Steel
Chain Size	1/2"x3/32"	●	●	●	●	●
Pedal Threading		BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T
Low Profile & Off-set Arm		●	●	●	●	●
Taper Type		VX	VX	VX	VX	VX
Compatible Bottom Bracket		BB-XT00	BB-VX01	BB-VX01	BB-VX02	BB-VX02
Chain Guard		●	●	●	●	●
Weight: g		1005	754	895	677	779

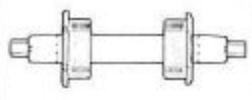
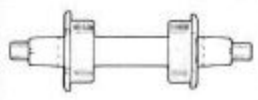
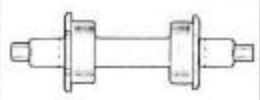
※① Crank: white paint is Standard, Black paint is Optional
※② Standard Chainring: 46x34T
※③ Standard Chainring: 46T, 44T

Bottom Bracket Specifications (ATB)

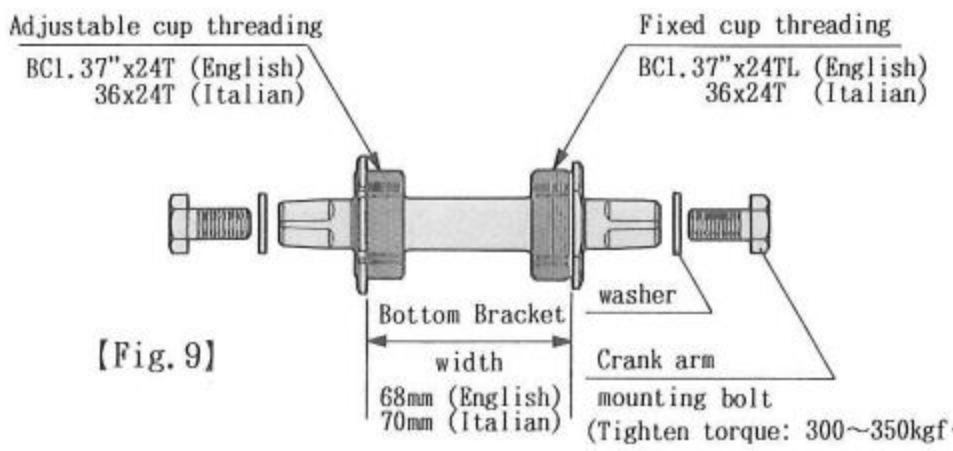
COMPONENT / SPECIFICATIONS		BEAST		XC-PRO	XC-PRO/MICROLITE	XC-COMP, XC-LTD	X-1, CHROMA, XCE, XCM
							 ※①
Model No.		BB-XC00-E	BB-XP10-E	BB-XP00-E	BB-XP20-E	BB-XC01-E	BB-X101-E
Code No.		51969901	51949911	51949901	51009901	51969921	51049921
Compatible B.B. Width(mm)		68	68	68	68	68	68
Chain Line		48	48	47.5	47.5	47	47
Grease Guard System		—	●	●	●	—	—
Taper Type		VX	VX	VX	VX	VX	VX
Cr-Mo Steel Axle		●	●	●	●	—	—
Cup Material		Steel	Steel	Steel	Duralumin	Steel	Steel
Bearing Type		Cup & Cone	Cup & Cone	Cup & Cone	Cartrige	Cup & Cone	Cup & Cone
Crank Mounting	Bolt Type	●	●	●	●	●	—
	Nut Type	—	—	—	—	—	●
Precision Ground Race		—	●	●	●	—	—
Sealed Mechanism		●	●	●	●	●	●
Ball Retainer		9-Ball	11-Ball	11-Ball	Bearing	9-Ball	9-Ball
Cup Threading		BC1.37"X24T	BC1.37"X24T	BC1.37"X24T	BC1.37"X24T	BC1.37"X24T	BC1.37"X24T
Axle Marking		D-3SB (SUNTOUR)	D-3SB-GG (SUNTOUR)	D-3SB-GG (SUNTOUR)	(SUNTOUR)	D-3TS	N-3T
Weight: g		348	350	350	283	348	361

※① Same as X, CHROMA, XCE, XCM bottom bracket.
※③ Chainline tolerance (No grease on B.B. axle tapers); ±1.5mm
※④ Tightening torque for B.B axle; Bolt type 300～350kgf·cm, Nut type 500～550kgf·cm

Bottom Bracket Specifications (ATB)(Fitness)

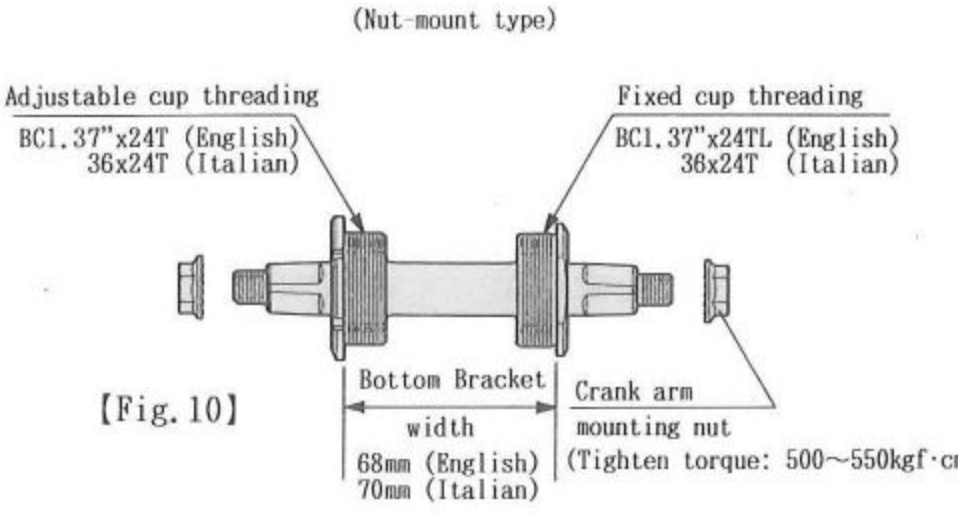
COMPONENT / SPECIFICATIONS		XCT, XCU, FTU	FT (Double)	FT (Single)
		【SR】 	【SR】 	【SR】 
Model No.		BB-XT00-E	BB-VX01-E	BB-VX02-E
Code No.		51079921	51039921	51039931
Compatible B.B. Width(mm)		68	68	68
Chain Line		47	45	46
Grease Guard System		—	—	—
Taper Type		VX	VX	VX
Cr-Mo Steel Axle		—	—	—
Cup Material		Steel	Steel	Steel
Bearing Type		Cup & Cone	Cup & Cone	Cup & Cone
Crank Mounting	Bolt Type	—	—	—
	Nut Type	●	●	●
Precision Ground Race		—	—	—
Sealed Mechanism		—	—	—
Ball Retainer		9-Ball	9-Ball	9-Ball
Threading		BC1.37"X24T	BC1.37"X24T	BC1.37"X24T
Axle Marking		N-3T	N-3A	N-3H
Weight: g		355	344	344

(Bolt-mount type)



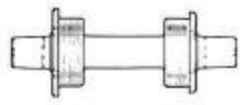
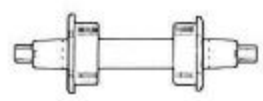
【Fig. 9】

(Nut-mount type)

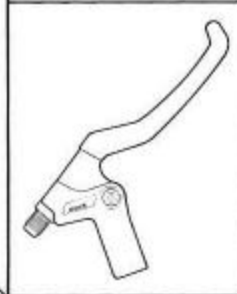
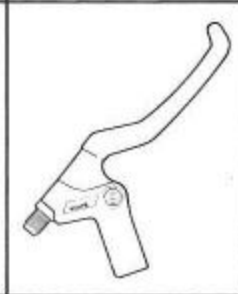
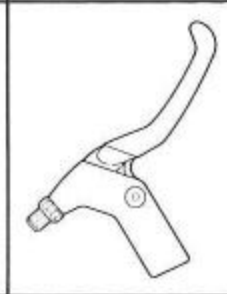
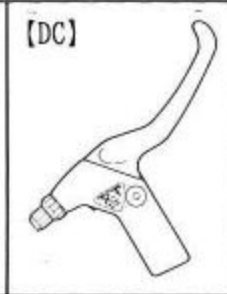
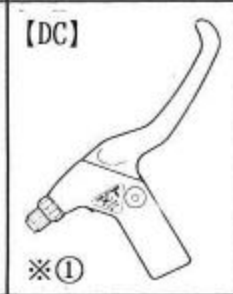
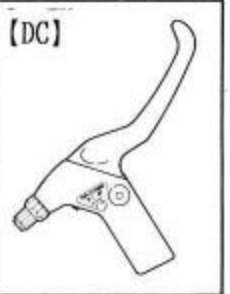


【Fig. 10】

Bottom Bracket Specifications (ATB)

SPECIFICATIONS \ COMPONENT		XC-PRO	XC-COMP, XC-LTD	X, X-1, CHROMA, XCE, XCM
				
Model No.		BB-XC01-I		BB-X101-I
Code No.		51969923	51969923	51049923
Compatible B.B. Width(mm)		70	70	70
Chain Line (mm)		48	46.5	46.5
Grease Guard System		—	—	—
Taper Type		VX	VX	VX
Co-Mo Hollw Axle		—	—	—
Bearing Type		Cup & Cone	Cup & Cone	Cup & Cone
Crank Mounting	Bolt Type	●	●	—
	Nut Type	—	—	●
Precision Ground Race		—	—	—
Sealed Mechanism		●	●	—
Ball Retainer		9-Ball	9-Ball	9-Ball
Cup Threading		36x24T	36x24T	36x24T
Axle Marking		D-5SP	D-5SP	N-5S
Weight: g		348	348	361

Brake Lever Specifications (ATB)

SPECIFICATIONS \ COMPONENT		XC-PRO	XC-COMP	XC-LTD	X-1	X-1 CHROMA	XCE
					【DC】 	【DC】  ※①	【DC】 
Short Type	Model No.	BL-XP00-S	BL-XC01-S	BL-XL00-S	BL-X101-S	BL-CR01-S	BL-XE01-S
	Code No.	60209901	60349901	60359901	60369901	60369931 (P) 60369935 (G) 60369939 (Y)	60379901
Standard Type	Model No.	BL-XP00-N	BL-XC01-N	—	—		BL-XE01-N
	Code No.	60209911	60349911				60379911
B.R.S Mechanism		●	●	●	●	●	●
Ergonomic Design		●	●	●	●	●	●
Cable Adjuster		●	●	●	●	●	●
Adjustable Reach		●	●	●	●	●	●
Clamp Diameter (mm)		22.2	22.2	22.2	22.2	22.2	22.2
Hood Color	Black	●	●	●	●	●	●
Standard Cable Length		See Table(D)	See Table(D)	See Table(E)	See Table(E)	See Table(E)	See Table(E)
Weight: g		220	225	265	270	273	270

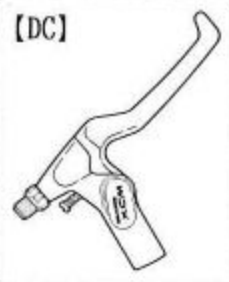
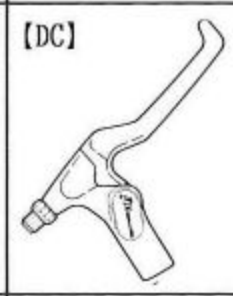
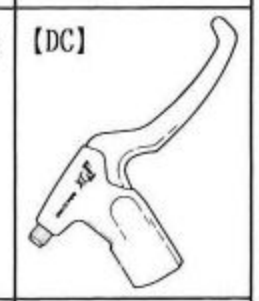
※① Chroma: Short size only. (P)=Pink, (G)=Green, (Y)=Yellow Colors.

Table (D)	Front	Rear
Inner Cable	680 mm	1,280 mm
Outer Casing	560 mm	1,160 mm

* For Brake Lever/XC-PRO, XC-COMP

【Fig. 11】

Brake Lever Specifications (ATB)

COMPONENT / SPECIFICATIONS		XCM	XCT	XCU
		【DC】 	【DC】 	【DC】 
Short Type	Model No.	—	—	—
	Code No.			
Standard Type	Model No.	BL-XM01-N	BL-XT01-N	BL-XU00-N
	Code No.	60389901	60399901	60409901
B.R.S Mechanism		●	●	●
Ergonomic Design		●	●	●
Cable Adjuster		●	●	●
Adjustable Reach		●	—	—
Clamp Diameter (mm)		22.2	22.2	22.2
Hood Color	Black	●	●	●
Standard Cable Length		See Table(D)	See Table(D)	See Table(D)
Weight: g		260	254	334

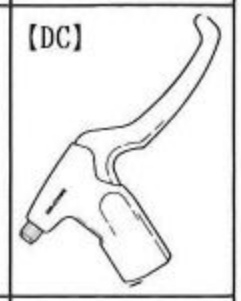
ITEM / SPECIFICATIONS		FT	FTU
		【DC】 	【DC】 
Short Type	Model No.	—	—
	Code No.		
Standard Type	Model No.	BL-FT50	BL-FU00-N
	Code No.	60179901	60419901
B.R.S Mechanism		—	●
Ergonomic Design		●	●
Cable Adjuster		—	—
Adjustable Reach		—	—
Clamp Diameter (mm)		22.2	22.2
Hood Color	Black	●	●
Standard Cable Length		See Table(E)	See Table(D)
Weight: g		212	334

