SHIMANO

2024-2025 SPEC. HANDBOOK

- MTB
- **TREKKING**
- **■** GRAVEL
- ROAD
- **LIFESTYLE Active**
- **LIFESTYLE Comfort**
- **■** GENERAL
- **■** E-BIKE

REMARKS Mark \checkmark : available / Mark -: not available

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This information should not be photo copied.

Specifications are subject to change without prior notice.

Visit SHIMANO PRODUCT WEBSITE for the latest information.

Word definitions

ВВ	Bottom bracket	HP	Head parts
ВС	Brake outer casing	HRB, BR	Roller brake
ВСС	Charger cord	I-SPEC	Integration mounting system of brake
BCR, EC	Battery charger	I-SPEC	lever and shifter
ВН	Brake hose	ID	CI-DECK
BL	Brake lever	JC	Junction
ВМ	Battery mount	LP	Light
BR	Brake caliper	MF	Multiple freewheel
втс	Battery case	MU	Motor unit
BT, BTR	Battery	O.L.D.	Over Locknut Dimension
СВ	Coaster brake	ОТ	Shift outer casing
CC, EWC	Wire cover	P.C.D.	Pitch Circle Diameter
CD	Chain device	PCE	PC linkage device
CG	Chain guard	PD	Pedal
CJ	Cassette joint	PM	POWER MODULATOR
CN	Chain	QR	Quick release
СР	Spoke protector	RD	Rear derailleur
CR	Chainring	RT, SMRT	Rotor
CS	Cassette	RTAD	Rotor adapter
СТ	Chain tensioner	SB	REVOSHIFT shifter integrated with
DH	Hub dynamo	30	brake lever
DU	Drive unit	SC	Cycle computer,
EW	Electric wire		System information display
EWCP	Satellite charging port	SF	Single freewheel
EWEX	Di2 adapter, CAN adapter	SG	Internal geared hub
EWSW	Satellite system ON/OFF switch	SL	Shifter
EWW, WU	Wireless unit	SPD	SHIMANO PEDALING DYNAMICS
FC	Crankset, Crank arm	SPD-SL	SHIMANO PEDALING DYNAMICS-SL
FD	Front derailleur	ST	DUAL CONTROL LEVER : Shifter
FH	FREEHUB		integrated with brake lever
GM	Grommet	SW	Shift switch, Switch unit, Satellite shifter
НВ	Front hub	WH	Wheel

MTB

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Shifter

Ser	ies		XTR	XTR	XTR	XTR	XTR	XTR
Model no.			SL-M9100-R	SL-M9100-IR	SL-M9100-L	SL-M9100-IL	SL-M9000-R	SL-M9000-L
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	-	2	2	-	2/3	
Rear s	Rear speeds		12	12	-	-	11	-
Compatible rear	derailleur	type	12-speed	12-speed	-	-	MTB 11-speed	-
	Clamp band		1	-	✓	-	✓	✓
Mount type	I-SP	EC B	-	-	-	-	-	-
Would type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	1	-	✓	-	-
Shift lever po	sition adju	st	-	(14 mm slide adjust range)	-	(14 mm slide adjust range)	-	-
Shift lever rotation a	djust (non	I-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	1	1	1	1	1	✓
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	4	4	-	-	4	-
	MULTI F	RELEASE	1	1	-	-	√ *	-
	INSTANT RELEASE		1	1	1	1	✓	✓
Release function	2-WAY RELEASE		1	1	1	1	1	1
	Adjusta	ble lever	-	-	1	1	-	-
	w	ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
2.5. 2	Witl	hout	1	1	1	1	✓	✓
Multi-bearing	constructi	on	4	4	4	4	4	4
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Anodized	Painted	Anodized	Painted	Anodized	Anodized
a.	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
Made Income hands	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	CFRP	CFRP
Main lever body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Pologo lever best	Mat	erial	CFRP	CFRP	-	-	CFRP	CFRP
Release lever body	Fin	ish	-	-	-	-	-	-
Page cover	Mat	erial	CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
Base cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	1	1	1	1	4	✓
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
	cable	SIL-TEC	-	-	-	-	-	-
			1	1	1	1	1	✓
		Steel	-	-	-	-	-	-
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		117 (/pc)	112 (/pc)	79 (/pc)	74 (/pc)	200 (/pair)	200 (/pair)
No	te		w/Rubber grooved grip (main/release lever)	w/Rubber grooved grip (main/release lever)	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	* Pull: single, push: double	

Shifter

Ser	ies		XTR	XTR	SAINT	SAINT	DEORE XT	DEORE XT
Mode	Model no.		SL-M980-B-IR	SL-M980-B-IL	SL-M820	SL-M820-B-I	SL-M8100-R	SL-M8100-IR
	1		Series color	Series color	Series color	Series color	Series color	Series color
Color	:	2	-	-	-	-	-	-
	1	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		-	2/3	-	-	-	-
Rear s	peeds		10	-	10	10	12	12
Compatible rear	derailleur	type	MTB 10-speed	-	MTB 10-speed	MTB 10-speed	12-speed	12-speed
	Clamp band		-	-	1	-	1	-
	I-SPEC B		1	1	-	√ **	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
		C EV	-	-	-	-	-	1
Shift lever po	sition adju	st	1	1	-	1	-	(14 mm slide adjust
Shift lever rotation a	djust (non	-SPEC EV)	1	1	-	1	-	-
Shift lever o	-		✓ (CFRP)	✓ (CFRP)	✓ (CFRP)	✓ (CFRP)	1	1
Front 2/3 mo			-	1	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	4	-	4	4	4	4
	MULTI F	RELEASE	1	-	√ *	√ *	1	1
	INSTANT	RELEASE	1	1	1	1	1	1
Release function	2-WAY RELEASE		1	1	1	1	1	1
	Adjusta	ble lever	-	-	-	-	-	-
Adjustable lev		ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
DISI EAT	Witl	hout	1	1	1	1	1	1
Multi-bearing	constructi	on	4	4	4	4	2	2
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Mat	erial	-	-	Stainless steel	-	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	Black	-	Black	Black
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin	ish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Mat	erial	Steel+CFRP	Steel+CFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	-	-	-	-	-	-
_	Mat	erial	CFRP	CFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	1	1
	capie	SIL-TEC	✓	1	-	-	-	-
		Stainless	✓	1	1	1	1	1
	Steel		-	-	-	-	-	-
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		103 (/pc)	98 (/pc)	123 (/pc)	114 (/pc)	117 (/pc)	120 (/pc)
No	te				* Pull: single, push: double	* Pull: single, push: double ** I-spec B-type	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)

SLMT

SMSL

BL BL

RD

FD BR

BR

BR FC

SMCD

SMCR

BB

НВ

FH

CI-DECK

SC

SW

RD

SMAD

FD

SC

Shifter

Seri	ies		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode	Model no.		SL-M8100-L	SL-M8100-IL	SL-M8130-R11	SL-M8130-IR11	SL-M8000-R	SL-M8000-L
	Color 2 3		Series color	Series color	Series color	Series color	Series color	Series color
Color			-	-	-	-	-	-
			-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds			2	2	-	-	-	2/3
Rear s	peeds		-	-	11	11	11	-
Compatible rear	derailleur	type	-	-	LINKGLIDE 11-speed	LINKGLIDE 11-speed	MTB 11-speed	-
	Clamp	band	✓	-	1	-	✓	1
	I-SPI	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	1	-	1	-	-
Shift lever po	sition adju	st	-	(14 mm slide adjust range)	-	1	-	-
Shift lever rotation ac	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever c			1	1	1	1	1	1
Front 2/3 mod	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	-	2	2	4	-
	MULTI R	RELEASE	-	-	-	-	√ *	-
İ	INSTANT	RELEASE	1	1	1	1	1	1
Release function	2-WAY RELEASE		1	1	1	1	1	1
	Adjustal		1	1	-	-	-	-
	Wi		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (rer		-	-	-	_	1	1
DISPLAT	With		1	1	1	1	1	· ·
Multi-bearing			2	2	2	2	2	2
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mat		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin		Black	Black	Black	Black	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	-	-	-	-	-	-
	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
Chift laver sala	Inner	OPTISLIC K	1	1	1	1	1	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	√
	Stainless		-	-	-	-	-	-
Recommended shift	lever oute	r casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average w	veight (g)	-	78 (/pc)	78 (/pc)	117 (/pc)	120 (/pc)	127 (/pc)	117 (/pc)
Average weight (g) Note		w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)		-	* Pull: single, push: double		

Shifter

Series Model po			DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			SL-M8000-IR	SL-M8000-IL	SL-M8000-B-IR	SL-M780-B-IR	SL-M780-B-IL	SL-M780-R
	1		Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifter	type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		-	2/3	-	-	2/3	-
Rear sp	Rear speeds		11	-	11	10	-	10
Compatible rear	derailleur	type	MTB 11-speed	-	MTB 11-speed	MTB 10-speed	-	MTB 10-speed
	Clamp	band	-	-	-	-	-	1
	I-SPI	EC B	-	-	1	1	1	-
Mount type	I-SPI	EC II	✓	1	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	1	1	1	1	1	-
Shift lever rotation ad	ljust (non I	-SPEC EV)	1	1	1	1	1	-
Shift lever ca	able adjust	:	1	1	1	1	1	1
Front 2/3 mod	de converte	er	-	-	-	-	1	-
Max. multiple shifts	(main leve	er/rear)	4	-	4	4	-	4
Ī	MULTI R	ELEASE	√ *	-	√ *	1	-	1
	INSTANT	RELEASE	1	1	1	1	1	1
Release function	2-WAY RELEASE		✓	1	1	1	1	1
	Adjustal	ole lever	-	-	-	-	-	-
Adjustai		ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	1
	With	nout	✓	1	1	1	1	1
Multi-bearing	construction	on	2	2	2	2	2	2
el (6)	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Cl	Mate	erial	-	-	-	-	-	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
Main lawar hadu	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Dalanas lavas hashi	Mate	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	-	-	-	-	-	-
Page annual	Mate	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	1	1	1	-	-	-
cable		SIL-TEC	-	-	-	-	-	-
	Stainle		1	✓	1	1	1	1
		Steel	-	-	-	-	-	-
Recommended shift	lever oute	r casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		120 (/pc)	110 (/pc)	117 (/pc)	114 (/pc)	106 (/pc)	128 (/pc)	
Not	te		* Pull: single, push: double		* Pull: single, push: double			

3L

SLMT

BL

RD

BL

FD

BR BR

BR

FC SMCD

SMCR

ВВ

CS HB

FH

WH CI-DECK

SC

SW

RD FD

SMAD

SC

Shifter

Mada			DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX
Widde	Series Model no.		SL-M780-L	SL-M770-A-R	SL-M770-A-L	SL-M7100-R	SL-M7100-IR	SL-M7100-L
	1		Series color	Series color				
Color	2	<u> </u>	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifter	type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO				
Front s	Front speeds		2/3	-	3	-	-	2
Rear sp	Rear speeds		-	9	-	12	12	-
Compatible rear	derailleur 1	type	-	MTB 9-speed	-	12-speed	12-speed	-
	Clamp	band	✓	1	1	✓	-	1
	I-SPE	С В	-	-	-	-	-	-
Mount type	I-SPI	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	1	-
Shift lever pos	sition adjus	st	-	-	-	-	(14 mm slide adjust range)	-
Shift lever rotation ad	ljust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever ca			1	1	1	1	1	1
Front 2/3 mod	le converte	er	1	-	-	-	-	-
Max. multiple shifts	(main leve	er/rear)	-	4	-	3	3	-
	MULTI R	ELEASE	-	-	-	-	-	-
	INSTANT RELEASE		1	1	1	-	-	1
Release function	2-WAY R	RELEASE	1	1	1	1	1	1
-	Adjustak	_		-	-	-	-	1
	Wi		_	-	-	_	-	-
OPTICAL GEAR DISPLAY	With (ren		1	1	1	-	_	
DISPLAY	With		1	1	1	1	1	1
Multi-bearing			2	2	2	-	-	
	Mate		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fini		Painted	Painted	Painted	Painted	Painted	Painted
	Mate		Stainless steel	Stainless steel				
Clamp screw	Fin		-	-	-	-	-	-
	Mate		Aluminum	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body	Fin		Painted	Painted	Painted	-	-	-
	Mate		Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin		-	-	-	-	-	-
	Mate		GFRP	Resin	Resin	GFRP	GFRP	GFRP
Base cover	Fini		Painted	Painted	Painted	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	-	-	-	1	1	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
	SIL Stai		1	1	1	1	1	1
			-	-	-	-	-	-
Recommended shift	lever oute		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		121 (/pc)	255 (/pair)	255 (/pair)	117 (/pc)	117 (/pc)	77 (/pc)	
Average w	Average weight (g) Note							

MTB

Shifter

1 Series color	Series		SLX	SLX	SLX	SLX	SLX	SLX	
Shift			SL-M7100-IL	SL-M7000-11-R	SL-M7000-L	SL-M7000-11-IR	SL-M7000-IL	SL-M7000-10-R	
Shifter type				Series color	Series color	Series color	Series color	Series color	Series color
Shift type	Color	2	<u>!</u>	-	-	-	-	-	-
MONITOR Peeds			3	-	-	-	-	-	-
Rear speeds	Shifter t	type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS				
Compatible rear derailleur type	Front spe	eeds		2	-	2/3	-	2/3	-
Mount type	Rear spe	eeds		-	11	-	11	-	10
Mount type	Compatible rear d	derailleur	type	-	MTB 11-speed	-	MTB 11-speed	-	MTB 10-speed
Special Spe		Clamp	band	-	✓	✓	-	-	✓
LSPEC	Mount tune	I-SPI	EC B	-	-	-	-	-	-
Shift lever position adjust 1.4 mm slide adjust	Mount type	I-SPI	EC II	-	-	-	✓	✓	-
Shift lever cable adjust Shift lever cable		I-SPE	C EV	✓	-	-	-	-	-
Shift lever rotation adjust (non L-SPEC EV)	Shift lever posi	ition adju	st	(14 mm slide adjust range)	-	-	1	1	-
Front 2/3 mode converter	Shift lever rotation adj	ust (non I	-SPEC EV)	-	-	-	1	1	-
Front 2/3 mode converter				1	1	1			1
Max. multiple shifts (main lever/rear) 3									
Release function Instant Release -				-	3	-	3	-	3
Release function 2-WAY RELEASE				-		-		-	
Release function 2-WAY RELEASE		INSTANT	RELEASE	1	-	-	-	-	-
Adjustable lever	Release function			1	J	1	1	1	1
OPTICAL GEAR With (removable) -						-		-	
OPTICAL GEAR DISPLAY With (removable)				-				_	
Multi-bearing construction	OPTICAL GEAR								
Multi-bearing construction	DISPLAY					-			-
Material Aluminum Aluminum	Multi-bearing o								
Shift lever bracket Finish Painted Stainless steel - <td>Ward-bearing C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Ward-bearing C								
Clamp screw Material Stainless steel Stainless steel - - Stainless steel	Shift lever bracket								
Clamp screw Finish									
Main lever body Material Steel+GFRP Steel-GFRP GFRP	Clamp screw			Stairness steel					Stairness steer
Main lever body Finish				Stool (CERR					Stool CERR
Material Steel+GFRP Steel+GFRP Steel+GFRP Steel+GFRP Steel+GFRP	Main lever body			3teel+drkr				3teel+drkr	
Finish				Stool (CERR				Stool : CERR	
Base cover	Release lever body								
Finish									
Shift lever cable	Base cover								
Shift lever cable		rin							
Shift lever cable SIL-TEC -		Inner	Cable	1	√	1	1	1	1
Stainless J J J J J Steel - - - - - - - Recommended shift lever outer casing OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41	Shift lever cable	cable		-	-	-	-	-	-
Steel - <td></td> <td>}</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		}							
Recommended shift lever outer casing OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41									
135 (76)									
Note				,, (,pc)	155 (760)	130 (790)	120 (790)	115 (7pc)	133 (790)

SLMT

SMSL

BL BL

RD

FD BR

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BR FC

SMCD

SMCR

BB

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WH CI-DECK

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sc

Shifter

Sei	ries		SLX	SLX	SLX	SLX	DEORE	DEORE
	Series Model no.		SL-M7000-10-IR	SL-M7000-10-B-IR	SL-M670-B-IR	SL-M670-B-IL	SL-M6100-R	SL-M6100-IR
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color			-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
	Front speeds		-	-	-	2/3	-	-
Rear s	Rear speeds		10	10	10	-	12	12
Compatible rea	r derailleur	type	MTB 10-speed	MTB 10-speed	MTB 10-speed	-	MTB 12-speed	MTB 12-speed
	Clamp	band	-	-	-	-	1	-
	I-SP	EC B	-	1	1	1	-	-
Mount type	I-SP	EC II	1	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	1
Shift lever po	osition adju	st	1	1	1	1	-	√ (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)
Shift lever rotation a	djust (non	I-SPEC EV)	1	1	✓	1	-	-
Shift lever	cable adjust	t	1	1	1	1	✓	1
Front 2/3 mo	de convert	er	-	-	-	1	-	-
Max. multiple shift	ts (main lev	er/rear)	3	3	3	-	3	3
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY I	RELEASE	✓	✓	1	1	✓	✓
	Adjusta	ble lever	-	-	-	-	-	-
	w	ith	-	-	-	-	✓	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Witl	hout	1	1	✓	1	✓	✓
Multi-bearing	constructi	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shirt lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	-	-	-	-	Stainless steel	Stainless steel
Claimp screw	Fin	ish	-	-	-	-	-	-
Main lever body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Manificati Dody	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release level body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
2020 00701	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	1	1	-	-	•	1
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	1
I —		Steel	-	-	-	-	-	-
Recommended shif	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	Average weight (g)		120 (/pc)	127 (/pc)	121 (/pc)	116 (/pc)	-	-
No	ote							

Shifter

Ser	ies		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
	Model no.		SL-M6000-R	SL-M6000-L	SL-M6000-IR	SL-M6000-IL	SL-M5100-R	SL-M5100-IR
		1	Series black	Series black	Series black	Series black	Series color	Series color
Color		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Fronts			-	2/3	-	2/3	-	-
	Rear speeds		10	-	10	-	11	11
Compatible rear	derailleur	type	MTB 10-speed	-	MTB 10-speed	-	MTB 11-speed	MTB 11-speed
	Clamp band		1	1	-	-	1	-
	I-SP		-	-	-	-	-	-
Mount type		EC II	-	-	1	1	-	-
		C EV	-	_	-	-	-	1
Shift lever po			-	-	-	-	-	✓ (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	1	1	-	-
Shift lever o	able adjust	:	1	1	1	1	1	1
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	3	-	3	-	3	3
	MULTI RELEASE		-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-
Release function	2-WAY RELEASE		1	1	1	1	1	1
		ble lever	-	-	-	-	-	-
	W	ith	1	1	-	-	1	1
OPTICAL GEAR DISPLAY	With (re	novable)	-	-	-	-	-	-
DISFLAT	With	nout	1	1	1	1	1	1
Multi-bearing	construction	on	-	-	-	-	-	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket		ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Stainless steel	Stainless steel	-	-	Stainless steel	Stainless steel
Clamp screw	Fin		-	_	-	-	-	-
		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body		ish	-	-	-	-	-	-
		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body		ish	-	-	-	-	-	-
		erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover		ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC	1	1	1	1	1	1
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	1
		Steel	-	-	-	-	-	-
Recommended shif	Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
No	te							
No	te							

SL

SLMT SMSL

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SMCD SMCR

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CS HB

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CI-DECK SC

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SC

Shifter

Seri	es		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	Model no.		SL-M5100-L	SL-M5100-IL	SL-M5130-R10	SL-M4100-R	SL-M4100-IR	SL-M610-IR
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
	3		-	-	-	-	-	-
Shifter	Shifter type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	Front speeds		2	2	-	-	-	-
Rear sp	peeds		-	-	10	10	10	10
Compatible rear	derailleur	type	-	-	LINKGLIDE 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed
	Clamp	band	1	-	✓	1	-	-
	I-SP	EC B	-	-	-	-	-	1
Mount type	I-SP	EC II	-	-	-	-	-	-
Ī	I-SPE	C EV	-	1	-	-	1	-
Shift lever po	sition adju	st	-	(14 mm slide adjust range)	-	-	✓ (w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY) *	-
Shift lever rotation ac	ljust (non I	-SPEC EV)	-	-	-	-	-	1
Shift lever ca	able adjust	:	1	1	1	1	1	1
Front 2/3 mod	de converte	er	-	-	-	-	-	-
Max. multiple shifts	s (main lev	er/rear)	-	-	2	3	3	3
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-
Release function	2-WAY RELEASE		1	1	1	1	1	1
	Adjustal	ble lever	-	-	-	-	-	-
	Adjustal		-	-	1	1	1	-
OPTICAL GEAR DISPLAY	With (removable)		_	-	-	_	-	-
DISPLAT		nout	1	1	1	1	1	1
Multi-bearing			-	-	-	-	-	-
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mat		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	-
Clamp screw	Fin		-	-	-	-	-	<u>-</u>
	Mat		Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body	Fin		-	-	-	-	-	-
		erial	-	-	Steel+GFRP	Steel+Resin	Steel+Resin	Steel+GFRP
Release lever body	Fin		<u>-</u>	-	-	-	-	-
	Mat		GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin		-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner	OPTISLIC K	1	1	1	1	1	-
Silit lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	1	-	-	1
	Stainless		1	1	-	1	1	-
Recommended shift	lever oute	r casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average w			-	-	-	-	-	-
Not					-			
				1				

Shifter

Ser	ries		DEORE	DEORE	DEORE
Mode	el no.		SL-M610-IL	SL-M590-R	SL-M590-L
		1	Series color	Series color	Series color
Color		2	-	-	-
	-	3	-	-	-
Shifte	Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	speeds		2/3	-	3
Rear s	peeds		-	9	-
Compatible real	derailleur	type	-	MTB 9-speed	-
	Clamp	band	-	1	✓
Mount type	I-SP	EC B	✓	-	-
Would type	I-SP	EC II	-	-	-
	I-SPE	C EV	-	-	-
Shift lever po	Shift lever position adjust		-	-	-
Shift lever rotation a	djust (non	-SPEC EV)	1	-	-
Shift lever	Shift lever cable adjust			1	1
Front 2/3 mo	Front 2/3 mode converter			-	-
Max. multiple shift	Max. multiple shifts (main lever/		-	3	-
	MULTI RELEASE		-	-	-
Release function	INSTANT	RELEASE	-	-	-
increase rancaem	2-WAY I	RELEASE	✓	✓	1
	Adjusta	ble lever	-	-	-
	w	ith	-	1	1
OPTICAL GEAR DISPLAY		novable)	-	-	-
		nout	1	-	-
Multi-bearing			-	-	-
Shift lever bracket		erial	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted
Clamp screw		erial	-	Stainless steel	Stainless steel
		ish	-	-	-
Main lever body		erial 	Steel+GFRP	Steel+GFRP	Steel+GFRP
		ish	-	-	-
Release lever body		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP
		ish	-	-	- CERR
Base cover		erial ish	GFRP	GFRP	GFRP -
	FIN		<u>-</u>	-	-
		Polymer- coated cable	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-
		SIL-TEC	-	-	-
		Stainless	1	/	1
		Steel	-	-	-
Recommended shif		er casing	OT-SP41	OT-SP41	OT-SP41
Average v			-	-	-
No	ote				

SLMT

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11

Seat Post Lever

Sei	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SL-MT800-IL	SL-MT500-L	SL-MT500-IL
Color	1	Black	Black	Black
Color	2	-	-	-
Lever	type	Seat post lever	Seat post lever	Seat post lever
	Clamp band	-	✓	-
Mount type	I-SPEC B	-	-	-
Wount type	I-SPEC II	-	-	-
	I-SPEC EV	1	-	~
Lever posi	tion adjust	1	-	✓
Lever rotation adj	ust (non I-SPEC EV)	-	-	-
Cable a	djuster	1	1	~
Multi bearing	construction	1	-	-
Lever bracket	Material	Aluminum	Aluminum	Aluminum
Lever bracket	Finish	Painted	Painted	Painted
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Finish	Black oxide finish	-	-
Lever body	Material	Aluminum	Aluminum	Aluminum
Level body	Finish	Painted	Painted	Painted
Lever cable	Material	Stainless steel	Steel	Steel
Level Cable	Finish	OPTISLICK	OPTISLICK	OPTISLICK
Recommended shif	t lever outer casing	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)	37	-	-
No	ote	7 mm Cable Pitch, 1800 mm inner wire length	9 mm Cable Pitch, 1800 mm inner wire length	9 mm Cable Pitch, 1800 mm inner wire length

Integration Unit for Shifter

Ser	ies	XTR	XTR	DEORE XT	DEORE XT
Mode	el no.	SM-SL98-B-R	SM-SL98-B-L	SM-SL78-B-R	SM-SL78-B-L
Base cover material		CFRP	CFRP	GFRP	GFRP
Shift lever bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum
Shirt lever bracket	Finish	Anodized	Anodized	Painted	Painted
I-SPEC co	mpatible	√ *	√ *	√ *	√ *
Compatible shifter		SL-M980	SL-M980	SL-M780	SL-M780
No	te	* I-SPEC B-type compatible	* I-SPEC B-type compatible	* I-SPEC B-type compatible	* I-SPEC B-type compatible

ИТВ

Brake Lever (Hydraulic Disc Brake)

Seri	ies	XTR	XTR	SAINT	DEORE XT	DEORE XT	SLX
Mode	l no.	BL-M9100	BL-M9120	BL-M820-B	BL-M8100	BL-M8000	BL-M7100
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size	(finger)	2	2	2	2	2	2
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake ho	ose (kit)	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SBM	SM-BH90-SBM
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color	1	Black	Black	Black	Black	Black	Black
Brake hose color (kit)	2	-	-	White	-	-	-
J-Kit spec (for OEM)	1	1	1	1	1	1
SERVO	WAVE	-	1	1	1	1	1
5 1 11 .	Toolless	-	1	1	1	1	1
Reach adjust	Tool	1	-	-	-	-	-
Free strok	Free stroke adjust		1	1	1	1	-
	Clamp band	1	1	1	1	1	1
Compatible shifter	I-SPEC B	-	-	1	-	-	-
Compatible shifter . mount	I-SPEC II	-	-	-	-	1	-
	I-SPEC EV	1	1	-	1	-	1
Clamp band	Open clamp	1	1	1	1	1	1
Shifter rotation angle EV;	adjust range (I-SPEC leg.)	60	60	-	20	-	20
Recommended	brake caliper	BR-M9100, BR- M9110-R	BR-M9120	BR-M820	BR-M8100, BR- M8110-R, BR-M8120	BR-M8000	BR-M7100, BR- M7110-R, BR-M7120
Oi	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel b	leeding	1	1	1	1	1	1
Clause and	Material	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Finish	Anodized	Painted	Painted	Painted	-	Painted
Buelse Javan	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Finish	Painted	Anodized	Anodized	Anodized	Anodized	Anodized
Master sulinda:	Material	Magnesium	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Master cylinder	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Average v	veight (g)	66	97	104	105	104	107
No	te						

SL SLMT

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Brake Lever (Hydraulic Disc Brake)

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BL-M6100	BL-M4100	BL-MT501	BL-MT401	BL-MT402-3A	BL-MT201
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size	e (finger)	2	2	2	2	3	3
	1	Series color	Black (SHIMANO logo)	Black	Black (metallic silver lever)	Black	Black
Color	2	Black (SHIMANO Logo)	-	-	Black (black lever)	Silver *	-
	3	-	-	-	-	-	-
Brake h	ose (kit)	SM-BH90-SS	SM-BH59-JK-SS (for BR-MT410) SM-BH90-SS (for BR- MT420)	SM-BH59-JK-SS (for BR-MT500) SM-BH90-SS (for BR- MT520)	SM-BH59-JK-SS (for BR-MT410) SM-BH90-SS (for BR- MT420)	SM-BH59-JK-SS (for BR-MT410) SM-BH90-SS (for BR- MT420)	SM-BH59-JK-SS
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	✓	✓	1	1	1	1
SERVO	WAVE	~	-	1	-	-	-
Reach adjust	Toolless		-	-	-	-	-
Reach aujust	Tool	✓	✓	1	1	1	1
Free strol	ke adjust	-	-	-	-	-	-
	Clamp band	*	~	1	1	1	1
Compatible shifter	I-SPEC B	-	-	-	-	-	-
mount	I-SPEC II	-	-	1	-	-	-
	I-SPEC EV	1	1	-	-	-	-
Clamp band	Open clamp	1	1	1	-	-	-
Shifter rotation angle	adjust range (I-SPEC deg.)	10	10	-	-	-	-
Recommended	l brake caliper	BR-M6100 BR-M6120	BR-MT410 BR-MT420	BR-MT500 BR-MT520	BR-MT410 BR-MT420	BR-MT410 BR-MT420	BR-MT200 BR-UR300
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel b	oleeding	✓	✓	1	✓	1	✓
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel	Steel	Steel	Steel
Clamp screw	Finish	-	-	-	Plated	Plated	Plated
Brake lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Di are level	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Master cylinder	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
iviastei Cyllilder	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Average v	veight (g)	-	-	-	-	-	-
No	te			-	-	* The option color part is master cylinder	-

Brake Lever (Hydraulic Disc Brake)

		•					
Ser	ries	SHIMANO					
Mode	el no.	BL-MT200					
Brake	type	Hydraulic disc brake					
Lever size	e (finger)	3					
	1	Black					
Color	2	-					
	3						
Brake h	ose (kit)	SM-BH59-JK-SS					
Hose	joint	Straight					
Brake hose color (kit)	1	Black					
(kit)	2	-					
J-Kit spec	(for OEM)	1					
SERVO	-						
Barah adirah	Toolless	-					
Reach adjust	Tool	1					
Free stro	Free stroke adjust						
	Clamp band	1					
Compatible shifter	I-SPEC B	-					
Compatible shifter mount	I-SPEC II	-					
	I-SPEC EV	-					
Clamp band	Open clamp	-					
Shifter rotation angle EV;	e adjust range (I-SPEC deg.)	-					
Recommended	d brake caliper	BR-MT200 BR-UR300					
0	il	SHIMANO mineral					
Funnel b	oleeding	1					
Clamp scrove	Material	Steel					
Clamp screw	Finish	Plated					
Brake lever	Material	Steel					
DI AKE IEVE	Finish	Painted					
Master sulinder	Material	Aluminum					
Master cylinder	Finish	Painted					
Average v	veight (g)	-					
No	ote	-					

SL

SLMT

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DD

RR

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SMCD

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BB

ELI.

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CI-DECK

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Brake Lever

Sei	ries	DXR				
Mode	el no.	BL-MX70				
	1	Series color				
Color	2	-				
	3	-				
	V-BRAKE	1				
	Mechanical disc brake (MTB)	1				
	Mechanical disc brake (Road)	-				
Compatible brake type	Caliper (NEW SUPER SLR)	-				
	Caliper (SUPER SLR)	-				
	Cantilever brake	-				
	Roller brake	-				
Recommended	V-BRAKE	-				
Recommended POWER MODULATOR	Mechanical disc brake (MTB)	-				
	Open clamp band	-				
Clamp band	I-SPEC	-				
	Diameter (mm)	-				
Internal bu	ımper stop	-				
Lever siz	e (finger)	2				
Brake ca	ble type	T-type				
Power a	adjuster	-				
SERVO	WAVE	-				
Reach	adjust	✓				
Cable	adjust	✓				
Cable ad	just type	One hand				
Brake lever	Material	Aluminum				
DI ake lever	Finish	Anodized				
Brake bracket	Material	Aluminum				
ьтаке ргаскет	Finish	Painted				
Stainless cl	amp screw	✓				
Average v	weight (g)	175 (/pair)				
No	Note					

SL

SLMT

SMSL

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BR

BR

SMCD

SMCR

ВВ

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WH

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SW

RD

FD

SMAD

CI-DECK

Rear Derailleur

Sei	ries		XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT
Mode			RD-M9100-GS	RD-M9100-SGS	RD-M9120-SGS	RD-M8100-GS	RD-M8100-SGS	RD-M8120-SGS
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	:	2	-	-	-	-	-	-
Rear speeds			12	12	12 (front double)	12	12	12 (front double)
Compati	ble chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
	SHIMANO	SHADOW	-	-	-	-	-	-
RD construction	SHIMANO	SHADOW D+	1	1	1	1	✓	✓
	Double	e servo	-	-	-	-	-	-
	SHIMAN O MTB type	Direct attachm ent (convent ional)	1	•	✓	1	•	✓
		Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH st	andard	✓	1	1	1	✓	✓
		ROAD type	-	-	-	-	-	-
	Riveted adapter	вмх-	_	-	_	-	-	-
Mode o	onverter	track type	_	-	-	-	-	-
	djuster		-	-	-	-	-	-
Max. front			0T	0T	10T	OT	0T	10T
Total c			35T	41T	41T	35T	41T	45T
	М	ax.	45T	51T	45T	45T	51T	45T
Low sprocket	Min.		45T	51T	45T	45T	51T	45T
Ton sprosket	Max.		10T	10T	10T	10T	10T	10T
Top sprocket	М	in.	10T	10T	10T	10T	10T	10T
Fluoric coated	link bushir	ngs	8	8	8	4	7	7
	Guide bea	pulley ring	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
	Tensior bea	n pulley ring	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
Pulley	Teeth		13T	13T	13T	13T	13T	13T
	Screws material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken ty scr	/pe pulley ew	✓	1	✓	1	✓	✓
Bracket	Material		-	-	-	-	-	-
	Finish		-	-	-	-	-	-
		w axle	✓	1	1	1	✓	✓
B-axle		erial	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel
		ish waylo	Anodized	Anodized	Anodized	-	-	-
B-axle 2		w axle erial	-	-	-	-	-	-
D-GAIC Z		ish	-	-	-	-	-	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body		ish	Anodized	Anodized	Anodized	Painted	Painted	Painted
		erial	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Fin	ish	-	-	-	-	-	-
Plate body	Mat	erial	CFRP	CFRP	CFRP	GFRP	GFRP	GFRP
rate body		ish	Painted	Painted	Painted	-	-	-
Outer link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
· · · · · · · · · · · · · · · ·		ish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Inner link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Outer plate		erial iish	Carbon Painted	Carbon Painted	Carbon Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner plate		ish	Anodized	Anodized	Anodized	Painted	Painted	Painted
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		ish	Black	Black	Black	-	-	-
			Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
Stroke adjusting Material		Anodized	Anodized	Anodized	Plated	Plated	Plated	
Stroke adjusting screw	Fin	Average weight (g)		,ou.zcu				
		iish	237	240	241	286	284	287

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Rear Derailleur

Ser	ries		SLX	SLX	DEORE	DEORE XT	DEORE XT	DEORE
Mode			RD-M7100-SGS	RD-M7120-SGS	RD-M6100-SGS	RD-M8130-SGS	RD-M8000-SGS	RD-M5100-SGS
Color		1	Series color	Series color				
Coloi	:	2	-	-	-	-	-	-
Rear s	peeds		12	12 (front double)	12	11	11	11
Compatil	ble chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
	SHIMANO	SHADOW D	-	-	-	-	-	-
RD construction	SHIMANO	SHADOW	1	1	1	1	1	1
		D+ e servo	-	-	-	-	-	<u> </u>
	Double	Direct						
	SHIMAN O MTB type	attachm ent (convent ional)	✓	✓	1	1	✓	1
		Direct mount	-	-	-	-	✓	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-	-
ucramear nanger	туре	Direct	-	-	_	_	-	=
	UDH et	mount	/	1	1	1	-	_
	051130	ROAD	-	-	_	_	-	-
	Riveted	type	-	-	-		-	-
	adapter	BMX- track type	-	-	-	-	-	-
Mode co			-	-	-	-	-	-
Cable a			- OT	-	-	-	-	-
Max. front Total ca			0T 41T	10T 45T	0T 41T	0T 39T	18T 47T	0T 40T
lotal Ca	арасіту		411	451	411	391		401
Low sprocket	M	ax.	51T	45T	51T	50T	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	51T
		in.	51T	45T	51T	50T	40T	51T
Top sprocket	Max.		10T	10T	10T	11T	11T	11T
Eluaris saatad	Min.		10T 7	10T 7	10T 7	11T	11T 4	11T 7
Fluoric coated	oric coated link bushings Guide pulley bearing							
			-	-	-	Sealed Bearing	Sealed Bearing	-
	Tensior bea	n pulley ring	-	-	-	Sealed bearing	Sealed bearing	-
Pulley	Teeth		13T	13T	13T	13T	11T	13T
	Screws material		Stainless steel	Stainless steel				
	Sunken type pulley screw		✓	✓	✓	✓	✓	✓
Bracket	Mat	erial	-	-	-	-	Aluminum	-
Diacket	Fin	ish	-	-	-	-	Painted	-
		w axle	√	√	1	1	√	√
B-axle		erial	Stainless steel	Stainless steel				
		w axle	-	-	-	-	-	-
B-axle 2		erial	-	-	-	-	Stainless steel	<u> </u>
		ish	-	-	-	-	-	-
Bracket body	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
bracket body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish	-	-	- CERR	- CERR	- CERR	-
Plate body		erial iish	GFRP -	GFRP -	GFRP -	GFRP -	GFRP -	GFRP -
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link		ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link		ish	Painted	Painted	Painted	Painted	Painted	Painted
Outer plate		erial	Steel	Aluminum	Steel	Aluminum	Aluminum	Steel
- Cata. place		ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner plate		erial	Aluminum	Steel	Steel	Aluminum	Aluminum	Steel
-		ish	Painted Stainless staal	Painted Stainless staal	Painted Stainless staal	Painted Stainless steel	Painted Stainless staal	Painted Stainless steel
Cable fixing screw		erial iish	Stainless steel -	Stainless steel -	Stainless steel -	Stainless steel	Stainless steel -	Stainless steel -
Stroke adjusting		erial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw			Plated	Plated	Plated	Plated	Plated	Plated
FIRISII		313	307	-	308	275	-	
Average weight (g)								
No			w/Bumper on pully cage			w/Bumper on pully cage	* w/o Bracket spec. available	

SL

SLMT

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SMCD

SMCR

ВВ

НВ

FH

WH

SC

SW

RD

FD

SMAD

CI-DECK

Rear Derailleur

Ser	ies		DEORE	DEORE	SAINT	SLX	SLX	SLX
Mode			RD-M5120-SGS	RD-M4120-SGS	RD-M820-SS	RD-M7000-10-SGS	RD-M670-GS	RD-M670-SGS
Color		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	7	2	-	-	-	-	-	-
Rear s	peeds		11/10	11/10	10	10	10	10
Compatil	ble chain		HG-X11 11-speed HG-X 10-speed	HG-X11 11-speed HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
	SHIMANO	SHADOW D	-	✓	-	-	✓	✓
RD construction	SHIMANO	SHADOW	1	-	1	1	-	-
	Double servo		-	-	-	-	-	-
	SHIMAN O MTB	Direct attachm ent (convent		√	1	1	1	1
	type	Direct	1		1	1	1	1
Annlicable	SHIMAN	Direct attachm ent (convent	-	- -	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	(convent ional) Direct						
	UDH st	mount	-	-	-	-	-	-
		ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track	-	-	-	-	-	-
Mode co	onverter	type	-	-	1	-	-	-
Cable a			-	<u> </u>	-	-	-	<u> </u>
Max. front	•		10T	10T	Single	22T	18T	22T
Total ca	apacity		41T	41T	25T	43T	35T	43T
Low sprocket	Ма	ax.	46T (1x11/ 1x10-speed), 42T (2x11/2x10-speed)	42T	28Т, 36Т	36T	36T	36T
•	Min.		42T	42T	23T	32T	32T	32T
Top sprocket	Max. Min.		11T	11T	12T	11T	11T	11T
			11T	11T	11T	11T	11T	11T
Fluoric coated		•	4	3	5	2	3	3
	Guide bea	pulley ring	-	-	-	-	-	-
	Tensior bea	n pulley ring	-	-	Sealed bearing	-	-	-
Pulley	Tee		11T	11T	11T	11T	11T	11T
	Screws	material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw		✓	✓	1	1	1	1
Bracket	Mat	erial	Steel	Steel	Aluminum	Steel	Steel	Steel
Biacket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Hollov		√	/	√	1	1	√
B-axle	Mat Fin		Stainless steel	Stainless steel	Aluminum	Stainless steel	Stainless steel	Stainless steel
	Hollov		- ·		Anodized ✓	1	-	<u>-</u>
B-axle 2	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Fin		-	-	-	-	-	-
Bracket body	Mat Fin		Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
	Mat		Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Fin	ish	-	Zinc plated	-	-	-	-
Plate body	Mat		Resin	Resin	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		- 01	Painted	Painted	Painted	Painted	Painted
Outer link	Mat Fin		Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
Ing U!	Mat		Resin	Resin	Aluminum	Steel	Steel	Steel
Inner link	Fin	ish	-	Painted	Painted	Painted	Painted	Painted
Outer plate	Mat		Steel	Steel	Aluminum	Steel	Steel	Steel
	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Inner plate	Mat		Steel Painted	Steel Painted	Aluminum Painted	Aluminum	Aluminum Painted	Aluminum
	Fin Mat		Stainless steel	Stainless steel	Stainless steel	Painted Stainless steel	Stainless steel	Painted Stainless steel
Cable fixing screw	Fin		-	-	Black	-	-	-
Stroke adjusting	Mat		Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fin	ish	Plated	Plated	Plated	Plated	Plated	Plated
Average v	veight (g)		-	-	280 (w/o mode converter)	313	278	281
Note				* w/o Bracket spec. available				

Rear Derailleur

Seri	ies		DEORE	DEORE	DEORE	DEORE	DEORE
Mode	el no.		RD-M6000-GS	RD-M6000-SGS	RD-M5130-GS	RD-M610-GS	RD-M610-SGS
Color		1	Series black	Series black	Series color	Black	Black
Color	:	2	-	-	i	Silver	Silver
Rear s _l	peeds		10	10	10	10	10
Compatib	ole chain		HG-X 10-speed	HG-X 10-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed
	SHIMANO	SHADOW D	-	-	-	✓	✓
RD construction	SHIMANO RI	SHADOW D+	✓	1	1	-	-
	Double	e servo	-	-	-	-	-
	SHIMAN O MTB type	Direct attachm ent (convent ional)	✓	1	1	1	✓
		Direct mount	✓	1	-	1	✓
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-
	,,	Direct mount	-	-	-	-	-
Ī	UDH st	andard	-	-	1	-	-
Ī		ROAD type	-	-	-	-	-
	Riveted adapter	BMX- track	-	-	-	-	-
Mode co	nverter	type	-	-	-	-	-
Cable a			-	-	-	-	-
Max. front	•		10T	22T	0T	18T	22T
Total ca			41T	43T	32T	35T	43T
	Max.		42T	36T	43T	36T	36T
Low sprocket	Min.		42T	32T	43T	32T	32T
		ax.	11T	11T	11T	11T	11T
Top sprocket		in.	11T	11T	11T	11T	11T
Fluoric coated			4	3	7	3	3
		pulley ring	-	-	Bush	-	-
		n pulley ring	-	-	Bush	-	-
Pulley		eth	11T	11T	13T	11T	11T
ŀ		material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		pe pulley	✓	✓	√	✓	✓
		erial	Steel	Steel	-	Steel	Steel
Bracket		nish	Painted	Painted	-	Painted	Painted
		w axle	√	√ .	-	√ .	√ v
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
2 unic		nish	-	-	-	-	-
		w axle	1	1	-	1	1
B-axle 2		erial	Stainless steel	Stainless steel	-	Stainless steel	Stainless steel
· · · · ·		nish	-	-	-	-	-
_		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body		ish	Painted	Painted	Painted	Painted	Painted
_		erial	Steel	Steel	Steel	Steel	Steel
P-axle		ish	Painted	-	-	-	-
		erial	GFRP	Aluminum	GFRP	Aluminum	Aluminum
Plate body		ish	-	Painted	-	Painted	Painted
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link		ish	Painted	Painted	Painted	Painted	Painted
		erial	Aluminum	Steel	Aluminum	Steel	Steel
Inner link		ish	Painted	Painted	Painted	Painted	Painted
		erial	Steel	Steel	Steel	Steel	Steel
Outer plate		ish	Painted	Painted	Painted	Painted	Painted
		erial	Steel	Steel	Steel	Steel	Steel
Inner plate		nish	Painted	Painted	Painted	Painted	Painted
		erial	Steel	Steel	Stainless steel	Steel	Steel
Cable fixing screw		nish	Plated	Plated	-	Plated	Plated
			Steel	Steel	Steel	Steel	Steel
Stroke adjusting Material Finish			Plated	Plated	Plated	Plated	
Stroke adjusting screw	Fin	iish	Plated	riateu	i lateu	Tiateu	Tiutcu
Stroke adjusting screw Average w		ish	Plated -	-	-	-	-

ИΤВ

Front Derailleur

·	1		FD-M9100-D	FD-M9100-E	FD-M9100-M	FD-M8100-D	FD-M8100-E	FD-M8100-M
Front sp Rear sp	2		Carias salar					15 1110 100-1VI
Front sp Rear sp			Series color	Series color	Series color	Series color	Series color	Series color
Rear sp	peeds	!	-	-	-	=	-	-
	Front speeds		2	2	2	2	2	2
Compatib	Rear speeds		12	12	12	12	12	12
	le chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	-	-	-	-	-	-
	SIDE S	WING	✓	✓	✓	✓	✓	1
		28.6	-	-	_ *	-	-	_ *
	Clamp band (mm)	31.8	-	-	√ (w/ M size adapter)	-	-	√ (w/ M size adapter)
	(34.9	-	-	1	-	-	1
Mount	F.4	With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	1	-
	Direct		1	-	-	1	-	-
	Dual	-pull	-	-	-	-	-	-
Cable vents to	Top-pull	exclusive	-	-	-	=	-	-
Cable route type	Down-pull	exclusive	-	-	-	-	-	-
	Front	-pull	✓	1	1	✓	✓	1
Chain lin	Chain line (mm)		48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)
Chainstay ar	Chainstay angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gear	Top gear teeth		38T	38T	38T	36-38T	36-38T	36-38T
	Total capacity		10T	10T	10T	10T	10T	10T
Applicable top-mid			-	-	-	-	-	-
Multi access cab			-	-	-	-	-	-
Angled stroke			✓	1	1	✓	1	1
Angled clamp		jn	-	-	-	-	-	√
Link bus	snings Mate	arial .	-	6	6	6	-	6 Aluminum
Front clamp band	Fin		-	-	Aluminum	-	-	Aluminum
	Mate		Aluminum	Aluminum	Painted Aluminum	Aluminum	Aluminum	Painted Aluminum
Rear clamp band, base bracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mate			- rainteu	Stainless steel	- railiteu	- rainteu	Stainless steel
Clamp screw	Fin				-		-	-
Dattam burdust	Mate		-	-	-	-	-	-
Bottom bracket plate	Fin		-	-	-	-	-	-
	Mate		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mate		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain auda	Mate	erial	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
Chain guide	Fin	ish	Plated	Plated	Plated	Plated	Plated	Plated
Cable fixing screw	Mate	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable lixing sciew	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw	Mate		Steel	Steel	Steel	Steel	Steel	Steel
	Fin		Black	Black	Black	Black	Black	Black
Average weight (g) direct type	(band type w/ screw)	: L size,	110	88	99	135	106	114
Not			-	-	* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible			* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible

SL SLMT

SMSL

BL

RD

FD

ВК

BR

SMCD

SMCR

BB

НВ

FH

CI-DECK

SC

SW

RD

SMAD

FD

SC.

Front Derailleur

Ser	ries		SLX	SLX	SLX	SLX	SLX	SLX
Mode	el no.		FD-M7100-D	FD-M7100-E	FD-M7100-M	FD-M7025-11-D	FD-M7025-11-H	FD-M7025-11-L
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Front	speeds		2	2	2	2	2	2
	Rear speeds		12	12	12	11	11	11
Compatil	Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG
Compani				,	·	11-speed	11-speed	11-speed
	TOP SWING		-	-	-	-	-	√
Action	-	swing	-	-	-	✓	1	-
	SIDE S	WING	✓	✓	1	-	-	-
	Clama	28.6	-	-	_ *	-	_ *	_ *
	Clamp band (mm)	31.8	-	-	√ (w/ M size adapter)	-	√ (w/ M size adapter)	✓ (w/ M size adapter)
	(,,,,,,	34.9	-	-	1	-	1	1
Mount		With bottom bracket	-	-	1	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	-	-
	Direct	mount	1	_	_		_	_
		l-pull	<u> </u>	-	-	<u> </u>	-	-
		•	-	-	-	-	-	-
Cable route type	<u> </u>	exclusive	-	-	-	-	-	
	<u> </u>	l exclusive	-	-	-	-	-	-
Chain lii		t-pull	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8 (142 mm O.L.D.), 51.8 (148 mm O.L.D.)	48.8	48.8	48.8
Chainstay a			66-69	66-69	66-69	66-69	66-69	66-69
Top gea			36-38T	36-38T	36-38T	34-38T	34-38T	34-38T
	Total capacity		10T	10T	10T	10T	10T	10T
Applicable top-mi			-	-	-	-	-	-
Multi access cal			-	-	-	-	-	-
Angled stroke			1	1	1	1	1	1
Angled clamp		yıı	-	-	<i>J</i>	-	<i>,</i>	/
Link bu		orial	6	-	6	6	6	6
Front clamp band		erial	-		Aluminum	-	Aluminum	Aluminum
		nish	- Aluminum	- Aluminum	Painted	- Aluminum	Painted	Painted
Rear clamp band, base bracket		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		nish	Painted	Painted	Painted Stainless staal	Painted	Painted Stainless steel	Painted Stainless steel
Clamp screw		erial	-	-	Stainless steel	-	Stainless steel	Stainless steel
		erial	-	-	-	-	-	-
Bottom bracket plate			-		-		-	-
F		nish	Alum:	- Aluminum	Alumin	- Aluminum	Alum in	Δ1m=:
Outer link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		nish Porial	Painted	Painted	Painted	Painted	Painted	Painted
Inner link		erial nish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		ish	Plated	Plated	Plated	Plated	Plated	Plated
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		ish		-		-	-	
		erial	Steel	Steel	Steel	Stainless steel	Stainless steel	Stainless steel
Stroke adjusting screw		ish	Black	Black	Black	Stanness steer	Stanness steer	stanness steel
						<u> </u>	-	-
Average weight (g) direct type	w/ screw)	e. L SIZE,	135	106	* S-size adapter is	140	152	133
Note					* S-size adapter is available in OTC package only Chain line 48.8 mm, 51.8 mm compatible		* S-size adapter is available in OTC package only.	* S-size adapter is available in OTC package only.

ИТВ

Front Derailleur

Ser	ies		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.		FD-M785	FD-M785-E2	FD-M786	FD-M786-D	FD-M770	FD-M770-E	
		1	Black	Black	Black	Black	Series color	Series color
Color		2	-	-	Silver	Silver	-	-
Front s	peeds		2	2	2	2	3	3
	Rear speeds		10	10	10	10	9	9
Compatil			HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
		WING	1	1	-	-	1	1
		swing	-	-	1	1	-	-
	SIDE S		-	-	-	-	-	-
		28.6	✓ (w/ S size adapter)	-	√ (w/ S size adapter)	-	√ (w/ S size adapter)	-
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)	-
		34.9	1	-	1	-	1	-
Mount		With bottom bracket plate	-	-	-	-	-	1
	E-type	Without bottom bracket plate	-	1	-	-	-	1
	Direct	mount	-	-	-	✓	-	-
	Dual	l-pull	✓	1	1	✓	1	✓
Cable route type	Top-pull	exclusive	-	-	1	✓	-	-
Cable Toute type	Down-pul	l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	-
Chain lir	ne (mm)		48.8	48.8	48.8	48.8	50	50
Chainstay a	ngle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r teeth		38-44T	38-44T	38-44T	38-44T	44T, 48T	44T
Total ca	apacity		14T	14T	14T	14T	22T	22T
Applicable top-mic	d tooth diff	erence	-	-	-	-	12T	12T
Multi access cal	ole fixing so	rew	✓	✓	-	-	-	-
Angled stroke	adjust scre	ew	✓	✓	1	✓	1	✓
Angled clamp	band design	gn	✓	-	✓	-	✓	-
Link bu	shings		2	2	8	8	2	2
Front clamp band	Mat	erial	Aluminum	-	Aluminum	-	Aluminum	-
Tront clamp band	Fin	ish	Painted	-	Painted	-	Painted	-
Rear clamp band, base bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
pase pracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat		Stainless steel	-	Stainless steel	-	Stainless steel	-
	Fin		-	-	-	-	-	-
Bottom bracket plate		erial	-	-	-	-	-	Aluminum
piate	Fin		-		-	-	-	Painted
Outer link	Mat		Steel	Steel	Aluminum	Aluminum	Steel	Steel
	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Inner link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Chain guide		erial	Steel	Steel	Steel	Steel	Steel	Steel
-		ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
-		ish	- Challed a 1	Challed a 1	- Chairle i	Challed a d	Chairle to I	Challeles 1
Stroke adjusting screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Average weight (g) direct type		ish e: L size,	136	127	155	- 146	152	166
direct type	w/ screw)			.2,	.55	. 10		
No	te		* Outer casing stopper integrated design.				* Outer casing stopper integrated design.	

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Front Derailleur

Ser	ies		DEORE XT	DEORE XT	DEORE XT	SLX	SLX	DEORE
Mode			FD-M771	FD-M771-D	FD-M772A	FD-M660	FD-M661	FD-M6000-H
		1	Series color	Series color	Series color	Series color	Series color	Series black
Color		2	-	-	-	-	-	-
Front	peeds		3	3	3	3	3	3
Rear s	peeds		9	9	9	9	9	10
Compati	ble chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X 10-speed
	TOP S	WING	-	-	1	1	-	-
Action	Down	swing	1	1	-	-	1	-
	SIDE S	WING	-	-	-	-	-	1
		28.6	✓ (w/ S size adapter)	-	√ (w/ S size adapter)	√ (w/ S size adapter)	√ (w/ S size adapter)	√ (w/ S size adapter)
	Clamp band (mm)	31.8	√ (w/ M size adapter)	-	√ (w/ M size adapter)	√ (w/ M size adapter)	√ (w/ M size adapter)	√ (w/ M size adapter)
	()	34.9	1	-	1	1	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without pottom bracket plate	-	-	-	-	-	-
	Direct	mount	-	1	-	-	-	-
	Dua	l-pull	1	✓	✓ (w/ M size adapter)	1	1	-
Cable route type	Top-pull	exclusive	-	-	1	-	-	-
	Down-pul	l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	1
Chain li	ne (mm)		50	50	50	50	50	50
Chainstay a	ngle (deg.))	66-69	66-69	63-66	66-69	66-69	66-69
Top gea	r teeth		44T	44T	44T, 48T	44T	44T	40-42T
Total ca	apacity		22T	22T	22T	22T	22T	18T
Applicable top-mi	d tooth diff	ference	12T	12T	12T	12T	12T	10T
Multi access cal	ole fixing so	crew	-	-	-	-	-	-
Angled stroke	adjust scr	ew	✓	✓	-	1	✓	✓
Angled clamp	band desi	gn	✓	-	✓	√	✓	✓
Link bu	ıshings		8	8	2	2	8	4
Front clamp band	Mat	erial	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
	Fin	ish	Painted	-	Painted	Painted	Painted	Painted
Rear clamp band, base bracket		erial	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
מסב מומנגפנ		ish	Painted	-	Painted	Painted	Painted	Painted
Clamp screw		erial	Stainless steel	-	Stainless steel	Stainless steel	Stainless steel	Stainless steel
-		ish · ·	-	-	-	-	-	-
Bottom bracket plate		erial	-	-	-	-	-	-
p.acc		nish	-		- Charl	-	-	- CERRICE -
Outer link		erial	Aluminum	Aluminum	Steel	Steel	Aluminum	GFRP+Steel
		nish Tarial	Painted	Painted	Painted	Painted	Painted	Alumin
Inner link		erial nish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Plated
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		ish	-	-	-	-	-	-
Camples of P. C.		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel
Stroke adjusting screw		ish	-	-	-	-	-	Black
Average weight (g) direct type	(band type w/ screw)	e: L size,	155	147	160	155	158	-
No	ote					* Outer casing stopper integrated design.		

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Front Derailleur

Ser	Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		FD-M6000-M	FD-M6000-L	FD-M6000-D	FD-M6000-E	FD-M6025-H	FD-M6025-L	
	1	1	Series black	Series black	Series black	Series black	Series black	Series black
Color	2		-	-	-	-	-	-
Front s	Front speeds		3	3	3	3	2	2
Rear s	peeds		10	10	10	10	10	10
Compatil	ole chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
	TOP S	WING	-	-	-	-	-	✓
Action	Down	swing	-	-	-	-	1	-
	SIDE S	WING	✓	✓	✓	✓	-	-
	~ 1	28.6	√ (w/ S size adapter)	√ (w/ S size adapter)	-	-	√ (w/ S size adapter)	√ (w/ S size adapter)
	Clamp band (mm)	31.8	√ (w/ M size adapter)	√ (w/ M size adapter)	-	-	√ (w/ M size adapter)	√ (w/ M size adapter)
		34.9	√	✓	-	-	✓	~
Mount	E-type	With bottom bracket plate	-	-	-	-	-	-
	- -туре	Without bottom bracket plate	-	-	-	1	-	-
	Direct	mount	-	-	✓	-	-	-
	Dual	l-pull	-	-	-	-	1	-
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Cable foute type	Down-pul	l exclusive	-	-	-	-	-	✓
	Front	t-pull	✓	1	✓	✓	-	-
Chain lir	ne (mm)		50	50	50	50	48.8	48.8
Chainstay a	ngle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r teeth		40-42T	40-42T	40-42T	40-42T	34-38T	34-38T
Total ca	pacity		18T	18T	18T	18T	10T	10T
Applicable top-mid	d tooth diff	erence	10T	10T	10T	10T	-	-
Multi access cal	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	✓	1	✓	1	1	1
Angled clamp	band design	gn	✓	1	-	-	1	1
Link bu			4	4	4	4	8	2
Front clamp band	Mat		Aluminum	Aluminum	-	-	Aluminum	Aluminum
-	Fin		Painted	Painted	-	-	Painted	Painted
Rear clamp band, base bracket	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Dusc Drucket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat		Stainless steel	Stainless steel	-	-	Stainless steel	Stainless steel
	Fin Mat		-	-	-	-	-	-
Bottom bracket plate	Fin		-	-		-	-	-
	Mat		GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	Aluminum	Steel
Outer link	Fin		-	-	-	-	Painted	Painted
In 17 1	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain auida	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Chain guide Finish		Plated	Plated	Plated	Plated	Plated	Plated
Cable fixing screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cubic fixing sciew	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw		erial	Steel	Steel	Steel	Steel	Stainless steel	Stainless steel
		ish	Black	Black	Black	Black	-	-
Average weight (g) direct type		e: L size,	-	-	-	-	-	-
No	te							

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Front Derailleur

Sei	ries		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	Model no.		FD-M6025-D	FD-M5100-D	FD-M5100-E	FD-M5100-M	FD-M4100-D	FD-M4100-E
		1	Series black	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Front	speeds		2	2	2	2	2	2
Rear s	Rear speeds		10	11	11	11	10	10
Compati	ble chain		HG-X 10-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed
	TOP SWING Action Down swing		-	-	-	-	-	-
Action			✓	-	-	-	-	-
	SIDE SWING		-	✓	1	1	✓	✓
		28.6	-	-	-	- *	-	-
	Clamp band (mm)	31.8	-	-	-	✓ (w/ M size adapter)	-	-
		34.9	-	-	-	1	-	-
Mount	E-type	With bottom bracket plate	-	-	-	-	-	-
	<u>г-туре</u>	Without bottom bracket plate	-	-	1	-	-	•
	Direct	mount	✓	✓	-	-	✓	-
	Dua	l-pull	✓	-	-	-	-	-
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
cable route type	Down-pul	l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	✓	✓	1	✓	✓
Chain li	ne (mm)		48.8/51.8 *	48.8/51.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8/51.8
Chainstay a	angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	ar teeth		34-38T	36T	36T	36T	36T	36T
Total c	apacity		10T	10T	10T	10T	10T	10T
Applicable top-mi	d tooth diff	erence	-	-	-	-	-	-
Multi access cal			-	-	-	-	-	-
Angled stroke			1	✓	1	1	✓	1
Angled clamp		gn	-	-	-	1	-	-
Link bu	ıshings		8	4	4	4	4	4
Front clamp band		erial	-	-	-	Aluminum	-	-
	Fin		-	-	-	Painted	-	-
Rear clamp band, base bracket	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted -	Painted	Painted -	Painted -
Clamp screw	Mat	ish	Stainless steel	-	-	Stainless steel	-	-
		erial	-	-	-	-	-	-
Bottom bracket plate		ish	-	<u> </u>	-	-	<u> </u>	-
	Mat		Aluminum	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel
Outer link		ish	Painted	-	-	-	-	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link		ish	Painted	Painted	Painted	Painted	Painted	Painted
el		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Plated	Plated	Plated	Plated	Plated	Plated
Cabla finite to the	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
screw	Fin	ish	-	Black	Black	Black	Black	Black
Average weight (g direct type	(band type w/screw)	e: L size,	-	-	-	-	-	-
	ote		* Compatible with the special crankset which chain line is 3 mm outboard.			* S-size adapter is available in OTC package only.		

ИТВ

Front Derailleur

Ser	Series		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Model no.		FD-M4100-M	FD-M617-H	FD-M617-L	FD-M617-D	FD-M617-E	FD-M618-E	
Calan		1	Series color	Black	Black	Black	Black	Black
Color	- 2	2	-	-	-	-	-	-
Front	Front speeds		2	2	2	2	2	2
Rear s	peeds		10	10	10	10	10	10
Compati	ble chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
	TOP S	WING	-	-	-	-	-	✓
Action	Down	swing	-	-	-	-	-	-
	SIDE S	WING	✓	1	1	1	1	-
		28.6	- *	√ (w/ S size adapter)	√ (w/ S size adapter)	-	-	-
	Clamp band (mm)	31.8	√ (w/ M size adapter)	√ (w/ M size adapter)	√ (w/ M size adapter)	-	-	-
		34.9	✓	1	✓	-	-	-
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-	1	1
	Direct	mount	-	-	-	1	-	-
	Dual	-pull	-	-	-	-	-	-
	Top-pull	exclusive	-	-	-	-	-	-
Cable route type	Down-pul	l exclusive	-	-	-	-	-	1
	Fron	t-pull	1	1	1	1	1	-
Chain li	ne (mm)		48.8/51.8	48.8	48.8	48.8	48.8	48.8 *
Chainstay a	ngle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r teeth		36T	36-38T	36-38T	36-38T	36-38T	36-38T
Total ca	apacity		10T	14T	14T	14T	14T	14T
Applicable top-mi	d tooth diff	erence	-	-	-	-	-	-
Multi access cal	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	✓	1	1	1	✓	1
Angled clamp	band design	gn	✓	1	1	-	-	-
Link bu	ıshings		4	4	4	4	4	2
Front closes bond	Mat	erial	Aluminum	Aluminum	Aluminum	-	-	-
Front clamp band	Fin	ish	Painted	Painted	Painted	-	-	-
Rear clamp band, base bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	-	-	Stainless steel
Ciamp sciew	Fin	ish		-	-	-	-	-
Bottom bracket plate	Mat	erial	-	-	-	-	-	-
plate	Fin	ish	-	-	-	-	-	-
Outer link	Mat	erial	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	Steel
L Cutti IIIIK	Fin	ish	•	-	-	-	-	Painted
Inner link	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish	Plated	Pearl bright	Pearl bright	Pearl bright	Pearl bright	Pearl bright
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish	-	-	-	-	-	-
Stroke adjusting screw		erial	Stainless steel	Steel	Steel	Steel	Steel	Stainless steel
		ish	Black	Black	Black	Black	Black	-
Average weight (g) direct type	(band type w/screw)	e: L size,	-	-	-	* Compatible with	* Compatible with	* Compatible with
No	ote		* S-size adapter is available in OTC package only.			* Compatible with the special crankset which chain line is 3 mm outboard.	* Compatible with the special crankset which chain line is 3 mm outboard.	* Compatible with the special crankset which chain line is 3 mm outboard.

SL SLMT

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SMCR BB

CS

FH

WH

CI-DECK

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Front Derailleur

Seri	ies		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode			FD-M610-B	FD-M610-E	FD-M611-B	FD-M611-D	FD-M615-B	FD-M615-E2
Mode		1	Black	Black	Black	Black	Black	Black
Color			-	-	- Black	-	-	-
Front s	peeds		3	3	3	3	2	2
	Rear speeds		10	10	10	10	10	10
Compatil	Compatible chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
	TOP S	WING	1	1	-	-	1	1
Action			-	-	1	✓	-	-
	SIDE S	WING	-	-	-	-	-	-
		28.6	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)	-
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)	-
		34.9	1	-	1	-	1	-
Mount	.	With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	✓	-	-	-	1
	Direct	mount	-	-	-	✓	-	-
	Dual	l-pull	✓	1	1	✓	1	1
Cable resute tune	Top-pull	exclusive	-	-	1	✓	-	-
Cable route type	Down-pul	l exclusive	-	-	-	-	-	-
	Front	t-pull	-	-	-	-	-	-
Chain lin	ne (mm)		50	50	50	50	48.8	48.8
Chainstay a	ngle (deg.)	1	66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r teeth		40-42T	40-42T	40-42T	40-42T	38-44T	38-40T
Total ca	apacity		18T	18T	18T	18T	14T	14T
Applicable top-mic	d tooth diff	erence	10T	10T	10T	10T	-	-
Multi access cab	ole fixing so	rew	✓	✓	-	-	1	✓
Angled stroke	adjust scre	ew	✓	✓	1	✓	✓	✓
Angled clamp	band desig	gn	✓	-	1	-	1	-
Link bu	shings		2	2	8	8	2	2
Front clamp band	Mat	erial	Aluminum	-	Aluminum	-	Aluminum	-
Tronc clamp band	Fin	ish	Painted	-	Painted	-	Painted	-
Rear clamp band, base bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Dase bracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat		Stainless steel	-	Stainless steel	-	Stainless steel	-
		ish	-	-	-	-	-	-
Bottom bracket plate	Mat Fin		-	<u>-</u>	-	<u>-</u>	-	<u>-</u>
-		erial	Steel	Steel	Aluminum	Aluminum	Steel	Steel
Outer link	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link		ish	Painted	Painted	Painted	Painted	Painted	Painted
· · ·	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Pearl bright	Pearl bright	Pearl bright	Pearl bright	Pearl bright	Pearl bright
Cable finite a server	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
screw	Fin	ish	-	-	-	-	-	-
Average weight (g) direct type	(band type w/ screw)	e: L size,	-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw) Note		1						

Front Derailleur

Se	ries		DEORE	DEORE	
Mod	el no.		FD-M616-B	FD-M616-D	
C-l		1	Black	Black	
Color	- :	2	-	-	
Front	Front speeds			2	
Rears	peeds		10	10	
Compati	ble chain		HG-X 10-speed	HG-X 10-speed	
	TOP S	WING	-	-	
Action	Down swing		✓	✓	
	SIDE S	WING	-	-	
		28.6	√ (w/ S size adapter)	-	
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	-	
		34.9	✓	-	
Mount	E-type	With bottom bracket plate	-	-	
	Liype	Without bottom bracket plate	-	-	
	Direct	mount	-	✓	
	Dua	l-pull	✓	✓	
Cable route type	Top-pull	exclusive	✓	✓	
canic route type	Down-pull exclusive		-	-	
	Fron	t-pull	-	-	
	ne (mm)		48.8	48.8	
	angle (deg.))	66-69	66-69	
	ar teeth		38-44T	38-44T	
	apacity		14T	14T	
Applicable top-mi			-	-	
Multi access ca			-	-	
Angled stroke			1	1	
Angled clamp		gn	√	-	
LINK DI	ushings	erial	8 Aluminum	- 8	
Front clamp band		nish	Painted		
	-	erial	Aluminum	Aluminum	
Rear clamp band, base bracket		nish	Painted	Painted	
	-	erial	Stainless steel	- anneu	
Clamp screw		ish	-	-	
Dattam I I		erial	-	-	
Bottom bracket plate		ish	-	-	
		erial	Aluminum	Aluminum	
Outer link		ish	Painted	Painted	
	-	erial	Aluminum	Aluminum	
Inner link	Fin	nish	Painted	Painted	
Chain!d	Mat	erial	Steel	Steel	
Chain guide	Fin	ish	Pearl bright	Pearl bright	
Cable fiving server	Mat	erial	Stainless steel	Stainless steel	
Cable fixing screw	Fin	ish	-	-	
Stroke adjusting	Mat	erial	Stainless steel	Stainless steel	
screw	Fin	ish	-	-	
Average weight (g direct type) (band type w/ screw)	e: L size,	-	-	
	ote				

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CI-DECK

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Brake (Hydraulic Disc Brake)

Sei	ries	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT
Mode	el no.	BR-M9100	BR-M9110	BR-M9120	BR-M820	BR-M8100	BR-M8110
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-SS	SM-BH90-SS	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS
Hose	joint	Straight	Straight	Banjo	Banjo	Banjo	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	White	-	-
J-Kit spec	(for OEM)	✓	✓	1	1	1	✓
ICE TECHNOLOGIES p	ad compatible caliper	-	✓	1	1	1	✓
	Standard 1	K05Ti-RX Resin (w/o fin)	K05Ti-RX Resin (w/o fin)	N03A-RF Resin (w/ fin)	H03A-RF Resin (w/ fin)	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
Pad	Standard 2	K04Ti-MX Metal (w/ o fin)	K04Ti-MX Metal (w/ o fin)	N04C-MF Metal (w/ fin)	H03C-MF Metal (w/ fin)	G04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)
	Option 1	-	-	-	-	J05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 2	-	-	-	-	J04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
	10 mm mount	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-
Fixing screw spec	20 mm mount	-	1	-	-	-	1
for rear mount	25 mm mount	-	1	-	-	-	1
	30 mm mount	-	1	-	-	-	1
	35 mm mount	-	-	-	-	-	-
Recommende	d brake lever	BL-M9100	BL-M9100	BL-M9120	BL-M820	BL-M8100 BL-T8100	BL-M8100
Recommended	disc brake rotor	RT-MT900	RT-MT900	RT-MT900	SM-RT99, SM-RT86	RT-MT800	RT-MT800
	140 mm (SS)	1	1	1	1	1	1
	160 mm (S)	✓	✓	1	1	1	1
Compatible rotor size	180 mm (M)	✓	-	1	1	1	1
	203 mm (L)	-	-	1	1	1	-
	220 mm (LL)	-	-	1	1	1	-
C	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	✓	✓	-	1	1	✓
Moun	t type	Post type	Flat mount	Post type	Post type	Post type	Flat mount
Pis	ton	2	2	4	4	2	2
Piston r	naterial	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
	MONO-BODY	1	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Material	Ti	Steel	Ti	Steel	Steel	Steel
Caliper fixing screw	Tool size	** 4 mm	4 mm	** 4 mm	5 mm	5 mm	4 mm
Anti loosen method		Wiring	Screw fix pin+Snap ring	Wiring	Snap ring	Snap ring	Screw fix pin+Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v	3 13,	92	108	131	153	121	126
Average weight (g) (w/ pad (Standard 1 scre	kit for front 800 mm,), w/o adapter, w/ 2 ws)	193	203	262	303	269	260
No	ote	** Titanium	For rear only. 140 mm disc brake rotor direct mount	** Titanium			For rear only.

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CI-DECK

Brake (Hydraulic Disc Brake)

Mode	el no.						SLX
	Model no.		BR-M8000	BR-M8020	BR-M7100	BR-M7110	BR-M7120
1		Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-SBM	SM-BH90-SB	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM
Hose joint		Banjo	Banjo	Banjo	Banjo	Straight	Banjo
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	✓	-	✓	✓	✓	✓
ICE TECHNOLOGIES p	ad compatible caliper	✓	✓	✓	✓	✓	✓
	Standard 1	N03A-RF Resin (w/ fin)	G05A-RX Resin (w/o fin)	H03A-RF Resin (w/ fin)	G05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)
Pad	Standard 2	N04C-MF Metal (w/ fin)	J05A-RF Resin (w/ fin)	-	G04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	N03A-RF Resin (w/ fin)
	Option 1	D03S-RX Resin (w/o fin)	G04S-MX Metal (w/o fin)	D03S-RX Resin (w/o fin)	J05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	D02S-MX Metal (w/o fin)
	Option 2	D02S-MX Metal (w/o fin)	J04C-MF Metal (w/ fin)	H03C-MF Metal (w/ fin)	J04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	N04C-MF Metal (w/ fin)
	10 mm mount	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-
Fixing screw spec for rear mount	20 mm mount	-	-	-	-	✓	-
tor rear mount	25 mm mount	-	-	-	-	✓	-
	30 mm mount	-	-	-	-	1	-
	35 mm mount	-	-	-	-	-	-
Recommende	d brake lever	BL-M8100 BL-T8100	BL-M8000 BL-T8000	BL-M8000	BL-M7100	BL-M7100	BL-M7100
Recommended	disc brake rotor	RT-MT800	RT-MT800, SM-RT86	RT-MT800, SM-RT99, RT-EM810, RT-EM910	SM-RT70	SM-RT70	SM-RT70
	140 mm (SS)	✓	✓	1	✓	✓	✓
	160 mm (S)	✓	1	✓	1	✓	✓
Compatible rotor size	180 mm (M)	1	1	1	1	1	1
	203 mm (L)	✓	1	✓	✓	-	✓
	220 mm (LL)	✓	✓	✓	✓	-	✓
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	-	1	✓	✓	✓	-
Moun	t type	Post type	Post type	Post type	Post type	Flat mount	Post type
Pist	ton	4	2	4	2	2	4
Piston n	naterial	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
	MONO-BODY	-	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	5 mm	5 mm	5 mm	5 mm	4 mm	5 mm
Anti loosen method		Snap ring	Snap ring	Snap ring	Snap ring	Screw fix pin+Snap ring	Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v		141	118	153	121	125	142
Average weight (g) (w/ pad (Standard 1) scre	kit for front 800 mm, , w/o adapter, w/ 2 ws)	289	266	303	271	262	293
No	te					For rear only.	

SMAD

Brake (Hydraulic Disc Brake)

Series		DEORE	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-M6100	BR-M6120	BR-M6000	BR-MT520	BR-MT500	BR-MT420
	1	Series color	Series color	Series black	Black	Black	Black
Color	2	Black (SHIMANO logo) ***	Black (SHIMANO logo) ***	Series silver *	-	-	-
	3		-	Black (SHIMANO logo) ***	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-SS	SM-BH90-SS	SM-BH90-SS	SM-BH90-SS	SM-BH59-JK-SS	SM-BH90-SS
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(Kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	✓	1	1	1	1	1
ICE TECHNOLOGIES p	ad compatible caliper	✓	-	1	-	-	-
	Standard 1	G05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	G05A-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)
Pad	Standard 2	J05A-RF Resin (w/ fin)	-	J05A-RF Resin (w/ fin)	D02S-MX Metal (w/o fin)	-	D02S-MX Metal (w/o fin)
	Option 1	G04S-MX Metal (w/o fin)	D02S-MX Metal (w/o fin)	G04S-MX Metal (w/o fin)	-	-	-
	Option 2	-	-	-	-	-	-
	10 mm mount	-	-	-	-	-	-
	15 mm mount	-	-	-	-	-	-
Fixing screw spec for rear mount	20 mm mount	-	-	-	-	-	-
Tor rear mount	25 mm mount	-	-	-	-	-	-
	30 mm mount	-	-	-	-	-	-
	35 mm mount	-	-	-	-	-	-
Recommende	d brake lever	BL-M6100	BL-M6100	BL-M6100 BL-MT501 BL-T6000	BL-MT501	BL-MT500	BL-MT401, BL- MT402-3A
Recommended	disc brake rotor	SM-RT54 *, SM-RT56 *, SM-RT64, SM- RT66	SM-RT54 *, SM-RT56 *, SM-RT64, SM- RT66	SM-RT54 ****, SM- RT56 ****, SM-RT64, SM-RT66	SM-RT70	SM-RT54 *, SM-RT56	SM-RT30 *, SM-RT54 *, SM-RT56 *, SM- RT64
	140 mm (SS)	✓	1	1	1	-	✓
	160 mm (S)	✓	1	1	1	1	✓
Compatible rotor size	180 mm (M)	1	1	1	1	1	1
	203 mm (L)	✓	1	1	1	-	1
	220 mm (LL)	✓	1	-	1	-	1
O	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	✓	1	1	✓	1	✓
Moun	t type	Post type	Post type	Post type	Post type	Post type	Post type
Pist		2	4	2	4	2	4
Piston r		Resin	Ceramic	Resin	Ceramic	Resin	Resin
	MONO-BODY	-	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Callina or fluid	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Anti loosen method Pad mount		Snap ring Split pin (stainless steel)	Snap ring Split pin (stainless steel)	Snap ring Split pin (stainless steel)	Snap ring Split pin	Snap ring Split pin (stainless steel)	Snap ring Split pin
Average weight (g)		steel)	steel)	steel)	Spiit pin	steel)	Spirt pin
<u> </u>				-	-	-	_
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		-	-	-	-	-	-
No	rte	*: Only compatible with resin pad	*: Only compatible with resin pad	J-Kit spec available * T6000 kit only ** M6000 kit only *** Both M6000 kit and T6000 kit ***** Only compatible with resin pad		* Only compatible with resin pad	* Only compatible with resin pad

Brake (Hydraulic Disc Brake)

Ser	ies	SHIMANO	SHIMANO	
Mode	el no.	BR-MT410	BR-MT200	
	1	Black (SHIMANO logo)	Black	
Color	2	-	-	
	3	-	-	
Brake	type	Hydraulic disc brake	Hydraulic disc brake	
Brake h	ose (kit)	SM-BH59-JK-SS	SM-BH59-JK-SS	
Hose	joint	Straight	Straight	
Brake hose color	1	Black	Black	
Brake hose color (kit)	2	-	-	
J-Kit spec	(for OEM)	1	1	
ICE TECHNOLOGIES p	ad compatible caliper	-	-	
	Standard 1	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	
Pad	Standard 2	-	-	
	Option 1	-	-	
	Option 2	-	-	
	10 mm mount	-	-	
	15 mm mount	-	-	
Fixing screw spec for rear mount	20 mm mount	-	-	
for řear mouht	25 mm mount	-	-	
	30 mm mount	-	-	
	35 mm mount	-	-	
Recommende	d brake lever	BL-M4100, BL- MT401, BL- MT402-3A	BL-MT201 BL-MT200	
Recommended	disc brake rotor	SM-RT30 *, SM-RT54 *, SM-RT56 *	SM-RT10 *, SM-RT26	
	140 mm (SS)	1	✓	
	160 mm (S)	✓	✓	
Compatible rotor size	180 mm (M)	1	✓	
	203 mm (L)	✓	-	
	220 mm (LL)	-	-	
0	il	SHIMANO mineral	SHIMANO mineral	
ONE WAY	BLEEDING	✓	✓	
Moun	t type	Post type	Post type	
Pis	ton	2	2	
Piston r	material	Resin	Resin	
	MONO-BODY	-	-	
Caliper	Material	Aluminum	Aluminum	
	Finish	Painted	Painted	
	Material	Steel	Steel	
Caliper fixing screw	Caliper fixing screw Tool size		5 mm	
	Anti loosen method	Snap ring	Snap ring	
Pad n	nount	Split pin (stainless steel)	Split pin	
Average v	veight (g)	-	-	
Average weight (g) (w/ pad (Standard 1, scre	kit for front 800 mm,), w/o adapter, w/ 2 ws)	-	-	
No	te	* Only compatible with resin pad	* Only compatible with resin pad	

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Brake (Mechanical Disc Brake) Brake (V-BRAKE)

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	ries	SHIMANO		
Mode	el no.	BR-M375		
	1	Black		
Color	2	-		
	3	-		
Brake	type	Mechanical disc brake		
ICE TECHNOLOGIES p	-			
	Standard 1			
Pad	Standard 2	-		
	Option 1	=		
	Option 2	-		
Recommende	V-BRAKE BL (1.5-2.5 finger)			
Recommended	disc brake rotor	SM-RT10, SM-RT30, SM-RT26		
Moun	t type	Post type		
Pist	ton	1		
Piston r	naterial	=		
	MONO-BODY	-		
Caliper	Material	Aluminum		
	Finish	Painted		
	Material	Steel		
Caliper fixing screw	Tool size	5 mm		
	Anti loosen method	Snap ring		
Pad n	nount	Split pin		
Average v	veight (g)	-		
No	ote			

Ser	ries	DXR	
Mode	el no.	BR-MX70	
	1	Series color	
Color	2	-	
	3	-	
Brake	type	V-BRAKE	
	Standard 1	\$70C	
Brake shoe	Standard 2	-	
втаке зпое	Option 1	M70T4	
	Option 2	M70T3	
Cartridge s	hoe holder	1	
Arch siz	ze (mm)	103	
S	X type	1	
Spacer type	Y type	1	
Compatible lead	45/90/135		
Sleeve & bu	ushing axle	1	
	Material	Aluminum	
V-arm/caliper	Finish	Anodized	
	Light weight link	1	
Carrai	Material	Aluminum	
Cover	Finish	Anodized	
Fixing screw length	16	1	
Fixing screw length (mm)	25	1	
	Material	Stainless steel	
Fixing screw	Finish	Plated	
	Chamfered screw	1	
POWER MO	ODULATOR	✓ (option SM-PM70)	
Linear	spring	✓	
Stainless cabl	e fixing screw	1	
Average v	weight (g)	184	
No	ote		

Crankset

Ser	ies	XTR	XTR	XTR	XTR	XTR	XTR
Mode	el no.	FC-M9100-2	FC-M9120-B2	FC-M9100-1	FC-M9120-1	FC-M9125-1	FC-M9130-1
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
Rear s	2	12 (Front double)	12 (Front double)	12	12	12	12
Compatil		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
		48.8					
Chain lin		142	51.8 148	52 142, 148	52 142, 148	55 148	56.5 157
O.L.D.	Thru (mm)					148	
P. D.	QR/Nut (mm)	135	141	135, 141	135, 141	Diamet.	- Discort
P.C.D.		Direct	Direct	Direct	Direct	Direct	Direct
Spider/g	ear arms	4	4	4	4	4	4
Chainring co	ombination	38-28T	38-28T	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	32T, 34T	30T, 32T, 34T
Q-facto	or (mm)	162	168	162	168	174	171
Q-lacto	160	- 102	-	102	-	- 1/4	- 171
	165	1	1	1	1	1	1
	167.5	-	J	J	-		-
		-	-	-			
Crank arm length (mm)	170	✓	✓	√	√	✓	✓
(''''')	172.5		-	-			<u>-</u>
	175	✓	1	/	1	1	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-
guard	Without chain/bash	✓	1	1	1	✓	1
	guard	-	-	-	-	-	-
HOLLOV		✓	1	✓	✓	✓	✓
2-PIECE C		-	-	-	-	-	-
HOLLOWTEC		-	-	-	-	-	-
OCTA		-	-	-	-	-	-
HOLLO\		-	-	-	-	-	-
	Outboard	✓	✓	✓	✓	✓	✓
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain						_
Dottom bracket	case)	-	-	-	-	-	
	Press-Fit	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A
Axle length of	BB-UN/ES (mm)	-	-	-	-	-	-
Threaded hottom	68	✓	1	1	1	✓	√
Threaded bottom bracket shell width (mm)	73	1	1	1	1	1	1
(mm)	83	-	-	-	-	-	-
Chain case		-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	Material	- Indica	- Indica	- Iucu	- Indica	- Indica	-
Spider arm	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
-		- Aluminum	Aluminum		- Aluminum		
Outer ring			Aluminum	Aluminum		Aluminum	Aluminum
	Material			Dlatad	Dlatad		
outer ring	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	Finish Material			Plated -	Plated -	Plated -	Plated -
Middle ring	Finish Material Finish	Plated - -	Plated - -		-	-	-
Middle ring	Finish Material Finish Material	Plated Aluminum	Plated Aluminum		-	Plated - - -	-
Middle ring	Finish Material Finish Material Finish	Plated Aluminum Plated	Plated Aluminum Plated	-	-	- - -	
Middle ring Inner ring	Finish Material Finish Material Finish Material	Plated Aluminum Plated Aluminum	Plated Aluminum Plated Aluminum	- - - - Aluminum	- - - - Aluminum	- - - - Aluminum	- - - - Aluminum
Middle ring Inner ring Outer/middle ring fixing bolt	Finish Material Finish Material Finish Material Finish	Plated Aluminum Plated Aluminum Anodized	Plated Aluminum Plated Aluminum Anodized	-	-	- - -	
Middle ring Inner ring Outer/middle ring fixing bolt	Finish Material Finish Material Finish Material Finish Material	Plated Aluminum Plated Aluminum Anodized Aluminum	Plated Aluminum Plated Aluminum Anodized Aluminum	- - - - Aluminum	- - - - Aluminum	- - - - Aluminum	- - - - Aluminum
Middle ring Inner ring Outer/middle ring fixing bolt Inner ring fixing screw	Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Plated Aluminum Plated Aluminum Anodized	Plated Aluminum Plated Aluminum Anodized	- - - - Aluminum Anodized -	Aluminum Anodized	- - - - Aluminum Anodized - -	- - - - - Aluminum Anodized -
Middle ring Inner ring Outer/middle ring fixing bolt Inner ring fixing screw Stainless chain g	Finish Material Finish Material Finish Material Finish Material Finish Material Finish uard fixing screw	Plated Aluminum Plated Aluminum Anodized Aluminum	Plated Aluminum Plated Aluminum Anodized Aluminum	- - - Aluminum Anodized - -	- - - - - Aluminum Anodized - -	- - - - Aluminum Anodized - -	
Middle ring Inner ring Outer/middle ring fixing bolt Inner ring fixing screw	Finish Material Finish Material Finish Material Finish Material Finish Material Finish uard fixing screw	Plated Aluminum Plated Aluminum Anodized Aluminum	Plated Aluminum Plated Aluminum Anodized Aluminum Anodized	- Aluminum Anodized 	- Aluminum Anodized	- - - - Aluminum Anodized - -	- - - - - Aluminum Anodized -
Middle ring Inner ring Outer/middle ring fixing bolt Inner ring fixing screw Stainless chain g	Finish Material Finish Material Finish Material Finish Material Finish Material Finish uard fixing screw crew included	Plated Aluminum Plated Aluminum Anodized Aluminum Anodized Aluminum Anodized	Plated	- Aluminum Anodized	- Aluminum Anodized	- - - - Aluminum Anodized - -	
Middle ring Inner ring Outer/middle ring fixing bolt Inner ring fixing screw Stainless chain gi Crank fixing s	Finish Material	Plated Aluminum Plated Aluminum Anodized Aluminum Anodized	Plated Aluminum Plated Aluminum Anodized Aluminum Anodized	Aluminum Anodized 			

SL

SLMT

SMSL

BL BL

RD

FD

SMCD

SMCR

ВВ

НВ

FH

WH

CI-DECK SC

SW

RD

FD SMAD

Crankset

o. 1 2 eds chain mm) Thru (mm) QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180 With bash guard	DEORE XT FC-M8100-2 Series color	DEORE XT FC-M8120-B2 Series color	DEORE XT FC-M8100-1 Series color - 12 HG 12-speed 52 142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T	DEORE XT FC-M8120-1 Series color - 12 HG 12-speed 55 148 141 Direct 4 28T, 30T, 32T, 34T, 36T	DEORE XT FC-M8130-1 Series color 12 HG 12-speed 56.5 157 - Direct 4	FC-M7100-2 Series color - 12 (Front double) HG 12-speed 48.8 142 135 Direct
1 2 eds chain mm) Thru (mm) QR/Nut (mm) m) arms bination mm) 160 165 167.5 170 172.5 177.5 180	Series color 12 (Front double) HG 12-speed 48.8 142 135 Direct 4 36-26T 172 - - - -	Series color 12 (Front double) HG 12-speed 51.8 148 141 Direct 4 36-26T 178	Series color 12 HG 12-speed 52 142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T	Series color	Series color	Series color - 12 (Front double) HG 12-speed 48.8 142 135
2 dds chain mm) Thru (mm) QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180	12 (Front double) HG 12-speed 48.8 142 135 Direct 4 36-26T 172	12 (Front double) HG 12-speed 51.8 148 141 Direct 4 36-26T 178	12 HG 12-speed 52 142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T 172	- 12 HG 12-speed 55 148 141 Direct 4 28T, 30T, 32T, 34T,	- 12 HG 12-speed 56.5 157 - Direct	- 12 (Front double) HG 12-speed 48.8 142 135
chain mm) Thru (mm) QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180	HG 12-speed 48.8 142 135 Direct 4 36-26T 172	HG 12-speed 51.8 148 141 Direct 4 36-26T 178	HG 12-speed 52 142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T 172	HG 12-speed 55 148 141 Direct 4 28T, 30T, 32T, 34T,	HG 12-speed 56.5 157 - Direct	HG 12-speed 48.8 142 135
mm) Thru (mm) QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180	48.8 142 135 Direct 4 36-26T 172	51.8 148 141 Direct 4 36-26T	52 142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T 172	55 148 141 Direct 4 28T, 30T, 32T, 34T,	56.5 157 - Direct	48.8 142 135
Thru (mm) QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5	142 135 Direct 4 36-26T 172	148 141 Direct 4 36-26T 178	142, 148 135, 141 Direct 4 28T, 30T, 32T, 34T, 36T 172	148 141 Direct 4 28T, 30T, 32T, 34T,	157 - Direct	142 135
QR/Nut (mm) m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180	135 Direct 4 36-26T 172	141 Direct 4 36-26T 178	135, 141 Direct 4 28T, 30T, 32T, 34T, 36T 172	141 Direct 4 28T, 30T, 32T, 34T,	- Direct	135
m) arms bination nm) 160 165 167.5 170 172.5 175 177.5 180	Direct 4 36-26T 172	Direct 4 36-26T 178	Direct 4 28T, 30T, 32T, 34T, 36T 172	Direct 4 28T, 30T, 32T, 34T,		
bination nm) 160 165 167.5 170 172.5 175 177.5 180	36-26T 172 - - - - -	36-26T 178 -	28T, 30T, 32T, 34T, 36T 172	28T, 30T, 32T, 34T,	4	
nm) 160 165 167.5 170 172.5 175 177.5 180	172 - - - - -	178 -	36T 172			4
160 165 167.5 170 172.5 175 177.5 180	- - - -	=	172		28T, 30T, 32T, 34T	36-26T
165 167.5 170 172.5 175 177.5 180	- - -			178	181	172
167.5 170 172.5 175 177.5 180	-	✓	-	-	-	-
170 172.5 175 177.5 180	-		1	1	1	✓
172.5 175 177.5 180	-	-	-	-	-	-
175 177.5 180		√	1	√	√	✓
177.5 180	✓	-	1	-	-	-
	-	-	-	-	-	-
With bash guard	1	✓	1	✓	1	-
	-	-	-	-	-	-
Nith chain guard ithout chain/bash	-	-	-	-	-	-
guard	✓	1	1	1	✓	✓
CH II	1	1	1	1	1	✓
NKSET	-	-	-	-	-	-
rank arm IK	-	-	-	-	-	-
LIDE	-	-	-	-	-	-
Outboard	✓	1	1	1	✓	✓
	-	-	-	-	-	-
	- DD MTOO1	- DD MTOO1	- DD MTOO1	- DD MTOO1	- DD MTOO1	- DD MTOO1
	BB-IVI 18U I	BB-IVI 1 8U I	BB-IVI I 80 I	BB-IVI 1 8 U I	BB-IVI 180 I	BB-MT801
Threaded (chain	_			_		-
case)		- DD M4T000 DA	DD MITOOD DA	DD MATOOO DA	DD MTOOO DA	
Press-Fit	BB-M1800-PA	BB-M1800-PA	BB-M1800-PA	BB-M1800-PA	BB-M1800-PA	BB-MT800-PA
	1	1	1	1	1	1
73	1	1	1	1	1	1
83	-	-	-	-	-	-
npatible	- Al	- A l	- Al	-	-	-
						Aluminum Anodized
						Steel
Finish	Plated	Plated	Plated	Plated	Plated	Plated
Material	-	-	-	-	-	
	-	-	-	-	-	-
	-		-	-	-	-
Material	Aluminum	Aluminum	Steel (teeth), CFRP (body), Aluminum	Steel (teeth), CFRP (body), Aluminum	Steel (teeth), CFRP (body), Aluminum	Aluminum
Finish	Anodized	Anodized	Painted (teeth), Anodized (arm)	Painted (teeth), Anodized (arm)	Painted (teeth), Anodized (arm)	Painted
Material	-	-	-	-	-	-
					-	- Ctool
			-	-	-	Steel Painted
	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Material	Aluminum	Aluminum	-	-	-	Aluminum
	Anodized	Anodized				Anodized
	-	-	./	./	1	-
w included	·	•	608 (28T) 622 (30T) 620 (32T) 633 (34T) 651 (36T)	616 (28T) 630 (30T) 628 (32T) 642 (34T)	624 (28T) 639 (30T) 636 (32T) 650 (34T) 668 (36T)	· ·
hreihr Th UN	Outboard OCTALINK Square eaded (normal) eaded (E-type) readed (chain case) Press-Fit I/ES (mm) 68 73 83 atible Material Finish Finish	Outboard OCTALINK - Square eaded (normal) BB-MT801 eaded (E-type) Preached (chain case) Press-Fit BB-MT800-PA //FE (mm) 68 √ 73 √ 83 - atible - Material Finish Anodized Material Finish Finish Material Finish Anodized Material Finish Finish Anodized Material Finish Finish Aluminum Finish Finish - Material Finish - Material Finish - Material Finish Anodized Material Finish Anodized Material Finish Anodized Material Finish Anodized Material Aluminum Finish Anodized Material Aluminum Finish Anodized Material Aluminum Finish Anodized Material Aluminum Finish Anodized	Outboard ✓ ✓ OCTALINK - - Square - - eaded (normal) BB-MT801 BB-MT801 eaded (E-type) - - readed (E-type) - - readed (chain case) - - Press-Fit BB-MT800-PA BB-MT800-PA //ES (mm) - - 68 ✓ ✓ 73 ✓ ✓ 83 - - 73 ✓ ✓ 83 - - 73 ✓ ✓ 83 - - 73 ✓ ✓ 83 - - 73 ✓ ✓ 83 - - 73 ✓ ✓ 83 - - 74 V ✓ 83 - - 75 Steel Steel	Outboard J J OCTALINK - - Square - - eaded (normal) BB-MT801 BB-MT801 eaded (E-type) - - readed (E-type) - - readed (E-type) - - Press-Fit BB-MT800-PA BB-MT800-PA Josephy - - Press-Fit BB-MT800-PA BB-MT800-PA Josephy Josephy Josephy 68 Josephy Josephy Josephy Josephy Josephy 68 Josephy Josephy Josephy Josephy Josephy	Outboard J<	Outboard J<

Crankset

Ser	Series		SLX	SLX	SLX	DEORE	DEORE
Mode	el no.	FC-M7120-B2	FC-M7100-1	FC-M7120-1	FC-M7130-1	FC-M6100-1	FC-M6120-1
Color	1 2	Series color	Series color	Series color	Series color	Series color	Series color
Rear s	_	12 (Front double)	12	12	12	12	12
Compati		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain lii		51.8	52	55	56.5	52	55
	Thru (mm)	148	142, 148	148	157	142, 148	148
O.L.D.	QR/Nut (mm)	141	135, 141	141	-	135, 141	141
P.C.D.		Direct	Direct	Direct	Direct	Direct	Direct
Spider/g		4	4	4	4	4	4
	ombination	36-26T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T	30T, 32T
Q-facto		178	172	178	181	172	178
	160	•	-	-	-	-	-
	165	✓	1	1	1	✓	✓
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170	✓	1	1	1	✓	✓
(mm)	172.5	-	-	-	-	-	-
	175	✓	1	1	✓	✓	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-
guaiu	Without chain/bash guard	✓	✓	✓	✓	✓	✓
HOLLOV	VTFCH II	J	1	1	1	-	-
2-PIECE C		-	-	-	-	1	1
HOLLOWTEG			_	_	_	<u> </u>	-
OCTA			_	_	_		_
HOLLO		-	_	-	-	-	-
	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Basawa and ad	Threaded (normal)	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain	_	_	_	_	_	_
	case)	DD 14T000 D4	DD 147000 D4	DD 147000 D4	DD 147000 D4	DD 147500 D4	22 147500 24
Aula lamenth of	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA
Axle length of		-	-	-	-	-	-
Threaded bottom	68 73	1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	83		-	_			V
Chain case		-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	Material	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
Cusidan anna aar	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Steel (teeth), GFRP (body), Aluminum(arm)				
	Finish	Painted	Plated (teeth), Painted (body)	Plated (teeth), Painted (body)	Plated (teeth), Painted (body)	Painted (teeth), Painted (arm)	Painted (teeth), Painted (arm)
NALALIl	Material	-	-	- ` '	-	-	-
Middle ring	Finish	-	-	-	-	-	-
Innov sing	Material	Steel	-	-	-	-	-
Inner ring	Finish	Painted	-	-	-	-	-
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
fixing bolt	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Inner ring fixing	Material	Stainless steel	-	-	-	-	-
screw	Finish	-	-	-	-	÷	-
Stainless chain g		-	-	-	-	-	-
Crank fixing s Average weight (g) (√ 684	634 (30T) 631 (32T) 646 (34T)	641 (30T) 638 (32T) 653 (34T)	650 (30T) 647 (32T) 662 (34T)	-	√
			646 (34T)	653 (34T)	662 (34T)		
No	ote						