Table (E)	Front	Rear
Inner Cable	600 mm	1,250 mm
Outer Casing	500 mm	1,150 mm

【Fig.12】

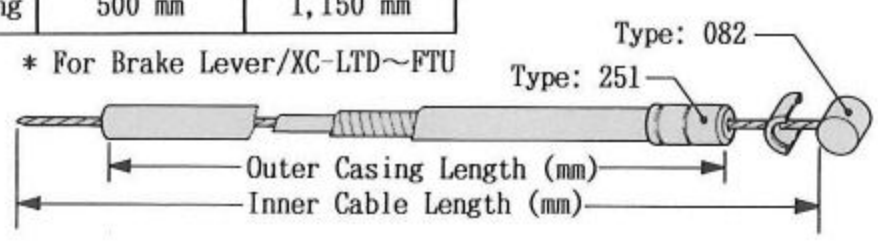
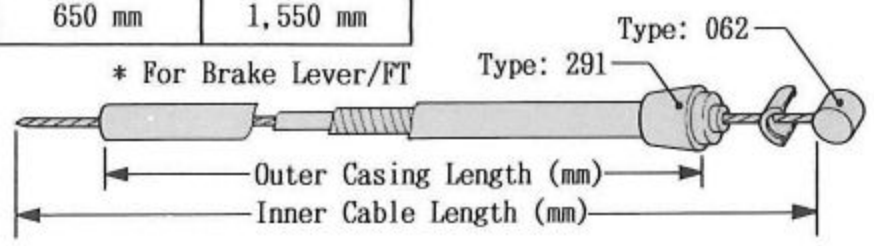
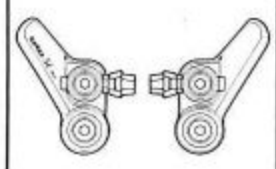
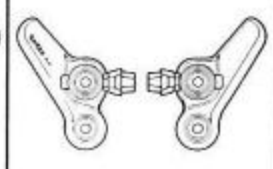
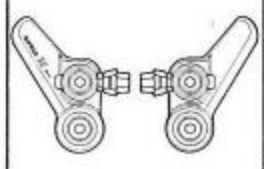
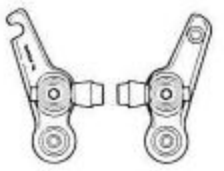


Table (F)	Front	Rear
Inner Cable	750 mm	1,650 mm
Outer Casing	650 mm	1,550 mm

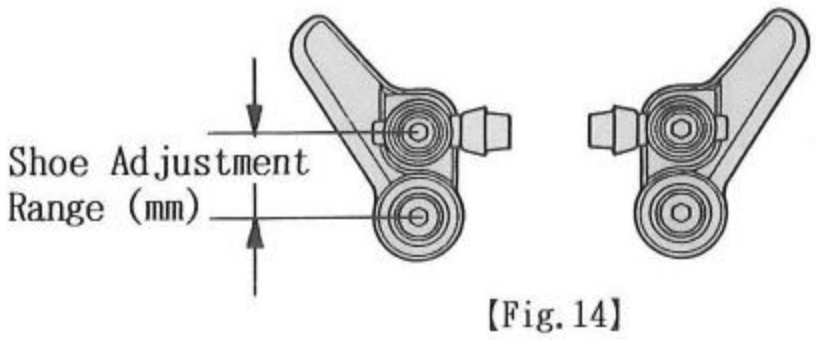
【Fig.13】



Cantilever Brake Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-PRO		XC-PRO, XC-LTD	XC-COMP		XC-LTD	X-1
								【DC】 
Model No.		CT-XP10	CT-XP00	CT-XP20	CT-XP10	CT-XC01	CT-XL00	CT-X101
Code No.		62689921	62689901	62689941	62689921	62709901	62729941	62249921
Self Energizing System		●	—	—	●	—	—	—
Internal Coil Spring		●	●	●	●	●	●	●
Angle Adjustable Shoe		●	●	●	●	●	●	●
Mounting	Braze-on Type	●	●	●	●	●	●	●
Cable Clamp Type		Anchor plate※①	Anchor plate※①	Bolt & Nut	Anchor plate※①	Bolt & Nut	Bolt & Nut	Anchor plate
Shoe Adjustment Range (mm)		22.5～27.5	22.5～27.5	22.5～27.5	22.5～27.5	22.5～27.5	22.5～27.5	20.5～29.5
All Weather Brake Shoe		●	●	●	●	●	●	●
Weight :g		245	205		245	205		164

※① Heli-Coil



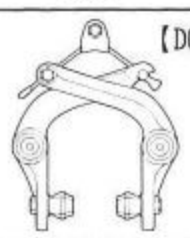
【Fig.14】

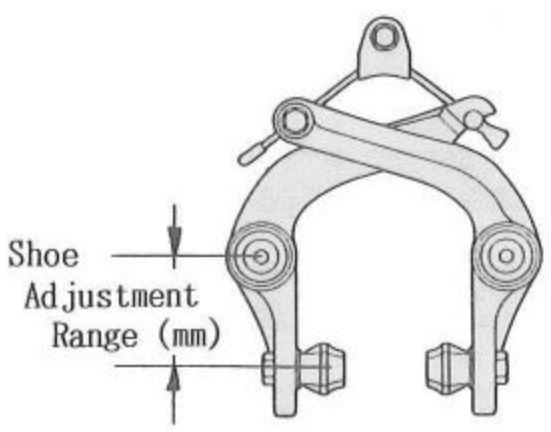
Cantilever Brake Specifications (ATB)

COMPONENT / SPECIFICATIONS	X-1 CHROMA	XCE	XCM	XCT	XCU	FTU
	【DC】 	【DC】 	【DC】 	【DC】 	【DC】 	【DC】 
Model No.	CT-CR01	CT-XE01	CT-XM01	CT-XT01	CT-XU00	CT-FU00
Code No.	See ※①	62769921	62779921	62789921	62799901	62809901
Self Energizing System	—	—	—	—	—	—
Internal Coil Spring	●	●	●	●	●	●
Angle Adjustable Shoe	●	●	●	●	●	●
Mounting / Braze-on Type	●	●	●	●	●	●
Cable Clamp Type	Anchor plate	Bolt & Nut	Bolt & Nut	Bolt & Nut	Bolt & Nut	Bolt & Nut
Shoe Adjustment Range (mm)	20.5～29.5	20.5～29.5	20.5～29.5	20.5～29.5	20.5～29.5	20.5～29.5
Adjustable Tension Spring	●	●	●	—	—	—
All Weather Brake Shoe	●	●	●	●	●	●
Weight :g	167	159	156	180	180	180

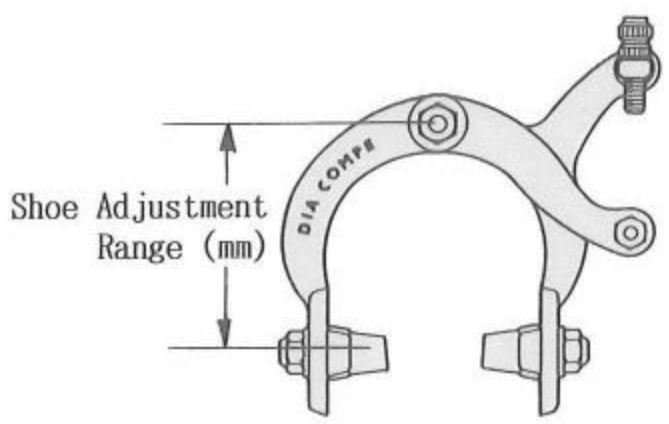
※① Chroma Code No: 62249931(P)=Pink, 62249933(G)=Green, 62249935(Y)=Yellow colors.

Brake Caliper Specifications (ATB)

COMPONENT / SPECIFICATIONS	XCE
	【DC】 
Model No.	BA-XE00
Code No.	62179901
Self Energizing System	—
Internal Coil Spring	●
Angle Adjustable Shoe	●
Mounting / Braze-on Type	●
Cable Clamp Type	Bolt & Nut
Shoe Adjustment Range (mm)	33～47
Adjustable Tension Spring	●
All Weather Brake Shoe	●
Weight :g	318

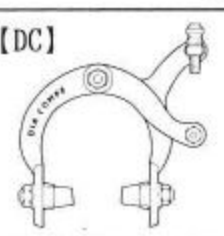
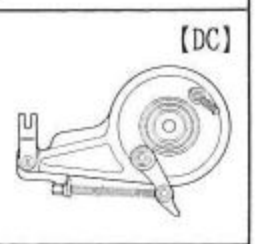


【Fig. 15】

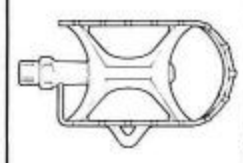
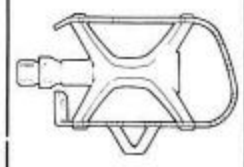
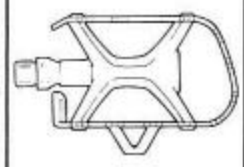


【Fig. 16】

Brake caliper Specifications (ATB)

COMPONENT / SPECIFICATIONS		F T	
		【DC】 	【DC】 
Front Caliper	Model No.	BA-FT50-SF	BA-FT50-NF
	Code No.	62189011	62189001
Rear Caliper	Model No.	BA-FT50-SR	BA-FT50-NR
	Code No.	62189013	62189003
B.R.S.		—	—
Internal Coil Spring		—	—
Thrust Bearing		—	—
Angle Adjustable Shoe		—	—
Quick Release	Eccentric	—	—
	Ratchet	—	—
	Twist	—	—
Mounting	Recesed Type	—	—
	Nut Type	●	●
Cable Clamp Type		Eye Bolt	Eye Bolt
Shoe Adjustment Range (mm)		53～71	61～79
Composite Brake Shoe		—	—
Weight: g		135	139

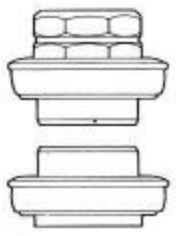
Pedal Specifications (ATB)

COMPONENT / SPECIFICATIONS		XC-PRO(GG)	XC-COMP	XC-LTD
				
Model No.		PL-XP01	PL-XC20	PL-XL00
Code No.		53219921	53129901	53159901
Grease Gaurd System		●	—	—
Bearing Type		Cartridge	Cup & Cone	Cup & Cone
Axle	Cr-Mo Steel	●	—	—
	Boron Steel	—	●	●
Axle Threading		BC9/16"×20T	BC9/16"×20T	BC9/16"×20T
Cross Braced Body		●	●	●
Sealed Mechanism		●	●	●
Replaceable Cage		●	—	—
Toe Clip Compatible		Standard	Standard	Standard
Non Slip Studs (Reverse)		●	—	—
Weight: g (pair)		308	315	395

Seat Post Specifications (ATB)

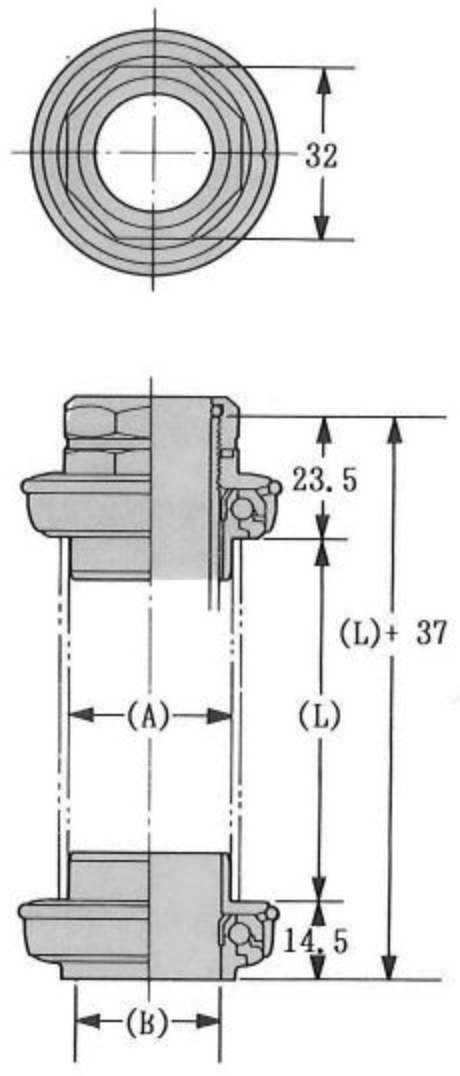
COMPONENT / SPECIFICATIONS		XC-PRO/XC-COMP
		
Model No.		SP-XC00
Code No.	25.0mm	53629710
	26.6mm	53629758
	26.8mm	53629764
	27.0mm	53629769
※①	27.2mm	53629775
Length	300mm	●
Anodized Finish		—
Hard Anodized Finish		●
Cr-Mo Steel Clamp Bolt		●
Angle Adjustment Range		22
Saddle Base Width (mm)		44
Saddle Base Diameter (mm)		7～8
Weight: g		290

Head Set Specifications (ATB)

COMPONENT / SPECIFICATIONS	XC-PRO(GG)
	
Model No.	HS-XP01-J
Code No.	50109901
Model No.	HS-XP01-I
Code No.	50109911
Grease Guard System	●
Dust Sealed Mechanism	●
O-Ring Sealing Mechanism	●
Micro Polished Ball Race	●
Composite Angle Races	●
Stack Height (mm)	37
Bearing Size	5/32"
Number of Bearings	26
Threading	BC 1"X24T
Weight: g	125

※① Option: 4mm spacer.

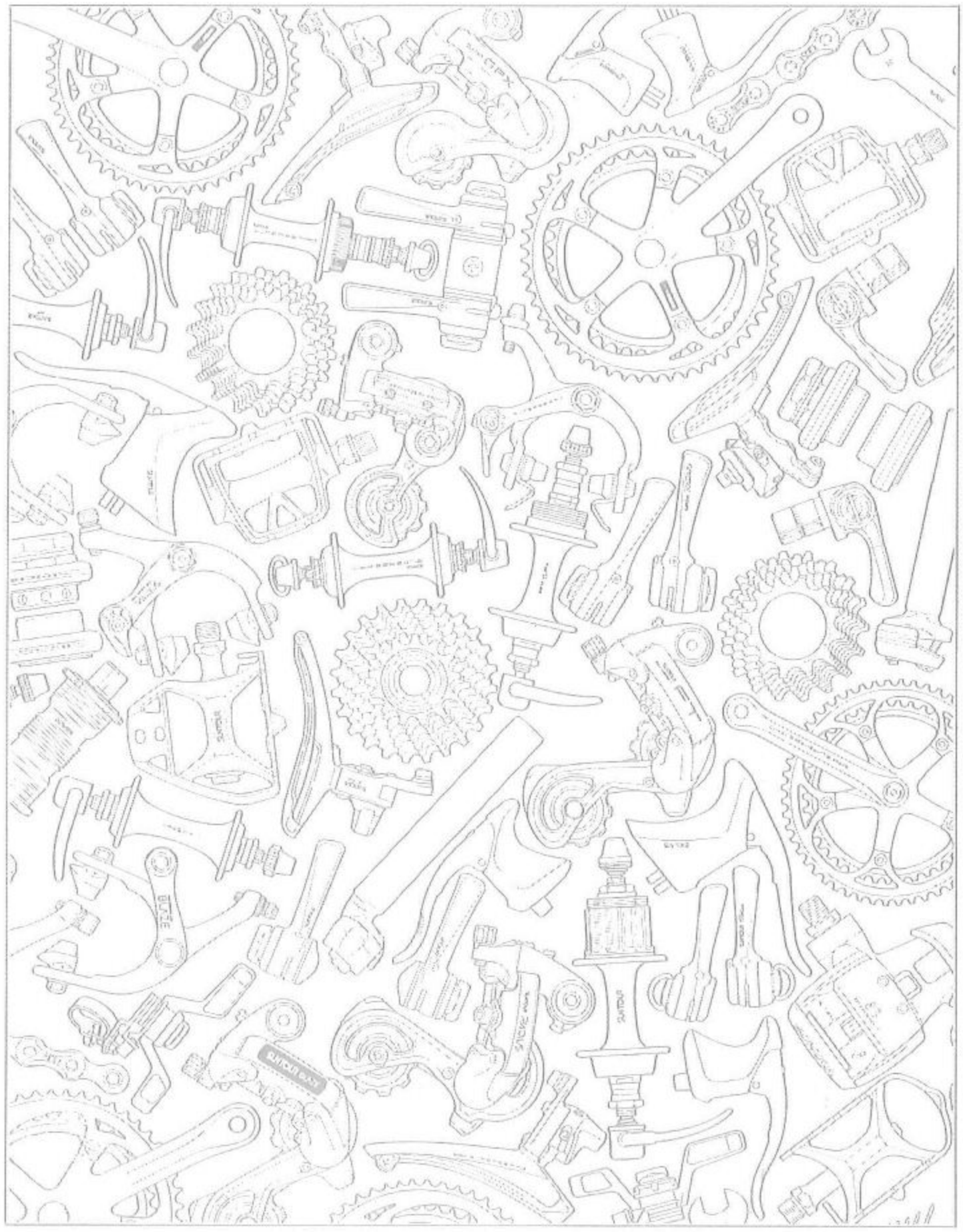
	Type	Thread	Race Diameter (A)	Race Diameter (B)
J	JIS	BC1"x24T	30.0mm	27.0mm
I	English & Italian		30.2mm	26.4mm



【Fig.17】

BICYCLE COMPONENTS

Group chart & Specifications

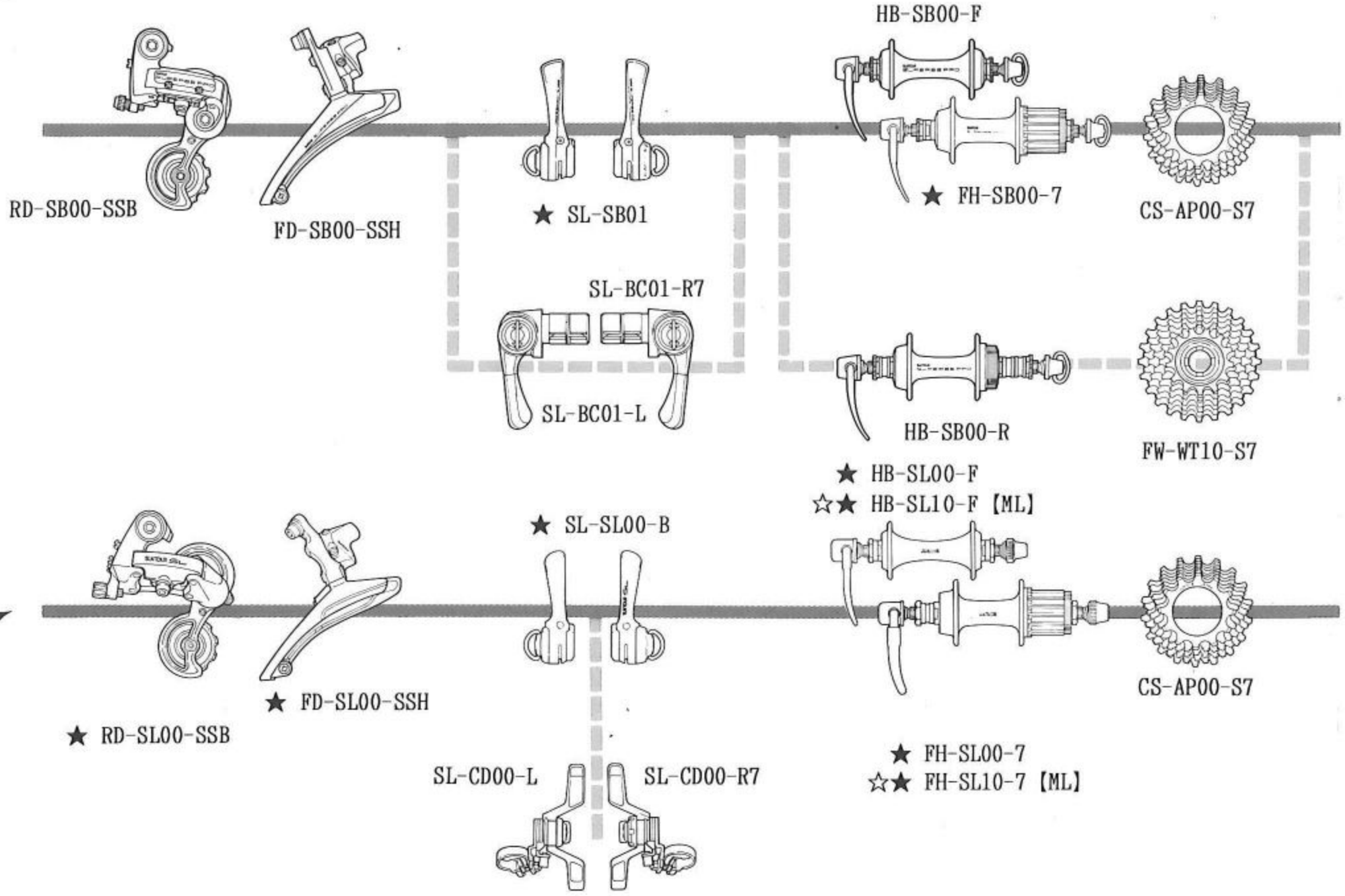


Light-weight

Component Group Chart

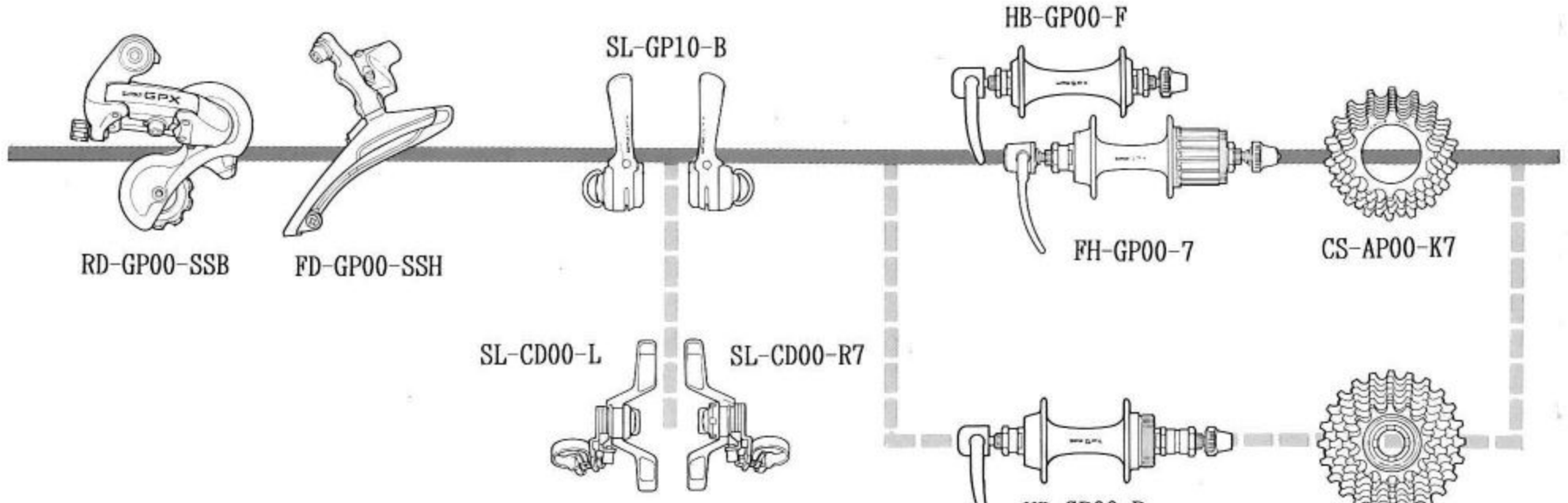
Light Weight '91 Model

SUNTOUR SUPERBE PRO



New Group SUNTOUR SL

SUNTOUR GPX



SUNTOUR RADIUS

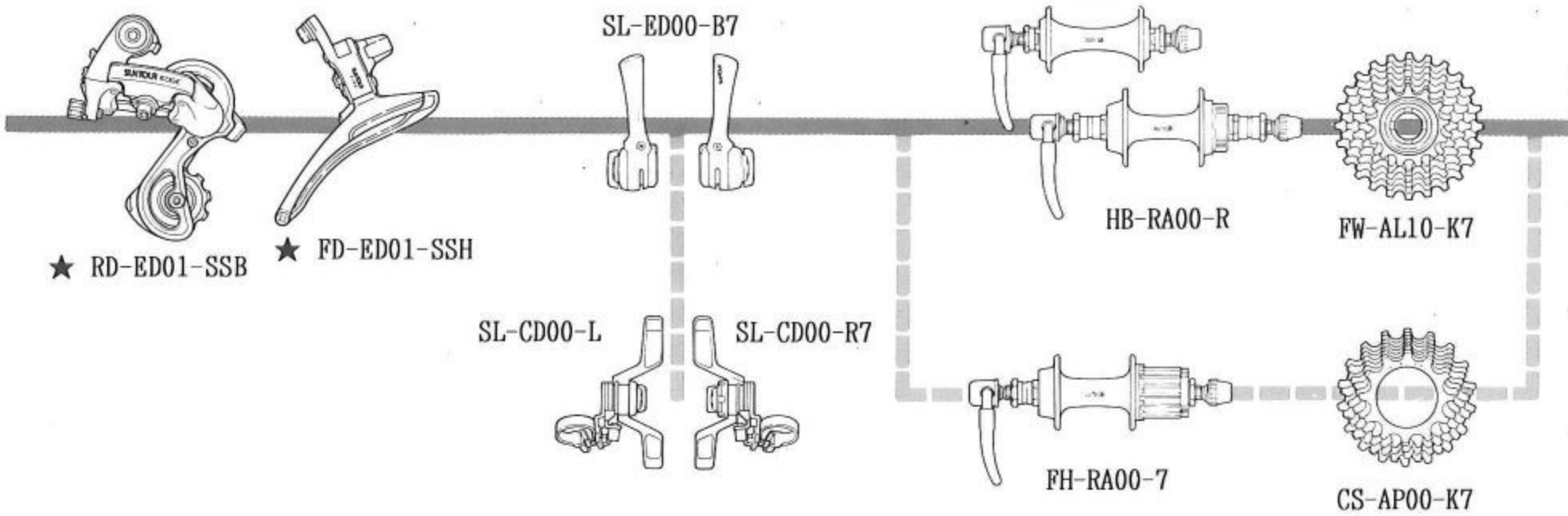
EXPLANATORY NOTES

★	New Product
☆	Option
【SE】	Self Energizing System
【GGS】	Grease Guard Sysyem
【ML】	Microlite
【LP】	Low Profile Model
【DC】	Dia-Compe Product
【SR】	Sakae Ringyo Product