SL

SLMT

SMSL

BL

RD

BL

FD

DD

BR

FC

SMCD

SMCR

BB

НВ

FH

CI-DECK

SC

SW

RD FD

SMAD

SC

Crankset

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FC-M6130-1	FC-MT610-2	FC-MT610-B2	FC-MT510-1	FC-MT511-1	FC-MT512-1
	1	Series color	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
Rear s		12	12	12	12	12	12
Compatil		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain lir		56.5	48.8	51.8	52	52	55
O.L.D.	Thru (mm) QR/Nut (mm)	157	142 135	148 141	142, 148 135, 141	142, 148 135, 141	148 141
P.C.D.		Direct	Direct	Direct	96	96	96
Spider/g		4	4	4	4	4	4
Chainring o		30T, 32T	36-26T	36-26T	30T, 32T, 34T	30T, 32T	30T, 32T
Q-facto		181	172.9	178.9	177	178.5	178.5
	160	-	-	-	-	-	-
	165	✓	-	-	-	✓	1
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170 172.5	✓	✓	1	1	✓	1
(11111)	172.5	-	-	-	-	-	-
	177.5	-	<u>√</u>	-	-	√	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
' guard	Without chain/bash	1	1	1	1	1	1
HOLLOV	guard	-	-	-	-	-	-
2-PIECE C		1	1	1	1	1	1
HOLLOWTEC		-	-	-	-	-	-
OCTA		-	-	-	-	-	-
HOLLO\	NGLIDE	-	-	-	-	-	-
Commentally by the second	Outboard	✓	✓	✓	1	✓	✓
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-		-	-	-	-
	Threaded (normal)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501
Recommended bottom bracket	Threaded (E-type)	-	-	-	-	-	-
bottom bracket	Threaded (chain case)	-	-	-	-	-	-
	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of		-	-	-	-	-	-
Threaded bottom bracket shell width	68	1	<u> </u>	1	1	1	1
bracket shell width (mm)	73	1	/	1	1	✓	1
Chain case	83	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Painted	Painted	Painted	Painted	Painted
Cuamb	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	Aluminum	Aluminum	Aluminum	-	-
Spiaci aiiii	Finish	-	Painted	Painted	Painted	-	-
Spider arm cover	Material	-	-	-	-	-	-
	Finish	Stool (tooth) CERR	-	-	- C+ool (20T, 22T)	-	-
	Material	Steel (teeth), GFRP (body),	Aluminum	Aluminum	Steel (30T, 32T), Steel+GF composite (34T)	Steel	Steel
Outer ring		(body), Aluminum(arm)			(34T)		
-	Finish	Painted (teeth), Painted (arm)	Painted	Painted	Painted (30T, 32T), Plated (34T, teeth)	Painted	Painted
	Material	- rainteu (ann)		-	-	_	_
Middle ring	Finish	-	-	-	-	-	-
Innor ring	Material	-	Steel	Steel	-	-	-
Inner ring	Finish	-	Painted	Painted	-	-	-
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel
	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Inner ring fixing screw	Material	-	Stainless steel	Stainless steel	-	-	-
Stainless chain g	Finish	-	Painted	Painted	-	-	-
Crank fixing s		-	- -	-	-	-	-
Average weight (g) (175 mm. w/o bottom		-			-	
Drac	ket)	-	-	-	-	-	-
No	te						

Crankset

m) mm) guard guard guard jn/bash	FC-M9020-B1 Series color	FC-M9020-B2 Series color	FC-M8000-B1 Series color	FC-M8000-B2 Series color	FC-M5100-1 Series color	FC-M5100-2 Series color
guard guard in/bash	11 LINKGLIDE, HG 11-speed 53.4 148 141 96 4 30T, 32T 174	11 LINKGLIDE, HG 11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 174	- 11 LINKGLIDE, HG 11-speed 53.4 148 141 96 4 30T, 32T (SM-CRM81) 176	- 11 LINKGLIDE, HG 11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 176 		11 LINKGLIDE, HG 11-speed 48.8 142 135 96/64 4 36-26T 178.5
guard guard in/bash	LINKGLIDE, HG 11-speed 11-speed 53.4 148 141 96 4 30T, 32T 174	11 LINKGLIDE, HG 11-speed 51.8 148 1411 96/64 4 34-24T, 36-26T 174	LINKGLIDE, HG 11-speed 53.4 148 141 96 4 30T, 32T (SM-CRM81) 176	LINKGLIDE, HG 11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 176	HG 11-speed, HG-X 10-speed 52 142, 148 135, 141 96 4 30T, 32T 178.5	LINKGLIDE, HG 11-speed 48.8 142 135 96/64 4 36-26T 178.5
guard guard in/bash	LINKGLIDE, HG 11-speed 11-speed 53.4 148 141 96 4 30T, 32T 174	LINKGLIDE, HG 11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 174	LINKGLIDE, HG 11-speed 53.4 148 141 96 4 30T, 32T (SM-CRM81) 176	LINKGLIDE, HG 11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 176	HG 11-speed, HG-X 10-speed 52 142, 148 135, 141 96 4 30T, 32T 178.5	LINKGLIDE, HG 11-speed 48.8 142 135 96/64 4 36-26T 178.5
guard guard in/bash	53.4 148 141 96 4 30T, 32T 174	51.8 148 141 96/64 4 34-24T, 36-26T 174	53.4 148 141 96 4 30T, 32T (SM-CRM81) 176	11-speed 51.8 148 141 96/64 4 34-24T, 36-26T 176	52 142, 148 135, 141 96 4 30T, 32T 178.5	48.8 142 135 96/64 4 36-26T 178.5
guard guard in/bash	148 141 96 4 30T, 32T 174	148 141 96/64 4 34-24T, 36-26T 174 - - - -	148 141 96 4 30T, 32T (SM- CRMB1) 176 	148 141 96/64 4 34-24T, 36-26T 176 -	142, 148 135, 141 96 4 30T, 32T 178.5	142 135 96/64 4 36-26T 178.5
guard guard in/bash	141 96 4 30T, 32T 174 - - - - - - -	141 96/64 4 34-24T, 36-26T 174 - - - - - -	141 96 4 30T, 32T (SM-CRM81) 176 	141 96/64 4 34-24T, 36-26T 176 -	135, 141 96 4 30T, 32T 178.5	135 96/64 4 36-26T 178.5
guard guard in/bash	96 4 30T, 32T 174 - - - - - - - - - -	96/64 4 34-24T, 36-26T 174 - - - - -	96 4 30T_32T (SM- CRM81) 176 - - - - -	96/64 4 34-24T, 36-26T 176 - -	96 4 30T, 32T 178.5 - -	96/64 4 36-26T 178.5 -
guard guard in/bash	4 30T, 32T 174	4 34-24T, 36-26T 174	4 30T, 32T (SM- CRMB1) 176 	4 34-24T, 36-26T 176 - -	4 30T, 32T 178.5 - -	4 36-26T 178.5 - -
guard guard in/bash	174	174 - - - - - - -	CRM81) 176	176 - - -	178.5 - - -	178.5 - -
guard guard in/bash	· · · · · · · · · · · · · · · · · · ·	174 - - - - - - -	176 - - - - -	176 - - -	- - -	-
guard guard in/bash	· · · · · · · · · · · · · · · · · · ·	- - - - - -	- - - - - -		- - -	-
guard guard in/bash	- - - - -	- - - -	- / -	-		
guard guard in/bash	· · · · · · · · · · · · · · · · · · ·	√ - √	-			
guard guard in/bash	- - - -	-	-	√		-
guard guard in/bash	- -	1		-	-	√
guard guard in/bash	-	•		-	1	- -
guard guard in/bash			-	-	-	-
guard in/bash	-	-	- (30T), √ (32T)	- (34-24T), √ (36-26T)	-	-
in/bash		-	-	-	-	-
in/bash	-	-	-	-	-	-
	✓	✓	✓	1	✓	✓
	1	✓	1	√		-
	-	-	-	-	1	√
	-	-	-	-	-	-
	-		-	-	-	-
rd	1		1	1	1	1
VΚ	-	-	-	-	-	-
е	-	-	-	-	-	-
ormal)	SM-BB93	SM-BB93	BB-MT801	BB-MT801	BB-MT501	BB-MT501
-type) chain	-	-	-	-	-	-
Cilaili	-	-	-	-	-	-
it	SM-BB94-41A	SM-BB94-41A	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA
1)	-	-	-	-	-	-
	1	√	1	1	1	<i>J</i>
	-	-	-	-	-	-
	-	-	-	-	-	-
al	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
1	Anodized	Anodized	Anodized	Anodized	Painted	Painted
al ı	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated
al	-	Aluminum	Aluminum	Aluminum	-	-
1	-	Anodized	Painted	Painted	-	-
al	-	-	-	-	-	-
1	-	-	-	Alumain CF	-	-
al	Aluminum	Ti + Aluminum	Steel +CF composite	composite	Steel	Steel
	Anodized	-	Painted (body)	Painted (body)	Painted	Painted
		-	-	-	-	-
	-		-		-	Steel
	-	Plated	-	Plated	-	Painted
al	Aluminum	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel
	-	Anodized	Anodized	Anodized	Painted	Painted Stainless steel
	-	Anodized	-	-	-	-
	-	-	-	-	-	-
					√	✓
octom		664 (36-26T)		722 (36-26T)	-	-
Average weight (g) (175 mm, w/o bottom bracket) Note			outboard. - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard., - Only E type and D type front derailleur are compatible with	outboard, - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard, - Only E type and D type front derailleur are compatible with		
	al al al al al al al al cew	al Aluminum Anodized al - 1 - 1 - al - al - al - al - al - bottom 593 (30T) 601 (32T) - Chain line 3 mm outboard, - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard Only E type and D type front derailleur are compatible with	al Aluminum Ti + Aluminum Anodized al	Aluminum Anodized Anodized Anodized Anodized Anodized Anodized Aluminum Aluminum Aluminum Aluminum Aluminum Anodized Aluminum Ti + Aluminum Steel +CF composite Composite Composite Plated (teeth), Painted (body) Anodized - Plated (teeth), Painted (body) Aluminum	Aluminum Ti + Aluminum Steel + CF composite co	

SL

SLMT

SMSL BL

BL

RD FD

BR

BR

BR

SMCD

SMCR

BB

НВ

FH

WH

CI-DECK

sc sw

RD

FD

SMAD

SC

Crankset

Ser	ies	DEORE	SHIMANO	SHIMANO	SAINT	SAINT	DEORE XT
Mode	el no.	FC-M5100-B2	FC-MT700-B2	FC-MT600-2	FC-M820	FC-M825	FC-M785
ı	1	Series color	Black	Black	Series color	Series color	Black
Color	2	-	DIdCK -	DIdCK -	Series Color	- Series Color	Silver
Rear s		11	11	11	10	10	10
Compatib		LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
		11-speed	11-speed	11-speed			
Chain lir		51.8 148	51.8	48.8	50.4	57.9	48.8
O.L.D.	Thru (mm) QR/Nut (mm)	141	148 141	142 135	142 135	150, 157	142 135
P.C.D.		96/64	96/64	96/64	104	104	104/64
Spider/ge		4	4	4	4	4	4
Chainring co	ombination	36-26T	34-24T, 36-26T	36-26T	34T, 36T, 38T (SM- CR82)	34T, 36T, 38T (SM- CR82)	38-24T, 38-26T, 40-28T
Q-facto		178.5	175	177	178	193	175
Q-iacto	160	- 1/0.5	- 1/3	- 1//	- 1/0	195	- 1/5
	165	-	-	-	1	1	J
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170	1	1	1	1	1	1
(mm)	172.5	-	-	-	-	-	-
[175	✓	1	1	1	1	1
	177.5	-	-	-	-	-	-
	180 With back guard	<u>-</u> -	-	-	-	-	√
Optional chain	With bash guard With chain guard	-	-	-	-	-	<u>-</u>
guard	Without chain/bash		1	1	1	1	- -
	Without chain/bash guard	· · · · · · · · · · · · · · · · · · ·	-	,	-		
HOLLOW		<u> </u>	1	-	1	1	√
2-PIECE CI			-	/	-	-	-
HOLLOWTEC OCTA		-	-	-	-	-	<u>-</u>
HOLLOV			-	-	-	-	
Compatible bottom bracket type	Outboard	1	1	1	1	1	1
	OCTALINK	-	-	-	-	-	-
bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT501	BB-MT801	BB-MT801	SM-BB80	SM-BB80	-
Recommended	Threaded (E-type)	-	-	-	-	-	-
bottom bracket	Threaded (chain case)	-	-	-	-	-	-
	Press-Fit	BB-MT500-PA	BB-MT800-PA	BB-MT800-PA	SM-BB71-41A	SM-BB71-41C	SM-BB71-41A
Axle length of I	BB-UN/ES (mm)	-	-	-	-	-	-
Threaded bottom	68	✓	1	1	1	-	✓
Threaded bottom bracket shell width (mm)	73	✓	1	1	1	-	✓
	83	-	-	-	-	1	-
Chain case		- A l	- A I	Alumainum	Alumainum	- Alumainum	Alumainum
Crank arm	Material Finish	Aluminum Painted	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Spiuel allii	Finish	-	Painted	Painted	Painted	Painted	Painted
Spider arm cover	Material	-	-	-	-	-	-
	Finish	-	Alumainum CF	- Alumainum . CF	-	-	-
Outer ring	Material	Steel	Aluminum +GF composite	Aluminum +GF composite	-	-	Aluminum
Outer ining	Finish	Painted	Plated (teeth)	Anodized	-	-	Anodized
Middle ring	Material	-	-` '	-	Aluminum	Aluminum	-
wildule fillig	Finish			-	Anodized	Anodized	-
Inner ring	Material	Steel	Aluminum	Steel	-	-	Aluminum
•	Finish Material	Painted Stainless steel	Plated Stainless steel	Painted Stainless steel	- Aluminum	- Aluminum	Plated
Outer/middle ring fixing bolt	Material Finish	Stainless steel Painted	Stainless steel	Stainless steel	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Inner ring fixing	Material	Stainless steel	Stainless steel	Stainless steel	-	-	Stainless steel
screw	Finish	-	-	-	-	-	-
Stainless chain gu	uard fixing screw	-	-	-	-	-	-
Crank fixing so	crew included	1	1	1	1	✓	1
Average weight (g) (1 brac	175 mm, w/o bottom ket)	-	712.4 (34-24T) 738.9 (36-26T)	-	827 (34T) 837 (36T) 847 (38T)	838 (34T) 849 (36T) 858 (38T)	715.8 (38-24T) 717.6 (38-26T) 727.6 (40-28T)
No	te					For 83 mm bottom bracket shell width	()

Crankset

Ser	ries	ZEE	ZEE	DEORE	DEORE	DEORE	DEORE
Mode	el no.	FC-M640	FC-M645	FC-M6000-2	FC-M4100-2	FC-M4100-B2	FC-M617
Color	1	Series color	Series color	Series black	Series color	Series color	Black
	2	-	-	-	-	-	Silver
Rear s		10	10	10	10	10	10
	ble chain	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Chain li		50.4	57.9	48.8	48.8	51.8	48.8
O.L.D.	Thru (mm)	142	150, 157	142	142	148	142
	QR/Nut (mm)	135	- 104	135	135	141	135
P.C.D.		104 4	104	96/64 4	96/64 4	96/64 4	104/64 4
Spider/g	ear arms	2/IT 26T 29T /EC	34T, 36T, 38T (FC-		4	4	4
Chainring o	ombination	34T, 36T, 38T (FC- M640/M645 chainring)	M640/M645 chainring)	34-24T, 36-26T, 38-28T	36-26T	36-26T	36-22T, 38-24T
Q-facto		174.7	189.7	176	178.5	178.5	176
	160	-	-	-	-	-	-
	165	✓	√	-	-	-	-
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	1	1	1	1	✓
(mm)	172.5	-	-	-	-	-	-
	175	1	1	1	1	1	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
Outland shall	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard Without chain/bash	-	-	-	-	-	-
J	without chain/bash guard	✓	✓	✓	✓	✓	✓
HOLLOV	VTECH II	-	-	1	-	-	-
2-PIECE C		1	1	-	1	1	1
HOLLOWTEC		-	-	-	-	-	-
OCTA	LINK	-	_	-	-	-	-
HOLLO\	NGLIDE	-	-	-	-	-	-
	Outboard	✓	1	1	1	1	✓
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501
Recommended	Threaded (E-type)	SM-BB52	SM-BB52	-	-	-	SM-BB52
bottom bracket	Threaded (chain	-	_	_	_	_	_
	case)	CNA DD74 44A	CNA DD74 44C	DD MATEON DA	DD MATEON DA	DD MATEON DA	DD AATEOO DA
Axle length of	Press-Fit	SM-BB71-41A	SM-BB71-41C	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
		-	-	-	-	-	-
Threaded bottom	68 73	1	-		1	1	1
Threaded bottom bracket shell width (mm)	83	√	-	<i></i>	-	-	<u> </u>
	compatible	-	7	-	-	-	-
Criairi Case		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Material Finish	Painted	Painted	Anodized	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	Material	- riateu	-	Aluminum	- riateu	-	Aluminum
Spider arm	Finish	-	-	Painted	-	-	Painted
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
	Material	_	_	Aluminum +GF	Stool	Steel	Aluminum
Outer ring				composite	Steel		Aluminum
	Finish	-	-	Anodized	Painted	Painted	Anodized
Middle ring	Material	Aluminum	Aluminum	-	-	-	-
	Finish	Anodized	Anodized	-	-	-	-
Inner ring	Material	-	-	Steel	Steel	Steel	Steel
-	Finish	Chairless shart	Chairless shar!	Painted	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish Material	-	-	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Ctainless staal
Inner ring fixing screw	Material Finish	-	-	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Stainless chain g		-	-	-	-	-	-
Crank fixing s		-	-	-	-	-	-
Average weight (g) (807 (34T) 817 (36T) 828 (38T)	837 (34T) 847 (36T) 858 (38T)	-	-	-	-
No	-	020 (301)	For 83 mm bottom bracket shell width				

SL

SLMT

SMSL

BL

RD

BL

FD

BR

BR

BR

SMCD

SMCR

BB

НВ

FH

WH

CI-DECK

SC

SW

RD FD

SMAD

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Crankset

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		FC-M617-B2	FC-MT500-2	FC-MT500-3	FC-M627-B	FC-MT210-3	FC-MT210-2
I	1	Black	Black	Black	Black	Black	Black
Color	2	Silver	- Didck	-	- Didck	- DidCK	-
Rear s	peeds	10	10	10	10	9	9
Compatil		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Chain lir		51.8	48.8	50	51.8	50	48.8
O.L.D.	Thru (mm) OR/Nut (mm)	148 141	142 135	142 135	148 141	142 135	142 135
P.C.D.		104/64	96/64	96/64	104/64	Riveted	Riveted
Spider/g		4	4	4	4	4	4
Chainring co		36-22T	36-26T	40-30-22T	36-22T	40-30-22T, 44-32-22T	36-22T, 46-30T
Q-facto		176	177	177	176	176	176
	160	-	-	-	-	-	-
1	165 167.5	-	-	-	-	-	-
Crank arm langth	170	· /	1	1	1	1	√
Crank arm length (mm)	172.5	-	-	-	-	-	-
	175	1	1	1	1	1	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	- (2C 22T) (
Optional chain	With chain guard	-	-	✓	-	✓	- (36-22T), √ (46-30T)
guard	Without chain/bash guard	1	1	1	1	1	√
11017.00	guard		-	•	4	•	· ·
HOLLOV 2-PIECE C		- -	-	-	-	-	<u>-</u>
HOLLOWTEC		-	-	-	-	-	<u>√</u>
OCTA		-	-	-	-	-	-
HOLLOV		=	-	-	-	-	-
Compatible bettem	Outboard	✓	✓	✓	✓	1	✓
Compatible bottom bracket type	OCTALINK	÷	-	-	-	-	-
	Square	- DD MITTON	- DD MTF04	- DD MATEO4	- DD MTEO4	- DD MATEOA	- DD NATEOA
1	Threaded (normal) Threaded (E-type)	BB-MT501 SM-BB52	BB-MT501	BB-MT501 SM-BB52	BB-MT501 SM-BB52	BB-MT501	BB-MT501
Recommended bottom bracket	Threaded (chain	JIVI-0032		JIVI-DDJ2	JIVI-DDJ2		
DOLLOIN DIACKEL	case)	-	-	-	-	-	-
Aula lawash af I	Press-Fit	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of I	68	-	-	-	-	-	- -
Threaded bottom bracket shell width (mm)	73	7	1	1	1	1	
(mm)	83	-	-	-	-	-	-
Chain case	compatible	-	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank ann	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
Crank axle	Material Finish	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated
	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
Spider arm	Finish	Painted	Painted	Painted	Painted	-	-
Spidor arm save:	Material	-	-	-	-	Resin	Resin
Spider arm cover	Finish	-	-	-	-	Resin	Resin
0	Material	Aluminum	Aluminum +GF	Aluminum	Aluminum	Steel	Steel
Outer ring	Finish	Anodized	composite Anodized	Anodized	Anodized	Painted	Painted
Middle ring	Material	-	-	Steel	-	Steel	-
Middle ring	Finish		-	Plated		Painted	
Inner ring	Material	Steel	Steel	Steel	Steel	Steel	Steel
-	Finish Material	Painted Stainless steel	Painted Stainless steel	Painted Stainless stool *	Painted Stainless steel	Painted	Painted
Outer/middle ring fixing bolt	Material Finish	Stainless steel	Stainless steel	Stainless steel *	Stainless steel	-	-
Inner ring fixing	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	-	-
screw	Finish	-	-	-	-	-	-
Stainless chain g	uard fixing screw	-	-	-	-	1	-
Crank fixing s		1	1	1	1	1	✓
Average weight (g) (1/5 mm, w/o bottom ket)	-	-	-	-	-	-
No	·			* It is fixed on the threaded middle ring.	- Chain line 3 mm outboard - It requires special dimension of frame which cassette position and front derailleur mount position are 3 mm outboard - Only E type and D type front derailleur are compatible with the special frame	SHIMANO logo	-

Crankset

				1			
Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FC-MT210-B2	FC-MT200	FC-MT101-2	FC-MT101-B2	FC-MT101	FC-M371
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	- Didek
Rear s	peeds	9	9	9	9	9	9
	ble chain	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Chain li		51.8	50	48.8	51.8	50	50
	Thru (mm)	148	142	142	148	142	142
O.L.D.	QR/Nut (mm)	141	135	135	141	135	135
P.C.D.	(mm)	Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/g	ear arms	4	4	4	4	4	4
Chainring o	ombination	36-22T	40-30-22T	36-22T	36-22T	40-30-22T, 44-32-22T	44-32-22T, 48-36-26T
Q-facto	or (mm)	176	176	179.4	179.4	179.2	180.5
	160	-	-	-	-	-	-
	165	-	-	-	-	-	-
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	✓	✓	✓	✓	✓
(mm)	172.5	-	-	-	-	-	-
	175	✓	✓	✓	1	✓	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	1	-	-	✓	✓
guard	Without chain/bash	1	1	1	1	1	1
	guard		· · · · · · · · · · · · · · · · · · ·		-		-
HOLLOV		-	-	-	-	-	-
2-PIECE C		1	1	-	-	-	-
HOLLOWTEC		-	-	-	-	-	-
	LINK	-	-	-	-	-	-
HOLLO		-	-	-	-	-	-
Compatible bottom	Outboard	✓	1	-	-	-	-
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	1	V	V	√
	Threaded (normal)	BB-MT501	BB-MT501	BB-UN101	BB-UN101	BB-UN101	BB-UN300
Recommended	Threaded (E-type)	-	-	-	-	-	-
bottom bracket	Threaded (chain case)	-	-	-	-	-	BB-UN300-K
	Press-Fit	BB-MT500-PA	BB-MT500-PA	-	-	-	_
Axle length of		-	-	LL123	LL123	LL123	LL123
	68	1	J	1	1	1	1
Threaded bottom bracket shell width (mm)	73	1	1	1	1	1	1
(mm)	83	-	-	_	_	-	-
Chain case	compatible	-	-	-	-	-	1
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	-	-	-	-
Crank axle	Finish	Plated	Plated	-	-	-	-
6.11	Material	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
Culden e	Material	Resin	-	Resin	Resin	Resin	Resin
Spider arm cover	Finish	Resin	-	Resin	Resin	Resin	Resin
Outon vina	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer ring	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Middle ring	Material	-	Steel	-	-	Steel	Steel
Middle ring	Finish	-	Painted	-	-	Painted	Painted
Innor ring	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner ring	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material	-	-	-	-	-	-
fixing bolt	Finish	-	-	-	-	-	-
Inner ring fixing	Material	-	-	-	-	-	-
screw	Finish	-	-	-	-	-	-
Stainless chain g		-	-	-	-	-	-
Crank fixing s	crew included	✓	✓	✓	✓	√ (Option)	✓
Average weight (g) (175 mm, w/o bottom :ket)	-	-	-	-	-	-
No	ote	Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo	SHIMANO logo Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo

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Crankset

Ser	ies	SHIMANO	SHIMANO	DXR
Mode	el no.	FC-M315-2	FC-M315-B2	FC-MX71
	1	Black	Black	Series color
Color	2	-	-	-
Rear s		8/7	8/7	1
Compati		HG 8/7/6-speed	HG 8/7/6-speed	Single speed
Chain li		48.8	51.8	44
O.L.D.	Thru (mm)	142	148	142
P.C.D.	QR/Nut (mm)	135 Riveted	141 Riveted	135 104/64
Spider/g		4	4	4
				34T. 38T. 41T. 42T.
Chainring c		36-22T	36-22T	34T, 38T, 41T, 42T, 43T, 44T, 46T
Q-facto		179.4	179.4	173
	160	-	-	-
	165	-	-	7
	167.5 170	-	-	-
Crank arm length (mm)	172.5	√	-	V
	175	1	-	-
	177.5	-	-	-
	180	-	-	1
	With bash guard	-	-	-
Optional chain guard	With chain guard	-	-	-
guard	Without chain/bash	1	1	1
HOLLOV	guard VTECH II	-	-	,
2-PIECE C		-	-	1
	HOLLOWTECH crank arm		-	1
OCTALINK		-	-	-
HOLLOWGLIDE		-	-	-
Commentally beautions	Outboard	-	-	1
Compatible bottom bracket type	OCTALINK	-	-	-
	Square	✓	1	-
	Threaded (normal)	BB-UN101	BB-UN101	-
Recommended bottom bracket	Threaded (E-type)	-	-	-
bottom bracket	Threaded (chain case)	-	-	-
	Press-Fit	-	-	-
Axle length of	BB-UN/ES (mm)	LL123	LL123	-
Threaded bottom	68	✓	1	1
Threaded bottom bracket shell width (mm)	73	✓	1	1
	83	-	-	-
Chain case		- ^ l	Ali mai muma	- Al.,
Crank arm	Material Finish	Aluminum Painted	Aluminum Painted	Aluminum Anodized
	Material	-	- rainteu	Steel
Crank axle	Finish	-	_	Plated
Cuiden euro	Material	-	-	Aluminum
Spider arm	Finish	-	-	Anodized
Spider arm cover	Material	Resin	Resin	-
Spider anni cover	Finish	Resin	Resin	-
Outer ring	Material	Steel	Steel	Aluminum
	Finish	Painted	Painted	Anodized
Middle ring	Material Finish	-	-	-
_	Material	Steel	Steel	-
Inner ring	Finish	Painted	Painted	-
Outer/middle ring	Material	-	-	Aluminum
Outer/middle ring fixing bolt	Finish	-	-	Anodized
Inner ring fixing screw	Material	-	-	-
	Finish	-	-	-
	uard fixing screw	-	-	-
Average weight (a)	crew included	✓	1	√
Average weight (g) (ket)	-	-	765 (w/o chainring)
No	te	SHIMANO logo	SHIMANO logo, Chain line 3 mm outboard	BMX racing 68 mm bottom bracket shell width

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Chain device

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SAINT
Mode	el no.	SM-CD800-D	SM-CD800-E	SM-CD800-I	SM-CD50
Co	lor	Black	Black	Black	Series color
Sp	ec	Top guide	Top guide	Top guide	Chain guide w/ one guard
	Compatible chain	HG 12-speed	HG 12-speed	HG 12-speed	10/9-speed
	Chain line (mm)	52	52	52/55/56.5	50.4/57.9
	Top gear teeth	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	30T, 32T, 34T, 36T, 38T	34T, 36T, 38T
	Assumed rear sprocket teeth	10-45T, 10-51T	10-45T, 10-51T	10-45T, 10-51T	11-23T, 36T
Chain guide	Mount	D-type	E-type	ISCG05	ISCG03, ISCG05
	Rear suspension stroke	-	-	-	0 - 250 mm
	Chainstay angle (deg.)	63-75	63-75	63-75	-
	Back plate	Resin	Resin	Aluminum	Aluminum
	Chainguide	Resin	Resin	Resin	Aluminum
Bash guard	Compatible FC	-	-	FC-M820, FC-M825	FC-M825, FC-M820
Average v	veight (g)	28	25	33	-
No	ote				

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Chainring

Sei	ries	XTR	DEORE XT	SLX	DEORE XT	SLX	SHIMANO
Mode	el no.	SM-CRM95	SM-CRM85	SM-CRM75	SM-CRM81	SM-CRM70	SM-CR82
	1	Series color	Series color	Series color	Series color	Series color	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Gear	speed	1	1	1	1	1	1
	12-speed	✓	✓	1	-	-	-
	11-speed	-	-	-	✓	1	-
Rear speed	10-speed	-	-	-	-	-	1
	9-speed	-	-	-	-	-	-
	Single	-	-	-	-	-	-
DYNAMIC CHAIN	I ENGAGEMENT+	1	1	1	✓	✓	-
	46T	-	-	-	-	-	-
	44T	-	-	-	-	-	-
	43T	-	-	-	-	-	-
	42T	-	-	-	-	-	-
	41T	-	-	-	-	-	-
Chainnian taoth	40T	-	-	-	-	-	-
Chainring teeth	38T	1	-	-	-	-	1
	36T	1	1	-	-	-	✓
	34T	1	1	1	✓	✓	1
	32T	1	1	1	✓	✓	-
	30T	1	1	1	✓	✓	-
	28T	-	1	-	-	-	-
	Double	-	-	-	-	-	-
Chain guard type	Single	-	-	-	-	-	-
	w/o Chain guard	1	1	1	✓	1	√ *
P.C.D. (mm)		-	-	-	96	96	104
	Material	Aluminum	Steel (teeth)/CFRP (body)/Aluminum (arm)	Steel (teeth)/GFRP (body)/Aluminum(ar m)	Steel (teeth)/CFRP (body)	Steel (teeth)/GFRP (body)	Aluminum
Chainring	Finish	Plated	Painted (teeth)/Anodized (arm)	Painted (teeth)/Painted (arm)	Plated (teeth)/Painted (body)	Plated (teeth)	Anodized
No	ote						* SM-CD50 bash guard is compatible

Chainring

Sei	ries	SHIMANO
Mode	SM-CR80-A	
	1	Black
Color	2	-
	3	-
Gear	1	
	12-speed	-
	11-speed	-
Rear speed	10-speed	-
	9-speed	1
	Single	1
DYNAMIC CHAIN	I ENGAGEMENT+	-
	46T	1
	44T	1
	43T	1
	42T	1
	41T	1
Chainring teeth	40T	-
Chaining teeth	38T	1
	36T	-
	34T	1
	32T	-
	30T	-
	28T	-
	Double	-
Chain guard type	Single	-
	w/o Chain guard	1
P.C.D.	(mm)	104
Chainring	Material	Aluminum
	Finish	Anodized
No	ote	

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Bottom Bracket (HOLLOWTECH II)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-BB93	SM-BB94-41A	SM-BB80	SM-BB71-41A	SM-BB71-41C	BB-MT801
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1	-	1	-	-	1
Dottom bracket	Press-Fit type	-	1	-	1	1	-
	68	1	-	1	-	-	1
Threaded bottom bracket shell width (mm)	73	✓	-	1	-	-	1
()	83	-	-	1	-	-	-
	84.5	-	-	-	-	-	-
	89.5	-	✓	-	✓	-	-
Press-Fit bottom bracket shell width (mm)	92	=	✓	-	✓	-	-
()	104.5	-	-	-	-	✓	-
	107	-	-	-	-	✓	-
Small bal	l bearing	✓	1	-	-	-	-
Adapter	Material	Aluminum	Resin	Aluminum	Resin	Resin	Aluminum
Adapter	Finish	Anodized	-	Anodized	-	-	Anodized
Spacer	Material	Aluminum	Resin	Resin	Resin	Resin	Aluminum
Spacer	Finish	Anodized	-	-	-	-	-
Average v	Average weight (g)		58	95 (68/73 mm) 96 (83 mm)	71	73	84
No	ite			Gold color for SAINT			

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BB-MT800	BB-MT800-PA	ВВ-МТ800-РС	BB-MT501	BB-MT500	BB-MT500-PA
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1	-	-	1	1	-
bottom bracket	Press-Fit type	-	1	1	-	-	1
	68	1	-	-	1	1	-
Threaded bottom bracket shell width (mm)	73	1	-	-	1	1	-
()	83	-	-	-	-	-	-
	84.5	-	-	-	-	-	-
	89.5	-	1	-	-	-	✓
Press-Fit bottom bracket shell width (mm)	92	-	✓	-	-	-	✓
()	104.5	-	-	✓	-	-	-
	107	-	-	✓	-	-	-
Small bal	l bearing	-	-	-	-	-	-
A.d.,	Material	Aluminum	Resin	Resin	Aluminum	Aluminum	Resin
Adapter	Finish	Anodized	-	-	Anodized	Anodized	-
S	Material	Aluminum	Resin	Resin	Resin	Resin	Resin
Spacer	Finish	-	-	-	-	-	-
Average v	veight (g)	83	69	71	-	-	-
No	te						

Bottom Bracket (HOLLOWTECH II)

Ser	SHIMANO	
Mode	SM-BB52	
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1
bottom bracket	Press-Fit type	-
	68	1
Threaded bottom bracket shell width (mm)	73	1
()	83	-
	84.5	-
	89.5	-
Press-Fit bottom bracket shell width (mm)	92	-
()	104.5	-
	107	-
Small bal	l bearing	-
Adapter	Material	Aluminum
Adapter	Finish	Painted
Spacer	Material	Resin
Spacer	Finish	-
Average v	veight (g)	-
No	ote	

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Cassette

Sei	ries	XTR	DEORE XT	SLX
Mode	el no.	CS-M9101-12	CS-M8100-12	CS-M7100-12
Ty	pe	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+
Rears	peeds	12	12	12
Compati	ble chain	HG 12-speed	HG 12-speed	HG 12-speed
Combination nar	me (Group name)	10-45T, 10-51T	10-45T, 10-51T	10-45T, 10-51T
	1	10-12-14-16-18-21-24-28-32-36-40-45T	10-12-14-16-18-21-24-28-32-36-40-45T	10-12-14-16-18-21-24-28-32-36-40-45T
	2	10-12-14-16-18-21-24-28-33-39-45-51T	10-12-14-16-18-21-24-28-33-39-45-51T	10-12-14-16-18-21-24-28-33-39-45-51T
	3	-	-	-
Combination * Titanium gear	4	-	-	-
i italiialii geal	5	-	-	-
	6	-	-	-
	7	-	CS-M8100-12 CS-M7100-12 HYPERGLIDE+ HYPERGLIDE+ 12 12 HG 12-speed HG 12-speed 10-45T, 10-51T 10-45T, 10-51T T 10-12-14-16-18-21-24-28-32-36-40-45T 10-12-14-16-18-21-24-28-32-36-40-4 T 10-12-14-16-18-21-24-28-33-39-45-51T	-
	MICRO SPLINE	1	1	✓
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
[1	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider ann	Finish	-	-	-
Aluminum spider	QTY (pcs)	1	1	1
arm	Finish	Anodized		Painted
Steel spider arm	QTY (pcs)	-	-	-
Steel spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	5	-	-
i italiiulii geal		Shot		-
Titanium gear QTY (pcs	QTY (pcs)	3		
Aluminum gear	Finish	Painted		
Steel gear QTY (pcs) Finish		4		
Jeer year		Plated		Anodized 11 Plated
Lock ring	Material	Aluminum		
Lock inig	Finish	Anodized		
	weight (g)	357 (10-45T) 367 (10-51T)	461 (10-45T) 470 (10-51T)	513 (10-45T) 534 (10-51T)
No	ote			

Series		DEORE	DEORE XT	DEORE
Mode	el no.	CS-M6100-12	CS-M8000	CS-M5100-11
Ту	pe	HYPERGLIDE+	HG	HG
Rear s	peeds	12	11	11
Compati	ble chain	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination nar	ne (Group name)	10-51T	11-40T (bs), 11-42T (bt), 11-46T (bu)	11-42T, 11-51T
	1	10-12-14-16-18-21-24-28-33-39-45-51T		11-13-15-17-19-21-24-28-32-37-42T
	2	-		11-13-15-18-21-24-28-33-39-45-51T
Combination *	3	-	11-13-15-17-19-21-24-28-32-37**-46**T (bu)	-
Titanium gear	4	-	-	-
_	5	-	-	-
	6	-	-	-
	7	-	CS-M8000 CS-M5100-11 HG HG 11 11 LINKGLIDE, HG 11-speed 11-40T (bs), 11-42T (bt), 11-46T (bu) 11-13-15-17-19-21-24-27-31-35-40**T (bs) 11-13-15-17-19-21-24-28-32-37-42**T (bt) 11-13-15-17-19-21-24-28-32-37**-46**T (bu)	-
	MICRO SPLINE	✓	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Cultura tour	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	✓	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	1		•
arm '	Finish	Painted	Anodized	Painted
Steel spider arm	QTY (pcs)	-	-	<u> </u>
Steer spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	-		-
. italiiaiii gcal	Finish	-		-
Aluminum gear	QTY (pcs)	-	2	-
7agear	Finish	<u>-</u>		
Steel gear	QTY (pcs)	12		
	Finish Plated Material Steel Finish Plated			
Lock ring				
	Finish	Plated		Plated
Average v	3 137	-	434 (11-42T) 437 (11-46T)	-
L No	ote		** Aluminum gear	

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Cassette

Se	ries	DEORE XT	DEORE	SHIMANO
Mod	el no.	CS-M771-10	CS-M4100-10	CS-HG50-10
Ту	pe	HG	HG	HG
Rear	peeds	10		10
	ble chain	HG-X 10-speed		HG-X 10-speed
Combination nar	me (Group name)	11-32T (bL), 11-34T (bJ), 11-36T (bk)	11-42T, 11-46T	11-36T (bk)
	1	11-12-14-16-18-20-22-25-28-32T (bL)	11-13-15-18-21-24-28-32-37-42T	11-13-15-17-19-21-24-28-32-36T (bk)
	2	11-13-15-17-19-21-23-26-30-34T (bJ)	11-13-15-18-21-24-28-32-37-46T	-
	3	11-13-15-17-19-21-24-28-32-36T (bk)	-	-
Combination * Titanium gear	4	-	-	-
ritailiaili geai	5	-	-	-
	6	-	-	-
	7	-	CS-M4100-10 CS-H HG 10 HG-X 10-speed HG-X bk) 11-42T, 11-46T 11-3 (bL) 11-13-15-18-21-24-28-32-37-42T 11-13-15-17-19-2 (bJ) 11-13-15-18-21-24-28-32-37-46T 15 bk) - - - - - - - - - - - - -	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓	,
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider ann	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	2	-	-
arm '	Finish	Anodized	-	-
Steel spider arm	QTY (pcs)	-	•	1
steel spidel allii	Finish	-	Plated	Nickel plated
Titanium gear	QTY (pcs)	-	-	-
i italiiulii yeal	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Addining degr	Finish	-		-
Stool goog QTY (pcs)		10		10
Jieer gear	teel gear Finish Material	Shot-Cr		Nickel plated
Lock ring		Aluminum		Steel
LOCK IIIIG	Finish	Anodized	Plated	Chrome plated
_	weight (g)	294 (11-32T) 323 (11-34T) 343 (11-36T)	-	-
No	ote			

Series		SHIMANO SHIMANO		DXR	
Model no.		CS-HG201-9	CS-HG200-9	CS-MX66	
Туре		HG	HG	Single sprocket for FH-MX70	
	peeds	9	9	Single	
Compati	ble chain	HG 9-speed	HG 9-speed	1/2 x 3/32	
Combination nar	me (Group name)	11-32T (bo), 11-34T (bn), 11-36T (bw)	11-32T (bo), 11-34T (bn), 11-36T (bw)	-	
Combination *	1	11-13-15-17-19-21-24-28-32T (bo)	11-13-15-17-19-21-24-28-32T (bo)	-	
	2	11-13-15-17-20-23-26-30-34T (bn)	11-13-15-17-20-23-26-30-34T (bn)	-	
	3	11-13-15-17-20-23-26-30-36T (bw)	11-13-15-17-20-23-26-30-36T (bw)	-	
Combination * Titanium gear	4	-	-	-	
ritainain gear	5	-	-	-	
	6	-	-	-	
	7	-	-	-	
	MICRO SPLINE	-	-	-	
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-	
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	1	-	
	HG spline S (7-speed)	-	-	-	
Carbon spider arm	HG spline S (7-speed) QTY (pcs)	-	-	-	
carbon spider arm	Finish	-	-	-	
Aluminum spider arm	QTY (pcs)	-	-	-	
arm '	Finish	-	-	-	
Steel spider arm	QTY (pcs)	-	-	-	
steel spider aim	Finish	-	-	-	
Titanium gear	QTY (pcs)	-	-	-	
manium year	Finish	-	-	-	
Aluminum goar	QTY (pcs)	-	-	-	
Aluminum gear QTY (pcs) Finish		-	-	-	
Steel gear	QTY (pcs)	9	9	1	
steel gear	Finish	Ni-Ni plated (Top gear: Phosphate coated)	Phosphate coated	Shot-Cr/Shot-Ni	
Lock ring	Material	Steel	Steel	Steel	
LOCK TING	Finish	Phosphate coated	Phosphate coated	Chrome plated	
Average	weight (g)	-	-	-	
No	ote			For BMX racing	

RD

FD

SMAD

Front Hub (Disc Brake)

Seri	ies	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT
Model no.		HB-M9110	HB-M9110-B	HB-M9110-BS	HB-M820	HB-M8110	HB-M8110-B
	1 Hub shell	Series color	Series color	Series color	Series color		Series color
ŀ	1 Quick release	-	-	-	-	-	-
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	HB-M8110 Series color	-
Brake	Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake		CENTER LOCK disc brake
O.L.D.	(mm)	100	110	110	110	100	110
	28H	1	1	1	-	1	1
Spoke hole	32H	1	1	-	1	1	1
	36H	-	-	-	1	1	1
External serration	With	-	-	-	1	-	-
External serration disc brake rotor lock ring	Without	1	1	1	-	1	1
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixing	g method	15 mm E-THRU	15 mm E-THRU	15 mm E-THRU	20 mm Thru	15 mm E-THRU	15 mm E-THRU
Quick release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	-	-	-	-	-	-
	100 x 15	1	-	-	-	1	-
Thru axle (length x inner diameter ;	110 x 15	-	1	1	-	-	1
mm)	110 x 20	-	-	-	1	-	-
Flange dist	ance (mm)	60.2	70.2	62.76	61.6	60.2	70.2
Offset	(mm)	5.4	5.4	3.63	5.6	5.7	5.7
P.C.D. left /		44/44	44/44	45	52	44/44	44/44
Flange diameter		52.8	52.8	51	59.6		52.8
Se		Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	-	-
Internal gre	ease sleeve	-	-	-	-	1	1
	Stainless ball	1	1	1	1	1	1
	Cup	Grinded	Grinded	Grinded	CBN	Polish	Polish
Bearing	Cone	CBN	CBN	CBN	CBN		CBN
	Cartridge	-	-	-	-		-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized		Anodized
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Axle	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	-	-	-	-	-	-
Quick release lever	Finish	-	-	-	-	-	-
Quick rologeo	Material	-	-	-	-	-	-
Quick release housing	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
ring	Finish	Anodized	Anodized	Anodized	Anodized	-	-
Average w	veight (g)	132	137	146	202	142	147
Note		-	-	For straight spoke ERD: 550 - 610 mm Rim offset: 0 - 3 mm Intersections: 3 cross only including spoke heads in hub shell. Some spoke calculators may call this 2 cross. Contact the nearest SHIMANO sales office for more	Axle is supplied with front fork.		