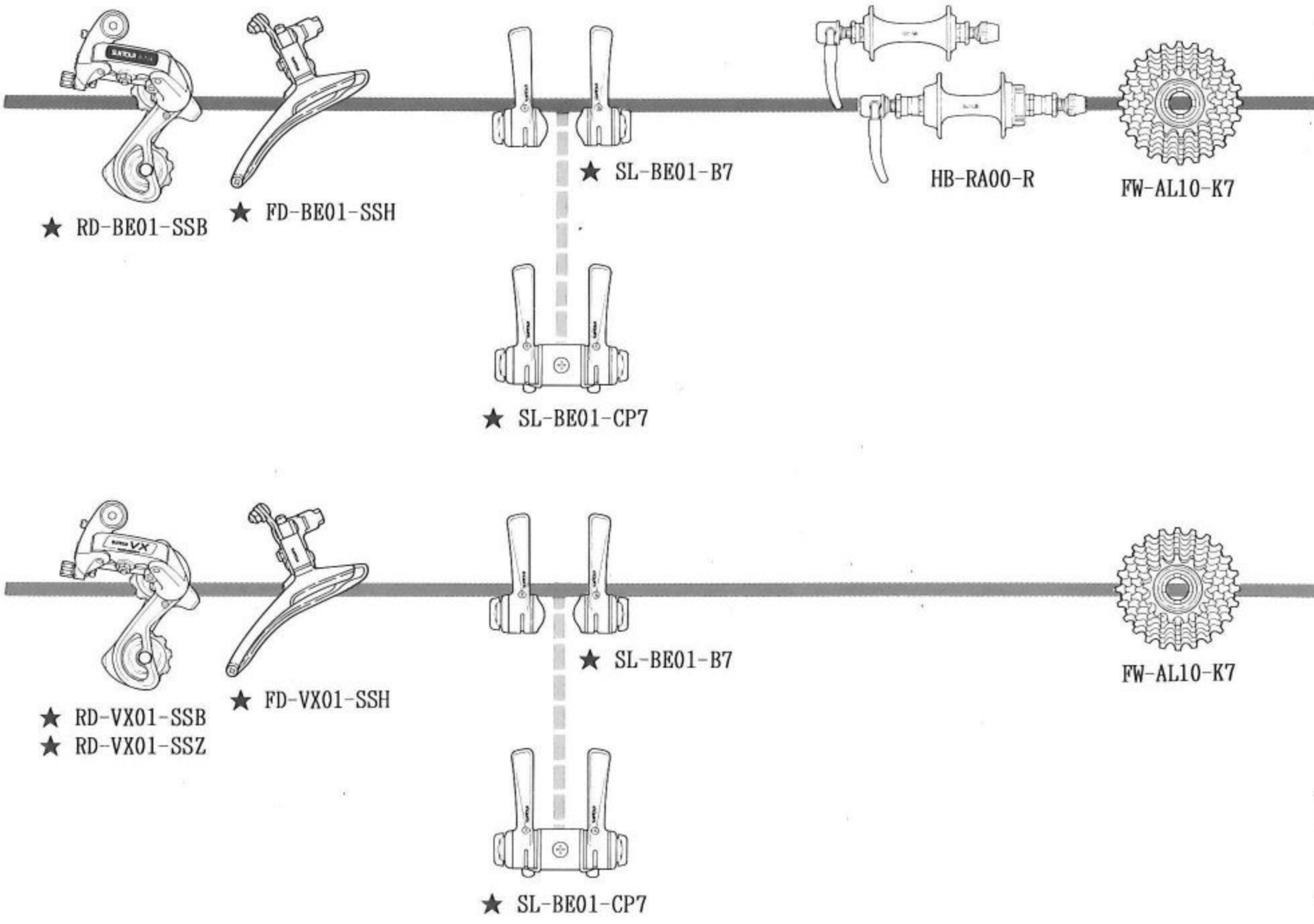
Component Group Chart

Light Weight '91 Model

SUNTOUR EDGE



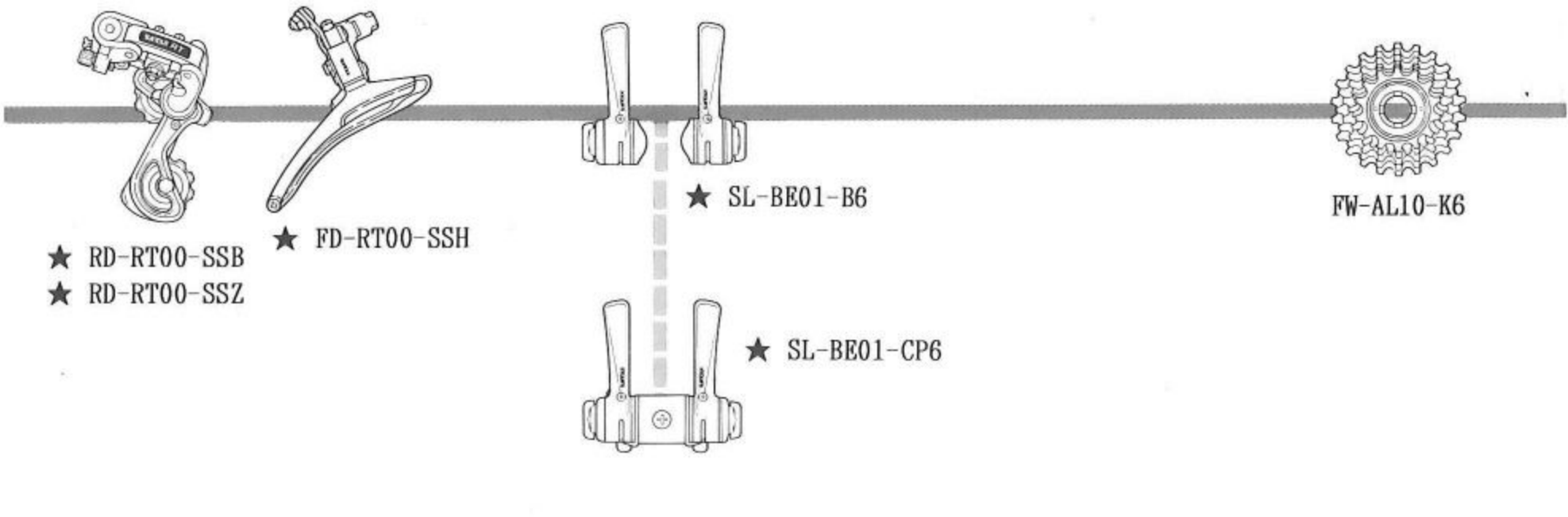
SUNTOUR BLAZE



SUNTOUR VX

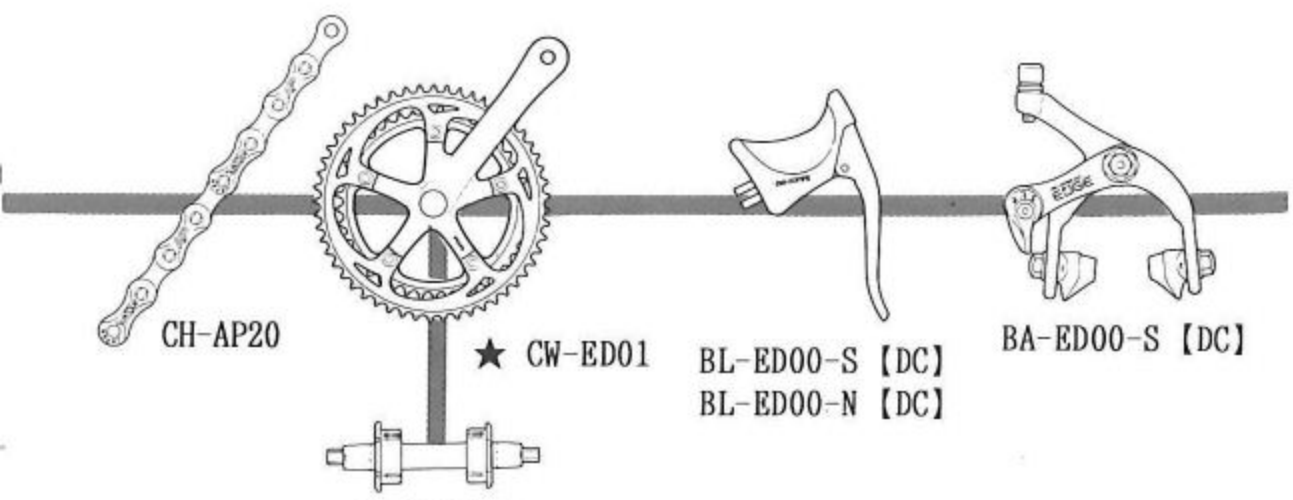
New Group

SUNTOUR RT

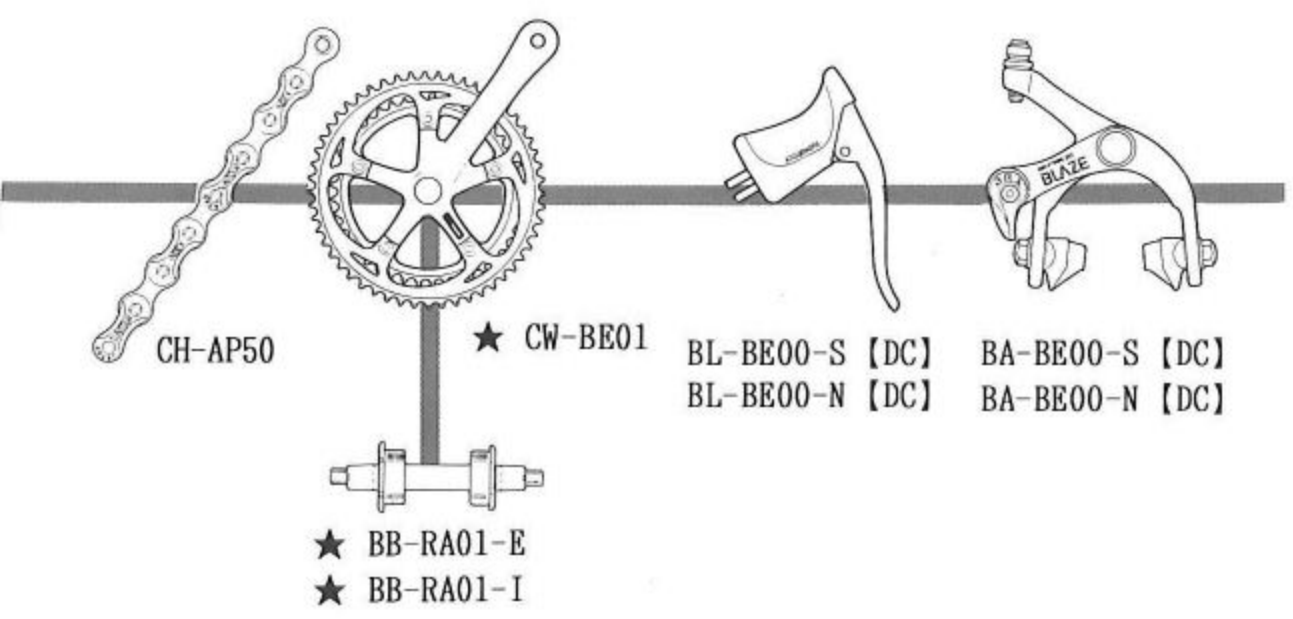


EXPLANATORY NOTES

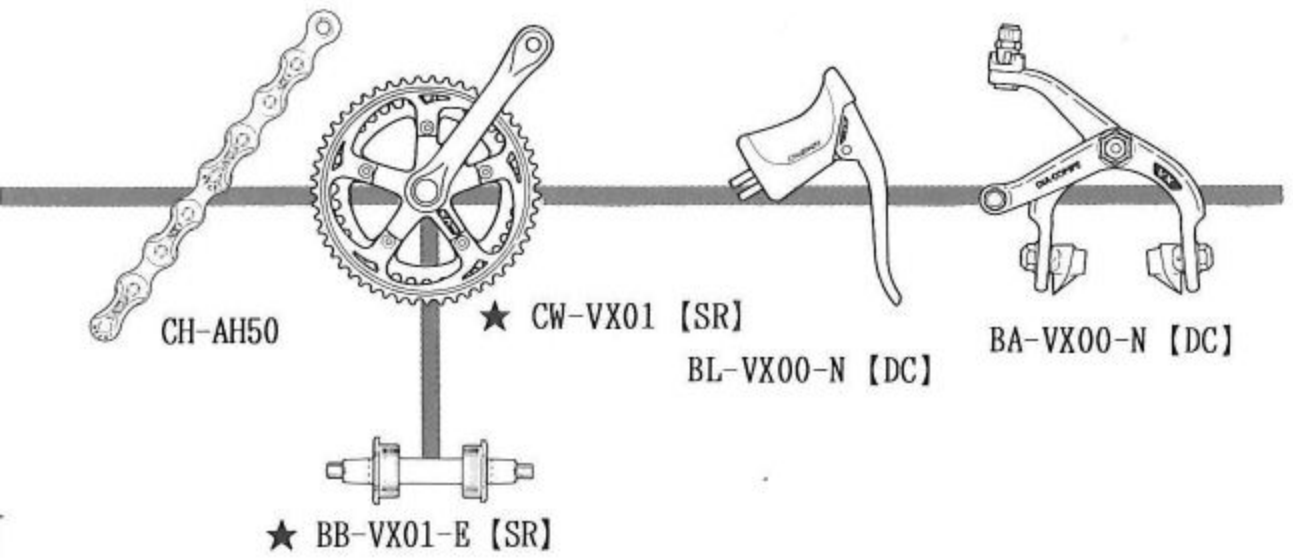
★	New Product
☆	Option
【SE】	Self Energizing System
【GGS】	Grease Guard Sysyem
【ML】	Microlite
【LP】	Low Profile Model
【DC】	Dia-Compe Product
【SR】	Sakae Ringyo Product



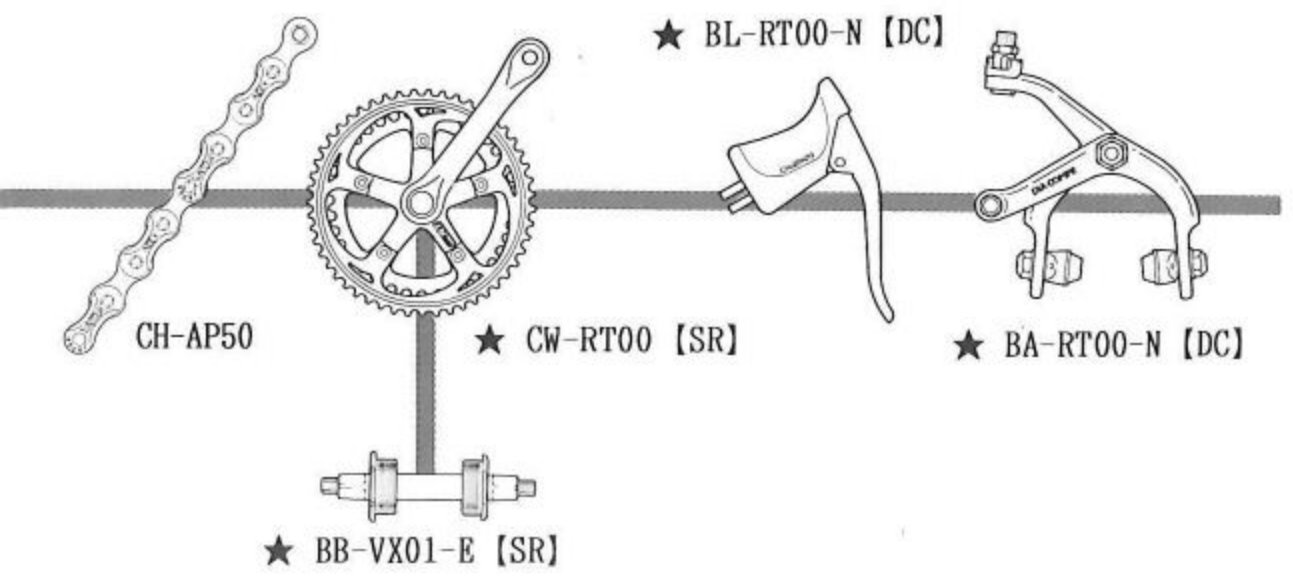
CH-AP20
★ CW-ED01
BB-RA01-E
BB-RA01-I
BL-ED00-S 【DC】
BL-ED00-N 【DC】
BA-ED00-S 【DC】



CH-AP50
★ CW-BE01
★ BB-RA01-E
★ BB-RA01-I
BL-BE00-S 【DC】
BL-BE00-N 【DC】
BA-BE00-S 【DC】
BA-BE00-N 【DC】

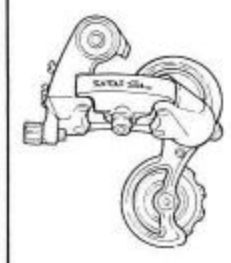
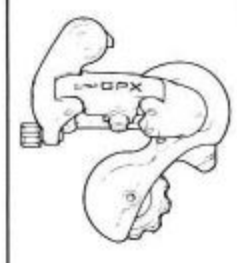


CH-AH50
★ CW-VX01 【SR】
★ BB-VX01-E 【SR】
BL-VX00-N 【DC】
BA-VX00-N 【DC】



CH-AP50
★ CW-RT00 【SR】
★ BB-VX01-E 【SR】
★ BL-RT00-N 【DC】
★ BA-RT00-N 【DC】

Rear Derailleur Specifications (Light Weight)

COMPONENT / SPECIFICATIONS	SUPERBE-PRO	SL	GPX	RADIUS	EDGE	BLAZE	VX	RT
								
Model No.	RD-SB00-SSB	RD-SL00-SSB	RD-GP00-SSB	RD-RA00-SSB	RD-ED01-SSB	RD-BE01-SSB	RD-VX01-SSB	RD-RT00-SSB
Code No.	25009921	23769921	24169921	23359921	23819921	23869921	23919921	23939921
ACCUSHIFT PLUS Compatible	●	●	●	●	●	●	●	●
Max. Total Capacity ※②	26T	24T	26T	28T	28T	28T	28T	28T
Min. Rear Sprocket	12T	12T	12T	12T	12T	12T	12T	12T
Max. Rear Sprocket ※① Dropout/24mm	26T	24T	26T	26T	26T	26T	26T	26T
Max. Rear Sprocket ※① Dropout/26mm	26T	24T	26T	28T	28T	28T	28T	28T
Max. Rear Sprocket ※① Dropout/28mm	28T	26T	28T	28T	28T	28T	28T	28T
Max. Chainwheel Diff.	Below 13T	Below 10T	Below 13T	Below 13T	Below 13T	Below 13T	Below 13T	Below 13T
Slant Trapezoid	●	●	●	●	●	●	●	●
Double Sealed Mechanism	●	—	●	●	●	—	—	—
Brass Bushings	●(4P)	●(1P)	●(1P)	●(2P)	●(2P)	—	—	—
Thrust Bearings	●	—	—	—	—	—	—	—
Cartridge Bearing Pulley	●	—	—	—	—	—	—	—
Chain Length Indicator	●	●	●	●	●	●	●	●
Double Spoke Guard	●	●	●	●	●	●	●	●
Weight: g (w/o Bracket)	194	191	215	257	257	247		

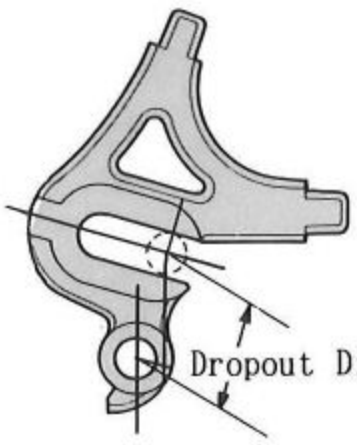
※① Dropout Dimension (See Fig-18 & Fig-19)
※② The capacity is calculated under normal component specifications. Number may vary according to chainring size, chainring differential, hub position, freewheel space, chainstay length, etc.

Front Derailleur Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	GPX	RADIUS	EDGE	BLAZE	VX	RT
									
Model No.	Clamp-on type	FD-SB00-SSH	FD-SL00-SSH	FD-GP00-SSH	FD-RA00-SSH	FD-ED01-SSH	FD-BE01-SSH	FD-VX01-SSH	FD-RT00-SSH
Code No.	28.6 mm	29269901	29939911	29809901	29009911	29949911	29959911	29969911	29979911
Code No.	31.8 mm	29269913	29939913	29809913	29009913	29949913	29959913	29969913	—
Model No.	Braze-on type	FD-SB00-SSB	FD-SL00-SSB	FD-GP00-SSB	FD-RA00-SSB	—	—	—	—
Code No.	Braze-on type	29269921	29939921	29809921	29009921	—	—	—	—
Capacity ※①		16T	16T	16T	16T	16T	16T	16T	16T
Min. Gear Difference		Above 2T	Above 2T	Above 2T	Above 2T	Above 2T	Above 2T	Above 2T	Above 2T
Stroke (mm)		37～54	37～54	37～54	37～54	37～54	37～54	37～54	37～54
Cable Casing Option		—	—	—	●	●	●	●	●
Stainless Steel Pivot Pin		●(4P)	●(2P)	—	●(1P)	●(1P)	—	—	—
High Performance Cage		●	●	●	●	●	●	●	●
Special Heat Treated Cage		●	●	●	●	●	●	●	●
Brass Bushing		●	●	●	—	—	—	—	—
Weight: Clamp-on/Braze-on		96／92	99／96	99／96	99／96	100	114	114	113

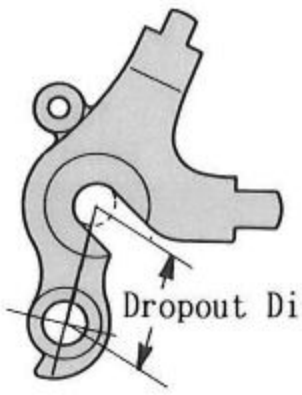
※① The gear capacity above is calculated for average frame and component specifications. Number may vary according to the special features of the bicycle.

Horizontal Dropout



【Fig. 18】

Vertical Dropout



【Fig. 19】

FRONT DERAILLEUR BRAZE-ON BOSS POSITION

SunTour produces two different front derailleur braze-on bosses, one a lost-wax casting and the other stamped. The correct distance between each boss and the center of the bottom bracket shell can be determined from Table 1 (for the cast boss) and Table 2 (for the stamped boss). The number of teeth of the outer chainring determines this distance, and the dimensions given are based on a double crankset with a chainline of 43.5 mm.

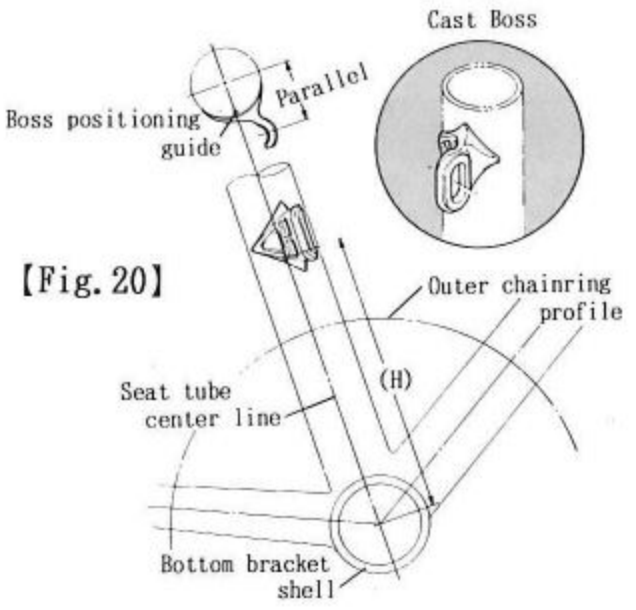
Please note that the measurement for the cast boss (H) is made from the center of the bottom bracket shell to the boss positioning guide located near the bottom the boss, while the measurement for the stamped boss (H') is made to the top of the boss.

(Table 1) Cast Boss

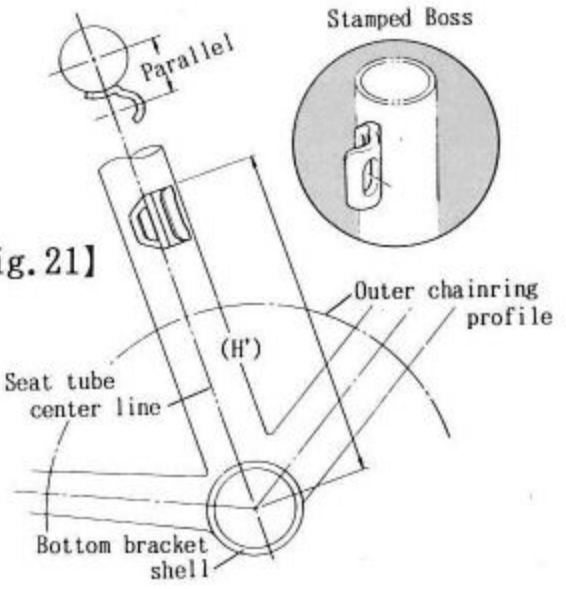
Outer Chainring	Dimension (H)	Outer Chainring Range
46T	125mm	44~48T
47T	127mm	45~49T
48T	129mm	46~50T
49T	131mm	47~51T
50T	133mm	48~52T
51T	135mm	49~53T
52T	137mm	50~54T
53T	139mm	51~55T

(Table 2) Stamped Boss

Outer Chainring	Dimension (H')	Outer Chainring Range
46T	144mm	44~48T
47T	146mm	45~49T
48T	148mm	46~50T
49T	150mm	47~51T
50T	152mm	48~52T
51T	154mm	49~53T
52T	156mm	50~54T
53T	158mm	51~55T

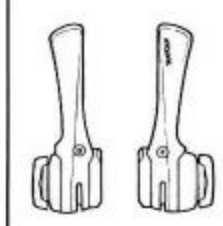
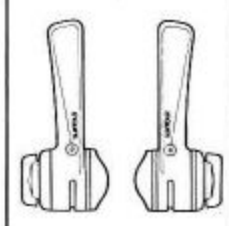
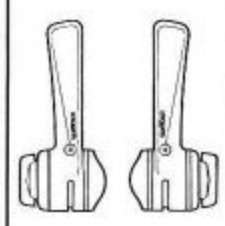


【Fig. 20】



【Fig. 21】

Shift Lever Specifications (Light Weight) Downtube

SPECIFICATIONS \ COMPONENT		SUPERBE-PRO	SL	GPX	RADIUS	EDGE		BLAZE, VX, RT	
									
Braze-on Type	Model No.	SL-SB01-B	SL-SL00-B	SL-GP10-B	SL-RA00-B	SL-ED00-B7	SL-ED00-B6	SL-BE01-B7	SL-BE01-B6
	Code No.	32229841	32289841	32309841	32409841	32509841	32509821	32589841	32589821
Clamp-on Type	Model No.	SL-SB01-C	SL-SL00-C	SL-GP10-C	SL-RA00-C	SL-ED00-C7	SL-ED00-C6	SL-BE01-C7	SL-BE01-C6
	Code No.	32229941	32289941	32309941	32409941	32509941	32509921	32589941	32589921
Braze-on Type (For Aluminum Frame) ※②	Model No.	SL-SB01-BF	SL-SL00-BF	SL-GP10-BF	SL-RA00-BF	SL-ED00-BF7	SL-ED00-BF6	SL-BE01-BF7	SL-BE01-BF6
	Code No.	32229842	32289842	32309842	32409842	32509843	32509822	32589842	32589822
Left/Right		Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●
	Power	● / –	● / –	● / –	● / –	● / –	● / –	● / –	● / –
	Friction	– / ●AP	– / ●AP	– / ●AP	– / ●AP	– / ●AP	– / ●AP	– / ●AP	– / ●AP
Mode Selection Feature		– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●	– / ●
Compatible Freewheel in Index Mode	Ultra-7S	●	●	●	●	●	–	●	–
	Regular-6S	●	●	●	●	–	●	–	●
Clamp Diameter (mm)		28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
Standard Cable Length		See Table(G)	See Table(H)	See Table(H)	See Table(H)	See Table(H)	See Table(H)	See Table(H)	See Table(H)
Weight: Clamp-on/Braze-on		80/100	81/101	80/100	81/101	81/101	81/101		

※① Except when index mode is selected, any freewheel can be used.
※② For shift lever to be used on aluminumframe. (See Fig-22, Fig-23)

Shift Lever Specifications (Light Weight) Downtube

SPECIFICATIONS \ COMPONENT		SCRAMBLER ②					
							
Braze-on Type ③	Model No.	SL-SR10-BT		SL-SR11-BT		SL-SR16-BT	
	Code No.	39349936		39349916		39339916	
Clamp-on Type	Model No.	SL-SR10-CT		SL-SR11-CT		SL-SR16-CT	
	Code No.	39349931		39349911		39339911	
Left／Right		Left	Right	Left	Right	Left	Right
Mode Selection	Index	●	●	—	●	—	●
	Power	—	—	—	—	—	—
	Friction	—	—	●	—	—	—
Mode Selection Feature		—	—	—	—	—	—
Compatible Freewheel in Index Mode	Ultra-7S	—		—		—	
	Regular-6S	●		●		●	
Clamp Diameter (mm)		28.6		28.6		28.6	
Standard Cable Length		See Table(H)		See Table(H)		See Table(H)	
Weight: Clamp-on/Braze-on		86／74		86／74		68／56	

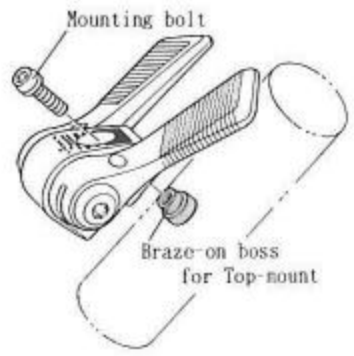
※① Except when index mode is selected, any freewheel can be used.
※② Top mount only
※③ (See Fig-24)



【Fig-22】

【Fig-23】





【Fig-24】

Table (G)	Left (Front)	Right (Rear)
Inner Cable	800 mm	1,300 mm
Outer Casing	—	280 mm