ИТВ

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Front Hub (Disc Brake)

		55055.45	DE005 VE	250251/5	25025.45	61.77	61.7
Ser		DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX
Mode		HB-M8110-BS	HB-M8000	HB-M8010	HB-M8010-B	HB-M7110	HB-M7110-B
	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
Color	1 Quick release	-	Series color	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Brake		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D.	(mm)	110	100	100	110	100	110
	28H	1	-	-	-	1	1
Spoke hole	32H	-	✓	✓	✓	✓	✓
	36H	-	-	1	-	-	-
External serration	With	-	-	-	-	-	-
External serration disc brake rotor lock ring	Without	1	1	1	✓	1	1
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixin	g method	15 mm E-THRU	Quick release	15 mm E-THRU	15 mm E-THRU	15 mm E-THRU	15 mm E-THRU
Quick rologeo	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	-	✓	-	-	-	-
_	100 x 15	-	-	1	-	1	-
Thru axle (length x inner diameter ; mm)	110 x 15	1	-	-	1	-	1
mm)	110 x 20	-	-	-	-	_	-
Flange dist		62.8	60.2	60.2	70.2	60.2	70.2
Offset		3.7	6	5.4	5.4	5.7	5.7
P.C.D. left /	<u> </u>	45/45	44/41	44/44	44/44	44/44	44/44
Flange diameter	<u> </u>	51	52.8/51.4	52.8	52.8	52.8	52.8
Se		-		Labyrinth+Contact		Labyrinth+Contact	Labyrinth+Contact
Internal gre		-	Labyrinth+Contact ✓	Labyrintii+Contact	Labyrinth+Contact ✓	Labyrintii+Contact	Labyrintii+Contact ✓
internal gre	Stainless ball	1	-	-	-	1	1
1	Cup	Polish	-	-	-	Polish	Polish
Bearing							
}	Cone Cartridge	CBN	CBN	CBN -	CBN -	CBN -	CBN -
		-	- A1				
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever	Material	-	Aluminum	-	-	-	-
	Finish	-	Anodized	-	-	-	-
Quick release housing	Material	-	Aluminum	-	-	-	-
nousing	Finish	-	Anodized	-	-	-	-
Quick release nut	Material	-	Steel+Resin	-	-	-	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	Aluminum	Aluminum	-	-
ring	Finish	-	-	Anodized	Anodized	-	-
Average weight (g)		158	167	148	158	142	147
Note		For straight spoke ERD: 550 - 610 mm Rim offset: 0 - 3 mm Intersections: 3 cross only including spoke heads in hub shell. Some spoke calculators may call this 2 cross. Contact the nearest SHIMANO sales office for more information	-	Axle is supplied with front fork.	-		

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Front Hub (Disc Brake)

Ser	ies	DEORE	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	HB-M6000	HB-M6010	HB-M5100	HB-MT410	НВ-МТ410-В	HB-M525A
	1 Hub shell	Series black	Series black	Series black	Black	Black	Black
	1 Quick release	Series black	-	Series black	-	-	Black
Color	2 Hub shell	-	-	-	-	-	Silver
	2 Quick release	-	-	-	-	-	Silver
Brake	type	CENTER LOCK disc brake	6-bolt disc brake				
O.L.D.	(mm)	100	100	100	100	110	100
	28H	-	-	-	✓	✓	-
Spoke hole	32H	✓	✓	1	1	✓	✓
	36H	✓	✓	1	1	✓	✓
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	1	1	1	1	1	-
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixin	g method	Quick release	15 mm E-THRU	Quick release	15 mm E-THRU	15 mm E-THRU	Quick release
Ouick release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	✓	-	✓	-	-	✓
Th	100 x 15	-	✓	-	1	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-	-	1	-
""""	110 x 20	-	-	-	-	-	-
Flange dist	ance (mm)	60.2	60.2	60.2	60.2	70.2	59.2
Offset	(mm)	5.6	5.3	5.6	5.3	5.3	5.7
P.C.D. left /	right (mm)	44	44	44	44/44	44/44	61/61
Flange diameter	left / right (mm)	52.8	52.8	52.8	52.8	52.8	70.6
Se	al	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	ease sleeve	-	✓	-	-	-	-
	Stainless ball	-	-	-	-	-	-
B	Cup	-	-	-	-	-	-
Bearing	Cone	CBN	CBN	CBN	-	-	CBN
	Cartridge	-	-	-	1	1	-
Harbarta II	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Painted	Painted	Anodized
A. J.	Material	Steel	Aluminum	Steel	-	-	Steel
Axle	Finish	-	Anodized	-	-	-	-
0	Material	Aluminum	-	Aluminum	-	-	Aluminum
Quick release lever	Finish	Anodized	-	Anodized	-	-	Anodized
Ouick release	Material	Aluminum	-	Aluminum	-	-	Aluminum
Quick release housing	Finish	Anodized	-	Anodized	-	-	Anodized
Quiek volaces and	Material	Steel+Resin	-	Steel+Resin	-	-	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	Steel	-	-	-	-
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
Average v	veight (g)	-	-	-	-	-	-
No	te		-				-

Front Hub (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	HB-M475	HB-M4050	HB-M3050	HB-MT400	НВ-МТ400-В	HB-MT200
	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	-	-	Black
Color	2 Hub shell	Silver	Silver	-	-	-	-
	2 Quick release	Silver	Silver	-	-	-	-
Brake	Brake type		CENTER LOCK disc brake				
O.L.D.	(mm)	100	100	100	100	110	100
	28H	-	-	-	-	✓	✓
Spoke hole	32H	✓	✓	✓	1	1	1
	36H	1	1	1	1	1	1
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	-	1	1	1	1	1
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixing	g method	Quick release	Quick release	Quick release	15 mm E-THRU	15 mm E-THRU	Quick release
Ouick release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	1	✓	-	-	1
-	100 x 15	-	-	-	1	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-	-	1	-
"""	110 x 20	-	-	-	-	-	-
Flange dist	ance (mm)	59.2	60.2	60.2	60.2	70.2	60.2
Offset	(mm)	5.5	5.6	5.5	5.3	5.3	5.3
P.C.D. left /	right (mm)	61/61	44/44	44/44	44/44	44/44	44/44
Flange diameter	left / right (mm)	70.6	52.8	52.8	52.8	52.8	52.8 (32H/36H), 53.8 (28H)
Se	al	Contact	Labyrinth+Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Contact
Internal gre	ease sleeve	-	-	-	✓	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	-	-
	Cartridge	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Auto	Material	Steel	Steel	Steel	Aluminum	Aluminum	Steel
Axle	Finish	-	-	-	-	-	-
Quiek volesses lever	Material	Steel, Aluminum	Aluminum	Steel	-	-	Steel
Quick release lever	Finish	Plated, Painted	Painted	Plated	-	-	Plated
Ouick release	Material	Steel, Aluminum	Steel	Steel	-	-	Steel
Quick release housing	Finish	Painted, Anodized	Plated	Plated	-	-	Plated
Quick rolesses and	Material	Steel+Resin	Steel+Resin	Steel+Resin	-	-	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	Steel	Steel	-
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
Average v	veight (g)	-	-	-	-	-	-
No	te	-	-	-	-	-	-
		L			<u> </u>		L

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Ser	ies	XTR	XTR	XTR	SAINT	SAINT	DEORE XT
Mode	el no.	FH-M9111	FH-M9111-B	FH-M9111-BS	FH-M820	FH-M825	FH-M8110
	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
Color	1 Quick release	-	-	-	-	-	-
	2 Hub shell 2 Quick release	-	-	-	-	-	-
De-1		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
Brake		brake	brake	brake	brake	brake	brake
Rear s O.L.D.		12 142	12 148	12 148	11/10/9/8/7 135	11/10/9/8/7 150	12 142
0.2.0.	28H	√	✓	✓	-	-	√
Spoke hole	32H	1	1	-	1	1	✓
40.1.1	36H	-	-	-	1	1	1
10 tooth cog External serration	With	√	√	-	-	-	-
disc brake rotor lock	Without	1	-	1	-	-	1
ring Internal serration	With	-	-	-	_	_	-
Internal serration disc brake rotor lock ring	Without	1	1	1	1	1	1
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixin	g method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Thru	Thru	12 mm E-THRU
	166	-	-	-	-	-	-
	168 170	-	-	-	-	-	-
Ouick release	172	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	-	-	-	-
	174	-	-	-	-	-	-
	176 178	-	-	-	-	-	-
	135 x 10	-	-	-	1	-	-
	135 x 12	-	-	-	1	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	✓	-	-	-	-	1
mm)	148 x 12 150 x 12	-	√	-	-	-	-
	150 X 12	-	-	-	-		-
Flange dist		55.89	63.06	56.0	57.4	72.4	55.17
Offset		7.05	7.02	6.8	6.4	6.6	6.72
P.C.D. left / Flange diameter		50/61 59/70	47.25/61 56.25/70	45/61 51/68.4	44/45 52.8/53.8	44/45 52.8/53.8	61/61 69.8/69.8
riange diameter	MICRO SPLINE	39/10	30.23/70	√	-	-	√ 5.8/05.8
	HG spline L2 (ROAD 12-speed dedicated)			_	_	_	_
1	HG spline I (ROAD						
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
эрине туре	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	✓	✓	-
	HG spline S (7-speed)	_	_		_		_
F				Divert an account		David watch at	
Engagem		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet ✓ (more than 36	Pawl ratchet ✓ (more than 36	Direct engagement
Quick eng	-	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	times/360 deg.)	times/360 deg.)	✓ (max 7.0 deg.)
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	FREEHUB body ease sleeve	Contact -	Contact -	Contact -	Contact ✓	Contact ✓	Contact -
internal gre	Stainless ball	√	√	1	-	-	-
Bearing	Cup	Grinded	Grinded	Grinded	Grinded	Grinded	Polish
	Cone	CBN -	CBN -	CBN -	CBN -	CBN -	CBN+Polish
FREE LUZZ	Cartridge Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Aluminum
FREEHUB body	Finish	Anodized	Anodized	Anodized	-	-	Anodized
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Steel	Anodized Steel	Anodized Aluminum
Axle	Finish	Anodized	Anodized	Anodized	-	-	Anodized
Quick release lever	Material Finish	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
	Finish Material	-	-	-	-	-	-
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-
	Finish i) (w/o axle, guick	Anodized	Anodized	Anodized	Anodized 347 (ø10)	Anodized	-
Average weight (g release noi	lòck ring)	237	238	241	347 (ø10) 333 (ø12)	348	305
No	te			* For straight spoke, Lacing pattern limited to 3-cross, non-offset rim			
				For details, refer to Products Technical Information			

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Ser	ies	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode		FH-M8110-B	FH-M8110-BS	FH-M8130-B	FH-M8000	FH-M8010	FH-M8010-B
ivious	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
Color	1 Quick release	-	-	-	Series color	-	-
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	- CENTED LOCK disa	CENTED LOCK disa	- CENTED LOCK dies	- CENTED LOCK dies	- CENTED LOCK dies	CENTED LOCK 4:
Brake	type	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear s		12	12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D.	` '	148	148	157	135	142	148
Spoke hole	28H 32H	1	-	1	-	-	-
Spoke Hole	36H	1	-	-	-	1	-
10 tooth cog		1	1	1	-	-	-
External serration	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	✓	✓	✓	✓	✓	✓
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	✓	✓	✓	✓
CENTER LOCK mo		-	-	-		-	-
Axle fixin		12 mm E-THRU -	12 mm E-THRU -	12 mm E-THRU -	Quick release	12 mm E-THRU	12 mm E-THRU -
	166 168	-	-	-	-	-	-
	170	-	-	-	-	-	-
Quick release	172	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	1	-	-
	174	-	-	-	-	-	-
	176 178	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	1	-
mm)	148 x 12	✓	1	-	-	-	1
	150 x 12 157 x 12	-	-	-	-	-	-
Flange dist		62.16	55.95	72.69	57.4	57.4	63.4
Offset		6.6	6.78	6.43	6.9	6.4	6.4
P.C.D. left /		60/61	45/61	58/61	44/45	44/45	44/45
Flange diameter		68.8/69.8	51/68.4	66.8/69.8	52.8/53.8	52.8/53.8	52.8/53.8
	MICRO SPLINE	√	1	1	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (RQAD	-	-	-	-	-	-
Spline type	12/11-speed) HG spline M (10/9/						
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	_	-	_	1	1	1
	CS-HG400/HG210)						
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet
	gagement	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	√ (more than 36)	√ (more than 36)	√ (more than 36)
Quick eng					times/360 deg.)	times/360 deg.)	times/360 deg.)
Seal	Hub FREEHUB body	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact
Internal are		-	-	-	✓ ✓	✓ ✓	✓ ✓
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	Polish	Polish	Polish	-	-	-
	Cone	CBN+Polish	CBN+Polish	CBN+Polish	CBN	CBN	CBN
	Cartridge Material	- Aluminum	- Aluminum	- Aluminum	Steel	Steel	Steel
FREEHUB body	Finish	Anodized	Anodized	Anodized	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
HAD SHEII	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
	Material	- Allouizeu	- Anodized	- Anodized	Aluminum	- Anodized	- Allouizeu
Quick release lever	Finish	-	-	-	Anodized	-	-
Quick release	Material	-	-	-	Aluminum	-	-
housing	Finish	-	-	-	Anodized	-	-
Quick release nut	Material Finish	-	-	-	Steel+Resin -	-	-
Disc brake rotor lock	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
Average weight (c release no	g) (w/o axle, quick	307	306	310	331	359	367
No.	-		For straight spoke ERD: 550-610 mm Rim offset: 0-3 mm Intersections: 3 cross only, including spoke heads in hub shell. Some spoke calculators may call this 2 cross. Contact the nearest SHIMANO sales				
			Contact the nearest SHIMANO sales office for more information.				

	ies	SLX	SLX	SLX	DEORE	DEORE	DEORE
Mode		FH-M7110	FH-M7110-B	FH-M7130-B	FH-M6000	FH-M6010	FH-M5100
IVIOUE	1 Hub shell	Series color	Series color	Series color	Series black	Series black	Series black
Color	1 Quick release	-	-	-	Series black	-	Series black
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc
Brake	**	brake	brake	brake	brake	brake	brake
Rear s		12	12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D.	(mm) 28H	142 √	148 √	157 √	135	142	135 -
Spoke hole	32H	· /	1	1	1	1	1
·	36H	✓	1	-	1	-	✓
10 tooth cog		✓	1	1	-	-	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
ring	Without With	✓	✓	1	√	✓	✓
Internal serration disc brake rotor lock	Without	-	-	-	-	1	-
ring CENTER LOCK mo		-	-	-	-	-	-
Axle fixing		12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	Quick release
	166	-	-	-	-	-	-
	168	-	-	-	1	-	✓
Quiek ralaasa	170 172	-	-	-	-	-	-
Quick release skewer length (mm)	172	-	-	-	- -	-	- -
	174	-	-	-	-	-	-
	176	-	-	-	-	-	-
	178 125 v 10	-	-	-	-	-	-
ŀ	135 x 10 135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	1	-	-	-	1	-
inner diameter ; mm)	148 x 12	-	1	-	-	-	-
•	150 x 12	-	-	-	-	-	-
Elango dist	157 x 12	- 55.17	- 62.16	√ 72.69	57.4	57.4	- 55.45
Flange dist Offset		6.72	6.6	6.43	6.6	6.4	7.6
P.C.D. left /		61/61	60/61	58/61	45	44/45	45
Flange diameter		69.8/69.8	68.8/69.8	66.8/69.8	53.8	52.8/53.8	53.8
	MICRO SPLINE	1	√	1	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/						
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	✓	✓	✓
ŀ	HG spline S (7-speed)	_	_	_	_	_	_
Engagem		Direct engagement	Direct engagement	Direct engagement	David ratchet	David ratchet	David ratchet
Engagem		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet ✓ (more than 36	Pawl ratchet
Quick eng	•	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	-	times/360 deg.)	-
Seal	Hub FREEHUB body	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre		Contact -	Contact -	Contact -	Contact ✓	Contact /	Contact ✓
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	Polish	Polish	Polish	-	-	_
9	Cone	CBN+Polish -	CBN+Polish -	CBN+Polish	CBN	CBN	CBN -
	Cartridge Material	- Aluminum	Aluminum	- Aluminum	- Steel	- Steel	Steel
FREEHUB body	Finish	Anodized	Anodized	Anodized	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
5	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Steel -	Steel -	Steel -	Steel -	Steel -	Steel -
Quick rolesse love:	Material	-	-	-	Aluminum	-	Aluminum
Quick release lever	Finish	-	-	-	Painted	-	Painted
Quick release	Material	-	-	-	Aluminum	-	Aluminum
housing	Finish Material	-	-	-	Painted Steel+Resin	-	Painted Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
				i e		i .	
Average weight (g release nor	y) (w/o axle, quick lock ring)	350	354	359	-	-	-

ИТВ

FREEHUB (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FH-MT410	FH-MT410-B	FH-MT401	FH-MT401-B	FH-M525A	FH-M475
	1 Hub shell	Black	Black	Black	Black	Black	Black
Color	1 Quick release	-	-	Black	Black	Black	Black
-	2 Hub shell 2 Ouick release	-	-	-	-	Silver Black	Silver Black
Dl.	,	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc		
Brake	• •	brake	brake	brake	brake	6-bolt disc brake	6-bolt disc brake
Rear s O.L.D.		12 142	12 148	12 135	12 141	11/10/9/8/7 135	11/10/9/8/7 135
O.L.D.	28H	142	√	133	√	-	- 133
Spoke hole	32H	1	1	1	1	1	1
	36H	1	1	1	1	✓	✓
10 tooth cog		✓	1	1	1	-	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
ring	Without With	-	-	-	-	-	-
Internal serration disc brake rotor lock	Without	-	-	-	-	-	-
ring CENTER LOCK mo		-	-	-	-	-	-
Axle fixing		12 mm E-THRU	12 mm E-THRU	Quick release	Quick release	Quick release	Quick release
7 Die Hall	166	-	-	-	-	-	✓ ✓
	168	-	-	1	-	✓	-
	170	-	-	-	-	-	1
Quick release skewer length (mm)	172 173	-	-	-	-	-	-
	174	-	-	-	1	-	-
	176	-	-	-	-	-	-
	178	-	-	-	1	-	-
	135 x 10	-	-	-	-	-	-
Thru avia (langth v	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12 148 x 12	-	-	-	-	-	-
mm)	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange dist		55.17	61.6	55.17	61.6	57.1	57.1
Offset P.C.D. left /		6.72 61/61	6.6 60/61	6.72 61/61	6.6 60/61	6.8 61/61	6.8 61/61
Flange diameter		69.8/69.8	68.8/69.8	69.8/69.8	68.8/69.8	70.6	70.6
J	MICRO SPLINE	✓	1	1	1	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Calling town	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	✓	✓
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng		√ (36 times/360)	√ (36 times/360)	√ (36 times/360)	√ (36 times/360)	-	-
	Hub	deg.) Labyrinth+Contact	deg.) Labyrinth+Contact	deg.) Labyrinth+Contact	deg.) Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	Contact	Contact	Contact	Contact	Contact	-
Internal gre		-	-	-	-	-	-
	Stainless ball Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	CBN	-
	Cartridge	1	1	1	1	-	-
FREEHUB body	Material Finish	Steel	Steel	Steel	Steel	Steel -	Steel -
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted	Painted	Painted	Painted	Anodized	Anodized
Axle	Finish	Steel -	Steel -	Steel -	Steel -	Steel -	Steel -
Quick release lever	Material Finish	-	-	Aluminum Painted	Aluminum Painted	Aluminum Anodized	Steel, Aluminum Plated, Painted
Quick release housing	Material	-	-	Steel	Steel	Aluminum	Steel, Aluminum
housing	Finish	-	-	Painted	Painted	Anodized	Painted, Anodized
Quick release nut	Material Finish	-	-	Steel+Resin -	Steel+Resin -	Steel+Resin -	Steel+Resin
Disc brake rotor lock	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
Average weight (c release noi No		-	-	-	-	-	-
l NO	ric .						

SL

SLMT

SMSL

BL

FD

DD

BR

FC

SMCD

SMCR BB

CS

НВ

WH CI-DECK

SC

SW

RD

FD SMAD

66

ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
el no.	FH-M4050	FH-M3050	FH-MT400	FH-MT400-B	FH-MT200-B
1 Hub shell	Black	Black	Black	Black	Black
1 Quick release	Black	Black	-	-	-
		-	-	-	-
			CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
type	brake	brake	brake	brake	brake
peeds	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
					141
					√
		•	•	- /	1
	-	-	-	-	-
With	-	-	-	-	-
Without	✓	✓	1	1	1
With	-	-	-	-	-
Without	✓	✓	1	1	1
	-	-	-	-	-
g method	Quick release	Quick release	12 mm E-THRU	12 mm E-THRU	Quick release
166		1	-	-	-
168	✓	-	-	-	-
	-	-	-	-	-
			-	-	<i>,</i>
	<u>-</u>			-	-
	-	-	-	-	1
178	-	-	-	-	-
135 x 10	-	-	-	-	-
135 x 12	-	-	-	-	-
		-	•	-	-
		-			-
					-
					63.4
					6.65
right (mm)	45/45	45/45	44/45	44/45	45/45
left / right (mm)	53.8	53.8	52.8/53.8	52.8/53.8	53.8
	-	-	-	-	-
12-speed dedicated)	-	-	-	-	-
HG spline L (ROAD 12/11-speed)	-	-	-	-	-
HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓	1	1	1
HG spline S	-	-	-	-	-
	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
gagement	-	-	√ (more than 36 times/360 deg.)	√ (more than 36 times/360 deg.)	-
Hub	Labyrinth+Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Contact
FREEHUB body	Contact	-	Contact	Contact	-
	✓	-	· · · · · · · · · · · · · · · · · · ·	/	-
		-	-	-	-
		-			-
Cartridge	-	-	-	-	-
Material Finish	Steel -	Steel -	Steel -	Steel -	Steel -
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Finish	Anodized	Anodized	Painted	Painted	Painted
Material	Steel	Steel	Steel	Steel	Steel
					- Stool
					Steel Plated
			-	-	Steel
Finish	Plated	Plated	-	-	Painted
Material	Steel+Resin	Steel+Resin	-	-	Steel+Resin
Finish	-	-	-	-	-
Material	_	-	-	-	-
Finish g) (w/o axle, quick r lock ring)	-	-	-	-	-
	el no. 1 Hub shell 1 Quick release 2 Hub shell 2 Quick release type peeds (mm) 28H 32H 36H 1 compatible With Without With Without Unit cover option g method 166 168 170 172 173 174 176 178 135 x 10 135 x 12 142 x 12 148 x 12 150 x 12 149 x 12 150 x 12 157 x 12 ance (mm) (mm) MICRO SPLINE HG spline L (ROAD) 12-speed dedicated) HG spline L (ROAD) 12-speed, -13-speed, -13-s	el no. FH-M4050 1 Hub shell	Inc.	No. FH-M4050 FH-M3050 FH-M7400 1 Hub shell Black CHURCH CHUR	Section FH-M4050 FH-M3050 FH-M1400 FH-M1400-B FH-M1400-B

ИТВ

SL

SLMT

SMSL

SMCD

SMCR

ВВ

НВ

CI-DECK

SC

SW

RD

FD

SMAD

Toute Quick re Q		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Color	o.	WH-M8100-TL- F15-B-29	WH-M8100-TL- F15-B-275	WH-M8100-TL- R12-B-29	WH-M8100-TL- R12-B-275	WH-M8120-TL- F15-B-29	WH-M8120-TL- F15-B-275
Color	me	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8120-TL	WH-M8120-TL
Toule Quick re		F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-B-29	F15-B-275
Color	1 Hub shell	Black	Black	Black	Black	Series color	Series color
	1 Quick release	-	-	-	-	-	-
Front/Rear Brake type Rear speeds O.L.D. (mm) Wheel size Tire Front/Rear Front/R	2 Hub snell 2 Quick release	-	-	-	-	-	-
Rear speeds		Front	Front	Rear	Rear	Front	Front
Rear speeds		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK dis
O.L.D. (mm) Wheel size Type Recomment Height (Internal wide External wide Rim OFFSET Requires ride Numb Straight J-ben Diameter Axle fixing method Type Typ		brake	brake	brake 12	brake	brake	brake -
Tire		110	110	148	12 148	110	110
Tire Type Recomment Recomment Height (Internal wid External wid Internal wid Inter		622 x 24C (29 inch)	584 x 24C (27.5 inch)	622 x 24C (29 inch)	584 x 24C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inc
Recommend	Туре	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
Internal wid External wid Exte	ecommended size	29 x 2.00 - 2.35	27.5 x 2.00 - 2.35	29 x 2.00 - 2.35	27.5 x 2.00 - 2.35	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60
Rim	Height (mm)	18.8	18.8	18.8	18.8	19.8	19.8
Rim		23.8 27.9	23.8 27.9	23.8 27.9	23.8 27.9	30 34.7	30 34.7
Spokes		Welded	Welded	Welded	Welded	Welded	Welded
Printing	Brazed	- veided	-	-	- vveided	- vveided	-
Spokes	reinforcement						
Spokes	OFFSET RIM	√	/	√	/	/	/
Straight J-ben John J-ben J-ben Jameter J-ben Jameter J-ben Jameter J-ben Jameter	equires rim tape	√ (24-622)	√ (24-584)	√ (24-622)	√ (24-584)	√ (30-584)	√ (30-584)
Axle fixing method	Straight pull	28 •	28 √	28 √	28 ✓	28	28
Diameter	J-bend	-	-	-	-	-	1
Axle fixing method Quick release kewer length (mm) Quick release kewer length (mm) 173 178 110 x 110 x 110 x 142 x 148 x MICRO 53 HG spline L 12/11-sp HG spline L 12/1-sp HG spline L 12/11-sp HG spline L 12/11-spline L 12/11-sp HG spline L 12/11-sp HG s	Diameter (mm)	2-1.5	2-1.5	2-1.5	2-1.5	2.0-1.8	2.0-1.8
Quick release 168		15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU
173	133	-	-	-	-	-	-
178	168	-	-	-	-	-	-
100 x 100 x 110 x 114 x 148		-	-	-	-	-	-
Thru axle (length x 110 x 142 x 142 x 148 x		-	-	-	-	-	-
142 x 148		-	1	-	-	-	1
148 x MICRO Si HG spline L2 12-speed de L2 L2 L2 L2 L2 L3 L3 L3	142 x 12	-	-	-	-	-	-
HG spline L 12-speed de HG spline L 13-speed, 11-speed, CS-HG400/ HG spline	148 x 12	-	-	1	1	-	-
12-speed de	MICRO SPLINE	-	-	1	1	-	-
HG spline L	spline L2 (ROAD	-	-		-	-	_
12/11-sp							
1	12/11-speed)	-	-	-	-	-	-
HG split (7-spect 17-spect	G spline M (10/9/						
HG split (7-spect 17-spect	1-speed, 7-speed	-	-	-	-	-	-
Engagement type Quick engagement	S-HG400/HG210)						
Engagement type	HG spline S (7-speed)	-	-	-	-	-	-
Stainless	: type	-	-	Direct engagement	Direct engagement	-	-
Cup Conc		-	-	√ (max 7.0 deg.)	√ (max 7.0 deg.)	-	-
Cone Cartrid	Stainless ball	✓	✓	-	-	✓	✓
Cartrid		CBN	CBN	- CBN+Polish	- CBN+Polish	CBN	CBN
Seal Hub Internal grease sleeve Mater Rim Mater Spoke Finisi Nipple Mater Finisi Finisi FREEHUB body Mater Hub shell Mater Finisi Mater Finisi Mater Quick release lever Finisi Quick release Mater Housing Finisi Quick release Mater Finisi Finisi		- CDIN	- CDIN	- CDINTFOIISII	- CDINTFOIISII	- CBIN	- CDIN
Internal grease sleeve Rim Mater Spoke Finisi Nipple Mater Finisi FREEHUB body Finisi Hub shell Mater Axle Finisi Mater Quick release lever Colo Quick release Mater housing Mater Finisi Mater Finisi Mater Colo Quick release lever Finisi Colo Quick release Mater Hub Shell Finisi Mater Finisi Mater Finisi Mater Colo Quick release lever Finisi Colo Quick release Mater Finisi Mater		Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Conta
Rim Mater Finisi Spoke Finisi Nipple Mater FREEHUB body Mater Finisi Hub shell Mater Finisi Axle Finisi Mater Quick release lever housing Finisi Ouick release Mater housing Finisi Ouick release Mater Colo	FREEHUB body	-	-	Contact	Contact	-	-
Spoke Finisi Spoke Mater Finisi Nipple Mater Finisi FREEHUB body Finisi Hub shell Finisi Axle Finisi Mater Quick release lever Colo Quick release Mater housing Finisi Outly release nut Mater		1	1	-	-	1	1
Spoke Finis Mater Finis Nipple Finis Mater Finis FREEHUB body Finis Hub shell Mater Finis Axle Mater Finis Mater Finis Cuick release lever Colo Quick release Mater housing Finis Outch release nut Mater	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Spoke Finisi Nipple Mater Finisi FREEHUB body Finisi Hub shell Mater Finisi Axle Mater Finisi Mater Finisi Mater Finisi Colo Quick release lever Colo Quick release Mater housing Finisi Coulch release Mater	Finish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Nipple Finisi Nater FREEHUB body Finisi Hub shell Mater Finisi Axle Finisi Mater Quick release lever Colo Quick release Mater housing Finisi Colo Quick release Mater housing Finisi Colo Quick release Mater Mater	Material Finish	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
FREEHUB body FREEHUB body Hub shell Axle Finisi Mater Finisi Mater Finisi Mater Cuick release lever Colo Quick release Mater housing Finisi Couch release Mater housing Finisi Couch release nut Mater	Material	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum
TREEHUB body	Finish	Black	Black	Black	Black	Black	Black
Hub shell Finisi Axle Finisi Axle Finisi Mater Finisi Mater Colo Quick release lever Colo Quick release Mater housing Finisi Ouick release Mater Mater	Material	-	-	Aluminum	Aluminum	-	- DidCK
Axle Finisi Axle Finisi Mater Mater Quick release lever Finisi Colo Quick release Mater housing Finisi Quick release Mater housing Mater	Finish	-	-	-	-	-	-
Axle Hase Pinisi Axle Finisi Mater Quick release lever Colo Quick release Mater housing Finisi Quick release put Mater	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Axie Finisi Mater Quick release lever Colo Quick release Mater housing Finisi Quick release nut Mater	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever Finis Colo Quick release Mater housing Finis Quick release Mater	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Quick release lever Finisi Colo Quick release Mater housing Finisi Quick release put Mater	Material	Anodized -	Anodized	Anodized -	Anodized	Anodized -	Anodized -
Colo Quick release Mater housing Finisi Quick release put Mater	Finish	-	-	-	-	-	-
Quick release Mater housing Finis Quick release put Mater	Color	-	-	-	-	-	-
Quick release put Mater	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
	Material Finish	-	-	-	-	-	-
	Finish	CATEYE	CATEVE		CATEVE	CATEYE	
JIS/CP	JIS/CPSC	RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	CATEYE RR-550-WUW SV
Reflector AS	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SV
		CATEVE	CATEVE	CATEVE	CVEC-NY 2AA	CATEVE	CATEVE
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SV
verage weight (g) (w/o quick rele ape, tubeless tape, valve stem, lo		846	808	994	956	941	875

	ries	DEORE XT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-M8120-TL- R12-B-29	WH-M8120-TL- R12-B-275	WH-MT620-TL- F15-B-29	WH-MT620-TL- F15-B-275	WH-MT620-TL- R12-B-29	WH-MT620-TL- R12-B-275
Model	name	WH-M8120-TL	WH-M8120-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL
Specif		R12-B-29	R12-B-275	F15-B-29	F15-B-275	R12-B-29	R12-B-275
	1 Hub shell	Series color	Series color	Black	Black	Black	Black
Color	1 Quick release 2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front		Rear	Rear	Front	Front	Rear	Rear
Brake	type	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear s	peeds	12	12	-	-	12	12
O.L.D.		148	148	110	110	148	148
Whee	el size Type	622 x 30C (29 inch) Tubeless	584 x 30C (27.5 inch) Tubeless	622 x 30C (29 inch) Tubeless	584 x 30C (27.5 inch) Tubeless	622 x 30C (29 inch) Tubeless	584 x 30C (27.5 inch) Tubeless
Tire	Recommended size	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60	29 x 2.25 - 2.60	27.5 x 2.25 - 2.60
	Height (mm)	19.8	19.8	19.8	19.8	19.8	19.8
	Internal width (mm)	30	30	30	30	30	30
	External width (mm) Rim joint	34.7 Welded	34.7 Welded	34.7 Welded	34.7 Welded	34.7 Welded	34.7 Welded
Rim		- vveided	-	- vveided	-	- vveided	- vveided
	Brazed reinforcement						
	OFFSET RIM	√ (30-622)	√ (30-584)	✓ ✓ (30-584)	√ (30-584)	√ (30-584)	√ (30-584)
	Requires rim tape Number	28	28	24	24	24	24
Snokos	Straight pull	-	-	-	-	-	-
Spokes	J-bend	1	/	1	1	1	1
Axle fixin	Diameter (mm)	2.0-1.8	2.0-1.8	- 15 mm E TUDII	- 15 mm E TUDII	- 12 mm E TUDII	- 12 mm E-THRU
AXIE TIXIN	g metnoa 133	12 mm E-THRU -	12 mm E-THRU -	15 mm E-THRU -	15 mm E-THRU -	12 mm E-THRU -	12 IIIIII E-I HKU -
Ouick release	168	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	-	-	-	-
	178 100 x 15	-	-	-	-	-	-
Thru axle (length x	110 x 15	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	-	-	-	-	-
	148 x 12	✓	1	-	-	✓	1
	MICRO SPLINE	1	√	-	-	√	✓
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (RQAD	-	-	-	-	-	-
Spline type	12/11-speed) HG spline M (10/9/						
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	ĊŚ-ĤĞĂŎÓ/HĞŽŤŎ)						
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen	ent type	Direct engagement	Direct engagement	-	-	Pawl ratchet	Pawl ratchet
Quick eng	gagement	√ (max 7.0 deg.)	√ (max 7.0 deg.)	-	-	-	-
	Stainless ball Cup	-	-	-	-	-	-
Bearing	Cone	CBN+Polish	CBN+Polish	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	
				zabjimen contact	Lubjiiiiiii Contact		Labyrinth+Contact
Internal or	FREEHUB body ease sleeve	Contact	Contact -	-	-	Contact	Labyrinth+Contact Contact
Internal gr				- Aluminum	- Aluminum		
Internal gr Rim	ease sleeve Material Finish	Contact - Aluminum Painted	Contact - Aluminum Painted	- - Aluminum Painted	- - Aluminum Painted	Contact - Aluminum Painted	Contact
	ease sleeve Material Finish Material	Contact	Contact - Aluminum Painted Stainless steel	- Aluminum Painted Stainless steel	- Aluminum Painted Stainless steel	Contact	Contact - Aluminum Painted Stainless steel
Rim Spoke	ease sleeve Material Finish Material Finish	Contact	Contact - Aluminum Painted	- Aluminum Painted Stainless steel Black	- Aluminum Painted Stainless steel Black	Contact	Contact - Aluminum Painted Stainless steel Black
Rim	ease sleeve Material Finish Material Finish Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black	Contact	- Aluminum Painted Stainless steel	- Aluminum Painted Stainless steel	Contact Aluminum Painted Stainless steel Black Brass Black	Contact
Rim Spoke Nipple	ease sleeve Material Finish Material Finish Material Finish Material Finish Material	Contact	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	Aluminum Painted Stainless steel Black Brass	Aluminum Painted Stainless steel Black Brass	Contact	Contact
Rim Spoke	ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	Aluminum Painted Stainless steel Black Brass Black -	Aluminum Painted Stainless steel Black Brass Black	Contact Aluminum Painted Stainless steel Black Brass Black Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel
Rim Spoke Nipple	ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum	Aluminum Painted Stainless steel Black Brass Black Aluminum	Aluminum Painted Stainless steel Black Brass Black Aluminum	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum
Rim Spoke Nipple FREEHUB body Hub shell	ease sleeve Material Finish Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Aluminum Painted Stainless steel Black Brass Black -	Aluminum Painted Stainless steel Black Brass Black	Contact Aluminum Painted Stainless steel Black Brass Black Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel
Rim Spoke Nipple FREEHUB body	ease sleeve Material Finish Mish Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle	ease sleeve Material Finish Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell	ease sleeve Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	ease sleeve Material Finish Color Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black	Aluminum Painted Stainless steel Black Brass Black	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle	ease sleeve Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel - - - - - - - - - - - - -	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	ease sleeve Material Finish Color Material Finish Material Finish Material Finish Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized	Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact
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Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	ease sleeve Material Finish Color Material Finish Material Finish Material Finish Material	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Contact	Aluminum Painted Stainless steel Black Brass Black	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	ease sleeve Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized	Contact	Aluminum Painted Stainless steel Black Brass Black	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	ease sleeve Material Finish Color Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	ease sleeve Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black	Aluminum Painted Stainless steel Black Brass Black	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	ease sleeve Material Finish Color Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized	Aluminum Painted Stainless steel Black Brass Black	Aluminum Painted Stainless steel Black Brass Black	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock ring	ease sleeve Material Finish Color Material Finish Color Material Finish	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Aluminum Anodized	Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Aluminum Painted Stainless steel Black Brass Black Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel Aluminum Painted Steel	Contact Aluminum Painted Stainless steel Black Brass Black Steel - Aluminum Painted Steel

ИТВ

SL

SLMT

SMSL

SMCD

SMCR

ВВ

FH

CI-DECK

SC

SW

RD

FD

SMAD

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-MT601-TL- F15-29	WH-MT601-TL- R12-29	WH-MT601-TL- F15-275	WH-MT601-TL- R12-275	WH-MT601-TL- F15-B-29	WH-MT601-TL- R12-B-29
Model	name	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL
Specifi	cation	F15-29	R12-29	F15-275	R12-275	F15-B-29	R12-B-29
	1 Hub shell	Black	Black	Black	Black	Black	Black
Color	1 Quick release	-	-	-	-	-	-
	2 Hub shell	-	-	-	-	-	-
Front	2 Quick release /Rear	Front	Rear	Front	Rear	Front	Rear
		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
Brake	• •	brake	brake	brake	brake	brake	brake
Rear s		100	12	100	12	- 110	12
O.L.D. Whee		100 622 x 25C (29 inch)	142 622 x 25C (29 inch)	100 584 x 25C (27.5 inch)	142 584 x 25C (27.5 inch)	110 622 x 25C (29 inch)	148 622 x 25C (29 inch)
	Туре	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
Tire	Recommended size	29 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	29 x 2.00 - 2.40
	Height (mm)	20.8	20.8	20.8	20.8	20.8	20.8
	Internal width (mm)	25	25	25	25	25	25
	External width (mm)	29.7	29.7	29.7	29.7	29.7	29.7
Rim	Rim joint Brazed	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	reinforcement	-	-	-	-	-	-
[OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	√ (25-622)	√ (25-622)	√ (25-584)	√ (25-584)	√ (25-622)	√ (25-622)
ļ	Number Ctraight and	24	24	24	24	24	24
Spokes	Straight pull J-bend	-	-	-	-	- /	-
ŀ	Diameter (mm)	2.3	2.3	2.3	2.3	2.3	2.3
Axle fixing		15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU
	133	-	-	-	-	-	-
Quick release skewer length (mm)	168	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	-	-	-
	178	-	-	-	-	-	-
Thru axle (length x	100 x 15 110 x 15	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	- ·	-	-		_
''''''	148 x 12	-	-	-	-	-	J
	MICRO SPLINE	-	1	-	1	-	1
l	HG spline L2 (ROAD	_		_	-	-	_
	12-speed dedicated)	-		-	-		-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	UG coling M (10/0/						
	8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick eng	agement	_	√ (36 times/360)	_	√ (36 times/360)	_	√ (36 times/360)
	Stainless ball	-	deg.)	-	deg.)	-	deg.)
	Cup	-	-	-	-		
Bearing	Cone	-	-	-	-	-	-
	Cartridge						
Seal	cartriage	1	1	✓	✓	✓	1
	Hub	✓ Labyrinth+Contact	✓ Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	✓ Labyrinth+Contact	
	Hub FREEHUB body	Labyrinth+Contact -		Labyrinth+Contact -		Labyrinth+Contact	1
Internal gre	Hub FREEHUB body ease sleeve	Labyrinth+Contact - -	Labyrinth+Contact Contact	Labyrinth+Contact - -	Labyrinth+Contact Contact	Labyrinth+Contact - -	Labyrinth+Contact Contact -
	Hub FREEHUB body ease sleeve Material	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum
Internal gre	Hub FREEHUB body ease sleeve	Labyrinth+Contact Aluminum Painted	Labyrinth+Contact Contact - Aluminum Painted	Labyrinth+Contact Aluminum Painted	Labyrinth+Contact Contact - Aluminum Painted	Labyrinth+Contact Aluminum Painted	Labyrinth+Contact Contact - Aluminum Painted
Internal gre	Hub FREEHUB body ease sleeve Material Finish	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum	Labyrinth+Contact Aluminum	Labyrinth+Contact Contact - Aluminum
Internal gre Rim Spoke	Hub FREEHUB body ease sleeve Material Finish Material	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass
Internal gre	Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Aluminum Painted Stainless steel Black	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Aluminum Painted Stainless steel Black	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated
Internal gre Rim Spoke	Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Material Finish Material	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated -	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated -	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel
Internal gre Rim Spoke Nipple FREEHUB body	Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel
Internal gre Rim Spoke Nipple	Hub FREEHUB body ease sleeve Material Finish Material	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum	Aluminum Painted Stainless steel Black Brass Plated - Aluminum Aluminum	Labyrinth+Contact Contact
Internal gre Rim Spoke Nipple FREEHUB body Hub shell	Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel
Internal gre Rim Spoke Nipple FREEHUB body	Hub FREEHUB body ease sleeve Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle	Hub FREEHUB body aase sleeve Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell	Hub FREEHUB body ease sleeve Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	Hub FREEHUB body aase sleeve Material Finish Finish Material Finish Material Finish Material Finish Color	Labyrinth+Contact - Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact - Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum Painted Aluminum	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated - Aluminum Painted Aluminum	Labyrinth+Contact Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	Hub FREEHUB body aase sleeve Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing	Hub FREEHUB body aase sleeve Material Finish Finish Material Finish Material Finish Material Finish Color	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	Hub FREEHUB body aase sleeve Material Finish Finish Material Finish	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	Hub FREEHUB body aase sleeve Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact Aluminum Painted Stainless steel Black Brass Plated Aluminum Painted Aluminum	Labyrinth+Contact Contact
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	Hub FREEHUB body aase sleeve Material Finish Color Material Finish Material Finish Cipiish Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	Hub FREEHUB body aase sleeve Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact - Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock ring	Hub FREEHUB body aase sleeve Material Finish Color Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact
Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	Hub FREEHUB body aase sleeve Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel - CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock ring	Hub FREEHUB body aase sleeve Material Finish Color Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel - Aluminum Painted Steel - CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW
Internal gre Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Disc brake rotor lock	Hub FREEHUB body aase sleeve Material Finish Color Material Finish Color Material Finish	Labyrinth+Contact	Labyrinth+Contact Contact	Labyrinth+Contact	Labyrinth+Contact Contact Aluminum Painted Stainless steel Black Brass Plated Steel Aluminum Painted Steel	Labyrinth+Contact	Labyrinth+Contact Contact

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-MT601-TL- F15-B-275	WH-MT601-TL- R12-B-275	WH-MT501-CL- R12-B-29	WH-MT501-CL- R12-B-275	WH-MT500-CL-F-275	WH-MT500-CL-R-275
Model	name	WH-MT601-TL	WH-MT601-TL	WH-MT501-CL	WH-MT501-CL	WH-MT500-CL	WH-MT500-CL
Specif		F15-B-275	R12-B-275	R12-B-29	R12-B-275	F-275	R-275
	1 Hub shell	Black	Black	Black	Black	Black	Black
Color	1 Quick release	-	-	-	-	Black	Black
60.01	2 Hub shell	-	-	-	-	-	-
Front	2 Quick release	- Front	Rear	Rear	Rear	Front	- Rear
		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
Brake	type	brake	brake	brake	brake	brake	brake
Rear s		-	12	12	12	-	11/10/9/8/7
O.L.D. Whee	` '	110 584 x 25C (27.5 inch)	148 584 x 25C (27.5 inch)	148 622 x 24C (29 inch)	148 584 x 24C (27.5 inch)	100 584 x 24C (27.5 inch)	135 584 x 24C (27.5 inch)
	Type	Tubeless	Tubeless	Clincher	Clincher	Clincher	Clincher
Tire	Recommended size	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40
	Height (mm)	20.8	20.8	21	21	21	21
	Internal width (mm)	25	25	24	24	24	24
	External width (mm)	29.7	29.7	29.6	29.6	29.6	29.6
Rim	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	√ (25-584)	√ (25-584)	√ (24-622)	√ (24-584)	√ (24-584)	√ (24-584)
	Number Straight pull	24	24 -	24	24	24	24
Spokes	Straight pull J-bend	-	-	-	-	-	-
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3	2.3
Axle fixin	g method	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	Quick release
	133	-	-	-	-	1	-
Quick release skewer length (mm)	168	-	-	-	-	-	1
skewer length (mm)	173	-	-	-	-	-	1
	178 100 x 15	-	-	-	-	-	-
Thru axle (length x inner diameter ;	110 x 15	,	-	-	-	-	-
inner diameter ; mm)	142 x 12	-		-	-	-	-
111111/	148 x 12	-	✓	1	1	-	-
	MICRO SPLINE	-	1	✓	1	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	_	-
	HG spline L (RQAD	_	_	_	_	_	-
Spline type	12/11-speed)	-	-	-	-	-	-
Spille type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	1
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen	nent type	-	Pawl ratchet	Pawl ratchet	Pawl ratchet	-	Pawl ratchet
	gagement	_	✓ (36 times/360	_	_	_	_
Quick en			deg.)				
	Stainless ball Cup	-	-	-	-	-	-
Bearing	Cone	-	-	CBN	CBN	CBN	CBN
	Cartridge	1	✓	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	-	Contact	Contact	Contact	-	-
_	ease sleeve Material	Aluminum	Aluminum	- Aluminum	Aluminum	Aluminum	Aluminum
Rim	Material Finish	Aluminum Painted	Aluminum Painted	Anodized	Aluminum Anodized	Anodized	Aluminum Anodized
C 1	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Spoke	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material	Brass	Brass	Brass	Brass	Brass	Brass
	Finish Material	Plated	Plated	Black	Black	Black	Black
FREEHUB body	Material Finish	-	Steel	Steel -	Steel	-	-
116. 1. 11	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Axle	Material	Aluminum	Steel	Steel	Steel	Steel	Steel
,	Finish	-	-	-	-	A1	- Al.,
Quick release lever	Material Finish	-	-	-	-	Aluminum Painted	Aluminum Painted
Quick release lever	Color	-	-	-	-	Black	Black
Ouick release	Material	-	-	-	-	Steel	Steel
Quick release housing	Finish	-	-	-	-	Painted	Painted
Quick release nut	Material	-	=	-	-	Steel+Resin	Steel+Resin
_	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material Finish	-	-	-	-	-	-
····•		CATEYE	CATEYE	CATEYE		CATEYE	CATEYE
	JIS/CPSC	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	Divi	CATEYE	CATEYE	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	SW	SW	SW	SW
Average weight (g) (v	w/o quick release, rim valve stem, lock ring)	888	1199	1260	1208	962	1147
							*** Spoke protector
No	ote					-	*** Spoke protector is available only for 9 & 10-speed

ИТВ

SL

SLMT

SMSL

SMCD

SMCR

ВВ

FH

CI-DECK

SC

SW

RD

FD

SMAD

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-MT500-CL- F15-275	WH-MT500-CL- R12-275	WH-MT500-CL- F15-B-275	WH-MT500-CL- R12-B-275	WH-MT500-CL-F-29	WH-MT500-CL-R-29
Model	name	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specifi		F15-275	R12-275	F15-B-275	R12-B-275	F-29	R-29
	1 Hub shell	Black	Black	Black	Black	Black	Black
Color	1 Quick release 2 Hub shell	-	-	-	-	Black	Black
	2 Quick release	-	-	-	-	-	-
Front		Front	Rear	Front	Rear	Front	Rear
Brake		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
		brake	brake	brake	brake	brake	brake
Rear s O.L.D.		100	11/10/9/8/7 142	110	11/10/9/8/7 148	100	11/10/9/8/7 135
Whee		584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	584 x 24C (27.5 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)
	Type	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
Tire	Recommended size	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	27.5 x 2.00 - 2.40	29 x 2.00 - 2.35	29 x 2.00 - 2.35
	Height (mm)	21	21	21	21	21	21
	Internal width (mm)	24	24	24	24	24	24
	External width (mm)	29.6	29.6	29.6	29.6	29.6	29.6
Rim	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-
l	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	√ (24-584)	√ (24-584)	√ (24-584)	√ (24-584)	√ (24-622)	√ (24-622)
	Number	24	24	24	24	24	24
Spokes	Straight pull	-	-	-	-	-	-
-pones	J-bend	/	✓	✓	/	√	✓
Axle fixin	Diameter (mm)	2.3	2.3	2.3 15 mm E-THRU	2.3 12 mm E-THRU	2.3 Ouick release	2.3 Ouick release
Axie fixin	g metnoa 133	15 mm E-THRU -	12 mm E-THRU	- 15 MM E-1HKU	12 MM E-1HKU -	Quick release	Quick release
Ouiek volessa	168	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	-	-	-	1
J,	178	-	-	-	-	-	-
	100 x 15	1	-	-	-	-	-
Tḥru axle (length x	110 x 15	-	-	1	-	-	-
inner diameter ; mm)	142 x 12	-	1	-	-	-	-
,	148 x 12	-	-	-	✓	-	-
	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	1	-	1	-	✓
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick end		-	-	-	-	-	-
,	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
Dearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	FREEHUB body	-	Contact	-	Contact	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rim	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Cnalia	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Spoke	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material	Brass	Brass	Brass	Brass	Brass	Brass
	Finish	Black	Black	Black	Black	Black	Black
FREEHUB body	Material	-	Steel	-	Steel	-	-
	Finish Material	- Aluminum	Aluminum	Aluminum	Aluminum	- Aluminum	- Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted	Painted	Painted
A! -	Material	Aluminum	Steel	Aluminum	Steel	Steel	Steel
Axle	Finish	Anodized	-	Anodized	-	-	-
	Material	-	-	-	-	Aluminum	Aluminum
Quick release lever	Finish	-	-	-	-	Painted	Painted
	Color	-	-	-	-	Black	Black
Quick release housing	Material Finish	-	-	-	-	Steel Painted	Steel Painted
	Material	-	-	-	-	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	Steel	-	Steel	-	-	-
ring	Finish	Painted	-	Painted	-	-	-
-	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
ļ	313/CF3C	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
ł	D.I.	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WIJA
	DIN	CATEYE RR317-WUA	CATEYE RR317-WUA SW	SW	CATEYE RR317-WUA	SW SW	CATEYE RR317-WUA SW
	w/o quick release, rim	936	1133	946	1145	1013	1200
Average weight (g) (v	valve stem lock ring)						
Average weight (g) (v tape, tubeless tape, v	valve'stem, lock ring)		*** Spoke protector is available only for 9 & 10-speed		*** Spoke protector is available only for 9 & 10-speed		

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-MT500-CL- F15-29	WH-MT500-CL- R12-29	WH-MT500-CL- F15-B-29	WH-MT500-CL- R12-B-29
Model name		WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specifi		F15-29	R12-29	F15-B-29	R12-B-29
.,	1 Hub shell	Black	Black	Black	Black
Color	1 Quick release	-	-	-	-
Coloi	2 Hub shell	-	-	-	-
Fuend	2 Quick release	- Frant	- Daar	- Frank	- Dees
Front	/Kear	Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc
Brake	type	brake	brake	brake	brake
Rear s	peeds	-	11/10/9/8/7	-	11/10/9/8/7
O.L.D.		100	142	110	148
Whee		622 x 24C (29 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)	622 x 24C (29 inch)
Tire	Type	Clincher	Clincher	Clincher	Clincher
	Recommended size Height (mm)	29 x 2.00 - 2.35 21	29 x 2.00 - 2.35 21	29 x 2.00 - 2.35 21	29 x 2.00 - 2.35 21
	Internal width (mm)	24	24	24	24
ŀ	External width (mm)	29.6	29.6	29.6	29.6
D:	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve
Rim	Brazed		5.0070	5.0000	3,000
	reinforcement	-	-	-	-
	OFFSET RIM	-	-	-	-
	Requires rim tape	√ (24-622)	√ (24-622)	√ (24-622)	√ (24-622)
	Number Straight pull	24	24	24	24
Spokes	Straight pull J-bend	-	-	-	-
ŀ	Diameter (mm)	2.3	2.3	2.3	2.3
Axle fixin		15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU
FAIC HAIII	133	-	-	-	-
Quick release	168	-	-	-	-
skewer length (mm)	173	-	-	-	-
	178	-	-	-	-
	100 x 15	✓	-	-	-
Thru axle (length x inner diameter;	110 x 15	-	-	√	-
mm)	142 x 12	-	✓	-	-
	148 x 12	-	-	-	✓
	MICRO SPLINE	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-
	HG spline L (ROAD				
Calina tuma	HG spline L (ROAD 12/11-speed)	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)		_		_
	11-speed, 7-speed	-	✓	-	✓
	CS-HG400/HG210)				
	HG spline S (7-speed)	-	-	-	-
Engagem		-	Pawl ratchet	-	Pawl ratchet
Quick eng	agement	-	-	-	-
	Stainless ball	-	-	-	-
Bearing	Cup	-	-	-	-
•	Cone	CBN	CBN	CBN	CBN
	Cartridge	Laburinth Contact	- Laburinth - Contact	Laburinth Contact	Laburinth Contact
Seal	Hub FREEHUB body	Labyrinth+Contact	Labyrinth+Contact Contact	Labyrinth+Contact	Labyrinth+Contact Contact
Internal gre		1	✓ ✓	1	J
	Material	Aluminum	Aluminum	Aluminum	Aluminum
Rim	Finish	Anodized	Anodized	Anodized	Anodized
Cnalia	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Spoke	Finish	Black	Black	Black	Black
Nipple	Material	Brass	Brass	Brass	Brass
.sippic	Finish	Black	Black	Black	Black
FREEHUB body	Material	-	Steel	-	Steel
,	Finish	- Aluminum	- Aluminum	Aluminum	Aluminum
Hub shell	Material Finish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
	Material	Aluminum	Steel	Aluminum	Steel
Axle	Finish	Anodized	- -	Anodized	-
	Material	-	-	-	-
Quick release lever	Finish	-	-	-	-
	Color	-	-	-	-
Quick release housing	Material	-	-	-	-
housing	Finish	-	-	-	-
Quick release nut	Material	-	-	-	-
	Finish	-	-	-	-
Disc brake rotor lock	Material	Steel	-	Steel	-
ring	Finish	Painted	-	Painted	CATEVE
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
	۸۲		CATEYE		CATEYE
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR317-WUA SW	CATEYE RR317-WUA SW	CATEYE RR317-WUA	CATEYE RR317-WUA
l	יווע				
Average weight (g) (v tape, tubeless tape, v		988	1186	998	1199

ИТВ

CI-DECK

Series		CI-DECK	CI-DECK	CI-DECK	CI-DECK	CI-DECK	CI-DECK
Model no.		ID-CI300-7R	ID-CI300-6R	ID-CI300-LC	ID-CI400	SM-CI300	SM-CI301
Compatib	Compatible shifter		SL-RS34/RS35/RS36/ RS45/RS47	-	-	-	-
Front s	Front speeds		-	-	-	-	-
Rear s	Rear speeds		6	-	-	-	-
Shifter compatible	Shifter compatible rear derailleur type		Top normal	-	-	-	-
CI-DECI	CI-DECK cable		Stainless steel	-	-	-	-
CI-DECK cable type		TX50	TX50	-	-	-	-
OPTICAL GEAR DISPLAY	Front	-	-	-	-	-	-
	Rear	7-speed	6-speed	-	-	-	-
Clamp band diameter (mm)	22.2	-	-	-	-	-	-
	25	-	-	-	-	-	-
	22.2/25.0	-	-	-	-	1	-
CI-DECK upper cover	Material	Resin	Resin	Resin	-	-	-
	Color	Painted	Painted	Painted	-	-	-
CI-DECK body	Material	Resin	Resin	Resin	-	-	-
	Color	-	-	-	-	-	-
Clamp band -	Material	-	-	-	-	Resin	-
	Color	-	-	-	-	-	-
Note		Use with SM-CI300	Use with SM-Cl300	Accessory cover, use with SM-CI300	Analog compass, use with SM-CI300	Bracket for ID-CI300/ ID-CI400/SC-CI300	Cowling use with SM-Cl300

SLMT

SL

SMSL

BL

BL

RD

FD BR

BR

BR

FC

SMCD

SMCR

BB

НВ

FH

WH

....