* For Down Tube/Superbe-Pro only

【Fig-25】

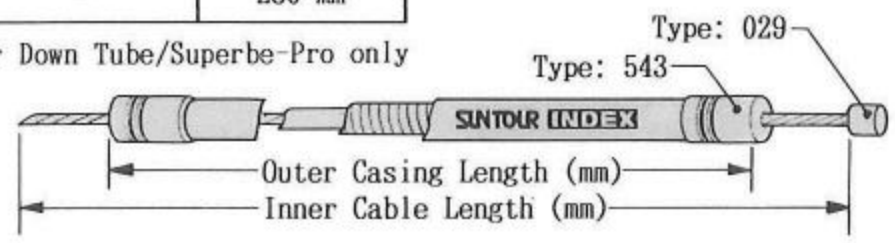
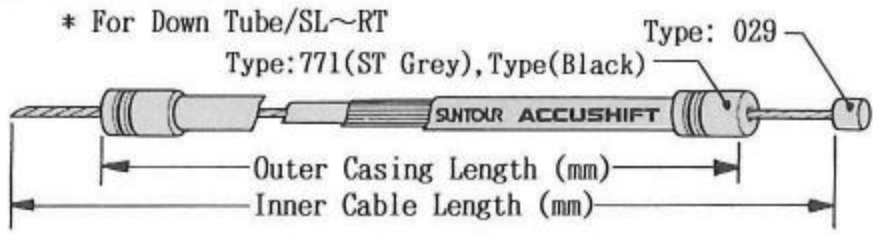


Table (H)	Left (Front)	Right (Rear)
Inner Cable	800 mm	1,300 mm
Outer Casing	—	280 mm

【Fig-26】

* For Down Tube/SL～RT



Shift Lever Specifications (Light Weight) Handlebar-Stem

SPECIFICATIONS \ COMPONENT		BLAZE, VX, RT			
					
Clamp-on Type	Model No.	SL-BE01-CP7		SL-BE01-CP6	
	Code No.	34119941		34119921	
Braze-on Type	Model No.	—		—	
	Code No.				
Left／Right		Left	Right	Left	Right
Mode Selection	Index	—	●	—	●
	Power	●	—	●	—
	Friction	—	●AP	—	●AP
Mode Selection Feature		—	●	—	●
Compatible Freewheel in Index Mode	Ultra-7S	●		—	
	Regular-6S	—		●	
Mounting Position		Stem		Stem	
Clamp Diameter (mm)		22.2		22.2	
Standard Cable Length		See Table(I)		See Table(I)	
Weight: g					

Table (I)	Left (Front)	Right (Rear)
Inner Cable	1,060 mm	1,560 mm
Outer Casing	360 mm	360x280 mm

【Fig-27】

* For Handlebar-Stem

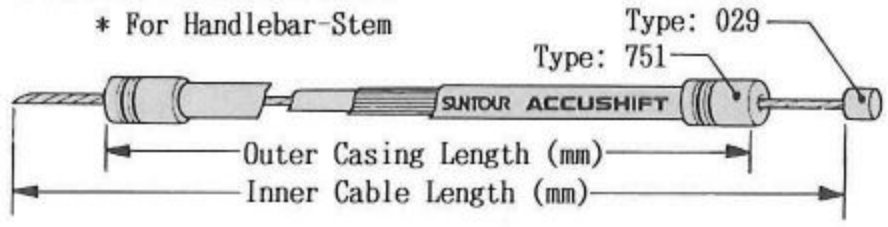


Table (J)	Left (Front)	Right (Rear)
Inner Cable	2,000 mm	2,500 mm
Outer Casing	680 mm	680x280 mm

【Fig-28】

* For Bar-con

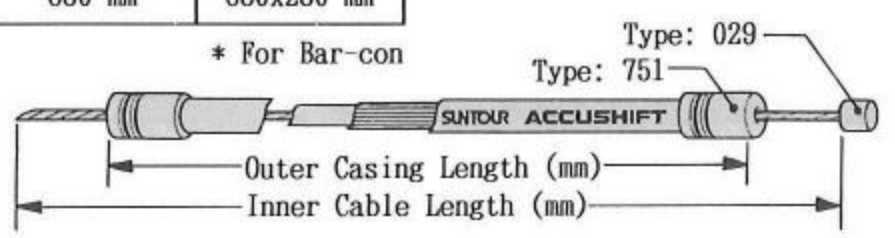
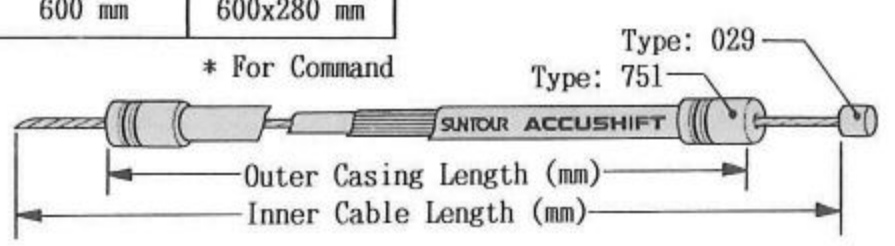


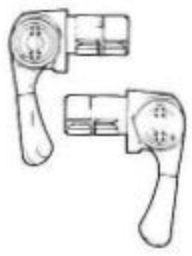
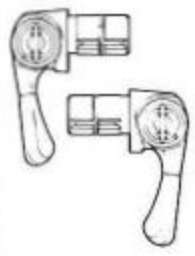
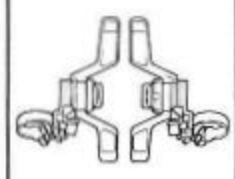
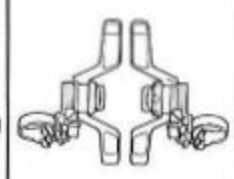
Table (K)	Left(Front)	Right (Rear)
Inner Cable	1,500 mm	2,000 mm
Outer Casing	600 mm	600x280 mm

【Fig-29】

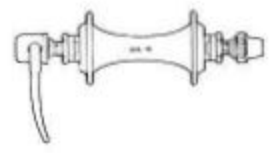
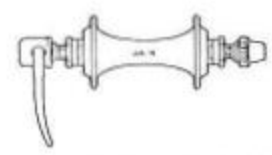
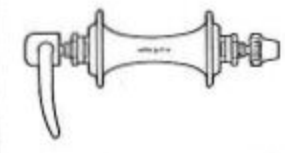
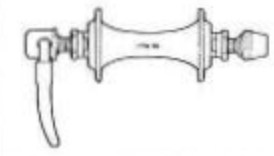
* For Command



Shift Lever Specifications (Light Weight) Handlebar

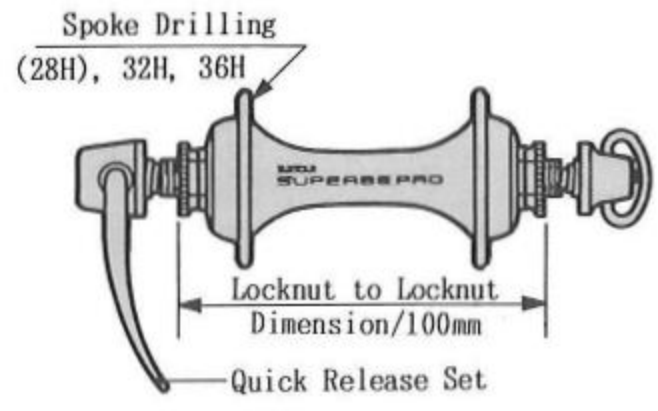
COMPONENT / SPECIFICATIONS		BAR-END CONTROL		COMMAND SHIFTER	
					
Right Lever	Model No.	SL-BC01-R7	SL-BC01-R6	SL-CD00-R7	SL-CD00-R6
	Code No.	31269913	31269911	32209571	32209561
Left Lever	Model No.	SL-BC01-L	SL-BC01-L	SL-CD00-L	SL-CD00-L
	Code No.	31269921	31269921	32209701	32209701
Left/Right		Left / Right	Left / Right	Left / Right	Left / Right
Mode Selection	Index	– / ●	– / ●	– / ●	– / ●
	Power	● / –	● / –	● / –	● / –
	Friction	– / ●AP	– / ●AP	– / ●AP	– / ●AP
Mode Selection Feature		– / ●	– / ●	– / ●	– / ●
Compatible Freewheel in Index Mode	Ultra-7S	●	–	●	–
	Regular-6S	–	●	–	●
Mounting Position		Handlebar	Handlebar	Handlebar	Handlebar
Clamp Diameter (mm)		18.8~22.2	18.8~22.2	23.8~24.2	23.8~24.2
Standard Cable Length		See Table(J)	See Table(J)	See Table(K)	See Table(K)
Weight: g/pr.		188	188	185	185

Front Hub Specifications (Light Weight)

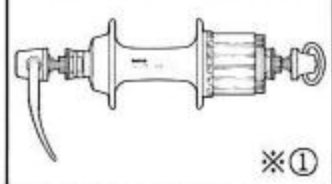
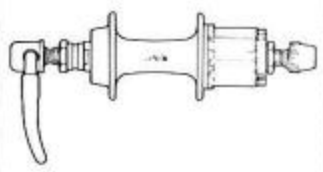
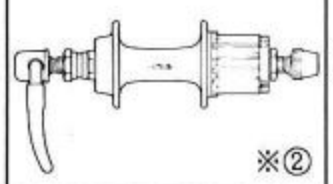
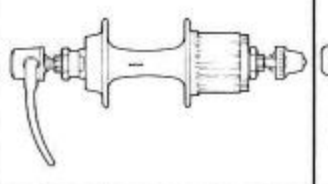
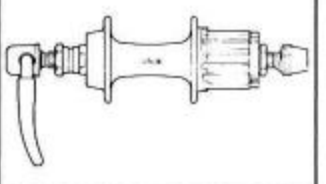
COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	SL (MICROLITE)	GPX	RADIUS
						
Model No.		HB-SB00-F	HB-SL00-F	HB-SL10-F ※①	HB-GP00-F	HB-RA00-F
Code No.	28H/100mm	52359201	–	52909116	–	–
	32H/100mm	52359205	52599121	52909121	52619203	52839121
	36H/100mm	52359209	52599131	–	52619207	52839131
	Q.R/100mm	50229125	50249222	50249222	50249172	50249192
Bearing Type		Cartridge	Cup & Cone	Cup & Cone	Cup & Cone	Cup & Cone
Axle Material		Cr-Mo Steel	Cr-Mo Steel	Duralumin	Steel	Cr-Mo Steel
Dished & Slant Cut Flange		●	●	●	●	●
Sealed Mechanism		●	●	●	●	●
Spring-saver		●	–	–	–	–
Weight: g (36H/100mm)		240			220	

※① Spoke Drilling 24H option. Code No.52909111

【Fig. 30】



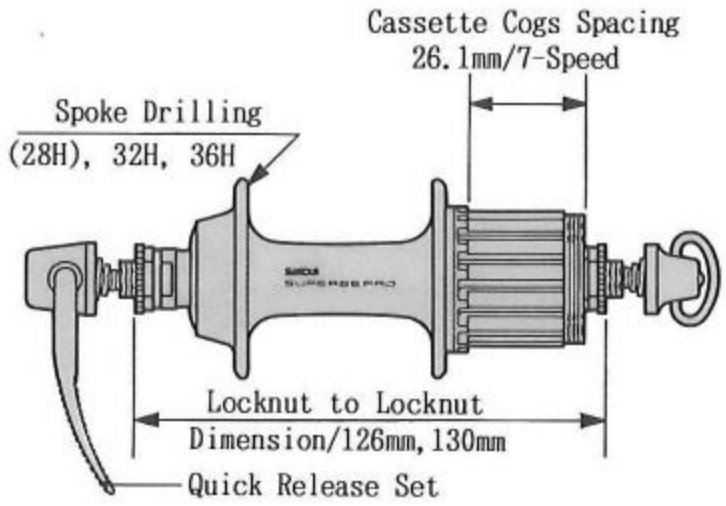
Freehub Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	SL (MICROLITE)	GPX	RADIUS
		 ※①		 ※②		
Model No.		FH-SB00-7	FH-SL00-7	FH-SL10-7	FH-GP00-7	FH-RA00-7
Code No.	32H/126mm	47559941	47569941	47609941	47539928	47589941
	36H/126mm	47559951	47569951	—	47539934	47589951
	Q.R/126mm	50229128	50249226	50249226	50249177	50249196
	32H/130mm	47559943	47569943	47609943	47539930	—
	36H/130mm	47559953	47569953	—	47539936	—
	Q.R/130mm	50229130	50249227	50249927	50249179	—
Freewheel Body		Steel	Steel	Duralumin	Steel	Steel
Grease Gaurd System		—	—	—	—	—
Bearing Type		Cartridge ※③	Cup & Cone	Cup & Cone	Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●	●	●	●
Sealed Mechanism		●	●	●	●	●
Spring-Saver		●	—	—	—	—
Weight: g (36H/126mm)						

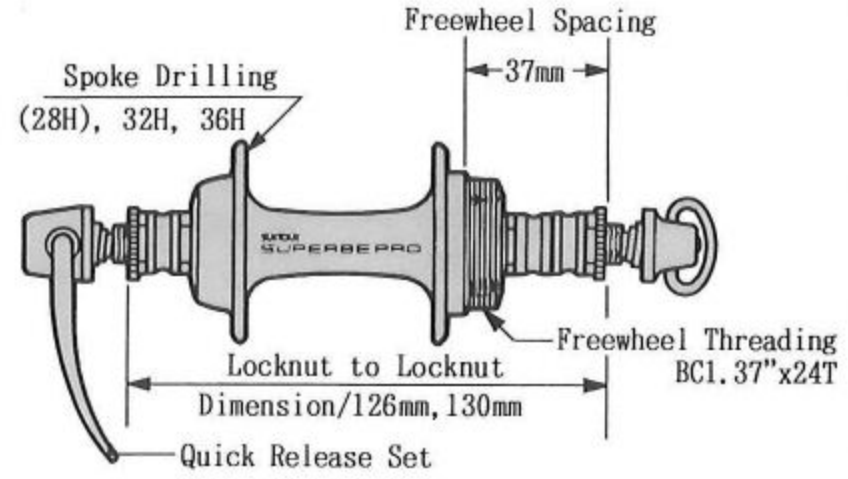
※① Sporke drilling 28H option. Code No.47559931(126mm), Code No.47559933(130mm)
※② Sporke drilling 28H option. Code No.47609931(126mm), Code No.47609933(130mm)
※③ Left side only.

Cassette Cogs Specifications

COMPONENT / SPECIFICATIONS			CASSETTE COGS			
						
7Speed	Model No.		CS-AP00-S7	—	CS-AP00-K7	—
	Code No.	Top/12T	47179802		48179702	
		Top/13T	47179803		48179703	
6Speed	Model No.		—	CS-AP00-S6	—	CS-AP00-K6
	Code No.			47169801		47169701
ACCUSHIFT PLUS Compatible			●	●	●	●
Compatible Chain pin Size			Below 7.3mm	Below 8.0mm	Below 7.3mm	Below 8.0mm
Cog Ranges Available (T)		1st	12T～13T	13T～14T	12T～13T	13T～14T
		2nd	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T	13T～24T 26, 28, 30, 32T
		3rd				
		4th				
		5th				
		6th				
		7th		—		—
Cog Color			Silver	Silver	Black	Black
Standard Ratio (T)			12x14x16x18x21x24x28 13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	12x14x16x18x21x24x28 13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30
Weight: g			257 (13～24T) 309 (12～28T)	284 (13～28T) 298 (13～30T)	257 (13～24T) 309 (12～28T)	284 (13～28T) 298 (13～30T)

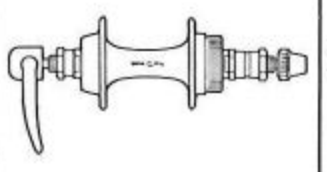
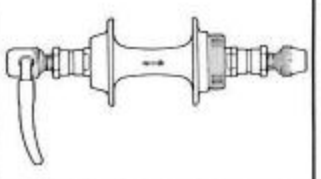


【Fig.31】



【Fig.32】

Rear Hub Specifications (Light Weight)

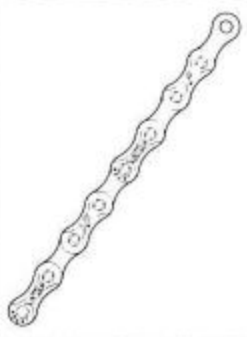
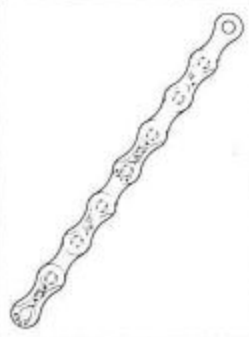
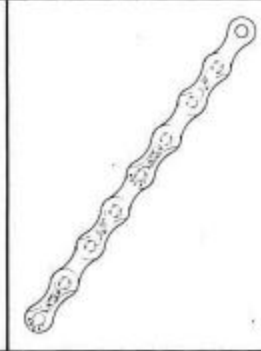
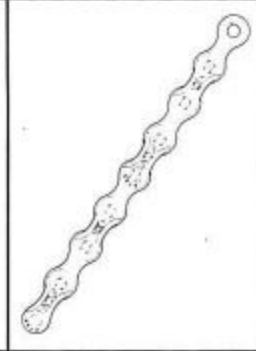
COMPONENT / SPECIFICATIONS		SUPERBE-PRO	GPX	RADIUS
				
Model No.		HB-SB00-R	HB-GP00-R	HB-RA00-R
Code No.	28H/126mm	52359235	—	—
	32H/126mm	52359243	52619303	52839224
	36H/126mm	52359251	52619307	52839234
	Q.R/126mm	50229128	50249177	50249196
	28T/130mm	52359260	—	—
	32T/130mm	52359261	—	—
	36T/130mm	52359257	—	—
	Q.R/130mm	50229130	—	—
Freewheel Spacing (mm)		37	37	37
Bearing Type		Cartridge	Cup & Cone	Cup & Cone
Dished & Slant Cut Flange		●	●	●
Freewheel Threading		BC1.37"x24T	BC1.37"x24T	BC1.37"x24T
Sealed Mechanism		●	●	●
Spring-saver		●	—	—
Weight: g (36H/126mm)		297	310	

Freewheel Specifications

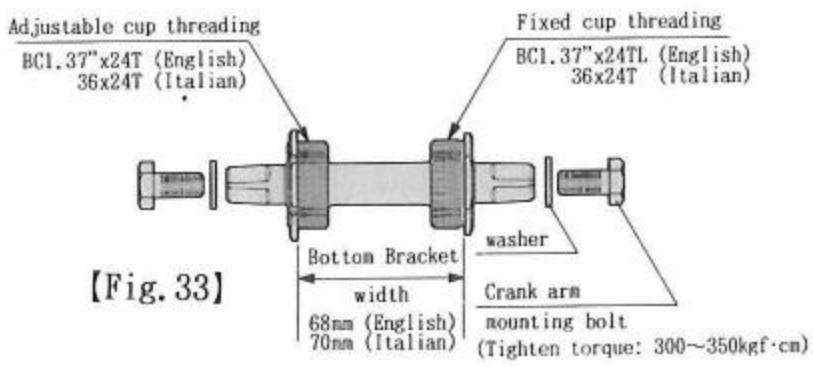
COMPONENT / SPECIFICATIONS		WINNER		SUNTOUR-AP			
							
Model No.		FW-WT10-S7	FW-WT10-S6	FW-AL10-S7	FW-AL10-S6	FW-AL10-K7	FW-AL10-K6
Code No.	7 Speed	17079802	—	15079803	—	15079703	—
	6 Speed	—	17079803	—	15069801	—	15069701
ACCUSHIFT PLUS Compatible		●	●	●	●	●	●
Oil Hole		●	●	—	—	—	—
Compatible Chain Pin Size		Below 7.3mm	Below 8.5mm	Below 7.3mm	Below 8.5mm	Below 7.3mm	Below 8.5mm
Freewheel Space Dimension		Above 37mm	Above 37mm	Above 37mm	Above 37mm	Above 37mm	Above 37mm
Threading		BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T	BC1.37"x24T
Cog Ranges Available (T)	1st	12～14	13～15	13	13～16	13	13～16
	2nd	13～16	14～16	14～17	14～17	14～17	14～17
	3rd	14～17	15～23	15～24	15～24	15～24	15～24
	4th	15～23					
	5th		17～26		17～26		17～26
	6th	17～26	28,30,32,34	18～34	28,30,32,34	18～34	28,30,32,34
	7th	28,30,32,34	—		—		—
Standard Ratio (T)		13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30	13x14x15x17x19x21x24 13x14x15x17x20x23x26 13x15x17x19x21x24x28 13x15x17x20x23x26x30	13x15x17x20x24x28 13x15x17x20x24x30
Cog Color		Silver	Silver	Silver	Silver	Black	Black
Weight: g		422 (13～24T) 487 (13～28T)	458 (13～30T) 444 (13～28T)	415 (13～24T) 483 (13～28T)	444 (13～28T) 459 (13～30T)	415 (13～24T) 483 (13～28T)	444 (13～28T) 459 (13～30T)

※① Locknut to locknut dimension: 126～135mm ※① Freewheel space: Above 37mm

Chain Specifications

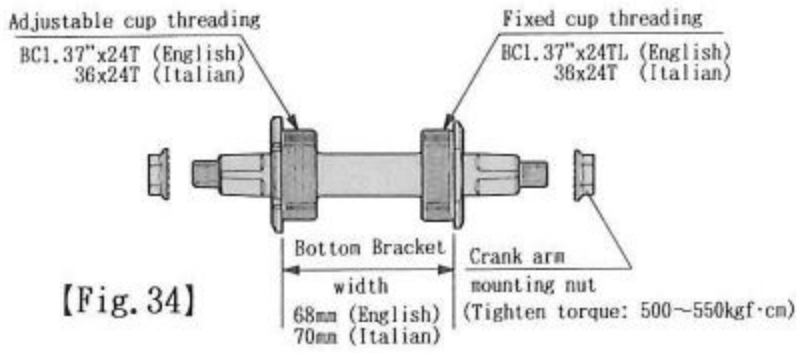
COMPONENT / SPECIFICATIONS		AP-PRO	AP-10	AP-20	AP-50
					
Model No.		CH-AP00	CH-AP10	CH-AP20	CH-AP50
Code No.		50650116	50670116	50690116	50700116
Ultra Freewheel Compatible		●	●	●	●
Pin width (mm)		7.3	7.3	7.3	7.3
Bushless Type		●	●	●	—
Bushed Type		—	—	—	●
Link Plate Color	Silver	●	—	—	—
	Black & Silver	—	●	—	—
	Black & Black	—	—	●	●
Dai-Hard Treatment		●	—	—	—
Cambered Outer Link Plate		●	●	●	●
Weight: g (116 Link)		325	325	325	352

(Bolt-mount type)



【Fig. 33】

(Nut-mount type)



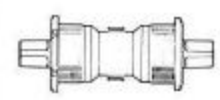
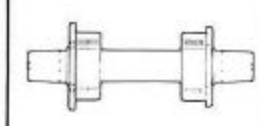
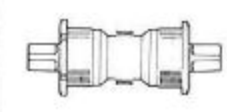
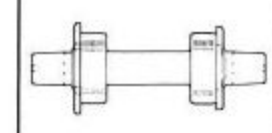
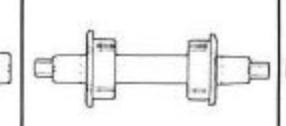
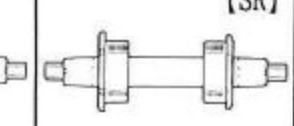
【Fig. 34】

Crank Set Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	GPX	RADIUS	EDGE	BLAZE	VX	RT
								 【SR】	 【SR】
Model No.		CW-SB10	CW-SL00	CW-GP10	CW-RA00	CW-ED01	CW-BE01	CW-VX01	CW-RT00
Crank Length (mm)	165.0	51449901	51439921	51649821	51609931	51729731	51719731	51389801	51459921
	167.5	51449905	—	—	—	—	—	—	—
	170.0	51449907	51439929	51649825	51609935	51729735	51719735	51319803	51459929
	172.5	51449913	—	—	—	—	—	—	—
	175.0	51449917	51439937	—	—	—	—	—	51459937
PoweRing Standard Ratio		52x42T ※①	52x42T ※②	52x42T	52x42T	52x42T	52x42T	52x42T	52x42T
Bolt Circle Diameter (mm)		130	130	130	130	130	130	—	—
Anti Chain-Jam Pin		Chainring	Crank	Crank	Crank	Crank	Crank	Crank	Crank
Chainring Material		Sup.Duralumin	Duralumin	Duralumin	Duralumin	Steel ※③	Steel	Steel	Steel
Chain Size	1/2"x3/32"	●	●	●	●	●	●	●	●
Pedal Threading		BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T	BC9/16"x20T
Low Profile & Off-set Arm		●	●	●	●	●	●	●	●
Taper Type		SUPERBE	VX	VX	VX	VX	VX	VX	VX
Compatible Bottom Bracket		BB-SB11 BB-SB20	BB-SL00 BB-SL10	BB-GP10	BB-RA01	BB-RA01	BB-RA01	BB-VX01	BB-VX01
Chain Guard		—	Option	Option	Option	Option	Option	Option	Option
Weight: g (170mm/52x42T)		680	686	686	700	844	844	960	905

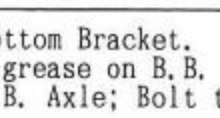
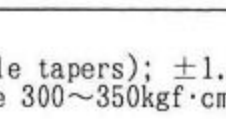
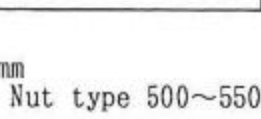
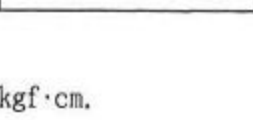
※① Powering not available. Available chainrings: 53, 51,50, 49, 48, 43, 41, 40, 39, 38T ※② 53,39T (non-powering) also available.
※③ Option: Duralumin Chainring.

Bottom Bracket Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SPB. MICROLITE	SL	SL-MICROLITE	GPX	RADIUS ※①	VX, RT
								【SR】 
Model No.		BB-SB11-E	BB-SB20-E	BB-SL00-E	BB-SL10-E	BB-GP10-E	BB-RA01-E	BB-VX01-E
Code No.		51799961	51099901	51129901	51109901	51869921	51019921	51039921
Compatible B.B. Width(mm)		68	68	68	68	68	68	68
Chain Line		44.5	44.5	46	46	46	45.5	45.5
Taper Type		SUPERBE	SUPERBE	VX	VX	VX	VX	VX
Cr-Mo Steel Axle		●	●	—	—	—	—	—
Cup Material		Steel	Duralumin	Steel	Duralumin	Steel	Steel	Steel
Bearing Type		Cup & Cone	Cartrige	Cup & Cone	Cartrige	Cup & Cone	Cup & Cone	Cup & Cone
Grease Guard System		—	●	—	●	—	—	—
Crank Mounting	Bolt Type	●	●	●	●	●	—	—
	Nut Type	—	—	—	—	—	●	●
Precision Ground Race		●	●	—	●	—	—	—
Sealed Mechanism		●	●	●	●	●	●	—
Ball Retainer		11-Ball	Bearing	9-Ball	Bearing	9-Ball	9-Ball	9-Ball
Cup Threading		BC1.37"×24T	BC1.37"×24T	BC1.37"×24T	BC1.37"×24T	BC1.37"×24T	BC1.37"×24T	BC1.37"×24T
Axle Marking		BB-91/SUNTOUR	SUNTOUR	D-3L	D-3L	D-3L	N-3A	N-3A
Weight: g		309	265	329	270	329	350	344

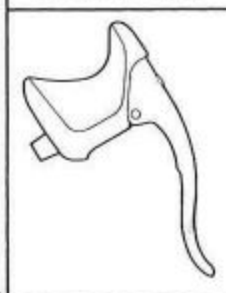
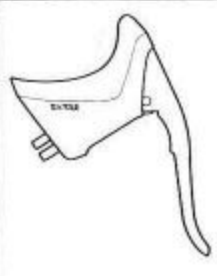
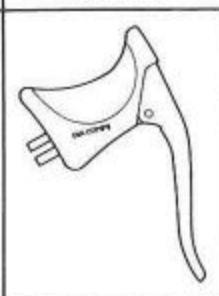
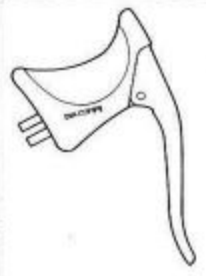
※① Same as EDGE, & BLAZE Bottom Bracket.
※② Chainline tolerance (No grease on B.B. axle tapers); ±1.5mm
※③ Tightening torque for B.B. Axle; Bolt type 300～350kgf·cm, Nut type 500～550kgf·cm.