SC

SW

RD

FD

SMAD

sc

Cycle Computer (CI-DECK)

Ser	CI-DECK			
Mode	SC-CI300			
Compatib	Mechanical			
	Handlebar			
	Attachment position Battery type			
Charging for c		CR2032		
Fronts		-		
Rear s	-			
Number of progra	-	1		
Wheel size i		16-26		
	_	-		
Remote				
Commur		Wired		
Memory		-		
PC softwar		-		
Detac		,		
	Size (mm ; active area)	20 x 20		
	Font type	Segment		
Display spec	Panel type	LCD		
	Back light	-		
	Touch panel	-		
	Gear indicator	-		
	Speed	1		
	Cadence	-		
	Trip distance	-		
	Odometer	1		
	Heart rate	-		
Display function	Power	-		
	Time/Clock	✓		
	Altitude/Slope	-		
	Temperature	-		
	Lap time	-		
	Auto display start	1		
	Display customizing	-		
	Unit setting	-		
Setting function	Language choice	-		
Security runction	Beep on/off	-		
	Changing data sampling rate	-		
No	Use with SM-CI300			

Shift Switch

Series			DEORE XT	DEORE XT	DEORE XT	DEORE XT
Model no.			SW-M8150-R	SW-M8150-IR	SW-M8050-R	SW-M8050-L
Switc	Switch type			Adjustable lever position	FIREBOLT	FIREBOLT
Posi	Position			I-SPEC EV	Clamp band, Right	Clamp band, Left
Di2 connectivity wired	Di2 shifting		1	1	1	1
Di2 connectivity wireless	Di2 shifting		-	-	-	-
Button nui	Button numbers (pcs)		3	3	2	2
Maste	er unit		-	-	-	-
Firmware update l	Firmware update by E-TUBE PROJECT			1	1	1
SD50 p	ort (pcs)		0	0	1	1
SD300 p	SD300 port (pcs)		1	1	0	0
SD50 conn	nector (pcs)		0	0	0	0
SD300 con	nector (pcs)		0	0	0	0
	Default function		RD outward	RD outward	RD outward	FD outward
	Multiple input	2 step	-	-	-	-
Switch1		Hold	✓	✓	✓	-*(✔)
	Adjustable lever position		1	1	-	-
	Default function		RD inward	RD inward	RD inward	FD inward
	Multiple input	2 step	-	-	-	-
Switch2		Hold	1	1	1	-*(✔)
	Adjustable lever position		1	✓	-	-
	Default function		Auto on/off	Auto on/off	-	-
Switch3	Multiple input	2 step	-	-	-	-
		Hold	1	1	-	-
Suspension switch		-	-	-	-**(✔)	
Battery			-	-	-	-
LED Shimano system status		-	-	-	-	
Average weight (g)			81	77	93	93
Note						* User can use it for rear derailleur multishift ** User can use it for Suspension control

SL

SLMT

SMSL

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RD

FD SMAD

SC

Rear Derailleur

Series		XTR	DEORE XT	DEORE XT	DEORE XT	
Mod	Model no.		RD-M9050-SGS	RD-M8150-12	RD-M8150-11	RD-M8050-GS
Color	Color 1 2		Series color	Series color	Series color	Series color
Rear	speeds ible chain	-	11 LINKGLIDE, HG 11-speed	12 HG 12-speed	11 LINKGLIDE, HG 11-speed	11 LINKGLIDE, HG 11-speed
Compac	SHIMANO	SHADOW	-	-	-	-
RD construction SHIMANO SHADOW RD+		✓	✓	1	1	
	SHIMAN O MTB		- -	- /	-	-
Amuliashis	type	(convent ional) Direct mount	✓	-	-	1
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional) Direct	-	-	-	-
	UDH st	mount	-	-	-	-
Mode c	onverter adjuster t difference apacity		-	- -	- -	-
Max. from Total o	t difference apacity		18T 41T**	0T 41T	0T 39T	10T 35T **
Low sprocket	M	ax.	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	51T	50T	42T (2x11-speed), 46T
	M M	lin. ax.	401	51T 10T 10T	50T 11T	(1x11-s'peed) 40T 11T
Top sprocket Fluoric coated	d link bushir	ax. lin. ngs	11T 11T 4	10T 3	11T 11T 3	11T 11T 4
	l Guide	pulley aring n pulley	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
Pulley	L bea	irina	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
laney	l Screws	eth material	11T Stainless steel	13T Stainless steel	13T Stainless steel	11T Stainless steel
	Sunken to	ype pulley rew	✓	✓	✓	√
Bracket	Mat Fir	terial nish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
B-axle	Hollo Mat	w axle terial	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
	Hollo	nish w axle	Anodized ✓ Aluminum	Anodized ✓ Aluminum	✓	✓
B-axle 2	<u>Mat</u> Fir	terial nish terial	Aluminum Anodized Aluminum	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized Aluminum
Bracket body	l tır	nish	Aluminum Painted Steel	Anodized Aluminum Painted Steel	Anodized Aluminum Painted Steel	Aluminum Painted Steel
P-axle	Mat Fir	terial nish	-	_	<u>-</u>	_
Plate body	Mat Fir	terial nish	CFRP Painted	GFRP -	GFRP -	GFRP -
Outer link	Mat Fir	terial nish	Aluminum Anodized	Aluminum Painted	Aluminum Painted	Aluminum Painted
Inner link	Mat Fir	terial nish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Steel Painted
Outer plate	Mat Fir	terial nish	<u>Carbon</u> Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
Inner plate	Mat Fir	terial nish	Aluminum Anodized	Aluminum Painted	Aluminum Painted	Aluminum Anodized
Cable fixing screw	Mat Fir	terial nish	-	-	-	-
Stroke adjusting screw	Mat	terial nish	-	-	-	-
Di2 connectivity wired	Di2 sl	hifting	✓	✓	1	1
	Di2 sl Bluetoot h® LE	hifting Cycling power	-	-	-	-
	h® LE ANT+	l Bicvcle	-	-	-	-
		power Adjust mode informat ion Di2	-	-	-	-
		battery level		-	<u>-</u>	
	Bluetoot h® LE custom (*1)	Gear position SHIMAN O E-BIKE SYSTEM S data	-	-	-	-
Di2 connectivity wireless	(")	items (*3) Compati ble with E-TUBE RIDE	-	-	-	-
		RIDE Compati ble with E-TUBE PROJECT Adjust mode informat	-	-	-	-
		Adjust mode informat ion Di2	-	-	-	-
	ANT	Di2 battery level	-	-	-	-
	private (*2)	Gear	-	-	-	-
		SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-	-
SD50 p SD300 r	SD50 port (pcs) SD300 port (pcs)		1 0	0	0 1	1 0
SD50 coni SD300 con	nector (pcs) nector (pcs)		0	0	0	0
LED for sy	<u>stem status</u>		-	-	-	-
Chargi Average	ng cable weight (g)		- 295	375	- 375	- 319
Note *1 Compatible cycle computer and s not freely open pro with ANT+ cycle cor open profile. *3 Will connected to SHIMA	Charging port Charging cable Average weight (g) Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT- cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.		* w/o Bracket spec available. ** The Di2 system limits cross chain to prevent a chain from getting loose.	RD-M8150 is only for E-BIKE	RD-M8150 is only for E-BIKE	* w/o Bracket spec available. ** The Di2 system limits cross chain to prevent a chain from getting loose.

МТВ

Front Derailleur

Sei	DEORE XT		
Mode			FD-M8070
	Series color		
Color		<u>1</u> 2	-
Front	speeds		2
	peeds		11
Compati	ble chain		LINKGLIDE, HG 11-speed
	TOP S	WING	-
Action	Down	swing	✓
	SIDE S	WING	-
	Gl	28.6	w/ SM-FD905-L, SM- FD905-H
	Clamp band (mm)	31.8	w/ SM-FD905-L, SM- FD905-H
		34.9	w/ SM-FD905-L, SM- FD905-H
Mount	E-type	With bottom bracket plate	-
	L-type	Without bottom bracket plate	w/ SM-FD905-E**
	Direct	mount	w/ SM-FD905-D**
	ISCG05	mount	
Chain li	ne (mm)		48.8 *
Chainstay a	angle (deg.)		66-69
	ar teeth		38-34T
	apacity		10T
Applicable top-mi			-
Angled stroke			
Angled clamp		gn	_
Link bu			7
Front clamp band		erial	
	Finish		
Rear clamp band, base bracket		erial ish	
Clamp screw	Mat	erial	
ciump screw	Fin	ish	
Bottom bracket	Mat	erial	
plate	Fin	ish	
Outer link		erial	Aluminum
		ish	Painted
Inner link		erial	Steel
		ish	Plated
Chain guide		erial	Steel
		ish 	Nickel plated
Stroke adjusting screw		erial ish	
Maste	er unit		-
Firmware update b	y E-TUBE P	ROJECT	1
SD50 po	1		
SD300 p	0		
SD50 conn	0		
SD300 coni	0		
Average weight (g direct type	(band type w/screw)	e: L size,	134
No	* For FC 3 mm outboard spec, 51.8 mm ** Compatible with the special crankset which chain line is 3 mm outboard.		

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Mount Adapter for Front Derailleur

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-FD905-D	SM-FD905-E	SM-FD905-H	SM-FD905-L
Moun	t type	Direct mount	E type mount	High clamp band	Low clamp band
Front clamp band	Material	-	-	Aluminum	Aluminum
Front clamp band	Finish	-	-	Painted	Painted
Rear clamp band	Material	-	-	Aluminum	Aluminum
Rear clamp band	Finish	-	-	Painted	Painted
	28.6	-	-	*•	*•
Clamp band diameter (mm)	31.8	-	-	*•	*•
	34.9	-	-	✓	✓
Direct mound bracket	Material	Aluminum	Aluminum	-	-
bracket	Finish	Painted	Painted	-	-
Crankset to	gear teeth	40T-34T	40T-34T	40T-34T	40T-34T
Average v	veight (g)	21.1	27.1	33	42.1
Note		Compatible with the special crankset which chain line is 3 mm outboard.	Compatible with the special crankset which chain line is 3 mm outboard.	* w/ Multi Clamp Band	* w/ Multi Clamp Band

ИТВ

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System Information Display

-						
Sei	ries	SHIMANO				
Mode	el no.	SC-MT800				
Compatib	le system	E-TUBE				
Maste	er unit	-				
Wireless	s system	ANT private *, Bluetooth®LE				
Firmware update b	by E-TUBE PROJECT	1				
SD50 pe	ort (pcs)	3				
SD300 p	ort (pcs)	0				
SD50 conn	ector (pcs)	0				
SD300 coni	nector (pcs)	0				
Attachme	nt position	Handle bar**				
Display d	etachable	-				
Adjust	button	✓				
	Gear indicator (rear)	11				
	Gear indicator (front)	1/2/3				
Display function***	Shifting Mode (manual / SYNCHRONIZED SHIFT)	1				
	Suspension Mode	1				
	Shifting adjust mode	√				
	Battery charge level	1				
Setting function	Shifting adjust	✓				
	Shifting adjust indicator	√				
	System diagnosis	1				
For Di2 system	Charging port for built-in battery	1				
	Compatible charger	SM-BCR2				
	SYNCHRONIZED SHIFT mode change	1				
Average v	Average weight (g)					
No	* ANT private has compatibility with ANT+ cycle computer but not freely open profile. ** 2 Spec of clamp band diameter ø31.8 and ø35.0					
	*** Data of list of "Display function" is sent to other digital device by ANT private.					

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TREKKING

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Shifter

Series			DEORE XT	DEORE XT	DEORE	DEORE
Mode	el no.		SL-T8000-R	SL-T8000-L	SL-T6000-R	SL-T6000-L
		1	Series color	Series color	Series black	Series black
Color		2	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	speeds		-	3	-	2/3
Rear s	peeds		10	-	10	-
Compatible rear	derailleur	type	MTB 10-speed	-	MTB 10-speed	-
	Clamp	band	1	1	1	1
	I-SP	EC B	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-
	I-SPE	C EV	-	-	-	-
Shift lever po	osition adju	st	-	-	-	-
Shift lever rotation a	djust (non l	-SPEC EV)	-	-	-	-
Shift lever o	able adjust	:	1	1	1	1
Front 2/3 mo	de converte	er	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	4	-	3	-
	MULTI F	RELEASE	1	-	-	-
	INSTANT	RELEASE	1	1	-	-
Release function	2-WAY RELEASE		1	1	1	√
	Adjustable lever		-	-	-	-
	With		1	1	1	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-
5.5. 2	Without		-	-	-	-
Multi-bearing	construction	on	2	2	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted
	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-
	Material		Aluminum	Aluminum	Steel+GFRP	Steel+GFRP
Main lever body	Fin	ish	Painted	Painted	-	-
	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	-	-	-	-
	Mat	erial	GFRP	GFRP	GFRP	GFRP
Base cover	Fin	ish	Painted	Painted	-	-
		Polymer- coated cable	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	1	✓	1	1
Same level capie	cable	SIL-TEC	-	-	-	-
		Stainless	✓	✓	1	✓
		Steel	-	-	-	-
Recommended shift	t lever oute	r casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		126	120	-	-
No	ote					

TREKKING

Brake Lever (Hydraulic Disc Brake)

Sei	ries	DEORE XT	DEORE XT	DEORE
Mode	el no.	BL-T8100	BL-T8000	BL-T6000
Brake	e type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever siz	e (finger)	3	3	3
	1	Series color	Series color	Series black
Color	2	-	-	Series silver
	3	-	-	Black (SHIMANO logo) *
Brake h	ose (kit)	SM-BH90-SBM	SM-BH90-SBM	SM-BH59-JK-SS
Hose	joint	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black
(kit)	2	-	-	-
J-Kit spec	(for OEM)	✓	1	✓
SERVO	WAVE	-	-	-
Reach adjust	Toolless	1	1	-
Reach aujust	Tool	-	-	✓
Free stro	ke adjust	-	-	-
	Clamp band	✓	1	✓
Compatible shifter mount	I-SPEC B	-	-	-
mount	I-SPEC II	✓	1	✓
	I-SPEC EV	-	-	-
Clamp band	Open clamp	✓	1	✓
Recommended	d brake caliper	BR-M8100 BR-M8120	BR-M8000	BR-M6000
C	Dil	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel I	bleeding	✓	1	✓
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel
Clailip sciew	Finish	Painted	Painted	-
Brake lever	Material	Aluminum	Aluminum	Aluminum
DI AKE IEVEI	Finish	Anodized	Anodized	Anodized
Master cylinder	Material	Aluminum	Aluminum	Aluminum
iviastei Cylliluer	Finish	Painted	Painted	Painted
Average v	weight (g)	108	108	-
No	ote			* T6000 kit only

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Brake Lever

Se	ries	DEORE	DEORE	SHIMANO	SHIMANO
Mod	el no.	BL-T610	BL-T611	BL-T4000	BL-T4010
	1	Black	Black	Black	Black
Color	2	-	-	Silver	Silver
	3	-	-	-	-
	V-BRAKE	1	√ *	1	√ *
	Mechanical disc brake (MTB)	1	√ *	1	√ *
	Mechanical disc brake (Road)	-	-	-	-
Compatible brake type	Caliper (NEW SUPER SLR)	-	-	-	-
	Caliper (SUPER SLR)	-	-	-	-
	Cantilever brake	-	-	-	-
	Roller brake	-	-	-	-
Recommended	V-BRAKE	-	SM-PM70	-	SM-PM40
Recommended POWER MODULATOR	Mechanical disc brake (MTB)	-	SM-PM50	-	SM-PM50
	Open clamp band	✓	1	-	-
Clamp band	I-SPEC	√ **	√ **	-	-
	Diameter (mm)	22.2	22.2	22.2	22.2
Internal b	umper stop	✓	1	✓	1
Lever siz	e (finger)	2	3	2	3
Brake ca	able type	T-type	T-type	T-type	T-type
Power	adjuster	-	-	-	-
SERVO	WAVE	-	-	-	-
Reach	adjust	✓	✓	✓	✓
Cable	adjust	✓	1	✓	✓
Cable ad	ljust type	Two hand	Two hand	Two hand	Two hand
Brake lever	Material	Aluminum	Aluminum	Aluminum	Aluminum
bi ake level	Finish	Anodized	Anodized	Anodized	Anodized
Brake bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum
Diane Diatret	Finish	Painted	Painted	Painted	Painted
Stainless c	lamp screw	1	✓	✓	1
Average	weight (g)	-	-	-	-
No	ote	For cross bike ** I-SPEC B-type	For Trekking * POWER MODULATOR must be used for front brake ** I-SPEC B-type		* POWER MODULATOR mus be used for front brake

TREKKING

Rear Derailleur

Series		DEORE XT	DEORE	SHIMANO ALIVIO	ACERA	
	Model no.		RD-T8000-SGS	RD-T6000-SGS	RD-T4000	RD-T3000
Color		1	Series color	Series black	Black	Black
Color	:	2	-	-	Silver	Silver
Rears	Rear speeds			10	9	9
Compati	ble chain		HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
	SHIMANO	SHADOW	✓	✓	-	-
RD construction	SHIMANO	SHADOW D+	-	-	-	-
		e servo	_	_	1	1
	Double				· · · · · · · · · · · · · · · · · · ·	•
	SHIMAN O MTB type	Direct attachm ent (convent ional)	1	1	✓	✓
		Direct mount	✓	✓	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-
		Direct mount	-	-	-	-
	UDH st	andard	-	-	-	-
		ROAD	-	-	-	_
	Riveted adapter	BMX- track type	-	-	-	-
Mode o	l onverter	l che	-	-	-	-
	djuster		-	-	1	1
	difference		22T	22T	22T	22T
Total c	apacity		47T	47T	45T	45T
Low sprocket	M	ax.	36T	36T	34T	34T
Low sprocket	М	in.	32T	32T	28T	28T
Top sprocket	M.	ax.	11T	11T	11T	11T
		in.	11T	11T	11T	11T
Fluoric coated			4	3	2	1
	Guide pulley bearing		Sealed Bearing	-	-	-
Pulley	bea	n pulley ring	Sealed bearing	-	-	-
,	Teeth Screws material		11T Stainless steel	11T Stainless steel	11T Steel	11T Steel
	Sunken type pulley screw					
			7	•	·	1
Bracket	Material Finish		Aluminum	Steel	-	-
		w axle	Painted	Painted ✓	-	-
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel
2 4/110	Finish		-	-	-	-
		w axle	1	1	-	-
B-axle 2	Mat	erial	Stainless steel	Stainless steel	-	-
	Fin	ish	-	-	-	-
Bracket body	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted	Painted
P-axle		erial	Steel	Steel	Steel	Steel
		ish	Aluminum	- CEPP	Painted	Painted
Plate body		erial nish	Aluminum Painted	GFRP -	Resin Painted	Resin Painted
		erial	Aluminum	Aluminum	Aluminum	Steel
Outer link		ish	Painted	Painted	Painted	Painted
Inna: U.L.	Mat	erial	Aluminum	Steel	Steel	Steel
Inner link	Fin	ish	Painted	Painted	Painted	Painted
Outer plate		erial	Aluminum	Steel	Steel	Steel
		ish	Painted	Painted	Painted	Painted
Inner plate		erial	Aluminum	Steel	Steel	Steel
		nish Porial	Painted Stainless steel	Painted	Painted Stainless steel	Painted Stainless steel
Cable fixing screw		erial nish	Stainless steel Plated	Steel Plated	Stainless steel	Stainless steel
Carrella a P. et		erial	Steel	Steel	Stainless steel	Steel
Stroke adjusting screw		ish	Plated	Plated	-	Plated
Average v	veight (g)		253	-	-	-
	ote		* Possible to attach to direct mount in case bracket is removed.	* Possible to attach to direct mount in case bracket is removed.		

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Front Derailleur

Series			DEORE XT	DEORE XT	DEORE XT	DEORE	DEORE	DEORE
Mode	el no.		FD-T8000-H-3	FD-T8000-L-3	FD-T8000-L-6	FD-T6000-H3	FD-T6000-L3	FD-T6000-L6
		1	Series color	Series color	Series color	Series black	Series black	Series black
Color		2	-	-	-	-	Series silver	Series silver
Front	peeds		3	3	3	3	3	3
Rear s	peeds		10	10	10	10	10	10
Compatil	ole chain		HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
	TOP S	WING	-	1	1	-	1	1
Action	Down	swing	1	-	-	1	-	-
	SIDE S	WING	-	-	-	-	-	-
	a.	28.6	✓ * (w/ S size adapter)	✓ * (w/ S size adapter)	✓ * (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	√ (w/ M size adapter)	✓ (w/ M size adapter)	√ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	√ (w/ M size adapter)
		34.9	✓	✓	✓	✓	1	✓
Mount	F 400000	With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-	-	-
	Direct	mount	=	-	-	-	-	-
	Dual	-pull	1	1	1	1	1	1
Cabla manda dam	Top-pull	exclusive	-	-	-	-	-	-
Cable route type	Down-pul	l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	-
Chain li	ne (mm)		50	50	50	50	50	50
Chainstay a	ngle (deg.)		63-66	63-66	66-69	63-66	63-66	66-69
Top gea	r teeth		48T	48T	48T	44T, 48T	44T, 48T	44T, 48T
Total ca	apacity		22T	22T	22T	22T	22T	22T
Applicable top-mi	d tooth diff	erence	12T	12T	12T	12T	12T	12T
Multi access cal	ole fixing so	rew	-	-	-	-	✓	✓
Angled stroke	adjust scre	ew	-	-	-	-	-	-
Angled clamp	band desig	gn	1	1	1	-	-	-
Link bu	shings		8	2	2	8	2	2
Event clamp band	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Front clamp band	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp band,	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clailip sciew	Fin	ish	-	-	-	-	-	-
Bottom bracket	Mat	erial	-	-	-	-	-	-
plate	Fin	ish	-	-	-	-	-	-
Outer link	Mat	erial	Aluminum	Steel	Steel	Aluminum	Steel	Steel
Outer lillik	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
milet mik	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
and guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Plated	Plated	Plated
Cable fixing screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw		erial ish	Stainless steel -	Stainless steel -	Stainless steel -	Stainless steel -	Stainless steel -	Stainless steel -
Average weight (g) direct type			169	155	155	-	-	-
No			* S-size adapter is available only OTC package	* S-size adapter is available only OTC package	* S-size adapter is available only OTC packagé			

TREKKING

Front Derailleur

Series			ACERA	ACERA	ACERA
	Model no.			FD-T3000-TS3	FD-T3000-TS6
		1	FD-T3000-2-TS3 Series color	Series color	Series color
Color	2		-	-	-
Front	speeds		2	3	3
	speeds		9	9	9
	ble chain		HG 9-speed	HG 9-speed	HG 9-speed
compan		WING	√	√	√
Action		swing	-	-	-
7.6		WING	_	_	-
		28.6	✓ * (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	√ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)
		34.9	1	1	1
Mount	F. 4	With bottom bracket plate	-	-	-
	E-type	Without bottom bracket plate	-	-	-
	Direct	mount	•	-	-
	Dua	l-pull	✓	1	✓
Cable veute tune	Top-pull	exclusive	-	-	-
Cable route type	Down-pull exclusive		-	-	-
	Front-pull		-	-	-
Chain li	ne (mm)		48.8	50	50
Chainstay	angle (deg.))	63-68	63-66	66-69
Top ge	ar teeth		46T	44T, 48T	44T, 48T
Total c	apacity		16T	22T	22T
Applicable top-mi	d tooth dif	ference	-	12T	12T
Multi access ca	ble fixing s	crew	-	-	-
Angled stroke	e adjust scr	ew	-	-	-
Angled clam	band desi	gn	✓	1	✓
Link b	ushings		-	-	-
Event clamp band	Mat	erial	Steel	Steel	Steel
Front clamp band	Finish		Painted	Painted	Painted
Rear clamp band, base bracket	Material		Steel	Steel	Steel
base bracket	Fir	ish	Painted	Painted	Painted
Clamp screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel
Ciamp sciew	Fir	ish	-	-	-
Bottom bracket plate	Mat	erial	-	-	-
plate	Fir	ish	-	-	-
Outer link	Mat	erial	Steel	Steel	Steel
Outer link	Fir	ish	Painted	Painted	Painted
Inner link	Mat	erial	Steel	Steel	Steel
miner mine	Fir	ish	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel
	Fin	ish	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel
		ish	-	-	-
Stroke adjusting screw		erial	Stainless steel	Steel	Steel
	L	ish	-	Zinc plated	Zinc plated
Average weight (g direct type) (band type w/ screw)	e: L size,	-	-	-
Note			* S-size adapter is available only OTC package		

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Brake (V-BRAKE)

Ser	inc	DEORE	SHIMANO
Mode		BR-T610	BR-T4000
	1	Black	Black
Color	2	-	Silver
	3	-	-
Brake	type	V-BRAKE	V-BRAKE
	Standard 1	\$70C	S65T
Brake shoe	Standard 2	M70CT4	-
ьтаке зпое	Option 1	\$70T	M65T4
	Option 2	-	M65T3
Cartridge s	hoe holder	1	-
Arch siz	e (mm)	107	107
6	X type	1	1
Spacer type	Y type	1	✓
Compatible lead	pipe angle (deg.)	45/90/135	45/90/135
Sleeve & bu	ushing axle	1	✓
	Material	Aluminum	Aluminum
V-arm/caliper	Finish	Anodized	Painted
	Light weight link	-	-
Cover	Material	Aluminum	-
Cover	Finish	Painted	-
Fixing screw length	16	a	✓
Fixing screw length (mm)	25	1	✓
	Material	Steel	Steel
Fixing screw	Finish	Plated	Zinc plated
	Chamfered screw	1	-
POWER MO	DDULATOR	SM-PM70	SM-PM40
Linear	spring	1	1
Stainless cable	e fixing screw	-	-
Average v	veight (g)	-	-
No	te		

TREKKING

Crankset

Ser	ries	DEORE XT	DEORE	SHIMANO	SHIMANO	SHIMANO ALIVIO	SHIMANO
Mode	el no.	FC-T8000	FC-T6010	FC-T551	FC-T521	FC-T4060	FC-T4010
6.1	1	Series color	Series black	Black	Black	Black	Black
Color	2	=	-	Silver	Silver	Silver	-
Rear s	peeds	10	10	10	10	9	9
Compati	ble chain	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Chain li	ne (mm)	50	50	50	50	50	50
P.C.D.	(mm)	104/64	104/64	104/64	104/64	104/64	104/64
Spider/g	ear arms	4	4	4	4	4	4
Chainring c	ombination	48-36-26T	48-36-26T	44-32-24T, 48-36-26T	44-32-24T, 48-36-26T	44-32-22T, 48-36-26T	
Q-facto	or (mm)	176	181.5	181.1	185.8	181.7	187.8
	165	-	-	-	-	✓	1
	167.5	-	-	-	-	-	-
Crank arm langth	170	✓	✓	1	1	✓	1
Crank arm length (mm)	172.5	-	-	-	-	-	-
	175	√	✓	1	1	✓	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	✓	✓	1	1	1	1
g	Without chain/bash guard	-	-	1	1	✓	✓
HOLLOV	•	1	1	-	-	-	-
2-PIECE C		-	-	1	-	1	-
HOLLOWTEG		-	-	-	1	-	-
OCTA		-	-	-	1	-	1
HOLLO		-	_	_		_	_
	Outboard	1	1	1	-	1	-
Compatible bottom bracket type	OCTALINK	-	-	-	1	-	1
ргаскет туре	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT801	BB-MT501	BB-MT501	BB-ES300	BB-MT501	BB-ES300
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain case)	-	BB-MT501	BB-MT501	-	BB-MT501	-
	Press-Fit	BB-MT800-PA	BB-MT500-PA	-	-	-	-
Axle length of	BB-UN/ES (mm)	=	-	-	121-AK	-	126
Threaded bottom	68	✓	✓	1	1	✓	1
bracket shell width (mm)	73	✓	✓	✓	✓	✓	✓
(mm)	83	-	-	-	-	-	-
Chain case	compatible	-	✓	1	1	✓	1
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	-	Steel	-
CIAIIK AXIE	Finish	Plated	Plated	Plated	-	Plated	-
Spider arm	Material	Aluminum	Aluminum	-	Aluminum	-	Aluminum
Spiaci aiiii	Finish	Painted	Painted	-	Painted	-	Painted
Spider arm cover	Material	-	-	-	-	-	-
-p.ac. a/iii covei	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Middle ring	Material	Aluminum	Steel	Steel+GF composite (44-32-24T), Aluminum (48-36-26T)	Steel+GF composite (44-32-24T), Steel (48-36-26T)	Steel	Steel
	Finish	Plated	Painted	Plated	Painted	Painted	Painted
Inner ring	Material	Aluminum	Steel	Steel	Steel	Steel	Steel
miner ring	Finish	Plated	Painted	Plated	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
fixing bolt	Finish	Anodized	-	-	-	-	-
Inner ring fixing screw	Material Finish	Stainless steel -	Stainless steel -	Stainless steel	Stainless steel -	Stainless steel -	Stainless steel -
Stainless chain g	uard fixing screw	-	1	1	1	1	1
Crank fixing s		1	1	1	1	1	1
Average weight (g) (868	-	-	-	-	-
	ote						

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Crankset

Sei	ries	SHIMANO
Mode	FC-T3010	
	1	Black
Color	2	Silver
Rear s	peeds	9
	ble chain	HG 9-speed
Chain li	ne (mm)	50
P.C.D.	(mm)	104/64
Spider/g	ear arms	4
	ombination	44-32-22T, 48-36-26T
Q-facto	or (mm)	187.3
	165	1
	167.5	-
Crank arm length (mm)	170 172.5	-
(mm)	172.5	-
	177.5	
	180	-
	With bash guard	-
Optional chain	With chain guard	✓
guard	Without chain/bash	1
HOLLON	guard VTECH II	_
	RANKSET	-
	CH crank arm	-
	ALINK	-
	WGLIDE	-
	Outboard	-
Compatible bottom bracket type	OCTALINK	-
Didenter type	Square	√
	Threaded (normal)	BB-UN300
Recommended	Threaded (E-type)	-
bottom bracket	Threaded (chain case)	BB-UN300-K
	Press-Fit	-
Axle length of	BB-UN/ES (mm)	LL123
Threaded bottom	68	✓
Threaded bottom bracket shell width (mm)	73	1
	83	-
Chain case	compatible	√
Crank arm	Material	Aluminum
	Finish Material	Painted
Crank axle	Finish	_
	Material	-
Spider arm	Finish	-
Culden	Material	-
Spider arm cover	Finish	-
Outor ring	Material	Steel
Outer ring	Finish	Painted
Middle ring	Material	Steel
	Finish	Painted
Inner ring	Material	Steel
	Finish	Painted Stainless steel
Outer/middle ring fixing bolt	Material Finish	Stainless steel
	Material	Stainless steel
Inner ring fixing screw	Finish	-
Stainless chain o	uard fixing screw	✓ (44-32-22T), - (48-36-26T)
	3	
	crew included	✓
Average weight (g) (175 mm, w/o bottom :ket)	-
	ote	

TREKKING

Front Hub (Rim/Disc Brake)

Ser	ies	DEORE	SHIMANO
Mode	Model no.		HB-T3000
	1 Hub shell	Black	Black
	1 Quick release	Black	Black
Color	2 Hub shell	-	Silver
	2 Quick release	-	Black
Brake type		Rim brake	Rim brake
O.L.D.	(mm)	100	100
	28H	-	-
Spoke hole	32H	1	1
	36H	1	1
External serration	With	-	-
External serration disc brake rotor lock ring	Without	-	-
CENTER LOCK mo	unt cover option	-	-
Axle fixin	g method	Quick release	Quick release
Quick release	129	-	-
Quick release skewer length (mm)	133	1	1
	100 x 15	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-
,	110 x 20	-	-
Flange dist	ance (mm)	71.6	71.6
Offset	(mm)	0	0
P.C.D. left /	right (mm)	38/38	38/38
Flange dian	neter (mm)	48.4	48.4
Se	al	Labyrinth+Contact	Contact
Internal gre	ease sleeve	-	-
	Stainless ball	-	-
Bearing	Cup	-	-
	Cone	CBN	-
	Material	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized
	Material	Steel	Steel
Axle	Finish	-	-
Out de veloue la	Material	Aluminum	Steel
Quick release lever	Finish	Painted	Plated
Ouick release	Material	Aluminum	Steel
Quick release housing	Finish	Painted	Plated
Out de mala a const	Material	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-
Average v	veight (g)	-	-
		1	

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FREEHUB (Rim/Disc Brake)

Sei	ries	DEORE	SHIMANO
	el no.	FH-T610	FH-T3000
	1 Hub shell	Black	Black
Color	1 Quick release	Black	Black
Color	2 Hub shell	-	Silver
	2 Quick release	-	Black
Brake	type	Rim brake	Rim brake
Rear s	peeds	11/10/9/8/7	11/10/9/8/7
O.L.D.	(mm)	135	135
	28H	-	-
Spoke hole	32H	1	✓
		36H	√
External serration disc brake rotor lock		-	-
ring		-	-
Internal serration disc brake rotor lock			-
ring		-	-
		- Ouick roloaco	Ouick rologeo
Axie ilxin	g method		Quick release
		-	-
Quick release skewer length (mm)		-	-
		1	_
	135 x 10	-	-
	135 x 10	_	-
Thru axle (length x inner diameter ;	142 x 12	-	-
mm)	148 x 12	-	-
	150 x 12	-	-
Flange dist	tance (mm)	59.2	59.2
	t (mm)	7.8	7.5
P.C.D. left /	right (mm)	44/45	45/45
Flange diameter	left / right (mm)	53.8	53.8
	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓
	HG spline S (7-speed)	-	-
Seal	Hub	Labyrinth+Contact	Contact
	FREEHUB body	Contact	-
Internal gr	ease sleeve	1	-
Danilio ii	Stainless ball	-	-
Bearing	Cup	- CPN	-
	Cone	CBN	Stool
FREEHUB body	Material Finish	Steel -	Steel -
	Material	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized
	Material	Steel	Steel
Axle	Finish	-	-
	Material	Aluminum	Steel
Quick release lever	Finish	Painted	Plated
Ouick release	Material	Aluminum	Steel
Quick release housing	Finish	Painted	Plated
Ouisk rolesses met	Material	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-
Disc brake rotor lock	Material	-	-
Disc brake rotor lock ring	Finish	-	-
	g) (w/o axle, quick r lock ring)	-	-
No	ote		

		Page	
	Shift/Brake Lever (Hydraulic Disc Brake)	88	ST
	Shifter	91	SL
	Brake Lever (Hydraulic Disc Brake)	92	BL
	Brake Lever (Sub Lever for Hydraulic Disc Brake)	93	BL
	Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)	94	BL
	Rear Derailleur	95	RD
	Front Derailleur	97	FD
	Brake (Hydraulic Disc Brake)	98	BR
	Crankset	100	FC
	Wheel (Disc Brake)	102	WH
<di2 spec.=""></di2>	Shift/Brake Lever (Hydraulic Disc Brake)	104	ST
	Rear Derailleur	105	RD
	Front Derailleur	106	FD

Sei	ries		GRX	GRX	GRX	GRX	GRX	GRX
Mode	Model no.		ST-RX820-R	ST-RX820-L	ST-RX820-LA	ST-RX810-R	ST-RX810-R-LE	ST-RX810-L
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2		-	-	-	-	-	-
Burglast account and an	1 2		Standard	Standard	Standard	Standard	Standard	Standard
Bracket cover color			-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	Single lever for dropper seat post	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front speeds		-	2	1	-	-	2
	Rears	peeds	12	-	-	11	11	-
Shift lever	Max. mul (main le	tiple shifts ver/rear)	2	-	-	2	2	-
	Multi-l constr	pearing ruction	-	-	-	-	-	-
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	casing	Rear derailleu r side	OT-RS900	-	-	OT-RS900	OT-RS900	OT-RS900
Shift lever cable		Polymer- coated cable	4	4	-	✓	1	✓
	Inner cable	OPTISLIC K	-	-	1	-	-	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
	Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose	1	Black	Black	Black	Black	Black	Black
	hose color (kit)	2	-	-	-	-	-	-
	Recomi brake	mended caliper	BR-RX820	BR-RX820	BR-RX820	BR-RX810, BR-RX820	BR-RX820-LE	BR-RX810, BR-RX820
Brake lever	C	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	✓	✓	1	1	✓	✓
	Funnel l	bleeding	✓	✓	1	1	1	1
	Free stro	ke adjust	✓	✓	1	1	1	✓
	SERVO	WAVE	✓	✓	1	1	1	✓
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Diameter (mm)		23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Bracket		erial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
		ish	-	-	-	-	-	-
Clamp band		erial	Steel	Steel	Steel	Steel	Steel	Steel
	weight (g)		289	283	263	286	286	284
No	ote							

Se	ries		GRX	GRX	GRX	GRX	GRX	GRX
Mod	Model no.		ST-RX810-L-LE	ST-RX810-LA	ST-RX610-R	ST-RX610-L	ST-RX600-R	ST-RX600-L
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Burneline and a second	1 2		Standard	Standard	Standard	Standard	Standard	Standard
Bracket cover color			-	-	-	-	-	-
Shifte	er type		DUAL CONTROL LEVER	Single lever for adjustable seat post	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front speeds		2	1	-	2	-	2
	Rear	peeds	•	-	12	-	11	-
Shift lever	Max. mul (main le	tiple shifts ver/rear)	-	-	2	-	2	-
	Multi-l consti	pearing ruction	-	-	-	-	-	-
	Outor	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-RS900	-	OT-RS900	-	OT-RS900	OT-RS900
Shift lever cable		Polymer- coated cable	1	-	-	-	-	-
	Inner cable	OPTISLIC K	-	1	1	1	1	1
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
	Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR
	Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose	1	Black	Black	Black	Black	Black	Black
	Brake hose color (kit)	2	-	-	-	-	-	-
	Recomi brake	mended caliper	BR-RX820-LE	BR-RX810, BR-RX820	BR-RX400, BR-RX410	BR-RX400, BR-RX410	BR-RX810, BR-RX410	BR-RX810, BR-RX410
Brake lever	C	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	✓	✓	1	1	1	✓
	Funnel	bleeding	✓	✓	1	✓	✓	✓
	Free stro	ke adjust	1	1	-	-	-	-
	SERVO	WAVE	✓	1	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Diamet	er (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Bracket		erial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
	Fir	ish	-	-	-	-	-	-
Clamp band		erial	Steel	Steel	Steel	Steel	Steel	Steel
Average	weight (g)		284	263	610 (/pair)	610 (/pair)	307	306
N	ote							

R	L		

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в,	N.I	2		

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Sei	ries		GRX	GRX
Mode	el no.		ST-RX400-R	ST-RX400-L
		1	Series color	Series color
Color		2	-	-
		1	Standard	Standard
Bracket cover color	:	2	-	-
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front speeds		-	2
	Rears	peeds	10	-
Shift lever	Max. mult (main le	tiple shifts ver/rear)	2	-
	Multi-l constr	pearing ruction	-	-
	Outor	Lever side	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-RS900	OT-RS900
Shift lever cable		Polymer- coated cable	-	-
	lnner cable	OPTISLIC K	1	1
		SIL-TEC	-	-
		Stainless	-	-
		Steel	-	-
	Brake h	ose (kit)	SM-BH90-JK-SSR SM-BH90-J-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR
	Hose joint		Straight	Straight
	Brake hose	1	Black	Black
	color (kit)	2	-	-
	Recomi brake	nended caliper	BR-RX400, BR-RX410	BR-RX400, BR-RX410
Brake lever	C	Dil	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	1	1
	Funnel l	oleeding	1	✓
	Free stro	ke adjust	-	-
	SERVO	WAVE	-	-
	Mat	erial	Aluminum	Aluminum
	Fin	ish	Painted	Painted
Clamp band	Diamet	er (mm)	23.8-24.2	23.8-24.2
Bracket	Mat	erial	Engineering composite	Engineering composite
	Fin	ish	-	-
Clamp band	Mat	erial	Steel	Steel
Average v	weight (g)		307	306
No	Note			

Shifter

Ser	GRX		
Mode	SL-RS700-R-LE		
Calar		1	Black
Color		2	-
Shifte	r type		RAPIDFIRE PLUS
Front s	speeds		-
Rear s	peeds		11
Compatible rea	r derailleur	type	ROAD 11-speed
	Clamp	band	1
Mount type	I-SP	EC B	-
	I-SP	EC II	-
Shift lever po	osition adju	st	-
Shift lever	cable adjus	t	1
Max. multiple shift	ts (main lev	er/rear)	4
	MULTI	RELEASE	*-
Release function	INSTANT RELEASE		✓
	2-WAY RELEASE		1
	With		-
OPTICAL GEAR DISPLAY	With (removable)		-
	Wit	hout	✓
Multi-bearing	constructi	on	2
Shift lever bracket	Mat	erial	Aluminum
	Fir	ish	Painted
Clamp screw	Mat	erial	-
	Fir	ish	-
Main lever body	Mat	erial	CFRP
-	Fir	ish	Painted
Release lever body	Mat	erial	Steel+GFRP
	Fir	ish	-
		Polymer- coated cable	-
Shift lever cable	Inner cable	OPTISLIC K	-
	capie	SIL-TEC	✓
		Stainless	✓
		Steel	-
Recommended shif	t lever oute	er casing	OT-SP41
Average v	weight (g)		110
No	ote		* Pull: single Push: double

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Ser	ries	GRX	GRX	GRX	GRX	GRX
Mode	el no.	BL-RX820-L	BL-RX810-L	BL-RX810-L-LE	BL-RX610-L	BL-RX600-L
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size	e (finger)	-	-	-	-	-
C.L.	1	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-
Dunalist saver salar	1	Standard	Standard	Standard	Standard	Standard
Bracket cover color	2	-	-	=	-	-
Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR SM-BH90-J-SSR
Hose	joint	Straight	Straight	Straight	Straight	Straight
Brake hose color	1	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-
SERVO	WAVE	1	1	1	-	-
Danah adiwat	Toolless	-	-	-	-	=
Reach adjust	Tool	1	✓	✓	✓	✓
Free stro	ke adjust	1	✓	✓	-	-
	I-SPEC	-	-	-	-	-
Clamp band	Open clamp	-	-	-	-	-
	Diameter (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Recommended	l brake caliper	BR-RX820	BR-RX810, BR-RX820	BR-RX820-LE	BR-RX400, BR-RX410	BR-RX810, BR-RX410
0	il	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel k	oleeding	✓	✓	✓	1	✓
Clamp band	Material	Steel	Steel	Steel	Steel	Steel
Bracket	Material	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
	Finish	-	-	-	-	-
Brake lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
DI ake level	Finish	Painted	Painted	Painted	Painted	Painted
Master cylinder	Material	-	-	-	-	-
waster cylinder	Finish	-	-	-	-	-
Average v	veight (g)	222	222	222	543 (ST-RX610-R+BL- RX610-L)	227
No	te					

Brake Lever (Sub Lever for Hydraulic Disc Brake)

Ser	ies	GRX	GRX
Mode	el no.	BL-RX812-R	BL-RX812-L
Brake	type	Hydraulic disc brake	Hydraulic disc brake
Lever size	e (finger)	1	1
	1	Neutral	Neutral
Color	2	-	=
	3	-	-
Brake h	ose (kit)	-	-
Hose	joint	Straight	Straight
Brake hose color (kit)	1	Black	Black
(kit)	2	-	-
SERVO	WAVE	-	-
Reach adjust	Toolless	-	-
Reach aujust	Tool	1	✓
Free stro	ke adjust	-	-
	New band	1	✓
Clamp band	I-SPEC B	-	-
Claimp band	I-SPEC II	-	-
	Open clamp	-	-
Recommended	l brake caliper	BR-RX810	BR-RX810
o	il	SHIMANO mineral	SHIMANO mineral
Funnel b	leeding	1	✓
Clamp cerous	Material	Stainless steel	Stainless steel
Clamp screw	Finish	-	-
Brake lever	Material	Aluminum	Aluminum
Drake lever	Finish	Anodized	Anodized
Master cylinder	Material	Aluminum	Aluminum
waster cylinder	Finish	Painted	Painted
Average v	veight (g)	79	79
No	te	-	-

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Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)

Co.	·	GRX	GRX
Ser			
Mode		BL-T8100-R-LE	BL-T8100-L-LE
Brake		Hydraulic disc brake	Hydraulic disc brake
Lever size	e (finger)	3	3
	1	Series color	Series color
Color	2	-	-
	3	-	-
Brake ho	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR
Hose	joint	Straight	Straight
Brake hose color (kit)	1	Black	Black
(kit)	2	-	-
J-Kit spec	(for OEM)	-	-
SERVO	WAVE	-	-
Danah adiwat	Toolless	1	✓
Reach adjust	Tool	-	-
Free strol	ce adjust	-	-
	Clamp band	1	✓
Compatible shifter	I-SPEC B	-	-
mount	I-SPEC II	1	✓
	I-SPEC EV	-	-
Clamp band	Open clamp	✓	✓
Recommended	l brake caliper	BR-RX820-LE	BR-RX820-LE
0	il	SHIMANO mineral	SHIMANO mineral
Funnel b	leeding	1	✓
Clamp screw	Material	Stainless steel	Stainless steel
Clamp screw	Finish	Painted	Painted
Brake lever	Material	Aluminum	Aluminum
Diake level	Finish	Anodized	Anodized
Master sulinda:	Material	Aluminum	Aluminum
Master cylinder	Finish	Painted	Painted
Average v	veight (g)	108	108
No	te		

Rear Derailleur

Sei	ries		GRX	GRX	GRX	GRX	GRX	GRX
Mode	el no.		RD-RX820	RD-RX822-GS	RD-RX822-SGS	RD-RX810	RD-RX810-LE	RD-RX812
Calan		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	- 2	2	-	-	-	-	-	-
Rears	peeds		12	12	12	11	11	11
Compati	ble chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
	SHIMANO	SHADOW	-	-	-	-	-	-
RD construction	SHIMANO	SHADOW D+	1	1	1	1	1	1
		e servo	_	_	_	_	_	-
	SHIMAN O MTB type	Direct attachm ent (convent ional)	-	-	-	-	-	-
	туре	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	1	1	1	1	1	1
	,,,,,,	Direct mount	1	-	-	1	1	1
	UDH st	andard	✓	1	1	-	-	-
		ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track	-	-	-	-	-	-
Cable a	diuster	type	1	1	1	1	1	√
	difference		17T	-	-	17T	17T	-
	apacity		42T	35T	41T	40T	40T	31T
10441		ax.	36T	45T	51T	34T	34T	42T
Low sprocket		in.	34T	45T	51T	30T	30T	40T
		ax.	11T	10T	10T	11T	11T	11T
Top sprocket		in.	11T	10T	10T	11T	11T	11T
Fluoric coated	link bushir	ngs	4	6	6	4	4	4
	Guide bea	pulley ring	1	1	1	1	1	1
		n pulley ring	1	1	1	1	1	1
Pulley		eth	11/13T	13T	13T	13T	13T	11T
	Screws	material	SUS	SUS	SUS	Stainless steel	Stainless steel	Stainless steel
	Sunken ty scr	/pe pulley ew	✓	1	1	✓	✓	✓
Bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diacket	Fin	ish	Painted	Painted	Painted	Anodized	Anodized	Anodized
	Hollov	w axle	✓	✓	✓	✓	✓	✓
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish	Passivation	Passivation	Passivation	-	-	-
B-axle 2		w axle erial	- Aluminum	-	-	- Aluminum	- Aluminum	- Aluminum
J-unie 2		ish	Anodized	-	-	Anodized	Anodized	Anodized
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body		ish	Painted	Painted	Painted	Painted	Painted	Painted
P		erial	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Fin	ish	-	-	-	-	-	-
Plate body		erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
_		erial	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Outer link		ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Mat	erial	GFRP	Aluminum	Aluminum	GFRP	GFRP	Aluminum
er mik		ish	-	Painted	Painted	-	-	Painted
Outer plate		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
· .		ish	Painted	Painted	Painted	Painted	Anodized	Painted
Inner plate		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
-		orial	Painted Stainless stool	Painted	Painted	Painted Stainless steel	Anodized	Painted Stainless stool
Cable fixing screw		erial iish	Stainless steel	Steel	Steel	Stainless steel	Stainless steel	Stainless steel
Carrello III II		erial	Passivation Steel	Passivation Steel	Passivation Steel	Passivation Steel	Passivation Steel	Passivation Steel
Stroke adjusting screw		ish	Plated	Plated	Plated	Plated	Plated	Plated
Average v	weight (g)		270	290	288	255	255	267
No	ote					-		-

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Rear Derailleur

Sei	ries		GRX	GRX
Model no.			RD-RX812-LE	RD-RX400
Color		1	Series color	Series color
		2	-	-
	peeds		11	10
Compatible chain		LINKGLIDE, HG 11-speed	HG-X 10-speed	
	SHIMANO SHADOW		-	-
RD construction	SHIMANO	SHADOW D+	✓	1
		e servo	-	-
	SHIMAN O MTB type	Direct attachm ent (convent ional)	-	-
	"	Direct mount	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	4	1
	"	Direct mount	4	✓
	UDH st	andard	-	-
		ROAD type	-	-
	Riveted adapter	BMX- track	-	-
Cable	djuster	type	J	
	difference		-	16T
	apacity		31T	41T
Low sprocket	M	ax.	42T	36T
LOW Sprocket		in.	40T	32T
Top sprocket		ax.	11T	11T
Fluoric coated	L	in.	11T 4	11T 4
ridoric coated		pulley ring	√	-
	Tension pulley bearing		✓	-
Pulley	Teeth Screws material		11T	11T
			Stainless steel	Stainless steel
		ype pulley ew	✓	√
Bracket		erial	Aluminum	Steel
		w axle	Anodized ✓	Painted
B-axle		erial	Stainless steel	Stainless steel
	Fin	ish	-	-
	Hollo	w axle	-	-
B-axle 2		erial	Aluminum	Stainless steel
		erial	Anodized Aluminum	- Aluminum
Bracket body		ish	Painted	Painted
D. avla	Mat	erial	Steel	Steel
P-axle		ish	-	-
Plate body		erial	GFRP	GFRP
		erial	- Aluminum	- Aluminum
Outer link		ish	Painted	Painted
Inner link		erial	Aluminum	GFRP
illier link		nish	Painted	
Outer plate		erial ish	Aluminum Anodized	Steel Painted
		erial	Aluminum	Steel
Inner plate		ish	Anodized	Painted
Cable fixing screw	Mat	erial	Stainless steel	Steel
Saute ining serew		ish 	Passivation	Plated
Stroke adjusting screw		erial	Steel	Steel
	veight (g)	nish	Plated 267	Plated 303
	ote		20,	-

Front Derailleur

Series		GRX	GRX	GRX	GRX	
Mode	Model no.		FD-RX820	FD-RX810-F	FD-RX810-F-LE	FD-RX400-F
Callan	Color 1		Series color	Series color	Series color	Series color
Color	:	2	-	-	-	-
Front	Front speeds		2	2	2	2
Rear s	peeds		12	11	11	10
Compati	ble chain		HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed
Action	TOP S	WING	-	-	-	-
Action	Down	swing	✓	1	✓	✓
		28.6	-	-	-	-
	Clamp band (mm)	31.8	-	-	-	-
Mount	()	34.9	-	-	-	-
	Braze	ed-on	1	1	1	1
Cable	Brazed-on Cable adjust		1	1	1	1
Cable route type	Top-pull	exclusive	-	-	-	-
Chain li	ne (mm)		47	47	47	47
Chainstay a	ingle (deg.))	63-66	63-66	63-66	63-66
Top gea	Top gear teeth		46-48T	46-48T	46-48T	46T
Total ca	apacity		17T	17T	17T	16T
Applicable top-mi	d tooth dif	ference	-	-	-	-
Angled clamp	band desi	gn	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-
Link bu	ıshings		7	7	7	7
	Mat	erial	-	-	-	-
Front clamp band	Fir	ish	-	-	-	-
Rear clamp hand	Mat	erial	-	-	-	-
Rear clamp band, base bracket	Fin	ish	-	-	-	-
Out III	Mat	erial	GFRP	GFRP	GFRP	GFRP
Outer link	Fir	nish	Painted	Painted	Painted	Painted
Innas Bata	Mat	erial	Steel	Steel	Steel	Steel
Inner link	Fir	nish	Plated	Plated	Plated	Plated
a	Mat	erial	Steel	Steel	Steel	Steel
Chain guide	Fir	nish	Chrome plated	Chrome plated	Chrome plated	Chrome plated
611.6	Mat	erial	Steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fir	nish	Plated	-	-	-
Stroke adjusting	Mat	erial	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fir	nish	Plated	Black	Black	Black
Average weight (g) direct type	(band type w/ screw)	e: L size,	96	96	96	96
No	nto.					

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Brake (Hydraulic Disc Brake)

Ser	ies	GRX	GRX	GRX	GRX	GRX	GRX
Mode	el no.	BR-RX820	BR-RX820-LE	BR-RX810-F	BR-RX810-R	BR-RX410-F	BR-RX410-R
	1	Series color	Series color	Series color	Series color	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	BR-RX410-F Black - -	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake ho	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-J-SSR SM-BH90-JK-SSR	SM-BH90-J-SSR SM-BH90-JK-SSR
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	✓	-	✓	✓	✓	✓
ICE TECHNOLOGIES pa	ad compatible caliper	✓	✓	1	✓	✓	✓
	Standard 1	K05S-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
Pad	Standard 2	L05A-RF Resin (w/ fin)	K05S-RX Resin (w/o fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
rau	Option 1	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
	Option 2	-	-	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	-
	10 mm mount	✓	-	-	✓	-	✓
	15 mm mount	✓	-	Sin (w/o L05A-RF Resin (w/ fin) L05A-RF Resin (w/ fin) L05A-RF Resin (w/ fin) L05A-RF Resin (w/ fin) L04C-MF Metal (w/o fin) L04C-MF Metal (w/ fin) L04C-MF	-	✓	
Fixing screw spec	20 mm mount	1	-	-	✓	Hydraulic disc brake SM-BH90-J-SSR SM-BH90-J-SSR Straight Black - K05S-RX Resin (w/o fin) L05A-RF Resin (w/ fin) L04C-MF Metal (w/ fin) ST-RX610 RT-CL700, SM-RT64 SHIMANO mineral - Kesin - Aluminum Painted Steel 4 mm Screw fix pin+Snap ring Pad axle -	✓
Fixing screw spec for rear mount	25 mm mount	1	✓	-	✓	-	1
	30 mm mount	~	-	-	K04S-MX Metal (w/o fin) L04C-MF Metal (w/ fin) L04C-MF Metal (w/ fin)	~	
	35 mm mount	~	=	-	✓	-	~
Recommende	d brake lever	ST-RX820 ST-RX820-LA BL-RX820-L ST-RX825	ST-RX810-LE BL-RX810-L-LE BL-T8100-LE	ST-RX810 BL-RX810 ST-RX815	ST-RX810 BL-RX810 ST-RX815	ST-RX610	ST-RX610
Recommended o	disc brake rotor	RT-CL800	SM-RT800, RT- MT800	SM-RT800, RT- MT800	SM-RT800, RT- MT800	RT-CL700, SM-RT64	RT-CL700, SM-RT64
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	√	√	✓	✓	✓	✓
Moun	t type	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount
Pist	ton	2	2	2	2	2	2
Piston n	naterial	Resin	Resin	Ceramic	Ceramic	Resin	Resin
	MONO-BODY	-	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painting	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	4 mm	4 mm	4 mm	4 mm	SM-BH90-J-SSR SM-BH90-JK-SSR Straight Black - K05S-RX Resin (w/o fin) L05A-RF Resin (w/ fin) L04C-MF Metal (w/ fin) - - - - ST-RX610 RT-CL700, SM-RT64 SHIMANO mineral - Flat mount 2 Resin - Aluminum Painted Steel 4 mm Screw fix pin+Snap ring Pad axle -	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin
Pad m	nount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v	veight (g)	139 (Front) 122 (Rear)	139 (Front) 122 (Rear)	141	124	-	-
No	te		Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor

Brake (Hydraulic Disc Brake)

-			-
Sei	ries	GRX	GRX
Mode	el no.	BR-RX400-F	BR-RX400-R
	1	Series color	Series color
Color	2	-	-
	3	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR
Hose	joint	Straight	Straight
Brake hose color	1	Black	Black
Brake hose color (kit)	2	-	-
J-Kit spec	(for OEM)	1	1
ICE TECHNOLOGIES p	ad compatible caliper	1	1
	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
Pad	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
Tau	Option 1	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)
	Option 2	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
	10 mm mount	-	✓
	15 mm mount	-	✓
Fixing screw spec for rear mount	20 mm mount	-	✓
for rear mount	25 mm mount	-	✓
	30 mm mount	-	~
	35 mm mount	-	~
Recommende	d brake lever	ST-RX400 ST-RX600 BL-RX600	ST-RX400 ST-RX600 BL-RX600
Recommended	disc brake rotor	SM-RT70, SM-RT64	SM-RT70, SM-RT64
C	oil	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	1	1
Moun	t type	Flat mount	Flat mount
Pis	ton	2	2
Piston r	naterial	Resin	Resin
	MONO-BODY	-	-
Caliper	Material	Aluminum	Aluminum
	Finish	Painted	Painted
	Material	Steel	Steel
Caliper fixing screw	Tool size	4 mm	4 mm
, ,	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin
Pad n	nount	Pad axle	Pad axle
Average v	weight (g)	-	-
No	ote	Front spec with adaptor	Front spec with adaptor

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Crankset

Color Rear spe Compatible Chain line P.C.D. (n	1 2 eeds e chain	FC-RX820-2 Series color - 12	FC-RX820-1 Series color	FC-RX810-2 Series color	FC-RX810-1 Series color	FC-RX810-11-2-LE Series color	FC-RX810-11-1-LE
Rear spe Compatible Chain line P.C.D. (n	2 eeds e chain	-		Series color	Series color	Sorios color	Caulana
Rear spe Compatible Chain line P.C.D. (n	eeds e chain		-			Jeries Color	Series color
Compatible Chain line P.C.D. (n	e chain	12		-	-	-	-
Chain line P.C.D. (n			12	11	11	11	11
P.C.D. (n	e (mm)	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
		47	49.7	47	49.7	47	49.7
Spider/gea		110/80	110	110/80	110	110/80	110
		4	4	4	4	4	4
Chainring con		48-31T	40T, 42T	48-31T	40T, 42T	48-31T	40T
Q-factor		151	151	151	151	151	151
-	165 167.5	-	-	-	-	-	-
-	170	- -	-	-	-	-	-
Crank arm length (mm)	170	-	1	1	1	1	1
(mm)	175	√	1	<i>y</i>	V		<i>y</i>
-	177.5	<u> </u>	-	-	-	-	-
-	180		_		-		_
	With chain guard	<u> </u>		-	-	-	-
Optional chain —							
guaru	Without chain/bash guard	√	1	1	1	1	1
HOLLOWT	TECH II	✓	1	✓	1	1	✓
2-PIECE CRA	ANKSET	-	-	-	-	-	-
HOLLOWTECH	crank arm	✓	1	✓	1	✓	✓
OCTALI		-	-	-	-	-	-
HOLLOW	GLIDE	-	-	-	-	-	-
C	Outboard	✓	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60
	Press-Fit	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72
Axle length of BB		-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	· ·	1	1	1	/	1
(mm)	70	√	√	√	√	√	√
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Crank axle	Material	Steel	Steel	Steel Plated	Steel	Steel Plated	Steel Plated
	Finish Material	Plated	Plated -	riateu	Plated -	- riateu	- Flated
Spider arm	Finish		_	-	-	_	-
	Material		_	_	_	_	-
Spider arm cover	Finish	-	_	_	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer ring	Finish	Anodized	Anodized (teeth)/Painted	Anodized	Anodized (teeth)/Painted	Anodized	Anodized (teeth)
	Material	-	(body)	-	(body)	_	-
Middle ring	Finish	-	-	-	-	-	-
	Material	Aluminum	-	Aluminum	-	Aluminum	-
Inner ring	Finish	Anodized	-	Anodized	-	Anodized	-
	Material	Alluminum	Aluminum	Alluminum	Aluminum	Alluminum	Aluminum
Outer/middle ring fixing bolt	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	- Allouizeu	- Allouizeu	-	- Allouizeu	- Allouizeu	- Allouizeu
Inner ring fixing screw	Finish	-	-	-	-	-	-
Crank fixing scre		1	1	1	1	1	1
Average weight (g) (17		710	644 (40T) 656 (42T)	710	644 (40T) 656 (42T)	710	644
Note	e						

Crankset

Ser	ries	GRX	GRX	GRX	GRX	GRX
Mode	el no.	FC-RX610-2	FC-RX610-1	FC-RX600-11	FC-RX600-10	FC-RX600-1
Calan	1	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-
Rear s	peeds	12	12	11	10	11
Compati	ble chain	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	HG 10-speed	LINKGLIDE, HG 11-speed
Chain li	ne (mm)	47	49.7	47	47	49.7
P.C.D.	(mm)	110/80	110	110/80	110/80	110
Spider/g	ear arms	4	4	4	4	4
Chainring c	ombination	46-30T	38T, 40T	46-30T	46-30T	40T
Q-facto	or (mm)	151	151	151	151	151
	165	✓	✓	✓	✓	1
	167.5	-	-	-	-	-
	170	✓	1	1	1	1
Crank arm length (mm)	172.5	✓	1	1	1	1
	175	✓	✓	1	✓	1
	177.5	-	-	-	-	-
	180	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-
Optional chain guard	Without chain/bash guard	✓	✓	✓	✓	✓
HOLLOV	VTECH II	-	-	-	-	-
2-PIECE C	RANKSET	✓	✓	1	✓	1
HOLLOWTEC	CH crank arm	1	1	-	-	-
OCTA		-	-	-	-	-
HOLLO	WGLIDE	-	-	-	-	-
Cammatible battam	Outboard	✓	√	1	✓	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-
	Square	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB
Axle length of		-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	1	1	1	1	1
(mm)	70	√	√	√	√	√
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Crank axle	Material	Steel	Steel	Steel	Steel	Steel
	Finish Material	Plated -	Plated -	Plated -	Plated -	Plated -
Spider arm	Finish	-	-	_	-	-
	Material	-	_	_	_	_
Spider arm cover	Finish	-	-	-	-	-
	Material	Aluminum	Steel	Aluminum	Aluminum	Aluminum
Outer ring	Finish	Anodized	Painted	Anodized	Anodized	Anodized (teeth)/Painted
	Material	-	-	-	_	(body)
Middle ring	Finish	-	-		-	-
	Material	Aluminum	-	Aluminum	Aluminum	-
Inner ring	Finish	Anodized	-	Anodized	Anodized	-
Out-of-11"	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Outer/middle ring fixing bolt	Finish	-	-	-	-	-
	Material	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	_
Crank fixing s		1	1	1	1	1
	170 mm, w/o bottom	811	791 (38T) 812 (40T)	817	821	754
	ote		(121)			
			L	I.	I.	1

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Wheel (Disc Brake)

Series		GRX	GRX	SHIMANO	SHIMANO	GRX	GRX
Model no. Model name		WH-RX870-TL- F12-700C	WH-RX870-TL- R12-700C	WH-RX880-TL- F12-700C	WH-RX880-TL- R12-700C	WH-RX570-TL- F12-700C	WH-RX570-TL- F12-650B
		WH-RX870-TL	WH-RX870-TL	WH-RX880-TL	WH-RX880-TL	WH-RX570-TL	WH-RX570-TL
	ication	F12-700C	R12-700C	F12-700C	R12-700C	F12-700C	F12-650B
	1 Hub shell	Black	Black	Black	Black	Black	Black
Color	1 Quick release 2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front	/Rear	Front	Rear	Front	Rear	Front	Front
Brake	type	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rears		-	12/11	-	12	-	-
	. (mm) el size	100 622 x 25C (700C)	142 622 x 25C (700C)	100 622 x 25C (700C)	142 622 x 25C (700C)	100 622 x 21C (700C)	100 584 x 21C (650B)
	Туре	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
Tire	Recommended size	32-622 - 50-622	32-622 - 50-622	32-622 - 50-622	32-622 - 50-622	32-622 - 42-622	38-584 - 53-584
	Height (mm) Internal width (mm)	32 25	32 25	32 25	32 25	22 21.6	22 21.6
	External width (mm)	30.7	30.7	30.7	30.7	26	26
Rim	Rim joint	-	-	-	-	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	1	1
	Requires rim tape	√	√	√	√	√	√
	Number Straight pull	24 ✓	24 •	24	24	24 ✓	24
Spokes	Bladed	<u>√</u>	1	√	-	1	1
•	Butted	1	1	1	1	-	-
AI. 2' '	Diameter (mm) a method	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2	2
	g metnoa 133	E-THRU -	E-THRU -	E-THRU -	E-THRU -	E-THRU -	E-THRU -
Quick release skewer length (mm)	163	-	-	-	-	-	-
	168	-	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 12 142 x 12		-	1	-	√	√
mm)	MICRO SPLINE	-	-	-	1	-	-
	HG spline L2 (ROAD 12-speed dedicated)			_	1	-	-
	12-speed dedicated) HG spline L (ROAD	-		-	-		
Calina tuna	12/11-speed)	-	✓	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB						
	8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S	-	-	_	_	_	_
Fngagen	(7-speed) nent type		Pawl ratchet	_	Direct engagement	_	_
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	Polish	Polish	Polish	Polish	Polish	Polish
	Cone CENTER LOCK	CBN+Polish ✓	CBN+Polish ✓	CBN+Polish ✓	CBN+Polish ✓	CBN ✓	CBN
.	CENTER LOCK	<u> </u>	-			-	-
Disc mount	mount cover option 140 mm disc brake						
	rotor compatible	√	✓	1	1	√	✓
OPTBA	NL (2:1) rim	-	-	-	-	-	-
	tment system	-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body ease sleeve	-	Contact -	-	Contact	- J	-
	Material	Carbon	Carbon	Carbon	Carbon	Aluminum	Aluminum
Rim	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
Spoke	Material Finish	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Attack 1	Material	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum
Nipple	Finish	Black	Black	Black	Black	Black	Black
FREEHUB body	Material Finish	-	Steel -	-	Aluminum -	-	-
The state	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	-	-	-	-	-	-
Quick release lever	Finish	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
	Finish Material	-	-	-	-	-	-
Quick release nut Finish		-	-	-	-	-	-
Compatible spoke protector		-	CP-WH30(11-34T) CP-WH26(11-40T/	-	CP-WRX8A(34T/36T) CP-WRX8B(45T/51T)	-	-
	. IIE/CDEC	CATEYE	42T) CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Poflostor	JIS/CPSC	RR-550-WUW SW CATEYE	RR-550-WUW SW CATEYE	RR-550-WUW SW CATEYE	RR-550-WUW SW CATEYE	RR-550-WUW SW CATEYE	RR-550-WUW SW CATEYE
Reflector	AS	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
	w/o guick release, rim	639	822	635	762 (HG-spline L2) 759 (MICRO SPLINE)	769	737
Average weight (g) (tape, tubeless tape,	valve stem, lock ring)	639	022	033	1 759 (MICRO CDI INIELI	703	/ / / /

Wheel (Disc Brake)

So	ries	GRX	GRX	
		WH-RX570-TL-	WH-RX570-TL-	
	el no.	R12-700C	R12-650B	
	l name ication	WH-RX570-TL R12-700C	WH-RX570-TL R12-650B	
	1 Hub shell 1 Quick release	Black	Black	
Color	2 Hub shell	-	-	
Frank	2 Quick release	- Dans	- Dans	
	t/Rear e type	Rear CENTER LOCK disc	Rear CENTER LOCK disc	
	speeds	brake 11/10	brake 11/10	
O.L.D	. (mm)	142	142	
	el size Type	622 x 21C (700C) Tubeless	584 x 21C (650B) Tubeless	
Tire	Recommended size	32-622 - 42-622	38-584 - 53-584	
	Height (mm) Internal width (mm)	22 21.6	22 21.6	
	External width (mm)	26	26	
Rim	Rim joint Brazed	Welded	Welded	
	reinforcement OFFSET RIM	- ·	-	
	Requires rim tape	1	1	
	Number Straight pull	24 ✓	24 ✓	
Spokes	Bladed	1	1	
	Butted Diameter (mm)	2	- 2	
Axle fixin	g method	E-THRU	E-THRU	
Quick release skewer length (mm)	133 163	-	-	
1	168	-	-	
Thru axle (length x inner diameter ; mm)	100 x 12 142 x 12	-	-	
mm)	MICRO SPLINE	-	-	
	HG spline L2 (ROAD 12-speed dedicated)	-	-	
	HG spline L (ROAD 12/11-speed)	1	1	
Spline type	HG spline M (10/9/			
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	
	HG spline S (7-speed)	-	-	
Engagen	nent type	Pawl ratchet	Pawl ratchet	
Bearing	Stainless ball Cup	- Polish	- Polish	
Bearing	Cone	CBN	CBN	
	CENTER LOCK CENTER LOCK	✓	✓	
Disc mount	mount cover option	-	-	
	140 mm disc brake rotor compatible	✓	✓	
	AL (2:1) rim	-	-	
Digital adjus	tment system	-	-	
Seal	Hub FREEHUB body	Contact Contact	Contact Contact	
Internal gr	ease sleeve	√ Aluminum	√ Aluminum	
Rim	Material Finish	Anodized	Anodized	
Spoke	Material Finish	Stainless steel	Stainless steel	
Nipple	Material	Black Aluminum	Black Aluminum	
	Finish Material	Black Steel	Black Steel	
FREEHUB body	Finish	-	-	
Hub shell	Material Finish	Aluminum Anodized	Aluminum Anodized	
Axle	Material	Aluminum	Aluminum	
	Finish Material	-	-	
Quick release lever	Finish	-	-	
Quick release housing	Material Finish	-	-	
Quick release nut	Material	-	-	
	Finish	- CP-FH08 (23-28T	- CP-FH08 (23-28T	
Compatible s	ooke protector	11-speed) CP-WH41 (23-30T	11-speed) CP-WH41 (23-30T	
25mpatible sp	p	10-speed) CP-WH12 (32T 10/	10-speed) CP-WH12 (32T 10/ 11-speed)	
	JIS/CPSC	11-speed)	11-speed) CATEYE RR-550-WUW SW	
D-414		CATEYE RR-550-WUW SW CATEYE		
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	
tape, tubeless tape,	w/o quick release, rim valve stem, lock ring)	951	920	
I Na	ote			

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Series			GRX	GRX	GRX	GRX
Model no.			ST-RX825-R	ST-RX825-L	ST-RX815-R	ST-RX815-L
1		1	Series color	Series color	Series color	Series color
Color	2		-	-	-	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Remote switch			1	1	1	1
Brake		ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	Hose joint		Straight	Straight	Straight	Straight
	Brake	1	Black	Black	Black	Black
	hose color (kit)	2	-	-	-	-
	Recommended brake caliper		BR-RX820	BR-RX820	BR-RX810, BR-RX820	BR-RX810, BR-RX820
	Oil		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Brake lever	Reach adjust		1	1	1	1
	Clamp band (mm)		23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel bleeding		1	1	1	1
	Free stroke adjust		✓	1	✓	✓
	SERVO WAVE		1	1	1	1
	Material		Aluminum	Aluminum	Aluminum	Aluminum
	Finish		Painted	Painted	Painted	Painted
Bracket	Material		CFRP	CFRP	CFRP	CFRP
Bracket	Finish		-	-	-	-
Electric button	Material		GFRP	GFRP	-	-
Liectric Button	Finish		-	-	-	-
Di2 connectivity wired	Di2 shifting		-	-	1	1
Di2 connectivity wireless	Di2 shifting		1	1	-	-
Maste	er unit		-	-	-	-
Firmware update b	y E-TUBE P	ROJECT	1	1	1	1
SD50 port (pcs)			0	0	2	2
SD300 port (pcs)			1	1	0	0
SD50 connector (pcs)			0	0	0	0
SD300 connector (pcs)		0	0	0	0	
Port for SD50 remote sprinter shifter (pcs)			0	0	0	0
Port for SD300 satellite shifter (pcs)			1	1	0	0
Battery			CR1632 x 2	CR1632 x 2	-	-
Average weight (g)			415 (/pair)	415 (/pair)	373 (/pair)	373 (/pair)
Note						

Rear Derailleur

Se	ries		GRX	GRX	GRX
Model no.			RD-RX825	RD-RX815	RD-RX817
Color 1		Series color	Series color	Series color	
1	Rear speeds SHIMANO SHADOW			11	11
	SHIMANO	SHADOW	-	-	-
RD construction	SHIMANO	SHADOW D+	1	1	1
	Double	e servo	-	-	-
		Direct attachm			
	SHIMAN O MTB	ent (convent	-	-	-
	type	ional) Direct			
Applicable derailleur hanger		mount Direct	-	-	-
derailleur hanger	SHIMAN O ROAD type	attachm		1	1
		ent (convent ional)	•	•	•
		Direct	1	1	1
	UDH st	mount andard	7	-	-
Max. front	difference apacity		17T 40T	17T 38T	31T
Low sprocket	Macity Mac	ax. in.	36T 34T	34T 30T	42T 40T
· ·	M M	in. ax	34T 11T	30T 11T	40T 11T
Top sprocket	M	in.	11T 11T	11T 11T	11T
Fluoric coated	l link bushings Guide pulley		4 Sealed bearing	4 Sealed bearing	4 Sealed bearing
	bearing Tension pulley		3		
Pulley	Teeth Screws material		Sealed bearing 11/13T	Sealed bearing 13T	Sealed bearing 11T
			Stainless steel	Stainless steel	Stainless steel
	Sunken ty scr		✓		A1 :
Bracket	l Fin	erial iish	Aluminum Painted	Aluminum Anodized	Aluminum Anodized
B-axle	Hollov	w axle erial	Stainless steel	Stainless steel	Stainless steel
D-date	Fin	ish	-	-	-
B-axle 2		w axle erial	Aluminum	- Aluminum	Aluminum
	Fin Mat	ish erial	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Bracket body	I Fin	ish	Painted	Painted	Painted
P-axle	Material Finish		Steel -	Steel Plated	Steel Plated
Plate body	Material		GFRP	GFRP Painted	Aluminum Painted
Outer link	Finish Material		Aluminum	Aluminum	Aluminum
-		iish erial	Painted GFRP	Anodized GFRP	Painted Steel
Inner link	Fin	ish erial	- Aluminum	- Aluminum	Steel GFRP
Outer plate	Fin	ish	Painted	Painted	Painted
Inner plate	Mat Fin	erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted
Stroke adjusting screw	Mat	erial	Steel Plated	Steel Plated	Steel Plated
Di2 connectivity wired	connectivity Di2 shifting		√	√ /	√ ✓
wired	Di2 sl	nifting	1	-	-
	Bluetoot h® LE	Cycling power	-	-	-
	ANT+	Bicycle power	-	-	-
		Adjust mode			
		informat	√	-	-
		Di2			
		battery level	1	-	-
		Gear position SHIMAN	✓	-	-
	Bluetoot	SHIMAN O F-BIKE			
	h® LE custom (*1)	O E-BIKE SYSTEM S data	✓	-	-
	(^1)	items (*3)			
Di2 connectivity		Compati	_		
wireless		Compati ble with E-TUBE RIDE	✓	-	-
		i Compati			
		ble with E-TUBE	✓	-	-
		PROJECT Adjust			
		Adjust mode informat	✓	-	-
		Di2			
	ANT	battery level	✓	-	-
	private (*2)	Gear	1	-	-
		position SHIMAN O E-BIKE SYSTEM			
		SYSTEM	1	_	_
		S data items (*3)			
Firmware update SD50 p	by E-TUBE P	ROJECT	1		1
SD50 p	ort (pcs)		0	0	0
SD50 conr	port (pcs) nector (pcs)		<u>0</u>	0	, 0
LED for sys	nector (pcs) stem status		4	-	-
Chargi	ng port		EW-EC300	-	-
Charging cable Average weight (g) Note *1 Compatible with a Plustooth LE			310	287	318
cycle computer and s	martphone	tablet but			
with ANT+ cycle con	nputer but i	not freely	w/o Bracket spec. available		
Charding caple Average weight (a) Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT-cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS bike.					

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Front Derailleur

Ser	ies	GRX	GRX	
Mode		FD-RX825	FD-RX815-F	
	1	Series color	Series color	
Color	2	-	-	
Front	speeds	2	2	
Rear s	peeds	12	11	
Compati	ole chain	HG 12-speed	LINKGLIDE, HG 11-speed	
Action	TOP SWING	-	-	
Action	Down swing	✓	1	
	Clamp band1	-	-	
Mount	Clamp band2	-	-	
WOUNT	Clamp band3	-	-	
	Brazed-on	✓	✓	
Chain li	ne (mm)	47	47	
Chainstay a	ngle (deg.)	63-66	61-66	
Top gea	r teeth	46-48T	46-48T	
Total ca	apacity	17T	17T	
Link bu	ıshings	2	2	
Front clamp band	Material	-	-	
Tront clamp band	Finish	-	-	
Rear clamp band, base bracket	Material	Aluminum	Aluminum	
base bracket	Finish	Anodized	Painted	
Outer link	Material	GFRP	CFRP	
Outer link	Finish	-	Painted	
Inner link	Material	Steel	Steel	
IIIIei IIIIk	Finish	Plated	Plated	
Chain guide	Material	Steel	Steel	
Chain guide	Finish	Chrome plated	Chrome plated	
Maste	r unit	-	-	
Firmware update b	y E-TUBE PROJECT	✓	1	
SD50 po	ort (pcs)	0	1	
SD300 p	ort (pcs)	1	0	
SD50 conn	ector (pcs)	0	0	
SD300 con	nector (pcs)	0	0	
Average weight (g) direct type	(band type: L size, w/ screw)	142	135	
No	te			

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	Brake (Caliper Brake)	126	BR
	Brake (V-BRAKE)	131	BR
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Shift/Brake Lever (Hydraulic Disc Brake)

Se	ries		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mod	el no.		ST-R9120-R	ST-R9120-L	ST-R8020-R	ST-R8020-L	ST-R8025-R	ST-R8025-L
6.1		1	Series color	Series color	Series color	Series color	Black	Black
Color	:	2	-	-	-	-	-	-
Shifte	er type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front	speeds	-	2	-	2	-	2
	Rear	speeds	11	-	11	-	11	-
Shift lever	Max. mul (main le	tiple shifts ver/rear)	2	-	2	-	2	-
	Multi-l consti	bearing ruction	-	-	-	-	-	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Rear derailleu r side	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900
Shift lever cable	Inner cable	Polymer- coated cable	✓	1	1	1	1	•
		OPTISLIC K	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
	Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
		2	-	-	-	-	-	-
	Recomi brake	mended caliper	BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-R8070	BR-R8070
		Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Brake lever	Reach	adjust	✓	✓	1	1	1	✓
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel	bleeding	✓	1	1	1	1	1
	Free stro	ke adjust	✓	✓	1	✓	✓	1
	SERVO	WAVE	✓	✓	1	✓	✓	✓
	Mat	terial	CFRP	CFRP	Engineering composite	Engineering composite	Aluminum	Aluminum
	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	terial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
Bracket	Fin	nish	-	-	-	-	-	-
Clamp band	Mat	terial	Titanium	Titanium	Steel	Steel	Steel	Steel
Average	weight (g)		538 (/pair)	538 (/pair)	554 (/pair)	554 (/pair)	568 (/pair)	568 (/pair)
No	ote						For small hand.	For small hand.

Shift/Brake Lever (Hydraulic Disc Brake)

Se	Series		SHIMANO 105					
Mod	el no.		ST-R7120-R	ST-R7120-L	ST-R7020-R	ST-R7020-L	ST-R7025-R	ST-R7025-L
Color		1	Series color	Series color	Silky black	Silky black	Silky black	Silky black
Color		2	-	-	-	-	-	-
Shifte	er type		DUAL CONTROL LEVER					
	Front	speeds	-	2	-	2	-	2
	Rear	speeds	12	-	11	-	11	-
Shift lever	Max. mul (main le	tiple shifts ver/rear)	2	-	2	-	2	-
	Multi-l consti	bearing ruction	-	-	-	-	-	-
	Outor	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900	OT-RS900
Shift lever cable	Inner cable	Polymer- coated cable		-	-	-	-	
		OPTISLIC K	✓	1	1	1	1	✓
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
	Brake h	ose (kit)	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR
	Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose	1	Black	Black	Black	Black	Black	Black
	color (kit)	2	-	-	-	-	-	-
	Recomi brake	mended caliper	BR-R7170	BR-R7170	BR-R7070, BR-R7170	BR-R7070, BR-R7170	BR-R7070, BR-R7170	BR-R7070, BR-R7170
Burlin lavor	C	Dil	SHIMANO Mineral					
Brake lever	Reach	adjust	✓	1	1	1	1	✓
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel	bleeding	√	1	1	1	1	✓
	Free stro	ke adjust	-	-	-	-	-	-
	SERVO	WAVE	-	-	-	-	-	-
	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	terial	Engineering composite	Engineering composite				
Bracket	Fir	nish	-	-	-	-	-	-
Clamp band	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Average	weight (g)		612 (/pair)	612 (/pair)	610 (/pair)	610 (/pair)	619 (/pair)	619 (/pair)
No.	ote		-	-	-	-	For small hand.	For small hand.

ST SL

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Shift/Brake Lever (Hydraulic Disc Brake)

Se	ries		TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SHIMANO
Mod	el no.		ST-4720-R	ST-4720-L	ST-4725-R	ST-4725-L	ST-RS685-R	ST-RS685-L
Callan		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	-	2	-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front	speeds	-	2	-	2	-	2
	Rears	peeds	10	-	10	-	11	-
Shift lever	Max. mul (main le	tiple shifts ver/rear)	2	-	2	-	2	-
	Multi-l constr	pearing ruction	-	-	-	-	-	-
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Shift lever cable		Polymer- coated cable	-	-	-	-	✓	✓
	Inner	OPTISLIC K	1	1	1	1	-	-
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
	Brake h	ose (kit)	SM-BH90-J-SSR, SM- BH90-JK-SSR	SM-BH90-J-SSR, SM- BH90-JK-SSR	SM-BH90-J-SSR, SM- BH90-JK-SSR	SM-BH90-J-SSR, SM- BH90-JK-SSR	SM-BH59-J-SS, SM- BH59-JK-SS	SM-BH59-J-SS, SM- BH59-JK-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose	1	Black	Black	Black	Black	Black	Black
	color (kit)	2	-	-	-	-	White	White
	Recomi brake	nended caliper	BR-4770	BR-4770	BR-4770	BR-4770	BR-RS785	BR-RS785
	c	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Brake lever	Reach	adjust	✓	✓	1	1	1	✓
	Clamp ba	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel l	oleeding	✓	✓	1	1	1	1
	Free stro	ke adjust	-	-	-	-	1	1
	SERVO	WAVE	-	-	-	-	1	1
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Engineering composite	Engineering composite
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	erial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Aluminum	Aluminum
Bracket	Fin	ish	-	-	-	-	Painted	Painted
Clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Average v	weight (g)		-	-	-	-	649 (/pair)	649 (/pair)
No	ote				For small hand.	For small hand.		

Shift/Brake Lever (Hydraulic Disc Brake)

Sei	ries		SHIMANO	SHIMANO	
Mod	el no.		ST-RS405-R	ST-RS405-L	
Color		1	Dark gray	Dark gray	
Color		2	-	-	
Shifte	er type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front	speeds	-	2	
	Rear	peeds	10	10	
Shift lever	Max. mul (main le	tiple shifts ver/rear)	2	-	
	Multi-l consti	pearing ruction	-	-	
	Outor	Lever side	OT-SP41	OT-SP41	
	Outer casing	Rear derailleu r side	OT-SP41	OT-SP41	
Shift lever cable		Polymer- coated cable	-	-	
	Inner cable	OPTISLIC K	1	1	
	cable	SIL-TEC	-	-	
		Stainless	-	-	
		Steel	-	-	
	Brake h	ose (kit)	SM-BH59-J-SS	SM-BH59-J-SS	
	Hose joint		Straight	Straight	
	Brake hose	1	Black	Black	
	hose color (kit)	2	-	-	
	Recomi brake	mended caliper	BR-RS405	BR-RS405	
	C	Dil	SHIMANO Mineral	SHIMANO Mineral	
Brake lever	Reach	adjust	1	1	
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	
	Funnel	bleeding	1	1	
	Free stro	ke adjust	-	-	
	SERVO	WAVE	-	-	
	Mat	erial	Aluminum	Aluminum	
	Fir	ish	Painted	Painted	
Bracket	Mat	erial	Aluminum	Aluminum	
2.3000	Fir	nish	Painted	Painted	
Clamp band	Mat	erial	Steel	Steel	
Average v	weight (g)		-	-	
No	ote				

WH WH

Shift/Brake Lever

Series			DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA
Mode			ST-R9100-R	ST-R9100-L	ST-9001	ST-R8000-R	ST-R8000-L	ST-6800
		1	Series color					
Color		2	-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER					
	Front	speeds	-	2	2	-	2	2
Shift lever	Rear s	peeds	11	-	11	11	-	11
	Multi-k constr	earing ruction	R:4 L:4	R:4 L:4	R:4 L:4	*	*	_*
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	casing	Rear derailleu r side	OT-RS900	OT-RS900	OT-SP41 sealed	OT-RS900	OT-RS900	OT-SP41 sealed
Shift lever cable		Polymer- coated cable	1	1	1	1	1	1
5	Inner	OPTISLIC K	-	-	-	-	-	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	1
		Steel	-	-	-	-	-	-
	Reach	adjust	Screw	Screw	Screw	Screw	Screw	Screw
	Clamp ba	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	SLR	R-EV	✓	1	✓	✓	✓	✓
Brake lever	NEW SU	IPER SLR	-	-	-	-	-	-
	SUPE	R SLR	-	-	-	-	-	-
	Mat	erial	Carbon	Carbon	Carbon	CFRP	CFRP	CFRP
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Procket	Mat	erial	CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
Bracket	Fin	ish	CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
Average v	veight (g)		365 (/pair)	365 (/pair)	365 (/pair)	220	218	425 (/pair)
No	te					* Use bush	* Use bush	* Use bush

Shift/Brake Lever

Series		SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	TIAGRA	
Mode	el no.		ST-R7000-R	ST-R7000-L	ST-5800	ST-4700-R	ST-4700-L	ST-4703-L
Color		1	Silky black	Silky black	Black	Series color	Series color	Series color
Color		2	Spark silver	Spark silver	Silver	-	-	-
Shifte	r type		DUAL CONTROL LEVER					
	Front	speeds	-	2	2	-	2	3
Shift lever	Rears	peeds	11	-	11	10	-	-
	Multi-l constr	pearing ruction	0	0	0	0	0	0
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-RS900	OT-RS900	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed
Shift lever cable		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	1	✓	1	1	1	✓
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	1
		Steel	-	-	-	-	-	-
	Reach	adjust	Screw	Screw	Screw	screw	Screw	Screw
	Clamp ba	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	SLR	R-EV	1	✓	1	✓	1	✓
Brake lever	NEW SU	JPER SLR	-	-	-	-	-	-
	SUPE	R SLR	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Diacket	Fin	ish	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Average v	veight (g)		251	249	486 (/pair)	-	-	-
No	ote		-	-				

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Shift/Brake Lever

Se	ries		SORA	SORA	SORA	CLARIS	CLARIS	CLARIS
Mod	el no.		ST-R3000-R	ST-R3000-L	ST-R3030-L	ST-R2000-R	ST-R2000-L	ST-R2030-L
Color		1	Series color					
Color	:	2	-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER					
	Front	speeds	-	2	3	-	2	3
Shift lever	Rear	peeds	9	-	-	8	-	-
	Multi-l consti	pearing ruction	0	0	0	-	-	-
Outo	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	casing	Rear derailleu r side	OT-SP41 sealed					
Shift lever cable		Polymer- coated cable	-	-	-	-	-	-
Jime level cable	Inner cable	OPTISLIC K	1	1	1	1	1	1
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	~	✓	1	-	-	-
		Steel	-	-	-	1	1	✓
	Reach	adjust	Screw	Screw	Screw	Screw	Screw	Screw
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	SLF	R-EV	-	-	-	-	-	-
Brake lever	NEW SU	JPER SLR	✓	✓	1	1	1	1
	SUPE	R SLR	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fir	ish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Diacicc	Fir	ish	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Average	weight (g)		-	-	-	-	-	-
No	ote							

Shift/Brake Lever

Sei	ries		CLARIS	CLARIS	CLARIS
Mode	el no.		ST-RS200-R	ST-RS200-L	ST-RS203-L
Color		1	Series color	Series color	Series color
Color	:	2	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
	Front speeds		-	2	3
Shift lever	Rear	peeds	8	-	-
	Multi-l consti	pearing ruction	-	-	-
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41
	casing	Rear derailleu r side	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed
Shift lever cable	Inner cable	Polymer- coated cable	-	-	-
		OPTISLIC K	~	1	1
		SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	~	1	1
	Reach	adjust	~	1	1
	Clamp b	and (mm)	22.2	22.2	22.2
	SLF	R-EV	-	-	-
Brake lever	NEW SU	JPER SLR	-	-	-
	SUPE	R SLR	✓	1	1
	Mat	erial	Aluminum	Aluminum	Aluminum
	Fir	ish	Painted	Painted	Painted
Bracket	Mat	erial	Aluminum	Aluminum	Aluminum
Biacket	Fir	ish	Painted	Painted	Painted
Average v	weight (g)		-	-	-
No	ote				

ST

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RD

FD

ВВ

НВ

FH

WH

WH

НР

СТ

ST

SW

RD

FD

Shifter

Ser	ies		DURA-ACE	SHIMANO	SHIMANO	DURA-ACE	TIAGRA	TIAGRA
Mode	el no.		SL-BSR1	SL-RS700	SL-RS700-I	SL-7900	SL-4700	SL-4703
		1	Series color	Black	Black	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Shifte	r type		Bar end shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down tube shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	peeds		2	2	2	2/3	2	3
Rear s	peeds		11	11	11	10	10	-
Compatible rear	derailleur	type	ROAD 11-speed	ROAD 11-speed	ROAD 11-speed	ROAD 10-speed	RD-4700	RD-4700
	Clamp	band	-	1	-	-	1	1
Mount type	I-SP	EC B	-	-	-	-	-	-
	I-SP	EC II	-	-	1	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever o	able adjust	t	-	1	1	-	1	1
Max. multiple shift	s (main lev	er/rear)	-	4	4	-	4	-
	MULTI F	RELEASE	-	*✔ (right)/- (left)	*✔ (right)/- (left)	-	-	-
Release function	INSTANT RELEASE		-	1	✓	-	√ (rear)	-
	2-WAY RELEASE		-	1	✓	-	✓	1
	w	ith	-	-	-	-	✓	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Witl	hout	✓	1	1	1	-	-
Multi-bearing	constructi	on	-	R:2 L:2	R:2 L:2	-	R:2 L:2	2
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
Jiiit level cable	cable	SIL-TEC	✓	1	1	1	-	-
		Stainless	✓	1	✓	✓	✓	✓
		Steel	-	-	-	-	-	-
Shift lever bracket	Mat	erial	-	Aluminum	Aluminum	-	Aluminum	Aluminum
Jille level Bracket	Fin	ish	-	Painted	Painted	-	Painted	Painted
Clamp screw	Mat	erial	-			-		
3.0	Fin	ish	-			-		
Main lever body	Mat	erial	Aluminum	CFRP	CFRP	Aluminum	Aluminum	Aluminum
	Fin	ish	Clear coated	Painted	Painted	Clear coated	Painted	Painted
Release lever body	Mat	erial	-	Steel+GFRP	Steel+GFRP	-	Steel+Resin	Steel+Resin
	Fin		-	-	-	-	-	-
Recommended shift		er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		153 (/pair)	210 (/pair)	210 (/pair)	63 (/pair)	-	-
No	te			* Pull: single Push: double	* Pull: single Push: double			

Shifter

Ser	Series		TIAGRA	DURA-ACE	SORA	SORA	SORA	CLARIS
Mode	el no.		SL-4603	SL-7700	SL-R3000-R	SL-R3000-L	SL-R3030-L	SL-R2000-R
Color		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	:	2	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	Down tube shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	speeds		3	2/3	-	2	3	-
Rear s	peeds		-	9	9	-	-	8
Compatible rea	r derailleur	type	-	ROAD 9-speed	RD-R3000	FD-R3000	FD-R3030	ROAD 8-speed
	Clamp	band	1	-	1	1	✓	✓
Mount type	I-SPEC B		-	-	-	-	-	-
	I-SP	EC II	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever	able adjus	t	1	-	1	1	1	1
Max. multiple shift	s (main lev	er/rear)	-	-	3	-	-	3
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT RELEASE		-	-	-	-	-	-
	2-WAY RELEASE		✓	-	✓	✓	✓	✓
	w	ith	✓	-	✓	✓	✓	✓
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	Wit	hout	-	1	-	-	-	-
Multi-bearing	constructi	on	2	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	1	1	1	1
5	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	-
		Steel	-	-	-	-	-	1
Shift lever bracket	Mat	erial	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
Sint level blacket	Fir	ish	Painted	-	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial		-				
c.cp sereer	Fir	nish		-				
Main lever body	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel+Resin
	Finish		Painted	Clear coated	Painted	Painted	Painted	-
Release lever body	Mat	erial	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	Fir	ish	-	-	-	-	-	-
Recommended shif	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
No	ote							

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Shifter

Se	ries		CLARIS	CLARIS	SHIMANO
Mod	el no.		SL-R2000-L	SL-R2030-L	SL-R400
Color		1	Series color	Series color	Series color
Color		2	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down tube shifter
Front	Front speeds		2	3	2/3
Rears	peeds		-	-	8
Compatible rea	r derailleur	type	-	-	ROAD 8-speed
	Clam	band	✓	✓	-
Mount type	I-SP	EC B	-	-	-
	I-SP	EC II	-	-	-
Shift lever po	osition adju	ıst	-	-	-
Shift lever	cable adjus	t	1	1	-
Max. multiple shif	ts (main lev	er/rear)	-	-	-
	MULTI	RELEASE	-	-	-
Release function	INSTANT RELEASE		-	-	-
	2-WAY RELEASE		1	1	-
	With		1	1	-
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-
	Wit	hout	-	-	1
Multi-bearing	g constructi	on	-	-	-
		Polymer- coated cable	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	1	1	-
Silit level cable	cable	SIL-TEC	-	-	-
		Stainless	-	-	✓
		Steel	✓	•	-
Shift lever bracket	Mat	terial	Aluminum	Aluminum	-
Shirt lever bracket	Fir	nish	Painted	Painted	-
Clamp serous	Mat	terial			-
Clamp screw	Fir	nish			-
Main lover had:	Mat	terial	Steel+Resin	Steel+Resin	Aluminum
Main lever body	Fir	nish	-	-	Painted
Polosco lover bod	Material		Steel+Resin	Steel+Resin	-
Release lever body	Fir	nish	-	-	-
Recommended shif	t lever out	er casing	OT-SP41	OT-SP41	OT-SP41
Average	weight (g)		-	-	-
No.	ote				

Brake Lever (Hydraulic Disc Brake)

Sei	ries	SHIMANO				
Mode	Model no.					
Brake	Brake type					
	Lever size (finger)					
	1	Black				
Color	2	-				
	3	-				
Brake h	ose (kit)	SM-BH59-JK-SS				
Hose	joint	Straight				
Prako hoso solor	1	Black				
Brake hose color (kit)	2	-				
J-Kit spec	(for OEM)	1				
SERVO	WAVE	-				
	Toolless	-				
Reach adjust	Tool	1				
Free stro	ke adjust	-				
	Clamp band	1				
Compatible shifter mount	I-SPEC B	-				
	I-SPEC II	1				
Clause hand	Open clamp	1				
Clamp band	Diameter (mm)	22.2				
Recommended	d brake caliper	BR-RS405				
C	Dil	SHIMANO mineral				
Funnel I	bleeding	1				
Clarent severi	Material	Stainless steel				
Clamp screw	Finish	-				
Bracket	Material	-				
ыаскес	Finish	-				
Brake lever	Material	Aluminum				
DI GRE IEVEI	Finish	Anodized				
Master cylinder	Material	Aluminum				
master cylliner	Painted					
Average v	Average weight (g)					
No	ote					

WH

Brake Lever

Se	ries	DURA-ACE	TIAGRA	SORA	CLARIS	SHIMANO	SHIMANO
Mod	el no.	BL-TT79	BL-4700	BL-R3000	BL-R2000	BL-R780	BL-R550
	1	Black	Series color	Series color	Series color	Silver	Silver
Color	2	-	-	-	-	Black	Black
	3	-	-	-	-	-	-
	V-BRAKE	-	1	1	1	1	-
	Mechanical disc brake (Road)	1	1	1	1	1	1
Compatible brake type	Caliper (NEW SUPER SLR)	✓	✓	1	1	1	-
	Caliper (SUPER SLR)	-	-	-	-	-	1
	Cantilever brake	✓	✓	✓	✓	✓	✓
	Roller brake	-	-	-	-	-	-
Recommended	V-BRAKE	-	-	-	-	-	-
Recommended POWER MODULATOR	Mechanical disc brake (MTB)	-	-	-	-	-	-
	Open clamp band	-	-	-	-	-	-
Clamp band	I-SPEC	-	-	-	-	-	-
	Diameter (mm)	*	22.2	22.2	22.2	22.2	22.2
Internal b	umper stop	-	✓	1	✓	✓	-
Lever siz	e (finger)	-	2.5	2.5	2.5	2.5	2.5
Brake ca	able type	-	T-type	T-type	T-type	T-type	T-type
Power	adjuster	-	-	-	-	-	-
SERVO	WAVE	-	-	-	-	-	-
Reach	adjust	✓	✓	✓	✓	1	✓
Cable	adjust	-	✓	✓	✓	1	✓
Cable ac	ljust type	-	Two hand	Two hand	Two hand	Two hand	Two hand
Brake lever	Material	CFRP	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Di ake lever	Finish	Painted	Anodized	Anodized	anodized	Anodized	Anodized
Brake bracket	Material	CFRP	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diane Diacket	Finish	Painted	Painted	Painted	painted	Painted	Painted
Average	weight (g)	89 (/pair)	-	-	-	170 (/pair)	-
Note		* Fixation structure is expanding plug clamp, handle bar inside diameter: 19.0 - 22.5 dim, handle bar outside diameter: 22.2 - 24.0 dim.					