Bottom Bracket Specifications (Light Weight)

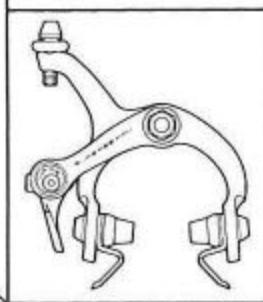
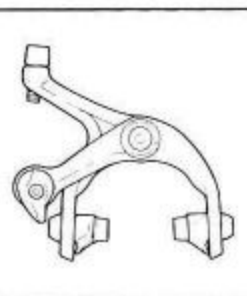
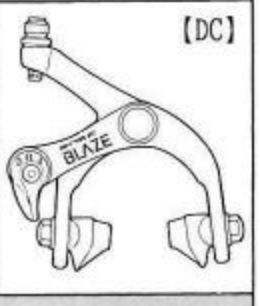
COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SPB. MICROLITE	SL	GPX	RADIUS ※①
						
Model No.		BB-SB11-I	BB-SB20-I	BB-SL00-I	BB-GP10-I	BB-RA01-I
Code No.		51799963	51099903	51129903	51869933	51019923
Compatible B.B. Width(mm)		70	70	70	70	70
Chain Line (mm)		44.5	44.5	45	45	44.5
Taper Type		SUPERBE	SUPERBE	VX	VX	VX
Cr-Mo Steel Axle		●	●	—	—	—
Cup Material		Steel	Duralumin	Steel	Steel	Steel
Bearing Type		Cup & Cone	Cartrige	Cup & Cone	Cup & Cone	Cup & Cone
Crank Mounting	Bolt Type	●	●	●	●	—
	Nut Type	—	—	—	—	●
Precision Ground Race		●	●	—	—	—
Sealed Mechanism		●	●	●	●	●
Ball Retainer		11-Ball	Bearing	9-Ball	9-Ball	9-Ball
Cup Threading		36×24T	36×24T	36×24T	36×24T	36×24T
Axle Marking		BB-91/SUNTOUR	SUNTOUR	D-5H	D-5H	N-5L
Weight: g		309	265	329	329	350

※① Same as EDGE, & BLAZE Bottom Bracket.
※② Chainline tolerance (No grease on B.B. axle tapers); ±1.5mm
※③ Tightening torque for B.B. Axle; Bolt type 300～350kgf·cm, Nut type 500～550kgf·cm.

Brake Lever Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	GPX	RADIUS	EDGE	BLAZE	VX	RT
									
Short Type	Model No.	BL-SB11	BL-SL00	BL-GP00	BL-RA00-S	BL-ED00-S	BL-BE00-S	—	—
	Code No.	60019921	60059905	60029001(R) 60029021(L)	60039903	60139903	60149911	—	—
Standard Type	Model No.	—	—	—	BL-RA00-N	BL-ED00-N	BL-BE00-N	BL-VX00-N	BL-RT00-N
	Code No.				60039901	60139901	60149901	60159901	60429901
B.R.S Mechanism		●	●	●	●	●	●	●	●
Ergonomic Design		●	●	●	●	●	●	●	●
Adjustable Reach		—	●	●	—	—	—	—	—
Clamp Diameter (mm)		23.8~24.2	23.8~24.2	23.8~24.2	22.2~23.8	22.2~23.8	22.2~23.8	22.2~23.8	22.2~23.8
Hood Colors	Black	—	●	●	●	●	●	●	●
	Dark Grey	●	—	—	—	—	—	—	—
	Light Grey	—	—	●	—	—	—	—	—
Cable Standard Lenghth		See Table(L)	See Table(L)	See Table(L)	See Table(M)	See Table(M)	See Table(M)	See Table(M)	See Table(M)
Weight: g/pr.		236	260	260	228	232	238	238	238

Brake caliper Specifications (Light Weight)

COMPONENT / SPECIFICATIONS		SUPERBE-PRO	SL	GPX	RADIUS	EDGE	BLAZE	
					 【DC】	 【DC】	 【DC】	 【DC】
Front Caliper	Model No.	BA-SB01-SF	BA-SL00-SF	BA-GP00-SF	BA-RA01-SF	BA-ED00-SF	BA-BE00-SF	BA-BE00-NF
	Code No.	61999051	62199901	62069009	62049931	62149001	62159001	62159011
Rear Caliper	Model No.	BA-SB01-SR	BA-SL00-SR	BA-GP00-SR	BA-RA01-SR	BA-ED00-SR	BA-BE00-SR	BA-BE00-NR
	Code No.	61999052	62199903	62069011	62049933	62149003	62159003	62159013
B.R.S.		●	●	●	●	●	●	●
Internal Coil Spring		●	—	●	—	—	—	—
Thrust Bearing		●	—	—	—	—	—	—
Angle Adjustable Shoe		●	—	—	—	—	—	—
Quick Release	Eccentric	●	●	●	●	●	●	●
	Ratchet	●	●	●	●	●	●	●
	Twist	—	—	—	—	—	—	—
Mounting	Recessed Type	●	●	●	●	●	●	●
	Nut Type	—	—	—	—	—	—	—
Cable Clamp Type		Anchor Plate	Anchor Plate	Anchor Plate	Anchor Plate	Anchor Plate	Anchor Plate	Anchor Plate
Shoe Adjustment Range (mm)		39~49	39~51	39~49	39~51	40~52	40~52	47~57
Composite Brake Shoe		—	●	●	●	●	●	●
Weight: Short/pr.		362	290	370	290	300	300	308

Brake caliper Specifications (Light Weight)

SPECIFICATIONS \ COMPONENT		VX [DC]	RT [DC]
Front Caliper	Model No.	BA-VX00-NF	BA-RT00-NF
	Code No.	62169001	62209901
Rear Caliper	Model No.	BA-VX00-NR	BA-RT00-NR
	Code No.	62169003	62209903
B.R.S.		●	●
Internal Coil Spring		—	—
Thrust Bearing		—	—
Angle Adjustable Shoe		—	—
Quick Release	Eccentric	—	—
	Ratchet	—	—
	Twist	●	●
Mounting	Recessed Type	—	—
	Nut Type	●	●
Cable Clamp Type		Eye Bolt	Eye Bolt
Shoe Adjustment Range (mm)		45~57	45~57
Composite Brake Shoe		●	●
Weight: Short/pr.		290	290

Table (L)	Front	Rear
Inner Cable	680 mm	1,360 mm
Outer Casing	560 mm	1,240 mm

* For Brake Lever/Superbe-pro, SL, GPX

【Fig. 35】

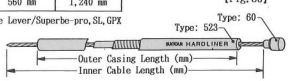
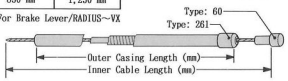


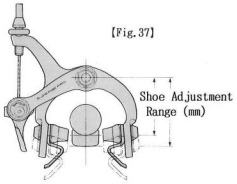
Table (M)	Front	Rear
Inner Cable	775 mm	1,375 mm
Outer Casing	650 mm	1,250 mm

* For Brake Lever/RADIUS~VX

【Fig. 36】



【Fig. 37】



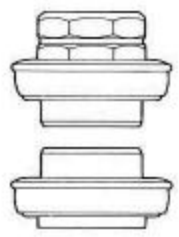
Pedal Specifications (Light Weight)

SPECIFICATIONS \ COMPONENT		SUPERBE-PRO	SUNTOUR	GPX
Model No.		PL-SB00	PL-TM00	PL-GP00
Code No.		53279931	53109901	53429901
Bearing Type		Cartridge	Cartridge	Cup & Cone
Axle	Co-Mo Steel	●	●	●
	Boron Steel	—	—	—
Axle Threading		BC9/16"×20T	BC9/16"×20T	BC9/16"×20T
Cross Braced Body		●	—	●
Sealed Mechanism		●	●	●
Replaceabe Plate		●	—	—
Compatible Toe Clip	Standard	●	—	●
	Adjustable	—	—	●
Clipless Type		—	●	—
Weight: g/pr.		290	476	360

Seat Post Specifications

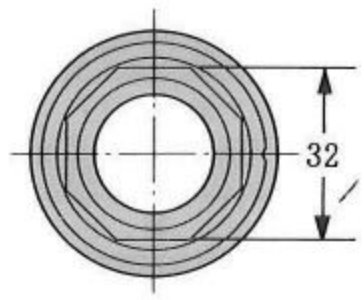
COMPONENT / SPECIFICATIONS		SUPERBE-PRO	
			
Model No.		SP-SB00-S	SP-SB00-L
Code No. ※①	25.0mm	53629607	53629610
	26.8mm	53629662	53629666
	27.0mm	53629668	53629671
	27.2mm	53629672	53629677
Length	200mm	●	—
	250mm	—	●
Anodized Finish		●	●
Cr-Mo Steel Clamp Bolt		●	●
Angle Adjustment Range		22	22
Saddle Base Width (mm)		44	44
Saddle Base Diameter (mm)		7~8	7~8
Weight: g		250	278

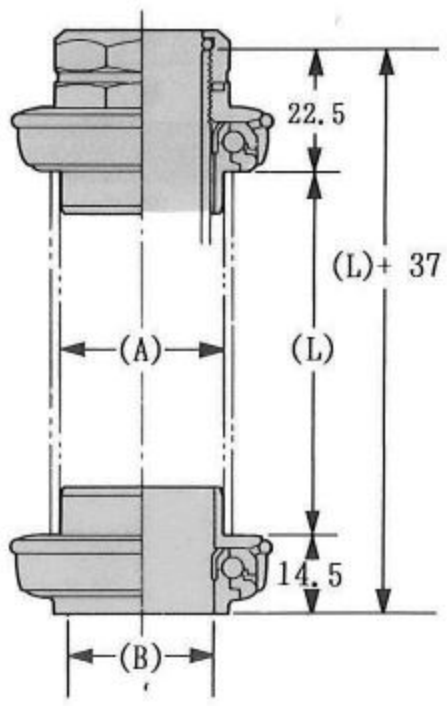
Head Set Specifications (Light Weight)

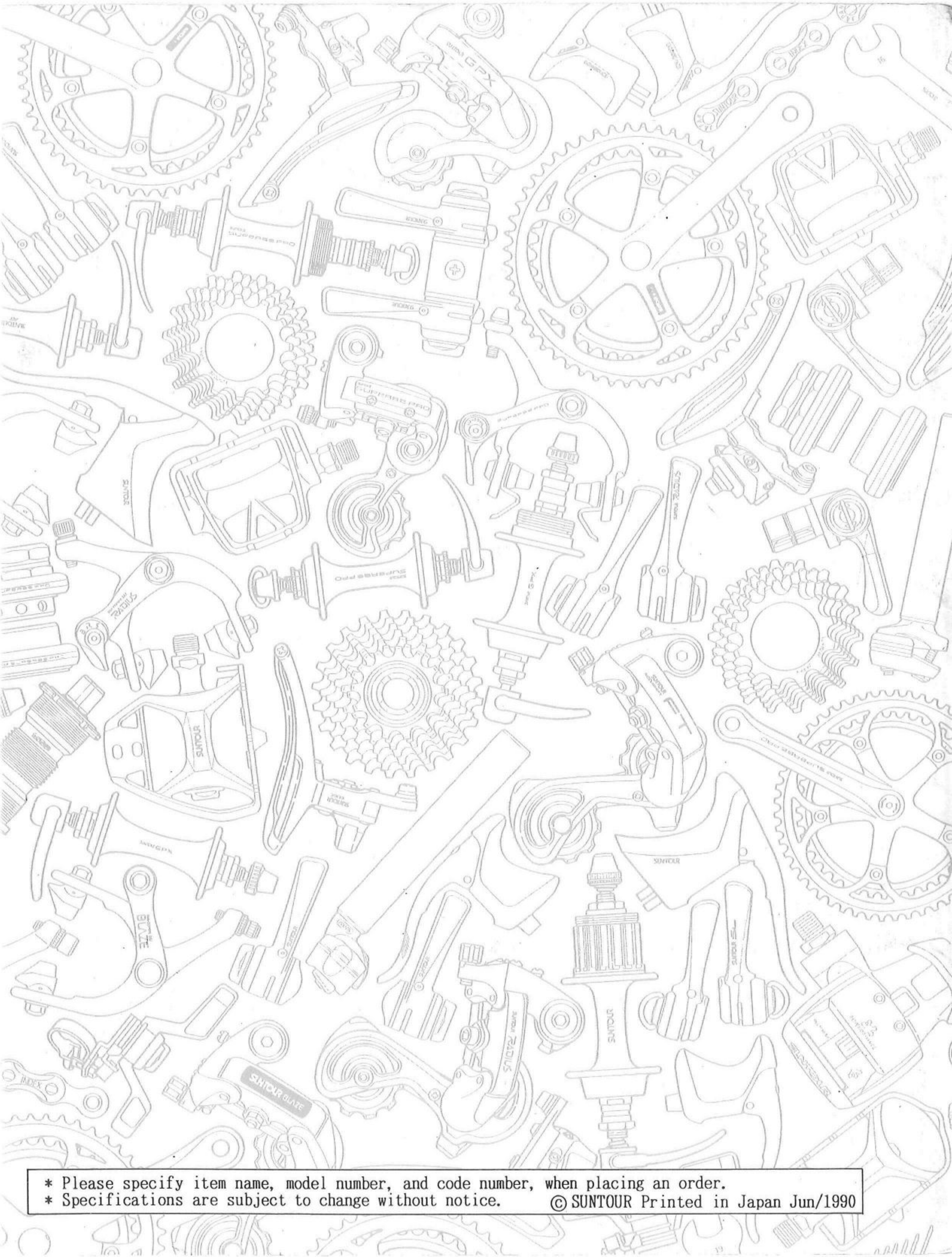
COMPONENT / SPECIFICATIONS		SUPERBE-PRO
		
JIS	Model No.	HS-SB10-J
	Code No.	50019901
English & Italian	Model No.	HS-SB10-I
	Code No.	50019911
Grease Guard System		●
Dust Sealed Mechanism		●
O-Ring Sealing Mechanism		●
Micro Polished Ball Race		●
Composite Angle Races		●
Stack Height		See Table(N)
Bearing Size		5/32"
Number of Bearings		26
Threading		BC1"x24T
Weight: g		125

4mm spacer is option.

	Type	Thread	Race Diameter (A)	Race Diameter (B)
J	JIS	BC1"x24T	30.0mm	27.0mm
I	English & Italian		30.2mm	26.4mm







* Please specify item name, model number, and code number, when placing an order.
* Specifications are subject to change without notice.

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