Brake Lever

Se	ries	SHIMANO
Mod	BL-R400	
Wida	Series color	
Color	2	Jeries Color
Color	_	-
	3	-
	V-BRAKE	-
	Mechanical disc brake (Road)	-
Compatible brake type	Caliper (NEW SUPER SLR)	-
,.	Caliper (SUPER SLR)	✓
	Cantilever brake	-
	Roller brake	-
Recommended	V-BRAKE	-
POWER MODULATOR	Mechanical disc brake (MTB)	-
	Open clamp band	-
Clamp band	I-SPEC	-
	Diameter (mm)	23.8-24.2
Internal b	umper stop	-
Lever siz	e (finger)	-
Brake ca	able type	-
Power	adjuster	-
SERVO) WAVE	-
Reach	adjust	-
Cable	adjust	-
Cable ac	ljust type	-
	Material	Aluminum
Brake lever	Finish	Barrel
	Material	Aluminum
Brake bracket	Anodized	
Average	-	
Ne		

BL BR BR ВВ НВ FH WH WH ΗР

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Brake (Hydraulic Disc Brake)

Ser	ies	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA
Mode	el no.	BR-R9270	BR-R9170-F	BR-R9170-R	BR-R8170	BR-R8070-F	BR-R8070-R
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	✓	✓	1	✓	1	1
ICE TECHNOLOGIES p	ad compatible caliper	✓	✓	1	✓	1	✓
	Standard 1	K05Ti-RX Resin (w/o fin)	K05Ti-RX Resin (w/o fin)	K05Ti-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
Pad	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
. du	Option 1	K04Ti-MX Metal (w/ o fin)	K04Ti-MX Metal (w/ o fin)	K04Ti-MX Metal (w/ o fin)	L04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)
	Option 2	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)
	10 mm mount	✓	-	-	✓	-	1
	15 mm mount	✓	-	✓	✓	-	✓
	20 mm mount	✓	-	1	1	-	1
Fixing screw spec	25 mm mount	~	-	1	✓	-	1
Fixing screw spec for rear mount	30 mm mount	1	-	1	1	-	1
	35 mm mount	~	=	1	✓	-	•
	15.2 mm	-	-	-	-	-	-
	18.7 mm	1	-	-	-	-	-
Recommende	d brake lever	ST-R9270 ST-R9180	ST-R9180 ST-R9170 ST-R9120	ST-R9180 ST-R9170 ST-R9120	ST-R8170	ST-R8070 ST-R8020	ST-R8070 ST-R8020
Recommended	disc brake rotor	RT-MT900 RT-CL900	SM-RT900 RT-MT900 RT-CL900	SM-RT900 RT-MT900 RT-CL900	RT-MT800 RT-CL800	SM-RT800	SM-RT800
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	✓	1	1	1	1	1
Moun	t type	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount
Pist	on	2	2	2	2	2	2
Piston n	naterial	Resin	Ceramic	Ceramic	Resin	Ceramic	Ceramic
	MONO-BODY	1	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Painting	Anodized	Anodized
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	4 mm	4 mm	4 mm	4 mm	4 mm	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin
Pad m	nount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v	veight (g)	97	131	111	123	141	124
No	te						

Brake (Hydraulic Disc Brake)

Ser	ies	SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	SHIMANO
Mode	el no.	BR-R7170	BR-R7070-F	BR-R7070-R	BR-4770-F	BR-4770-R	BR-RS785
	1	Black	Silky black	Silky black	Series color	Series color	Series color (ULTEGRA)
Color	2	-	Spark silver	Spark silver	-	-	-
	3	-	-	-	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-J-SSR SM-BH90-JK-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR, SM-BH90-J-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR
Hose	joint	Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color	1	Black	Black	Black	Black	Black	Black
Brake hose color (kit)	2	-	-	-	-	-	White
J-Kit spec	(for OEM)	1	1	1	1	1	✓
ICE TECHNOLOGIES p	ad compatible caliper	1	1	1	-	-	✓
	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	J05A-RF Resin (w/ fin)
Do.d	Standard 2	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	J04C-MF Metal (w/ fin)
Pad	Option 1	L04C-MF Metal (w/ fin)	K04S-MX Metal (w/o fin)	K04S-MX Metal (w/o fin)	L03A-RF Resin (w/ fin)	L03A-RF Resin (w/ fin)	G03A-RX Resin (w/o fin)
	Option 2	-	L04C-MF Metal (w/ fin)	L04C-MF Metal (w/ fin)	-	-	-
	10 mm mount	*	-	✓	-	1	-
	15 mm mount	1	-	1	-	1	-
	20 mm mount	1	-	1	-	1	-
Fixing screw spec	25 mm mount	1	-	1	-	1	-
Fixing screw spec for rear mount	30 mm mount	1	-	1	-	1	-
	35 mm mount	✓	-	1	-	1	-
	15.2 mm	-	-	-	-	-	-
	18.7 mm	-	-	-	-	-	✓
Recommende	d brake lever	ST-R7170	ST-R7020 ST-R7025	ST-R7020 ST-R7025	ST-4720 ST-4725	ST-4720 ST-4725	ST-R8070
Recommended	disc brake rotor	SM-RT70, SM-RT64	SM-RT70	SM-RT70	SM-RT64	SM-RT64	SM-RT99
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	✓	1	1	1	1	✓
Moun	t type	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Post type
Pist	ton	2	2	2	2	2	2
Piston n	naterial	Resin	Ceramic	Ceramic	Resin	Resin	Ceramic
	MONO-BODY	-	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	4 mm	4 mm	4 mm	4 mm	4 mm	5 mm
	Anti loosen method	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin	Screw fix pin+Snap ring	Screw fix pin	Snap ring
Pad m	nount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v	veight (g)	123	141	124	-	-	271 (/pair)
No	te		_			_	

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Brake (Hydraulic Disc Brake)

Ser	ries	SHIMANO	SHIMANO	
Mode	el no.	BR-RS405-F	BR-RS405-R	
	1	Dark gray	Dark gray	
Color	2	-	-	
	3	-	-	
Brake	type	Hydraulic disc brake	Hydraulic disc brake	
Brake h	ose (kit)	SM-BH59-J-SS SM-BH59-JK-SS	SM-BH59-J-SS SM-BH59-JK-SS	
Hose	joint	Straight	Straight	
Brake hose color (kit)	1	Black	Black	
(kit)	2	-	-	
J-Kit spec	(for OEM)	1	1	
ICE TECHNOLOGIES p	ad compatible caliper	✓	✓	
	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	
Pad	Standard 2	-	-	
Pad	Option 1	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)	
	Option 2	-	-	
	10 mm mount	-	✓	
	15 mm mount	-	✓	
	20 mm mount	-	✓	
Fixing screw spec	25 mm mount	-	✓	
Fixing screw spec for rear mount	30 mm mount	-	1	
	35 mm mount	-	✓	
	15.2 mm	-	-	
	18.7 mm	-	-	
Recommende	d brake lever	ST-RS405 BL-RS600	ST-RS405 BL-RS600	
Recommended	disc brake rotor	SM-RT70	SM-RT70	
0	il	SHIMANO mineral	SHIMANO mineral	
ONE WAY	BLEEDING	✓	✓	
Moun	t type	Flat mount	Flat mount	
Pist	ton	2	2	
Piston r	material	Resin	Resin	
	MONO-BODY	-	-	
Caliper	Material	Aluminum	Aluminum	
	Finish	Painted	Painted	
	Material	Steel	Steel	
Caliper fixing screw	Tool size	4 mm	4 mm	
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin	
Pad n	nount	Pad axle	Pad axle	
Average v	veight (g)	-	-	
No	ote			

Brake (Mechanical Disc Brake)

			·	
Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	BR-R317	BR-RS305-F	BR-RS305-R
Color	1	Black	Black	Black
Color	2	-	-	-
Brake	type	Mechanical disc brake	Mechanical disc brake	Mechanical disc brake
Compa	ntibility	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
ICE TECHNOLOGIES p	ad compatible caliper	-	1	1
	Standard 1	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
Pad	Standard 2	-	-	-
rau	Option 1	-	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 2	-	-	-
	10 mm mount	-	-	✓
	15 mm mount	-	-	✓
Fixing screw spec	20 mm mount	-	-	1
Fixing screw spec for rear mount	25 mm mount	-	-	1
	30 mm mount	-	-	1
	35 mm mount	-	-	1
Recommende	ed brake lever	BL-R2000	-	-
Recommended	disc brake rotor	SM-RT54 (160 mm), SM-RT70 (140 mm)	SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)	SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)
Mour	t type	Post type	Flat mount	Flat mount
Pis	ton	1	1	1
Piston	material	-	-	-
	MONO-BODY	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted
	Material	Steel	Steel	Steel
Caliper fixing screw	Tool size	5 mm	4 mm	4 mm
	Anti loosen method	Snap ring	Screw fix pin+Snap ring	Screw fix pin
Pad r	nount	Pad axle	Pad axle	Pad axle
Average	weight (g)	-	-	-
No	ote	SHIMANO logo	SHIMANO logo	SHIMANO logo

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Brake (Caliper Brake)

Ser	ies		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Mode	el no.		BR-R9200	BR-R9210-F	BR-R9210-RS	BR-R9100	BR-R9110-F	BR-R9110-R
	1	l	Series color					
Color	Color 2		-	-	-	-	-	-
Ту	ре		SLR-EV Dual Pivot	Direct mount type	Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type
Reach	(mm)		51	51	51	51	51	51
	Stan	dard	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4
Brake shoe	Optiona	l choice	R55C4 Carbon, R55C4-A Carbon, R55CT4					
Compa	tibility		SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
		10.5	1	-	-	1	-	-
		12.5	1	-	-	1	-	-
A	Front (mm)	18.0	✓	-	-	✓	-	-
Assembly pivot nut (mm)		27.0	1	-	-	1	-	-
		32.0	1	-	-	1	-	-
	Rear (mm)	10.5	1	-	-	1	-	-
Cartridge s	hoe holder		√	1	1	✓	1	✓
Tire guide	Tire guide bumpers		✓	1	1	1	1	^
Quick rele	ase lever		1	1	1	1	1	-
Shoe angle	adjusting		1	1	1	1	1	1
Spring tension	on adjustin	9	-	-	-	-	-	1
Maximun	n tire size		28C	28C	28C	28C	28C	28C
Rim wid	th (mm)		20.8-28	20.8-28	20.8-28	20.8-28	20.8-28	20.8-28
Cartridge shoe holder	Mat	erial	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium
holder	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
C 2	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
V	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Y-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Gata	Mat	erial	Aluminum	-	-	Aluminum	-	-
Gate	Fin	ish	Anodized	-	-	Anodized	-	-
Quick release lever	Mat	erial	Resin	Resin	Resin	Resin	Resin	-
Quick release lever	Fin	ish	Painted	Painted	Painted	Painted	Painted	-
Titanium cable	e fixing scre	ew	✓	1	1	✓	1	~
Titanium	pivot bolt		1	√ (fixing screw)	√ (fixing screw)	1	√ (fixing screw)	√ (fixing screw)
Average v	veight (g)		327 (/pair)	156 (/pc)	154 (/pc)	327 (/pair)	150 (/pc)	139 (/pc)
No	te							Need inline cable adjuster (SM-CB90) for cable adjusting and guick release feature.

Brake (Caliper Brake)

Series		DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	SHIMANO	ULTEGRA	
Mode	el no.		BR-R9110-RS	BR-R8100	BR-R8110-F	BR-R8110-RS	BR-RS811-R	BR-R8000
Calan		1	Series color	Series color	Series color	Series color	Black	Series color
Color	2	2	-	-	-	-	-	-
Ту	pe		Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot
Reach	(mm)		51	51	51	51	51	51
	Stan	dard	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4
Brake shoe	Optiona	al choice	R55C4 Carbon, R55C4-A Carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4				
Compa	tibility		SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
		10.5	-	1	-	-	-	1
		12.5	-	1	-	-	-	✓
A	Front (mm)	18.0	-	1	-	-	-	✓
Assembly pivot nut (mm)		27.0	-	1	-	-	-	✓
		32.0	-	1	-	-	-	✓
	Rear (mm)	10.5	-	1	-	-	-	1
Cartridge s	hoe holder		✓	✓	1	✓	✓	✓
Tire guide	bumpers		1	1	1	1	1	1
Quick rele	ase lever		1	1	1	1	-	1
Shoe angle	adjusting		1	1	1	1	1	✓
Spring tension	on adjustin	g	-	-	-	-	1	-
Maximun	n tire size		28C	28C	28C	28C	28C	28C
Rim wid	th (mm)		20.8-28	20.8-28	20.8-28	20.8-28	20.8-28	20.8-28
Cartridge shoe	Mat	erial	Magnesium	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cartridge shoe holder	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
C	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Anodized
V	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Y-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Anodized
Cata	Mat	erial	-	Aluminum	-	-	-	Aluminum
Gate	Fin	ish	-	Anodized	-	-	-	Anodized
Quick roleses love	Mat	erial	Resin	Resin	Resin	Resin	-	Resin
Quick release lever	Quick release lever Finish		Painted	Painted	Painted	Painted	-	-
Titanium cabl	e fixing scr	ew	√	-	-	-	-	-
Titanium	pivot bolt		√ (fixing screw)	-	-	-	-	-
Average v	veight (g)		148 (/pc)	182 (Front) 180 (Rear)	180 (/pc)	178 (/pc)	-	182 (Front) 178 (Rear)
No	te						Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.	

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Brake (Caliper Brake)

Ser	ies		ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mode	el no.		BR-R8010-F	BR-R8010-R	BR-R8010-RS	BR-6800	BR-6810-F	BR-6810-RS
Calan	1	ı	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
Ту	ре		Direct mount type	Direct mount type	Direct mount type	SLR-EV Dual Pivot	Direct mount type	Direct mount type
Reach	(mm)		51	51	51	51	51	51
	Stan	dard	R55C4	R55C4	R55C4	R55C4	R55C4	R55C4
Brake shoe	Optiona	l choice	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon	R55C4 carbon, R55C4-A carbon	R55C4 carbon, R55C4-A carbon
Compa	tibility		SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
		10.5	-	-	-	1	-	-
		12.5	-	-	-	✓	-	-
Accombly pivot put	Front (mm)	18.0	-	-	-	✓	-	-
Assembly pivot nut (mm)		27.0	-	-	-	1	-	-
		32.0	-	-	-	1	-	-
	Rear (mm)	10.5	-	-	-	1	-	-
Cartridge s	hoe holder		1	✓	✓	1	1	✓
Tire guide	bumpers		1	~	√	1	1	~
Quick rele	ase lever		1	-	1	1	1	1
Shoe angle	adjusting		1	1	1	1	1	1
Spring tension	on adjustin	g	-	1	-	1	-	-
Maximun	n tire size		28C	28C	28C	25C	28C	28C
Rim wid	th (mm)		20.8-28	20.8-28	20.8-28	19-28	19-28	19-28
Cartridge shoe holder	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
holder	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
C-arm	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Y-arm	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
1-aiiii	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Gate	Mat	erial	-	-	-	Aluminum	-	-
Gate	Fin	ish	-	-	-	Anodized	-	-
Quick release lever	Mat	erial	Resin	-	Resin	Aluminum	Aluminum	Aluminum
Quick release level	Fin	ish	-	-	-	Painted	Painted	Painted
Titanium cabl	e fixing scre	ew	-	-	-	-	-	-
Titanium	pivot bolt		-	-	-	-	-	-
Average v	veight (g)		174 (/pc)	160 (/pc)	172 (/pc)	335 (/pair)	173 (/pc)	168 (/pc)
No	te			Need inline cable adjuster (SM-CB90) for cable adjusting and quick release feature.		* Rim width: 19-28 mm (R55C4-A carbon)	* Rim width: 19-28 mm (R55C4-A carbon)	* Rim width: 19-28 mm (R55C4-A carbon)

Brake (Caliper Brake)

Ser	ies		SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	SORA	CLARIS
Mode	el no.		BR-R7000	BR-R7010-F	BR-R7010-RS	BR-4700	BR-R3000	BR-R2000
Color		1	Silky black	Silky black	Silky black	Series color	Series color	Series color
Color	2		Spark silver	=	-	-	-	-
Ту	pe		SLR-EV Dual Pivot	Direct mount type	Direct mount type	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot	NEW SUPER SLR Dual pivot
Reach	(mm)		51	51	51	51	51mm	51mm
	Stan	dard	R55C4	R55C4	R55C4	R50T5	R50T5	R50T5
Brake shoe	Optiona	al choice	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R55C4 carbon, R55C4-A carbon, R55CT4	R50T4	R50T4	R50T4
Compa	tibility		SLR-EV	SLR-EV	SLR-EV	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
		10.5	1	-	-	1	1	1
		12.5	1	-	-	1	1	1
	Front (mm)	18.0	1	-	-	1	1	1
Assembly pivot nut (mm)		27.0	1	-	-	1	1	1
		32.0	1	-	-	1	1	1
	Rear (mm)	10.5	1	-	-	1	1	1
Cartridge shoe holder		1	✓	1	-	-	-	
Tire guide	bumpers		1	1	1	-	-	-
Quick rele	ase lever		1	1	1	1	1	1
Shoe angle	adjusting		1	✓	1	✓	1	1
Spring tension	on adjustin	g	-	-	-	-	-	-
Maximum	tire size		28C	28C	28C	28C	28 mm	28 mm
Rim wid	th (mm)		20.8-28	20.8-28	20.8-28	19-26	19-28	19-26
Cartridge shoe holder	Mat	erial	Aluminum	Aluminum	Aluminum	-	-	-
holder	Fin	ish	Painted	Painted	Painted	-	-	-
Carm	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Y-arm	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
1-ariii	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Gate	Mat	erial	Aluminum	-	-	Aluminum	Aluminum	Aluminum
date	Fin	ish	Anodized	-	-	Anodized	Anodized	Anodized
Quick release lever	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Zuick icicase ievel	Fin	ish	-	-	-	Painted	-	-
Titanium cable	e fixing scre	ew	-	-	-	-	-	-
Titanium į	pivot bolt		-	-	-	-	-	-
Average v	veight (g)		379 (/pair)	174 (/pc)	174 (/pc)	-	-	-
No	te		-	-	-			

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Brake (Caliper Brake)

Ser	ries		SHIMANO	SHIMANO	
Mode	el no.		BR-R561	BR-R451	
Callan		1	Silver	Black	
Color	2	2	Black	Silver	
Ту	pe		NEW SUPER SLR Dual pivot	SUPER SLR Dual Pivot	
Reach	(mm)		49	57	
	Stan	dard	R55C3	R50T2	
Brake shoe	Optiona	al choice	R55C for ceramic rim, R55C3 for carbon rim	-	
Compa	tibility		NEW SUPER SLR	SUPER SLR	
		10.5	1	1	
		12.5	1	1	
	Front (mm)	18.0	1	1	
Assembly pivot nut (mm)		27.0	1	1	
		32.0	-	-	
	Rear (mm)	10.5	1	1	
Cartridge s	hoe holder		1	-	
Tire guide	bumpers		-	-	
Quick rele	ease lever		1	1	
Shoe angle	adjusting		1	1	
Spring tensi	on adjustin	g	-	-	
Maximun	n tire size		28C	32C	
Rim wid	th (mm)		19-26	19-26	
Cartridge shoe holder	Mat	erial	Aluminum	-	
holder	Fin	ish	Painted	-	
	Mat	erial	Aluminum	Aluminum	
C-arm	Fin	ish	Anodized	Painted	
V	Mat	erial	Aluminum	Aluminum	
Y-arm	Fin	ish	Anodized	Painted	
Gets	Mat	erial	Aluminum	Aluminum	
Gate	Fin	ish	Anodized	Painted	
Quick voloage lever	Mat	erial	Zinc	Resin	
Quick release lever	Quick release lever Finish			-	
Titanium cabl	e fixing scr	ew	-	-	
Titanium	pivot bolt		-	-	
Average v	veight (g)		-	-	
No	ote		Maximum tire size: 28 mm	Quick release lever wider open Maximum tire size: 32 mm	

Brake (V-BRAKE)

Ser	ries	SHIMANO			
Mode	el no.	BR-R353			
	1	Silver			
Color	2	Black			
	3	-			
Brake	type	V-BRAKE			
	Standard 1	S70T			
Brake shoe	Standard 2	-			
Brake snoe	Option 1	M70T4			
	Option 2	-			
Cartridge s	hoe holder	-			
Arch siz	Arch size (mm)				
C	X type	✓			
Spacer type	Y type	-			
Compatible lead	pipe angle (deg.)	45/90/135			
Sleeve & bu	ushing axle	✓			
M / I'	Material	Aluminum			
V-arm/caliper	Finish	Painted			
Fixing screw length	16	1			
Fixing screw length (mm)	25	1			
	Material	Steel			
Fixing screw	Finish	Plated (black)			
	Chamfered screw	-			
POWER MO	ODULATOR	-			
Linear	Linear spring				
Threaded bra	ike shoe post	1			
Average v	veight (g)	-			
No	ote	SHIMANO logo			

Brake (Cantilever Brake)

Sei	ries	SHIMANO			
Mode	el no.	BR-CX50			
Color	1	Silver			
Color	2	-			
Brake	type	Cantilever brake			
Rea	ach	-			
Brake shoe	Standard	R50T2			
brake snoe	Optional choice	-			
Compa	ntibility	NEW SUPER SLR			
Assembly pi	Assembly pivot nut (mm)				
Cartridge s	hoe holder	-			
Tire guide	bumpers	-			
Quick rele	ease lever	-			
Toe-in	adjust	✓			
Spring tensi	on adjusting	✓			
Cartridge shoe holder	Material	-			
holder	Finish	-			
Cantilever	Material	Aluminum			
Cantilever	Finish	Anodized			
Average v	weight (g)	175			
No	ote	Cyclocross usage			

Brake Cable

Ser	ies	DURA-ACE	SHIMANO	SHIMANO
Mode	el no.	BC-9000	BC-R680	BC-1051
	High-tech gray	1	1	✓
	Black	1	1	✓
	White	1	1	✓
Color	Red	1	1	✓
Color	Blue	✓	1	-
	Lime-green	✓	✓	-
	Orange	1	1	-
	Yellow	1	✓	-
Brake	type	Caliper	Caliper	Caliper
	Material	Stainless steel	Stainless steel	Steel
Inner cable	Coated	Polymer-coated cable	Polymer-coated cable	-
	Material	Steel (plated)	Steel (plated)	Steel
Outer casing	Prelubricated casings	1	1	-
No	te			

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Rear Derailleur

Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	
Mode			RD-R9100-SS	RD-9000-SS	RD-R8000-SS	RD-R8000-GS	RD-6800-SS	RD-6800-GS
Color		1	Series color	Series color	Series color	Series color	Series color	Series color
2		2	-	-	-	-	-	-
Rear s			11 LINKGLIDE, HG	11 LINKGLIDE, HG	11 LINKGLIDE, HG	11 LINKGLIDE, HG	11 LINKGLIDE, HG	11 LINKGLIDE, HG
Compatik			11-speed	11-speed	11-speed	11-speed	11-speed	11-speed
	SHIMANO R	SHADOW D	✓	-	1	1	-	-
RD construction	SHIMANO RI	SHADOW D+	-	-	-	-	-	-
	Double	e servo	-	1	-	-	1	1
	SHIMAN O MTB type	Direct attachm ent (convent ional)	-	-	-	-	-	-
	3,1-	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	√	1	1	1	1	1
		Direct mount	✓	-	✓	✓	-	-
[UDH st	andard	-	-	-	-	-	-
	Divotad	ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track	-	-	-	-	-	-
l Cable a	djuster	type	1	1	1	1	1	1
Max. front	•		16T	16T	16T	16T	16T	16T
Total ca	pacity		35T	33T	35T	39T	33T	37T
	Ma	ax.	30T	28T	30T	34T	28T	32T
Low sprocket	М	in.	25T	23T	25T	28T	23T	28T
Ton sprosket	Max.		14T	14T	14T	12T	14T	12T
Top sprocket	М	in.	11T	11T	11T	11T	11T	11T
Fluoric coated		-	4	4	4	4	4	4
	Guide bea	pulley ring	✓	✓	✓	1	✓	1
	Tensior bea	pulley ring	✓	✓	✓	1	1	1
Pulley	Tee	eth	11T	11T	11T	11T	11T	11T
	Screws material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken ty		√	✓	1	1	1	1
Bracket	Mat		Aluminum	-	-	-	-	-
	Fin		Anodized ✓	-	-	-	-	-
B-axle	Hollo		Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Buxic	Fin		Anodized	-	-	-	-	-
	Hollov		-	-	-	-	-	-
B-axle 2	Mat	erial	Aluminum	-	-	-	-	-
	Fin		Anodized	-	-	-	-	-
Bracket body	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		Anodized	Anodized	Painted	Painted	Painted	Painted
P-axle	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin Mat		Plated CFRP	Plated CFRP	Plated GFRP	Plated GFRP	Plated CFRP	Plated CFRP
Plate body	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin		Anodized	Anodized	Painted	Painted	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	GFRP	GFRP	Aluminum	Aluminum
miner min	Fin	ish	Anodized	Anodized	-	-	Painted	Painted
Outer plate		erial	Carbon	Carbon	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		Clear coated	Clear coated	Painted	Painted	Painted	Painted
Inner plate	Mat		CFRP	CFRP	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		Clear coated	Clear coated	Painted	Painted	Painted	Painted
Cable fixing screw	Mat Fin		Stainless steel Black coated	Stainless steel	Stainless steel Black coated	Stainless steel Black coated	Stainless steel	Stainless steel
Carolina a l' d'	Mat		Aluminum	Aluminum	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fin		Anodized	Anodized	Plated	Plated	Plated	Plated
Average v			158	158	200	210	195	207
No	te		* w/o Bracket spec available		* w/o Bracket spec available	* w/o Bracket spec available		

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Rear Derailleur

Series		ULTEGRA RX	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	
Mode	el no.		RD-RX800-GS	RD-R7100	RD-R7000-SS	RD-R7000-GS	RD-5701-SS	RD-5701-GS
Calan		1	Series color	Series color	Silky black	Silky black	Black	Black
Color	2	2	-	-	Spark silver	Spark silver	Silver	Silver
Rear s	peeds		11	12	11	11	10	10
Compati			LINKGLIDE, HG 11-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 10-speed	HG 10-speed
	SHIMANO R		-	✓	1	1	-	-
RD construction	SHIMANO RI	SHADOW D+	✓	-	-	-	-	-
	Double	e servo	-	-	-	-	✓	1
	SHIMAN O MTB type	Direct attachm ent (convent ional)	-	-	-	-	-	-
	туре	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	✓	✓	1	1	1	,
		Direct mount	✓	✓	1	1	-	-
	UDH st	andard	-	-	-	-	-	-
	l	ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track type	-	-	-	-	-	-
Cable a	djuster	-3pc	1	1	1	1	1	1
Max. front			16T	16T	16T	16T	16T	16T (front double), 22T (front triple)
Total ca	apacity		39T	41T	35T	39T	34T	40T
		ax.	34T	36T	30T	34T	30T	30T (front triple), 32T (front double)
Low sprocket		in.	28T	34T	25T	28T	25T	27T (front double), 25T (front triple)
	Ma	ax.	11T	11T	14T	12T	14T	12T (front double).
Top sprocket	Min.		11T	11T	11T	11T	11T	14T (front triple)''
Fluoric coated			4	2	2	2	2	2
Tidoric coated					2		2	2
		pulley ring 	1	-	-	-	-	-
	Tensior bea	n pulley ring	✓	-	-	-	-	-
Pulley	Teeth		11T	11T	11T	11T	11T	11T
	Screws material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw		✓	✓	✓	✓	✓	✓
Bracket	Mat	erial	Aluminum	-	-	-	-	-
2.44.64	Fin		Anodized	-	-	-	-	-
		w axle	1	-	-	-	-	-
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel	Steel
		ish	-	-	-	-	Plated	Plated
B-axle 2		w axle erial	-	<u>-</u> -	-	-	-	-
P-GVIE 7		ish	-	-	-	-	-	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body		ish	Painted	Painted	Painted	Painted	Painted	Painted
pl.		erial	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Fin	ish	-	Plated	Plated	Plated	Plated	Plated
Plate body	Mat	erial	Aluminum	GFRP	GFRP	GFRP	Aluminum	Aluminum
i late body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Outer link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link		erial iish	Aluminum Painted	GFRP	GFRP	GFRP	Steel	Steel Plated
		erial	Aluminum	Aluminum	Aluminum	- Aluminum	Aluminum	Aluminum
Outer plate		ish	Painted	Painted	Painted	Painted	Painted	Painted
In a later		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner plate	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fiving	Mat	erial	Stainless steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Fin	ish	Passivation	Plated	Plated	Plated	Plated	Plated
Stroke adjusting screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
screw	Fin	ish	Plated	Plated	Plated	Plated	Plated	Plated
Average v	veight (g)		248	249	225	232	230	243
No	ote		* w/o bracket spec available		* w/o Bracket spec available	* w/o Bracket spec available		

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Rear Derailleur

Series		TIAGRA	TIAGRA	SORA	SORA	SHIMANO	CLARIS	
Mode			RD-4700-SS	RD-4700-GS	RD-R3000-SS	RD-R3000-GS	RD-R350-GS	RD-R2000-SS
Color		1	Series color	Series color	Series color	Series color	Black	Series color
Color	2		-	-	-	-	-	-
Rear s			10	10	9	9	9	8
Compatil		CUADOM	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed
	SHIMANO		-	-	-	-	-	-
RD construction	SHIMANO RI	SHADOW	-	-	-	-	-	-
		e servo	1	1	1	1	1	1
		Direct attachm						
	SHIMAN O MTB type	ent (convent ional)	-	-	-	-	-	-
	1,900	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	1	1	1	1	•	1
	турс	Direct mount	-	-	-	-	-	-
	UDH st	andard	-	-	-	-	-	-
		ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track type	-	-	-	-	-	-
Cable -	diustor	type	1	1	1	1	•	1
Cable a								
Max. front			16T	16T (front double), 20T (front triple)	16T	20T	20T	16T
Total ca	apacity		33T	41T	37T	43T	41T	37T
Low sprocket	M	ax.	28T	32T (front triple), 34T (front double)	32T	34T	32T	32T
·	М	in.	25T	28T (front double), 25T (front triple)	25T	28T	25T	25T
Top sprocket	M	ax.	14T	12T	14T	14T	14T	13T
		in.	11T	11T	11T	11T	11T	11T
Fluoric coated			2	2	2	2	2	-
	bea	pulley ring	-	-	-	-	-	-
	Tensior bea	n pulley ring	-	-	-	-	-	-
Pulley	Teeth		11T	11T	11T	11T	11T	11T
	Screws material		Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
	Sunken type pulley screw		✓	1	-	-	✓	✓
Bracket	Mat	erial	-	-	-	-	-	-
		ish .	-	-	-	-	-	-
B-axle	Hollow	w axle	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel
D-axie		ish	Stainless steel -	-	Stainless steel	Stainless steel	Stainless steel	Stainless steel Plated
		w axle	-	-	-	-	-	-
B-axle 2		erial	-	-	-	-	-	-
	Fin	ish	-	-	-	-	-	-
Bracket body		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle		erial iish	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated
		erial	Aluminum	Aluminum	Resin	Resin	Resin	Resin
Plate body		ish	Painted	Painted	Painted	Painted	Painted	Painted
Outer link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel
Outer lills		ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish erial	Plated Steel	Plated Steel	Painted Steel	Painted Steel	Painted Steel	Painted Steel
Outer plate		ish	Plated	Plated	Painted	Painted	Painted	Painted
In a late		erial	Steel	Steel	Steel	Steel	Steel	Steel
Inner plate		ish	Plated	Plated	Painted	Painted	Painted	Painted
Cable fixing screw		erial	Steel	Steel	Steel	Steel	Steel	Steel
Cable lixing sciew		ish	Plated	Plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
			Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw		iala I	District.					
Stroke adjusting screw Average v		ish	Plated -	Plated -	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated

ST

Rear Derailleur

Se	ries		CLARIS						
Mod	Model no.								
Color		1	Series color						
Color		2	-						
Rear	Rear speeds								
Compati	ble chain		HG 8/7/6-speed						
		SHADOW D	-						
RD construction	SHIMANO RI	SHADOW D+	-						
	Double	e servo	✓						
	SHIMAN O MTB type	Direct attachm ent (convent ional)	-						
		Direct mount	-						
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	1						
		Direct mount	-						
	UDH st	andard	-						
		ROAD type	-						
	Riveted adapter	type BMX-							
		track type	-						
	adjuster		✓						
	t difference		20T						
Total c	apacity		43T						
Low sprocket		ax.	34T						
-		in.	28T						
Top sprocket		ax. in.	13T						
Fluoric coated			11T -						
ridoric coatec	1	pulley ring	<u>-</u>						
		n pulley ring	-						
Pulley	Tec	eth	11T						
	Screws	material	Steel						
	Sunken ty scr	/pe pulley ew	✓						
Bracket	Mat	erial	-						
Diucket	Fin	ish	-						
		w axle	-						
B-axle	—	erial	Stainless steel						
		ish	Plated						
		w axle	-						
B-axle 2		erial	-						
	-	ish erial	- Aluminum						
Bracket body		ish	Painted						
		erial	Steel						
P-axle		ish	Plated						
		erial	Resin						
Plate body		ish	Painted						
Outer limb	Mat	erial	Steel						
Outer link	Fin	ish	Painted						
Inner link		erial	Steel						
miner mine	Fin	ish	Painted						
Outer plate		erial	Steel						
		ish	Painted						
Inner plate		erial	Steel						
-		ish	Painted Steel						
Cable fixing screw	Cable fixing screw								
			Nickel plated Steel						
Stroke adjusting screw	Stroke adjusting Material Finish								
Average	weight (g)		-						
	ote								

BR BR ВС RD FD ВВ НВ FH WH WH НР ST ST SW

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FD

Front Derailleur

Model no.	Seri	Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Protection Pr	Model no.		FD-R9100-F	+	FD-9000-F	<u> </u>	FD-R8000-F	FD-R8000-B	
Foreign For			ļ	Series color					
The companies	Color	2	2	-	-	-	-	-	-
Comparison Co	Front s	peeds		2	2	2	2	2	2
Action	Rear s	peeds		11	11	11	11	11	11
Action Down-right	Compatib	ole chain		LINKGLIDE, HG 11-speed					
Mount Mou		TOP S	WING	-	-	-	-	-	-
Mount Same Mount Moun	Action	Down	swing	1	1	1	1	1	1
Mount Mou			28.6	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)
34.9		Clamp band	31.8	-	1	-	1	-	1
Cable adjust	Mount	(mm)	34.9	-	1	-	1	-	1
Cable route type		Braze	ed-on	✓	-	1	-	1	-
Cable route type	Cable a	adjust		1	1	-	-	1	1
Chain line (mm)			exclusive	-	-	-	-		-
Top gear teeth	Chain lin	ne (mm)		43.5	43.5	43.5	43.5	43.5	43.5
Total capacity 16T	Chainstay a	ngle (deg.)		61-66	61-66	61-66	61-66	61-66	61-66
Total capacity	Top gea	r teeth		50-55T	50-55T	50-55T	50-55T	46-53T	46-53T
Applicable top-mid tooth difference -				16T	16T	16T	16T	16T	16T
Angled clamp band design - - - - - - - - - -			erence	-	-	-	-	-	-
Multi-bearing construction 2 2 2	Angled clamp	band design	gn	-	-	-	-	-	-
Tink bushings 8 8 7 7 8 8 8 8 8 8				2	2	-	-	-	-
Front clamp band base bracket Finish - Painted - Anodized - Painted Finish - Painted Aluminum				8	8	7	7	8	8
Finish - Painted - Anodized - Painted - Anodized - Painted Painted - Painted - Painted - Painted - Painted - Painted Pai		Mate	erial	-	Aluminum	-	Aluminum	-	Aluminum
Finish Painted Paint	Front clamp band	Fin	ish	-	Painted	-	Anodized	-	Painted
Clamp screw Material -		Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clamp screw Finish Outer link Material CFRF CFRF Aluminum Aluminum Aluminum GFRP GFRP GFRP Inner link Material Anodized Steel Steel Stainless steel Aluminum Aluminum Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Aluminum Aluminum Aluminum Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Aluminum Aluminum Aluminum Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Aluminum Aluminu	base bracket	Fin	ish	Painted	Painted	Anodized	Anodized	Painted	Painted
Outer link Material CFRF CFRF Aluminum Aluminum GFRP GFRP		Mate	erial	-	-	-	-	-	-
Outer linkFinishPlated/PaintedPlated/PaintedAnodizedAnodizedPaintedInner linkMaterialAluminumAluminumAluminumAluminumAluminumAluminumFinishAnodizedAnodizedAnodizedPaintedChain guideMaterialAluminumAluminumAluminumAluminumCable fixing screwMaterialStainless steelStainless steelStainless steelStroke adjusting screwMaterialSteelSteelAluminumAluminumStainless steelStroke adjusting screwMaterialSteelSteelAluminumAluminumStainless steelFinishSteelSteelAluminumAluminumStainless steelFinishBlackBlackAnodizedAnodizedBlackBlackAverage weight (g) (band type: L size, direct type w/screw)7085667892106	Clamp screw	Fin	ish	-	-	-	-	-	-
Finish Plated/Painted Plated/Painted Anodized Anodized Painted Painted		Mate	erial	CFRF	CFRF	Aluminum	Aluminum	GFRP	GFRP
Inner link Finish Anodized Anodized Anodized Anodized Painted Painted Chain guide Finish Nickel plated Nickel plated Nickel plated Nickel plated Chrome plated Cable fixing screw Finish Stainless steel Sta	Outer link	Fin	ish	Plated/Painted	Plated/Painted	Anodized	Anodized	Painted	Painted
Finish Anodized Anodized Anodized Anodized Painted Painted Material Aluminum Aluminum Aluminum Aluminum Steel Steel Finish Nickel plated Nickel plated Nickel plated Nickel plated Chrome plated Chrome plated Cable fixing screw Finish		Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Chain guide Finish Nickel plated Nickel plated Nickel plated Nickel plated Chrome plated Chrome plated Cable fixing screw Finish	Inner link	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Chain guide Finish Nickel plated Nickel plated Nickel plated Nickel plated Chrome plated Chrome plated Cable fixing screw Finish		Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Material Stainless steel	Chain guide								
Cable fixing screw Finish Stroke adjusting screw Finish Strel Steel Steel Steel Aluminum Aluminum Stainless steel		Mate	erial	-	Stainless steel		Stainless steel		
Stroke adjusting screw Material Steel Steel Aluminum Aluminum Stainless steel Stainless steel Finish Black Black Anodized Anodized Black Black Average weight (g) (band type: L size, direct type w/screw) 70 85 66 78 92 106	Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting Screw Finish Black Black Anodized Anodized Black Black Black Average weight (g) (band type: L size, direct type w/ screw) 70 85 66 78 92 106	Chusha adiiyatiya	Mate	erial						
	screw			Black	Black	Anodized	Anodized	Black	
Note	Average weight (g) direct type	(band type w/ screw)	e: L size,	70	85	66	78	92	106
	No	te							

Front Derailleur

Mode No. Image Imag	Series		ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	
Color Front peed	Mode	Model no.		FD-6800-F	FD-6800-B	FD-R7100-F	FD-R7100-B	FD-R7000-F	FD-R7000-B
Front ypeds	Color		1	Series color	Series color	Series color	Series color	Silky black	Silky black
Rear speeds	Coloi	:	2	-	-	-	-	Spark silver	Spark silver
No. Compatible May Compatible May M	Front s	peeds		2	2	2	2	2	2
Action TOP SWING Property	Rear s	peeds		11	11	12	12	11	11
Action Down	Compatil	ole chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Mount Maria Material Maria Material Maria Material Maria Material Maria Material Mate	Action	TOP S	WING	-	-	-	-	-	-
Mount Mou	Action	Down	swing	✓	✓	✓	1	1	1
State Sta			28.6	-	✓ (w/ S size adapter)	-	√ (w/ S size adapter)	-	✓ (w/ S size adapter)
State Sta		Clamp band (mm)	31.8	-	1	-	1	-	1
Cable	Mount	()	34.9	-	✓	-	1	-	1
Top-pull exclusive		Braze	ed-on	✓	-	✓	-	1	-
Chain line (mm) 43.5 43.5 44.5 44.5 43.5 43.5 Chainstay angle (deg.) 61-66 61-6	Cable	adjust		-	-	✓	1	1	1
Chainstay angle (deg.) 61-66 61-	Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Top gear teeth	Chain lir	ne (mm)		43.5	43.5	44.5	44.5	43.5	43.5
Total capacity	Chainstay a	ngle (deg.))	61-66	61-66	61-66	61-66	61-66	61-66
Applicable top-mid tooth difference Angled clamp band design desi	Top gea	r teeth		46-53T	46-53T	50-52T	50-52T	46-53T	46-53T
Angled clamp band design	Total ca	pacity		16T	16T	16T	16T	16T	16T
Multi-bearing construction - - - - - - - - -	Applicable top-mi	d tooth diff	ference	-	-	-	-	-	-
Tink bushings 7 7 7 7 7 7 7 7 7	Angled clamp	band desi	gn	-	-	-	1	-	1
Material - Aluminum	Multi-bearing	constructi	on	-	-	-	-	-	-
Front clamp band Rear clamp band, base bracket Rear clamp banded R	Link bu	shings		7	7	7	7	7	7
Finish - Painted - P	Front clause band	Material		-	Aluminum	-	Aluminum	-	Aluminum
Finish Painted Paint	Front clamp band	Fin	ish	-	Painted	-	Painted	-	Painted
Clamp screw Material -	Rear clamp band.	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clamp screw Finish Outer link Material Aluminum Aluminum Aluminum GFRP GFRP GFRP GFRP GFRP GFRP GFRP GFRP	base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Finish Finish Finish Finish Finish Painted Plated Plate	Clause and the	Mat	erial	-	-	-	-	-	-
Outer linkFinishPaintedPaintedPaintedPaintedPaintedPaintedInner linkMaterialAluminumAluminumSteelSteelSteelSteelFinishPaintedPaintedPlatedPlatedPlatedPlatedPlatedPlatedPlatedPlatedChain guideMaterialSteelSteelSteelSteelSteelFinishChrome platedChrome PlatedChrome PlatedChrome PlatedChrome PlatedCable fixing screwMaterialStainless steelStainless steelStainless steelStainless steelFinishStroke adjusting screwMaterialStainless steelStainless steelStainless steelStainless steelFinishBlackBlackBlackAverage weight (g) (band type: L size, direct type w/ screw)891049611196111	Clamp screw	Fin	ish	-	-	-	-	-	-
Finish Painted Steel Steel Steel Steel Steel Plated P	Outer link	Mat	erial	Aluminum	Aluminum	GFRP	GFRP	GFRP	GFRP
Plated P	Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Finish Painted Painted Plated Plated Plated Plated Plated Material Steel Finish Chrome plated	Innas Unit	Mat	erial	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Chain guide Finish Chrome plated Chrome Plat	inner link	Fin	ish	Painted	Painted	Plated	Plated	Plated	Plated
Finish Chrome plated Chr	Charles 11	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw Finish	Chain guide	Fin	nish	Chrome plated	Chrome plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
Stroke adjusting screw Finish - - - - - - - - -	California	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Stroke adjusting Screw Finish Black Black Black Black Black Average weight (g) (band type: L size, direct type w/ screw) 89 104 96 111 96 111	Cable fixing screw	Fin	nish	-	-	-	-	-	-
Average weight (g) (band type: L size, direct type w/ screw) 89 104 96 111 96 111	Stroke adjusting	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	screw	Fin	nish	-	-	Black	Black	Black	Black
Note	Average weight (g) direct type	(band type w/ screw)	e: L size,	89	104	96	111	96	111
	No	te				-	-	-	-

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Front Derailleur

Ser	ies		SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	TIAGRA	TIAGRA
Model no.		FD-5700-F	FD-5703-F	FD-4700-F	FD-4700-B	FD-4703-F	FD-4703-B	
	1	l	Black	Black	Series color	Series color	Series color	Series color
Color	2	!	Silver	Silver	-	-	-	-
Fronts	peeds		2	3	2	2	3	3
Rear s	peeds		10	10	10	10	10	10
Compatil	ole chain		HG 10-speed	HG 10-speed (for 3x10s)	HG-X 10-speed, CN- HG500	HG-X 10-speed, CN- HG500	HG-X 10-speed, CN- HG500	HG-X 10-speed, CN- HG500
A -41	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	1	1	1	1	1	1
		28.6	-	-	-	√ *	-	√ *
	Clamp band (mm)	31.8	-	-	-	1	-	1
Mount	()	34.9	-	-	-	1	-	✓
	Braze	d-on	1	1	1	-	1	-
Cable	adjust		-	-	-	-	-	-
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Chain li	ne (mm)		43.5	45	43.5	43.5	45	45
Chainstay a	ingle (deg.)		61-66	63-66	61-66	61-66	63-66	63-66
Top gea	r teeth		50-56T	50T	46-52T	46-52T	50T	50T
Total ca	apacity		16T	20T	16T	16T	20T	20T
Applicable top-mi	d tooth diff	erence	-	11T	-	-	11T	11T
Angled clamp	band desig	jn	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-	-
	Material		-	-	Aluminum	Aluminum	Aluminum	Aluminum
Front clamp band	Fin	ish	-	-	Painted	Painted	Painted	Painted
Rear clamp band.	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamar assess	Mate	erial	-	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-	-
Outer link	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Inna link	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guida	Mate	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing screen	Mate	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting screw	Mate	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
screw	Fin	ish	-	-	-	-	-	-
Average weight (g) direct type	(band type w/ screw)	e: L size,	89	114	-	-	-	-
No	te					* 28.6 mm Clamp band: 31.8 mm w/ Adapter		* 28.6 mm Clamp band: 31.8 mm w/ Adapter

Front Derailleur

Series		SHIMANO	SHIMANO	SORA	SORA	SORA	SORA	
Mode	Model no.		FD-CX70-F-T	FD-CX70-F-D	FD-R3000-F	FD-R3000-B	FD-R3030-F	FD-R3030-B
		1	Gray	Gray	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
Front s	peeds		2	2	2	2	3	3
Rear s	peeds		10	10	9	9	9	9
Compatil	ole chain		HG 10-speed	HG 10-speed	-	-	-	-
Anthon	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	✓	1	1	1	✓	✓
		28.6	-	-	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)
Mount	Clamp band (mm)	31.8	-	-	-	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)
		34.9	-	-	-	1	-	1
	Braze	ed-on	1	1	1	-	✓	-
Cable	adjust		-	-	-	-	-	-
Cable route type	Top-pull	exclusive	1	-	-	-	-	-
Chain lir	ne (mm)		43.5	43.5	43.5	43.5	45	45
Chainstay a	ngle (deg.)		63-66	63-66	61-66	61-66	63-66	63-66
Top gea	r teeth		46-52T	46-52T	46-52T	46-52T	50T	50T
Total ca	apacity		16T	16T	16T	16T	20T	20T
Applicable top-mi	d tooth diff	erence	-	-	-	-	11T	11T
Angled clamp	band desig	gn	-	-	1	1	1	1
Multi-bearing	construction	on	-	-	-	-	-	-
Link bu	shings		7	7	-	-	-	-
Format down board	Mat	erial	-	-	-	Aluminum	-	Aluminum
Front clamp band	Fin	ish	-	-	-	Painted	-	Painted
Rear clamp band, base bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp serou	Mat	erial	-	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-	-
Outer link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
mner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain suida	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw	Mat	erial	Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
Cable lixing sciew	Fin	ish	-	-	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting screw	Mat	erial	Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
screw	Fin	ish	-	-	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) direct type	(band type w/ screw)	e: L size,	92	87	-	-	-	-
No	te							

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Front Derailleur

Series			CLARIS	CLARIS	CLARIS	CLARIS
Model no.			FD-R2000-F	FD-R2000-B	FD-R2030-F	FD-R2030-B
	1		Series color	Series color	Series color	Series color
Color	Color 2		-	-	-	-
Front speeds			2	2	3	3
Rear s	Rear speeds			8	8	8
Compatible chain			HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Action	TOP SWING		-	-	-	-
	Down swing		✓	✓	✓	1
Mount	Clamp band (mm)	28.6	-	✓ (w/ S size adapter)	-	√ (w/ S size adapter)
		31.8	-	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)
		34.9	-	1	-	1
	Brazed-on		✓		✓	
Cable adjust			-	-	-	-
Cable route type	Top-pull exclusive		-	-	-	-
Chain li	ne (mm)		43.5	43.5	45	45
Chainstay angle (deg.)		61-66	61-66	63-66	63-66	
Top gear teeth		46-52T	46-52T	50T	50T	
Total ca	Total capacity			16T	20T	20T
Applicable top-mid tooth difference		-	-	11T	11T	
Angled clamp band design		✓	1	✓	1	
Multi-bearing construction		-	-	-	-	
Link bushings		-	-	-	-	
For a to all and to a d	Material		-	Steel	-	Steel
Front clamp band	Finish		-	Painted	-	Painted
Rear clamp band, base bracket	Material		Aluminum	Aluminum	Aluminum	Aluminum
	Finish		Painted	Painted	Painted	Painted
Clamp screw	Material		-	-	-	-
	Finish		-	-	-	-
Outor link	Material		Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Finish		Painted	Painted	Painted	Painted
lanar link	Material		Steel	Steel	Steel	Steel
Inner link	Finish		Painted	Painted	Painted	Painted
Chain avida	Material		Steel	Steel	Steel	Steel
Chain guide	Finish		Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing sere	Material		Steel	Steel	Steel	Steel
Cable fixing screw	Finish		Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting	Material		Steel	Steel	Steel	Steel
Stroke adjusting screw	Finish		Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	
No	ote					

Crankset

Series		DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE	DURA-ACE
Model no.		FC-R9200	FC-R8100	FC-R7100	FC-RS520	FC-09	FC-R9100
Color	1	Series color	Series color	Black	Black	Series color	Series color
2		-	-	-	-	-	-
Rear speeds		12	12	12	12	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		44.5	44.5	44.5	44.5	44.5	43.5
P.C.D. (mm)		110	110	110	110	110	110
Spider/gear arms		4	4	4	4	4	4
Chainring combination		46-36T, 50-34T, 52-36T, 54-40T	46-36T, 50-34T, 52-36T	50-34T, 52-36T	50-34T	50-34T, 52-36T, 54-40T	50-34T, 52-36T, 53-39T, 54-42T, 55-42T
Q-facto	or (mm)	148	148	148	150	148	146
	160	1	1	1	-	-	-
Crank arm length (mm)	165	1	1	1	1	1	1
	167.5	1	-	-	-	1	1
	170	1	1	1	1	1	1
	172.5	1	1	1	1	1	1
	175	1	1	1	1	1	1
	177.5	4	-	-	-	1	4
	180	-	-	-	-	-	1
		-	-	-	-		-
Optional chain guard	With chain guard					-	
guard	Without chain/bash guard	✓	✓	✓	✓	✓	✓
HOLLOV	VTECH II	✓	1	✓	-	1	1
2-PIECE CRANKSET		-	-	-	1	-	-
HOLLOWTECH crank arm		1	1	1	-	1	1
ОСТА	ALINK	-	-	-	-	-	-
	WGLIDE	1	1	_	-	1	1
	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK		-	-	-	_	-
bracket type	Square	_	_	_	_	_	_
	Threaded (normal)	BB-R9100	SM-BBR60	SM-BBR60	BB-RS501	BB-R9100	BB-R9100
Recommended bottom bracket	Press-Fit	SM-BB92-41B	SM-BB72-41B	SM-BB72-41B	BB-RS500-PB	SM-BB92-41B	SM-BB92-41B
Axle length of BB-UN/ES (mm)		-	-	-	-	-	-
		1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	70	1	1	1	1	1	1
,,	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material						
Crank axle	Finish	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated
		-		-	- riateu	- riateu	
Spider arm	Material Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
	Material	Aluminum/CFRP (except 46-36T), Aluminum (46-36T)	Aluminum/CFRP (except 46-36T), Aluminum (46-36T)	Aluminum+GFRP	Aluminum+Resin	Aluminum+CFRP	- Aluminum/CFRP
Outer ring	ett			A constitution of	Detect 1	A mare 12 1	A !! !
	Finish	Anodized	Anodized	Anodized	Painted	Anodized	Anodized
Middle ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Inner ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
. 3	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Stainless Steel	Stainless Steel	Aluminum	Aluminum
9 5010	Finish	Anodized	Anodized	-	-	Anodized	Anodized
Inner ring fixing screw	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Crank fixing screw included		✓	1	1	✓	1	✓
Average weight (g) (170 mm, w/o bottom bracket)		693 (46-36T) 685 (50-34T)	702 (46-36T) 700 (50-34T) 711 (52-36T)	754 (50-34T)	_	685 (50-34T) 692 (52-36T) 714 (54-40T)	614 (50-34T) 624 (52-36T) 626 (53-39T) 642 (54-42T) 650 (55-42T)
Average weight (g) (:ket)	693 (46-36T) 685 (50-34T) 692 (52-36T) 714 (54-40T)	711 (52-36T)	(22 2 ,		714 (54-40T)	642 (54-42T) 650 (55-42T)

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Crankset

Ser	ries	DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE
Mode	el no.	FC-9000	FC-08	FC-R8000	FC-R7000	FC-RS510	FC-7710
	1	Series color	Series color	Series color	Silky black	Black	Series color
Color	2	-	-	-	Spark silver	-	-
Rear s	peeds	11	11	11	11	11	1
Compati	•	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	1/2 x 1/8, 1/2 x 3/32
·		11-speed 43.5	11-speed 44.5	11-speed 43.5	11-speed 43.5	11-speed 43.5	42.5
Chain lii P.C.D.		110	110	110	110	110	144
Spider/q		4	4	4	4	4	5
Spide1/9	ear arms						
Chainring o		50-34T, 52-36T, 52-38T, 53-39T, 54-42T, 55-42T	46-36T, 50-34T, 52-36T	46-36T, 50-34T, 52-36T, 53-39T	50-34T, 52-36T, 53-39T	46-36T, 50-34T, 52-36T	45T to 55T (1/2 x 1/8, 1/2 x 3/32)
Q-facto		146	148	146	146	150	136.3
	160	-	-	-	✓	-	-
	165	1	✓	1	1	✓	1
	167.5	1	-	-	-	-	1
Crank arm length (mm)	170	✓	✓	1	✓	1	1
(IIIII)	172.5	✓	✓	1	✓	1	1
	175	✓	✓	1	✓	1	1
	177.5	✓	-	-	-	-	-
	180	✓	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
guard	Without chain/bash guard	✓	✓	1	✓	✓	1
HOLLOV	VTECH II	✓	✓	✓	✓	-	-
2-PIECE C	RANKSET	-	-	-	-	1	-
HOLLOWTEG	CH crank arm	✓	✓	✓	✓	-	✓
OCTA	ALINK	-	-	-	-	-	1
HOLLO	WGLIDE	✓	✓	√ , - (46-36T)	-	-	-
	Outboard	✓	1	1	1	✓	-
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	1
	Square	-	-	-	-	-	-
Recommended	Threaded (normal)	BB-R9100	SM-BBR60	SM-BBR60	SM-BBR60	BB-RS501	BB-7710, BB-7700
Recommended bottom bracket	Press-Fit	SM-BB92-41B	SM-BB72-41B	SM-BB72-41B	SM-BB72-41B	BB-RS500-PB	-
Axle length of	BB-UN/ES (mm)	-	-	-	-	-	109.5
Threaded bottom bracket shell width (mm)	68	✓	✓	1	✓	✓	1
(mm)	70	✓	✓	1	✓	✓	1
Cuanti aum	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Cuanti avila	Material	Steel	Steel	Steel	Steel	Steel	-
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	-
Cuiden enne	Material	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
Spidor arm	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum+CFRP or GFRP	Aluminum	Aluminum+CFRP or Aluminum (46-36T only)	Aluminum+GFRP	Aluminum+Resin	Aluminum
•	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	-	-	-	-	-	-
Middle ring	Finish	-	-	-	-	-	-
_	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner ring	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Outer/middle rine	Material	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel
Outer/middle ring fixing bolt	Finish	Anodized	Anodized	Anodized	-	-	-
Innor ring fiving	Material	-	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	-	-
Crank fixing s		1	1	1	1	1	1
Average weight (g) (610 (50-34T) 618 (52-36T) 622 (52-38T) 618 (53-39T) 632 (54-42T) 639 (55-42T)	702 (46-36T) 700 (50-34T) 711 (52-36T)	668 (46-36T) 674 (50-34T) 681 (52-36T) 690 (53-39T)	713.4 (50-34T) 742.6 (52-36T) 757.8 (53-39T)	908 (50-34T)	566 (52T, 1/2 inch x 1/8 inch)
Note			*46T chairing color is black. Fixed with dedicated nuts.				

Crankset

Sei	ries	SHIMANO 105	SHIMANO 105	SHIMANO	TIAGRA	TIAGRA	SHIMANO
Mode	el no.	FC-5750	FC-5703	FC-CX50	FC-4700	FC-4703	FC-RS400
Color	1	Black	Black	Silver	Series color	Series color	Black
Color	2	-	-	Black	-	-	-
Rears	speeds	10	10	10	10	10	10
Compati	ble chain	HG 10-speed	HG 10-speed (for 3x10s)	HG 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Chain li	ne (mm)	43.5	45	43.5	43.5	45	43.5
P.C.D.	(mm)	110	130/74	110	110	110/74	110
Spider/g	ear arms	5	5	5	4	4	5
Chainring c	ombination	50-34T	50-39-30T	46-36T	48-34T, 50-34T, 52-36T	50-39-30T	50-34T
Q-facto	or (mm)	146	154.76	150	150	158.8	150.3
	160	-	-	-	-	-	-
	165	✓	1	-	1	✓	-
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	1	✓	1	✓	✓
Crank arm length (mm)	172.5	1	1	✓	1	✓	-
	175	1	1	1	1	✓	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
0	With chain guard	-	-	-	-	-	-
Optional chain guard	Without chain/bash guard	1	1	1	1	1	1
	NTECH II	1	1	-	-	-	-
2-PIECE C		-	-	✓	1	1	1
	CH crank arm	✓	1	-	-	-	-
	ALINK	-	-	-	-	-	-
HOLLO		-	-	-	-	-	-
	Outboard	✓	1	✓	1	✓	✓
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	SM-BB5700	SM-BB5700	BB-RS501	BB-RS501	BB-RS501	BB-RS501
bottom bracket	Press-Fit	SM-BB71-41B	SM-BB71-41B	SM-BB71-41B	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB
Axle length of	BB-UN/ES (mm)	-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	✓	1	✓	1	✓	1
(mm)	70	✓	✓	✓	✓	✓	✓
Cuank aum	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Painted
Cuamb anda	Material	Steel	Steel	Steel	Steel	Steel	-
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	-
Cniday arm	Material	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
Cuiden enne eerren	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum	Aluminum	Aluminum/Resin (48-34T), Aluminum/ GFRP (50-34T, 52-36T)	Aluminum+GFRP	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized+Painted (48-34T), Anodized (50-34T, 52-36T)	Anodized	Anodized
Middle ring	Material	-	Aluminum	-	-	Aluminum	-
	Finish	-	Anodized	-	-	Anodized	-
Inner ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Plated	Anodized
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
fixing bolt	Finish	-	-	-	-	-	-
Inner ring fixing	Material	-	Stainless steel	-	-	Stainless steel	-
screw	Finish	-	-	-	-	-	-
Crank fixing screw included		✓	1	✓	1	✓	✓
crank rixing s	Average weight (g) (170 mm, w/o bottom bracket)		021	798	_	_	-
	cket)	716	831	736			

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Crankset

Ser	ries	SORA	SORA	SORA	SORA	SHIMANO	CLARIS
Mode	el no.	FC-R3030	FC-R3030-CG	FC-R3000	FC-R3000-CG	FC-R345	FC-R2030
	1	Series color	Series color	Series color	Series color	Silver	Series color
Color	2	-	-	-	-	Black	-
Rear s	peeds	9	9	9	9	9	8
Compati	ble chain	HG 9-speed	HG 8/7/6-speed				
Chain lii	ne (mm)	45	45	43.5	43.5	43.5	45
P.C.D.		110/74	130/74	110	110	110	110/74
Spider/g	ear arms	4	5	4	5	5	4
Chainring c		50-39-30T	50-39-30T	50-34T	50-34T	50-34T	50-39-30T
Q-facto		158.8	158.8	150	150	152.2	158.8
	160	-	-	-	-	-	-
	165	1	1	1	1	-	1
	167.5	-	-	-	-	_	-
	170	1	1	1	1	1	1
Crank arm length (mm)	172.5	<u> </u>	-	-	-		-
	175	1	1	1	1	1	1
	177.5		-	-	-	-	-
			-		-		
	180 With chain guard	-		-		-	-
Optional chain guard		-	/		/		
guard	Without chain/bash guard	✓	-	✓	-	✓	✓
HOLLOV	VTECH II	-	-	-	-	-	-
2-PIECE C	RANKSET	✓	1	✓	✓	-	1
HOLLOWTEC	CH crank arm	-	-	-	-	-	-
OCTA	LINK	-	-	-	-	✓	-
HOLLO	NGLIDE	-	-	-	-	-	-
	Outboard	1	1	1	1	-	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	1	-
bracket type	Square	-	-	-	-	-	-
Desembled	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-ES300	BB-RS501
Recommended bottom bracket	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	BB-RS500-PB
Axle length of		-	-	-	-	113	-
	68	1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	70	· /	1	1	1	· /	1
` ,	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	-	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	<u> </u>	Plated
	Material	-	- Tiuteu	-	- Indica		-
Spider arm	Finish		-	-	_		_
	Material	-	-	_	-	-	-
Spider arm cover	Finish		_	_	_		_
	Material	Aluminum+Resin	Aluminum+Resin	Aluminum+Resin	Aluminum+Resin	Aluminum	Steel+Resin
Outer ring	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Painted
	Material	Steel	Steel	Ariodized	- Allouizeu	- Anodized	Steel
Middle ring	Finish	Painted	Painted	-	-	-	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner ring	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Stainless steel	Stainless steel				
Outer/middle ring fixing bolt	Finish	Stanness steel	Jianness steer	Stanness steer	Stanness steer	- Stainless steel	Stanness steer
		Stainless staal	Stainless staal	Stainless staal	Stainless steel		Stainless steel
Inner ring fixing screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	<u>-</u>	Stainless steel
	Finish						
Crank fixing s		✓	√	√	1	✓	√
Average weight (g) (170 mm, w/o bottom ket)	-	-	-	-	-	-
Note							

Crankset

Sei	ries	CLARIS	CLARIS	CLARIS	SHIMANO
Mode	el no.	FC-R2030-CG	FC-R2000	FC-R2000-CG	FC-RS200
C.I	1	Series color	Series color	Series color	Black
Color	2	-	-	-	-
Rear s	peeds	8	8	8	8
Compati	ble chain	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Chain li	ne (mm)	45	43.5	43.5	43.5
P.C.D.	(mm)	110/74	110	110	110
Spider/g	ear arms	4	4	4	5
Chainring c	ombination	50-39-30T	50-34T	50-34T	46-34T, 50-34T
Q-facto	or (mm)	158.8	150	150	153.7
	160	-	-	-	-
	165	✓	1	1	✓
	167.5	-	-	-	-
Crank arm length (mm)	170	✓	1	1	✓
(mm)	172.5	-	-	-	-
	175	✓	1	1	✓
	177.5	-	-	-	-
	180	-	-	-	-
Ontional chain	With chain guard	✓	-	1	✓
Optional chain guard	Without chain/bash guard	-	1	-	✓
HOLLOV	VTECH II	-	-	-	-
2-PIECE C	RANKSET	1	1	1	-
HOLLOWTEG	CH crank arm	-	-	-	-
ОСТА	ALINK	=	-	-	-
HOLLO	WGLIDE	-	-	-	-
	Outboard	1	1	1	-
Compatible bottom bracket type	OCTALINK	-	-	-	-
bracket type	Square	-	-	-	1
Recommended	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-UN300
Recommended bottom bracket	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-
Axle length of	BB-UN/ES (mm)	-	-	-	MM110
Threaded bottom	68	1	1	1	1
Threaded bottom bracket shell width (mm)	70	✓	1	1	1
Cuamb anna	Material	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	-
Crank axie	Finish	Plated	Plated	Plated	-
Spider arm	Material	-	-	-	-
Spider dilli	Finish	-	-	-	-
Spider arm cover	Material	-	-	-	-
Spider dilli cover	Finish	-	-	-	-
Outer ring	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel
- Cutci inig	Finish	Painted	Painted	Painted	Painted
Middle ring	Material	Steel	-	-	-
	Finish	Painted	-	-	-
Inner ring	Material	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
fixing boit	Finish	-	-	-	-
Inner ring fixing	Material	Stainless steel	Stainless steel	Stainless steel	-
screw	Finish	-	-	-	-
	crew included	✓	1	1	1
Average weight (g) (brad	170 mm, w/o bottom ket)	-	-	-	-
No	ote				

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Crankset (Power Meter)

Se	ries		DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA			
Model no.			FC-R9200-P	FC-R9200-PX	FC-R9100-P	FC-R8100-P			
Chainring	combination	<u>ı</u>	50-34T, 52-36T, 54-40T, w/o chainrings	50-34T, 52-36T, 54-40T	50-34T, 52-36T, 53-39T, w/o chainrings	50-34T, 52-36T, w/o chainrings			
	1	60	√ *	-	-	√ *			
		65	√ (50-34T, 52-36T, w/o chainrings)	1	√ *	1			
Crank arm length		7.5 70	/ *	-	/ *	-			
(mm)		2.5	√	1	1	1			
		75	1	1	1	1			
		7.5 80	√ *	-	√ * √ *	-			
	Righ	t side	✓	1	1	1			
Force measurement		of strain	✓	✓	√	✓			
	ser	gnet	24 •	24	24 •	24			
Cadence measurement		rometer	-	-	-	-			
	acy (%)		±1.5	±1.5	±2	±2			
Number of o	stem status ontrol butto		V	1	1	1			
Zero offset	By contr	ol button	✓	1	1	1			
Active temperat		evice sation	1	1	1	1			
, tears temperat	1	Lithium	1	1	1	1			
	Туре	ion Coin cell	-	-	-	-			
Battery		fe	226 h	226 h	300 h or longer	226 h			
		ng port ng cable	✓ EW-EC300	EW-EC300	Included	EW-EC300			
Firmware update			1	1	1	1			
Di2 connectivity wired		nifting	-	-	-	-			
	Di2 sl Bluetoot	nifting Cycling	-	-	-	-			
	h® LE	power	1	1	1	1			
	ANT+	Bicycle power	✓	1	1	1			
	Bluetoot h® LE custom (*1)	Adjust mode informat ion	-	-	-	-			
		Di2 battery level	-	-	-	-			
					Gear position	-	-	-	-
		SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-	-			
Di2 connectivity wireless		Compati ble with E-TUBE RIDE	1	1	1	1			
		Compati ble with E-TUBE PROJECT	1	1	1	1			
		Adjust mode informat ion	-	-	-	-			
	ANT	Di2 battery level	-	-	-	-			
	private (*2)	Gear position	-	-	-	-			
		SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-	-			
SD50 port (pcs)			0	0	0	0			
SD300 port (pcs) SD50 connector (pcs)			0	0	0	0			
SD30 connector (pcs)			0	0	0	0			
Average weight (g) bra	(170 mm, w cket)	o bottom	745 (50-34T) 752 (52-36T) 774 (54-40T)	745 (50-34T) 752 (52-36T) 774 (54-40T)	685 (50-34T) 695 (52-36T) 696 (53-39T)	758 (50-34T) 769 (52-36T)			
Note *1 Compatible	with a Blue	etooth LE	Crankset specifications not listed here are the same as FC-R9200	Crankset specifications not listed here are the same as FC-R9200	Crankset specifications not listed here are the same as FC-R9100	Crankset specifications not listed here are the same as FC-R8100			
not freely open pr	ofile. *2 Cor	npatible	* w/o chainrings	* w/o chainrings	* w/o chainrings	* w/o chainrings			
Note *1 Compatible cycle computer and s not freely open pr with ANT+ cycle cor open profile. *3 Will connected to SHIM/ bi	be shown of ANO E-BIKE ike.	only when SYSTEMS	Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66	Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66	Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah	Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66			
			Rated capacity: 2.442 Wh	Rated capacity: 2.442 Wh	Rated capacity: 2.442 Wh	Rated capacity: 2.442 Wh			

Bottom Bracket (HOLLOWTECH II)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BB-R9100	SM-BB92-41B	SM-BB72-41B	SM-BB71-41B	SM-BBR60	BB-RS501
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1	-	-	-	1	1
bottom bracket	Press-Fit type	=	✓	✓	1	-	-
Threaded bottom bracket shell width	68	~	-	-	-	✓	✓
(mm)	70	✓	-	-	-	✓	•
Press-Fit bottom bracket shell width (mm)	86.5	-	✓	✓	1	-	-
Small bal	l bearing	~	✓	✓	-	✓	-
Adamtau	Material	Aluminum	Resin	Resin	Resin	Aluminum	Aluminum
Adapter	Finish	Anodized	-	-	-	Anodized	Anodized
Average v	Average weight (g)		54	69	71	77	93
No	te						

Ser	ries	SHIMANO	SHIMANO
Mode	el no.	BB-RS500	BB-RS500-PB
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1	-
bottom bracket	Press-Fit type	-	1
Threaded bottom	68	1	-
bracket shell width (mm)	70	1	-
Press-Fit bottom bracket shell width (mm)	86.5	-	✓
Small bal	l bearing	-	-
Adamsan	Material	Aluminum	Resin
Adapter	Finish	Anodized	-
Average v	veight (g)	92	71
No	ote		

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Bottom Bracket

Sei	ries		DURA-ACE	DURA-ACE	SHIMANO 105
Model no.			BB-7700	BB-7710	BB-5500
		w pipe	√	1	1
Spindle		ALINK	1	1	1
Spiridle			•	7	,
	Squar	e type	-	-	-
	109.5	(BC1.37)	✓	•	√ (for double)
		70 (M36)	~	-	✓ (for double)
	MM110	68 (BC1.37)	-	-	-
		70 (M36)	-	-	-
	LL113 113	68 (BC1.37)	-	-	-
Axle length/shell width (mm)		70 (M36)	-	-	-
		(BC1.37)	-	-	-
		70 (M36)	-	-	-
		68 (BC1.37)	-	-	✓ (for triple)
		70 (M36)	-	-	✓ (for triple)
	121	68 (BC1.37)	=	-	-
Spindle	Mat	erial	Steel	Steel	Steel
Spinale	Fir	ish	Plated	Plated	Plated
Left hand adapter	Mat	erial	Aluminum	Aluminum	Aluminum
Leit nand adapter	Fir	ish	Anodized	Anodized	Anodized
Average v	weight (g)		173	244	-
No	ote			For track	

Cassette

Ser	ies	DURA-ACE	ULTEGRA	ULTEGRA
Mode	el no.	CS-R9200-12	CS-R8101-12	CS-R8100-12
Tv	pe	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+
Rear s	peeds	12	12	12
	ble chain	HG 12-speed	HG 12-speed	HG 12-speed
Combination nar	ne (Group name)	11-30T, 11-34T	11-30T, 11-34T	11-30T, 11-34T
	1	11-12-13-14-15-16-17-19*-21*-24*-27*-30* T	11-12-13-14-15-16-17-19-21-24-27-30T	11-12-13-14-15-16-17-19-21-24-27-30T
	2	11-12-13-14-15-17-19*-21*-24*-27*-30*-34 *T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-27-30-34T
Combination * Titanium gear	3	•	-	-
i itanium gear	4	-	-	-
	5	•	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	✓	✓	✓
Culling to man	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	•	-	-
Aluminum spider	QTY (pcs)	2	2	2
arm '	Finish	Anodized	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel spider anni	Finish	-	-	-
Titanium gear	QTY (pcs)	5 (11-30T), 6 (11-34T)	0	0
Titaliiaiii geai	Finish	Titanium	-	-
Aluminum gear	QTY (pcs)	0	0	0
- Juninium gear	Finish	-	-	-
Steel gear	QTY (pcs)	7 (11-30T), 6 (11-34T)	12	12
2100. 900.	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
Average v		223 (11-30T) 253 (11-34T)	291 (11-30T) 345 (11-34T)	291 (11-30T) 345 (11-34T)
No	ote			

Series		SHIMANO 105	SHIMANO 105	SHIMANO
Mod	el no.	CS-R7101-12	CS-R7100-12	CS-HG710-12
Ту	pe	HG	HG	HG
Rear	speeds	12	12	12
	ble chain	HG 12-speed	HG 12-speed	HG 12-speed
Combination na	me (Group name)	11-34T	11-34T	11-36T
	1	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-27-30-34T	11-12-13-14-15-17-19-21-24-28-32-36T
	2	-	-	-
Combination *	3	-	-	-
Combination * Titanium gear	4	-	-	-
•	5	-	-	-
	6	<u>-</u>	-	-
	7	<u>-</u>	-	-
	MICRO SPLINE	<u>-</u>	-	-
	HG spline L2 (ROAD 12-speed dedicated)	✓	✓	✓
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	=	-
Carbon spider arm	Finish	-	-	-
Aluminum spider	QTY (pcs)	1	1	1
arm	Finish	Anodized	Anodized	Anodized
Steel spider arm	QTY (pcs)	-	-	-
steer spider dim	Finish	-	-	-
Titanium gear	QTY (pcs)	0	0	0
amam gcar	Finish	-	<u>-</u>	-
Aluminum gear	QTY (pcs)	0	0	0
	Finish	<u>-</u>	-	<u>-</u>
Steel gear	QTY (pcs)	12	12	12
	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Steel	Steel	Steel
	Finish	Nickel plated	Nickel plated	Nickel plated
	weight (g)	361	361	391
No	ote			

SL

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BR BC

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BB CS

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FD SMAD

Cassette

Ser	ies	DURA-ACE	ULTEGRA	SHIMANO
Mode	el no.	CS-R9100	CS-R8000	CS-HG800-11
Ту		HG-EV	HG-EV	HG-EV
Rear s		11	11	11
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination nar	ne (Group name)	11-25T, 11-28T, 11-30T, 12-25T, 12-28T	11-25T, 11-28T, 11-30T, 11-32T, 12-25T, 14-28T	11-34T
	1	11-12-13-14-15-16-17*-19*-21*-23*-25*T	11-12-13-14-15-16-17-19-21-23-25T	11-13-15-17-19-21-23-25-27-30-34T
	2	11-12-13-14-15-17-19*-21*-23*-25*-28*T	11-12-13-14-15-17-19-21-23-25-28T	-
	3	11-12-13-14-15-17-19*-21*-24*-27*-30*T	11-12-13-14-15-17-19-21-24-27-30T	-
Combination * Titanium gear	4	12-13-14-15-16-17-18*-19*-21*-23*-25*T	12-13-14-15-16-17-18-19-21-23-25T	-
maniani geai	5	12-13-14-15-16-17-19*-21*-23*-25*-28*T	14-15-16-17-18-19-20-21-23-25-28T	-
	6	-	11-12-13-14-16-18-20-22-25-28-32T	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	✓	✓	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	1	1	-
Carbon spider arm	Finish	-	-	-
Aluminum spider	QTY (pcs)	1	1	2
arm '	Finish	Anodized	Anodized	Anodized
Steel spider arm	QTY (pcs)	-	-	-
Steer spider dim	Finish	-	-	-
Titanium gear	QTY (pcs)	5	0	0
Transam gear	Finish	Titanium	-	-
Aluminum gear	QTY (pcs)	0	0	0
· gear	Finish	-	-	<u>-</u>
Steel gear	QTY (pcs)	6	11	11
	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
Average v	veight (g)	175 (11-25T) 193 (11-28T) 211 (11-30T) 189 (12-25T) 205 (12-28T)	232 (11-25T) 251 (11-28T) 269 (11-30T) 243 (12-25T) 300 (14-28T) 292 (11-32T)	335
No	ote		, ,	

Ser	ries	SHIMANO 105	SHIMANO	ULTEGRA
Mode	el no.	CS-R7000	CS-HG700-11	CS-6700
Ty	pe	HG-EV	HG-EV	HG
Rears	peeds	11	11	10
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 10-speed
Combination nar	ne (Group name)	11-28T, 11-30T, 11-32T, 12-25T	11-34T	11-25T, 11-28T, 12-25T, 12-30T
	1	11-12-13-14-15-17-19-21-23-25-28T	11-13-15-17-19-21-23-25-27-30-34T	11-12-13-14-15-17-19-21-23-25T
	2	11-12-13-14-15-17-19-21-24-27-30T	-	11-12-13-14-15-17-19-21-24-28T
	3	11-12-13-14-16-18-20-22-25-28-32T	-	12-13-14-15-16-17-19-21-23-25T
Combination * Titanium gear	4	12-13-14-15-16-17-18-19-21-23-25T	-	12-13-14-15-17-19-21-24-27-30T
Trainan gear	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Culina tuna	HG spline L (ROAD 12/11-speed)	✓	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	•	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider ann	Finish	-	-	-
Aluminum spider	QTY (pcs)	1	1	1
arm '	Finish	Anodized	Anodized	Anodized
Steel spider arm	QTY (pcs)	-	-	-
Steel spider anni	Finish	-	-	-
Titanium gear	QTY (pcs)	0	0	0
i italiialii geal	Finish	-	-	-
Aluminum gear	QTY (pcs)	0	0	0
Adminium gear	Finish	-	-	-
Steel gear	QTY (pcs)	11	11	10
Jieer gear	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Steel	Steel	Aluminum
LOCK TINIS	Finish	Nickel plated	Nickel plated	Anodized
Average v		284 (11-28T) 304 (11-30T) 320 (11-32T) 269 (12-25T)	379	230 (11-25T) 242 (11-28T) 238 (11-25T) 275 (12-30T)
No	ote			

Cassette

Sei	ries	SHIMANO	SHIMANO
Mode	el no.	CS-HG500-10	CS-HG50-9
Ty	pe	HG	HG
Rears	peeds	10	9
Compati	ble chain	HG-X 10-speed, HG 10-speed	HG 9-speed
Combination nar	ne (Group name)	11-25T, 12-28T, 11-32T, 11-34T	11-30T (bQ), 12-25T, 13-25T, 14-25T
	1	11-12-13-14-15-17-19-21-23-25T	11-12-14-16-18-20-23-26-30T (bQ)
	2	12-13-14-15-17-19-21-23-25-28T	12-13-14-15-17-19-21-23-25T
Combined on A	3	11-12-14-16-18-20-22-25-28-32T	13-14-15-16-17-19-21-23-25T
Combination * Titanium gear	4	11-13-15-17-19-21-23-26-30-34T	14-15-16-17-18-19-21-23-25T
Trainiani geai	5	-	-
	6	-	-
	7	-	-
	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	1
	HG spline S (7-speed)	-	-
Carbon spider arm	QTY (pcs)	-	-
Carbon spider arm	Finish	-	-
Aluminum spider arm	QTY (pcs)	-	-
arm '	Finish	-	-
Steel spider arm	QTY (pcs)	-	-
Steel spider aim	Finish	-	-
Titanium gear	QTY (pcs)	0	0
ritainum year	Finish	-	-
Aluminum gear	QTY (pcs)	0	0
Adminium gear	Finish	-	-
Steel gear	QTY (pcs)	10	9
Jeer year	Finish	Nickel plated	Nickel plated
Lock ring	Material	Steel	Steel
	Finish	Nickel plated	Nickel plated
	weight (g)	-	-
No	ote		

ST

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Front Hub (Rim/Disc Brake)

Ser	ies	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO 105
Mode	el no.	HB-9000	HB-7710	HB-7600	HB-6800	HB-R7000	HB-R7070
	1 Hub shell	Series color	Silver	Silver	Series color	Silky black	Silky black
ŀ	1 Quick release	Series color	Silver	Silver	Series color	Black	-
Color	2 Hub shell	-	-	-	-	Spark silver	-
	2 Quick release	-	-	-	-	Black	-
Brake		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	CENTER LOCK disc brake
O.L.D.	(mm)	100	100 (front), 120 (rear)	100 (front), 120 (rear)	100	100	100
	24H	1	-	-	-	-	-
	28H	1	1	1	-	-	-
Spoke hole	32H	1	1	1	1	1	1
	36H	1	1	1	1	1	1
Axle fixing		Quick release	Nut	Nut	Quick release	Quick release	12 mm E-THRU
i	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	-	-	1	1	_
	100 x 8	-	_	-	-	-	-
Thru axle (length x	100 x 12	_	_	_	-	-	1
Thru axle (length x inner diameter ; mm)	100 x 15	_	-	_	-	_	-
,	110 x 20	_	-	_	-	-	_
Flange distance (mm)		74.0	74.0 (front), 72.5 (single thread/rear), 67.0 (double thread/ rear)	72.3 (front), 75.5 (single thread, rear), 65.0 (double thread, rear)	71.6	71.6	59.6
Offset (mm)		0	0 (front), 2.75 (single thread/rear), 0 (double thread/ rear)	0 (front), 5.25 (rear)	0	0	6
P.C.D. left /	right (mm)	38	38 (Front), 44 (Rear)	67	40	38	44
Flange dian	neter (mm)	48.4	46 (Front), 52 (Rear)	75	50.4	48.4	52.8
Se	al	Labyrinth+Contact	Dust cap	Dust cap	Labyrinth+Contact	Contact	Contact
Internal gre	ease sleeve	1	-	-	✓	✓	✓
Digital adjust	ment system	1	-	-	✓	-	-
	Stainless ball	1	1	1	-	-	-
Bearing	Cup	Super finishing **	Polish	CBN+Polish	Polish	Polish	Polish
-	Cone	CBN+Polish	CBN+Polish	CBN+Polish	CBN+Polish	CBN+Polish	CBN+Polish
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Aluminum	Steel	Steel	Aluminum	Steel	Aluminum
Axle	Finish	Anodized	Plating	Plating	Anodized	-	Anodized
	Material	Aluminum	-	-	Aluminum	Aluminum	-
Quick release lever	Finish	Anodized	-	-	Anodized	Anodized	-
Ouick rologe	Material	Anodized	-	-	Aluminum	Aluminum	-
Quick release housing	Finish	Silver	-	-	Anodized	Anodized	-
	Material	Anodized	-	-	Resin	Resin	-
Quick release nut	Finish	Silver	-	-	Black	Black	-
Radial		1	-	-	√	✓	-
Average weight (g)		120	298 (rear w/ lock ring), 203 (front)	313 (rear LF w/ lock ring) 241 (front LF)	158	155	165
Note		* Aero spoke hole available(18H/24H) ** Super Finishing	For Track * Dishing Distance R (Single Thread): 2.75 mm / (Double Thread): 0			-	-

Front Hub (Rim/Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	HB-RS770	HB-RS400	HB-RS470	HB-RS300
	1 Hub shell	Black/Silver	Black	Black	Silver
	1 Quick release	-	Black	-	Silver
Color	2 Hub shell	-	Silver	-	Black
	2 Quick release	-	Black	-	Black
Brake	Brake type		Rim brake	CENTER LOCK disc brake	Rim brake
O.L.D. (mm)		100	100	100	100
	24H	-	-	-	-
Casha bala	28H	✓	✓	✓	✓
Spoke hole	32H	✓	✓	1	✓
	36H	1	✓	-	✓
Axle fixin	Axle fixing method		Quick release	12 mm E-THRU	Quick release
Quick release	129	-	-	-	✓
Quick release skewer length (mm)	133	-	1	-	✓
	100 x 8	-	-	-	-
Tḥru axle (length x	100 x 12	1	=	1	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-
	110 x 20	-	-	-	-
Flange dist	ance (mm)	59.6	71.6	59.6	71.6
Offset	(mm)	6	0	6.3	0
P.C.D. left /	right (mm)	44	38	44	38
Flange diar	neter (mm)	52.8	48.4	52.8	48.4
Se	al	Labyrinth+Contact	Contact	Contact	Contact
Internal gre	ease sleeve	-	1	1	-
Digital adjust		-	-	-	-
	Stainless ball	-	-	-	-
Bearing	Cup	CBN	Polish	Polish	-
-	Cone	CBN	CBN	CBN+Polish	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized
	Material	Aluminum	Steel	Aluminum	Steel
Axle	Finish	Anodized	-	-	-
	Material	-	Aluminum	-	Aluminum
Quick release lever	Finish	-	Painted	-	Painted
Ouick release	Material	-	Aluminum	-	Steel
Quick release housing	Finish	-	Painted	-	Painted
	Material	-	Resin	-	Resin
Quick release nut	Finish	-	Black	-	Black
Radial	lacing	-	1	1	1
Average weight (g)		125	-		-
No	te	-		-	

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FREEHUB (Rim/Disc Brake)

Ser	ies	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO	SHIMANO
Mode	el no.	FH-9000	FH-6800	FH-R7000	FH-R7070	FH-RS770	FH-RS400
	1 Hub shell	Series color	Series color	Silky black	Silky black	Black/Silver	Black
Calan	1 Quick release	Series color	Series color	Black	Black	-	Black
Color	2 Hub shell	-	-	Spark silver	-	-	Silver
	2 Quick release	-	-	Black	-	-	Black
Brake	tuno	Rim brake	Rim brake	Rim brake	CENTER LOCK disc	CENTER LOCK disc	Rim brake
	,.				brake	brake	
Rear s		11/10 *	11/10 *	11/10 *	11/10 *	11/10 *	11/10
O.L.D.	(mm)	130	130	130	142	142	130
	24H	✓	-	-	-	-	-
Spoke hole	28H	✓	-	-	-	✓	✓
Spoke Hole	32H	✓	✓	✓	✓	✓	✓
	36H	✓	✓	✓	✓	✓	✓
External serration	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	-	-	-	-	-	-
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	-	-	-	1	1	-
CENTER LOCK mo	unt cover option	-	-	-	1	-	-
Axle fixin	· · · · · · · · · · · · · · · · · · ·	Quick release	Quick release	Quick release	12 mm E-THRU	12 mm E-THRU	Quick release
Act Hall	161	- Quick release	-	- Quick release	-	-	-
	163	1	1	1	_	_	1
Outstand	166	-	-	-	-	-	-
Quick release skewer length (mm)	168	-	- -	1	-	-	-
	170	-		-	-	-	-
	170	-	-	-	-	-	-
		-	-	-	-	-	-
	135 x 10 135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;		-	-	-			-
inner diameter ; mm)	142 x 12			-	1	√	
	148 x 12	-	-	-	-	-	-
=1 "	150 x 12	-	-	-	-	-	-
Flange dist		56.9 **	56.9	56.9	55.7	55.7	56.9
Offset	` '	9.75 **	9.7	9.75	7.45	7.5	9.75
P.C.D. left /		44/45	44/45	44/45	44/45	44/45	44/45
Flange diameter	•	52.8/53.8	52.8/53.8	52.8/53.8	52.8/53.8	52.8/53.8	52.8/53.8
	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (RQAD	,	,	,	,	,	,
Spline type	12/11-speed)	✓	√	1	1	√	1
Spille type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
	Hub	Contact	Contact	Contact	Contact	Contact	Contact
Seal	FREEHUB body	Contact	Contact	Contact	Contact	Contact	Contact
Indoned and				Contact ✓	Contact ✓	Contact	Contact
Internal gre		1	/	-	-	-	-
Digital adjust	Stainless ball	4		-			
Rearing		·	- Polish		- Polish	- CDN	- Polish
Bearing	Cup	CBN	Polish	Polish	Polish	CBN	Polish
	Cone	CBN	CBN	CBN	CBN	CBN	CBN
FREEHUB body	Material	Titanium	Steel	Steel	Steel	Steel	Steel
-	Finish	- Aluminum	Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material	Aluminum	Aluminum	Steel	Steel	Aluminum	Steel
	Finish	Anodized	Anodized	-	-	Anodized	-
Outstand 1	Material	Aluminum	Aluminum	Aluminum	-	-	Aluminum
Quick release lever	Finish	Anodized	Anodized	Anodized	-	-	Painted
	Color	9000SLV	Black	Black	-	-	Black
Quick release housing	Material	Aluminum	Aluminum	Aluminum	-	-	Aluminum
nousing	Finish	Anodized	Anodized	Anodized	-	-	Painted
Quick release nut	Material	Aluminum	Resin	Resin	-	-	Resin
	Finish	Anodized	Black	Black	-	-	Black
Disc brake rotor lock ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Radial		-	-	-	-	-	-
Average weight (c release no	g) (w/o axle, quick r lock ring)	247	330	368	361	302	-
No	-	* Can be used for 10-speed with an additional spacer ** Aero spoke hole available *** Flange Distance:56.5, Dish:995(only for 28H), *** Super Finishing.	* Can be used for 10-speed with an additional spacer	* Can be used for 10-speed with an additional spacer	* Can be used for 10-speed with an additional spacer.	* Can be used for 10-speed with an additional spacer. For disc brake/ CENTER LOCK mount	* Can be used for 10-speed with an additional spacer

FREEHUB (Rim/Disc Brake)

Ser	ries	SHIMANO	SHIMANO
Mode		FH-RS470	FH-RS300
	1 Hub shell	Black	Silver
	1 Quick release	-	Silver
Color	2 Hub shell	-	Black
	2 Quick release	-	Black
Brake	tyne	CENTER LOCK disc	Rim brake
		brake	
O.L.D.	peeds (mm)	11/10 * 142	11/10/9/8/7
O.L.D.	(IIIII) 24H	-	-
	28H	1	1
Spoke hole	32H	1	· /
	36H	-	√
External serration disc brake rotor lock	With	-	-
disc brake rotor lock ring	Without	-	-
Internal serration	With	-	-
disc brake rotor lock ring	Without	1	-
CENTER LOCK mo	unt cover option	-	-
Axle fixin	g method	12 mm E-THRU	Quick release
	161	-	-
	163	-	✓
Quick release skewer length (mm)	166	-	-
skewer length (mm)	168	-	✓
	170	-	-
	173	-	-
	135 x 10	-	-
Thru axle (length x	135 x 12	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	1	-
	148 x 12	-	-
Flamma disa	150 x 12	-	
Flange dist		55.7 7.45	57.9
Offset P.C.D. left /		44/45	8.4 45
Flange diameter		52.8/53.8	53.8
age didilietei	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	_	
		,	<u>-</u>
e-th-	HG spline L (ROAD 12/11-speed)	✓	-
Spline type			
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	✓
	HG spline S (7-speed)	-	-
Seal	Hub	Contact	Contact
	FREEHUB body	Contact	Contact
Internal gr		1	✓
Digital adjust		-	-
_	Stainless ball	-	-
Bearing	Cup	Polish	-
	Cone	CBN	-
FREEHUB body	Material	Steel	Steel
•	Finish	- Alumiaua	Al. 1997 :
Hub shell	Material	Aluminum	Aluminum
-	Finish Material	Anodized Steel	Anodized Steel
Axle	Finish	steei -	- Steel
	Material	-	Aluminum
Quick release lever	Finish	-	Painted
	Color	-	Black
Quick release	Material	-	Steel
Quick release housing	Finish	-	Painted
Ouick release nut	Material	-	Resin
Quick release nut	Finish	-	Black
Disc brake rotor lock	Material	-	-
ring	Finish	-	-
Radial		-	-
Average weight (c release no	g) (w/o axle, quick r lock ring)	-	-
		* Can be used for	
No	ote	* Can be used for 10-speed with an additional spacer	
		additional spacel	

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Wheel (Disc Brake)

Ser	ies	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Mode	el no.	WH-R9270-C60-HR- TU-F	WH-R9270-C60-HR- TU-R	WH-R9270-C60-HR- TL-F	WH-R9270-C60-HR- TL-R	WH-R9270-C50-TU-F	WH-R9270-C50-TU-R
Model		WH-R9270-C60-HR- TU	WH-R9270-C60-HR- TU	WH-R9270-C60-HR- TL	WH-R9270-C60-HR- TL	WH-R9270-C50-TU	WH-R9270-C50-TU
Specifi	1 Hub shell	F Series color	R Series color	F Series color	R Series color	F Series color	R Series color
Color	1 Ouick release 2 Hub shell	-	-	-	-	-	- -
Front	2 Ouick release	- Front	- Rear	- Front	- Rear	- Front	- Rear
Brake	type	CENTER LOCK disc brake	Rear CENTER LOCK disc brake	Front CENTER LOCK disc brake	Rear CENTER LOCK disc brake	Front CENTER LOCK disc brake	Rear CENTER LOCK disc brake
Rear s O.L.D. Whee	peeds (mm)	100	12 142 700C	100	12 142 622 <u>x</u> 21C (700C)	100	12 142 700C
Whee Tire	l size Type Recommended size	700C Tubular	Tubular	622 x 21C (700C) Tubeless 25-622 - 32-622	622 x 21C (700C) Tubeless 25-622 - 32-622	700C Tubular	700C Tubular
ille	Recommended size Height (mm)	Tubular 25-28" - 32-28" 60	25-28" - 32-28" 60	25-622 - 32-622 60	25-622 - 32-622 60	Tubular 25-28" - 32-28" 50	Tubular 25-28" - 32-28" 50
	Height (mm) Internal width (mm) External width (mm)	- 28	28	60 21 28	21 28	- 28	- 28
Rim	Rim joint	-	-	-	-	-	-
	Brazed reinforcement OFFSET RIM	-	-	-	-	-	-
	Requires rim tape Number	- 24	24	√ 24	√ 24	- 24	- 24
Spokes	Straight pull	7	7	7	7	7	7
spokes	Bladed Butted	y	y	7	204222	204522	7
Axle fixin	Diameter (mm) g method	2.0-1.8-2.0 12 mm E-THRU	2.0-1.8-2.0 12 mm E-THRU	2.0-1.8-2.0 12 mm E-THRU	2.0-1.8-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU
Quick release skewer length (mm)	133 163	-	-	-	-	-	-
	163 168 100 x 8 100 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12 142 x 12	√	-	√	-	√	- J
·	142 x 12 MICRO SPLINE	-	-	-	-	-	-
	12-speed dedicated)	-	1	-	1	-	1
Spline type	12/11-speed)	-	-	-	-	-	-
Spinic type	MICHO STAINE HG spline L2 (ROAD 12-speed dedicated) HG spline L (ROAD 12/11-speed) HG spline M (10/9) 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) HG spline S	-	-	-	-	-	-
	ĊŚ-ĤG400/HG210) HG spline S						
Engagem	HG spline S (7-speed) ent type	-	Direct engagement	-	Direct engagement	-	Direct engagement
Bearing	ent type Stainless ball Cup	√ CBN	CBN	✓ CBN	CBN	√ CBN	
	Cone CENTER LOCK CENTER LOCK	CBN	CBN	CBN	CBN	CBN	CBN CBN
Disc mount	CENTER LOCK	-	-	-	-	-	-
	mount cover option 140 mm disc brake rotor compatible	1	1	1	1	1	1
OPTBA	140 mm disc brake rotor compatible L (2:1) rim	1	1	1	1	-	1
Digital aujust		- Contact	- Contact	- Contact	Contact	Contact	Contact
Seal	Hub FREEHUB body	Contact -	Contact Contact	Contact -	Contact Contact	Contact -	Contact Contact
Rim	ease sleeve Material	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
Spoke	Finish Material	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel
Nipple	Finish Material	Series color Aluminum	Series color Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
FREEHUB body	Finish Material	Series color -	Series color Aluminum	Series color -	Series color Aluminum	Series color -	Series color Aluminum
Hub shell	Finish Material Finish	- Aluminum	Aluminum	Aluminum	- Aluminum	Aluminum	Aluminum
Axle	iviateriai	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Quick release lever	Finish Material	Anodized -	Anodized -	Anodized -	Anodized -	Anodized	Anodized
Ouick release	Finish Material	-		-	-	-	-
housing	Finish Material	-	-	-	-	-	-
Quick release nut Compatible sp	Finish	-	- CP-WR92C	-	CP-WR92C	-	CP-WR92A
Conipatible Sp	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (v tape, tubeless tape, v		667	770	751	858	610	723
Table, Tubeless Table, V	raive stem, lock ring)						

Wheel (Disc Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Mode		WH-R9270-C50-TL-F	WH-R9270-C50-TL-R	WH-R9270-C36-TU-F	WH-R9270-C36-TU-R	WH-R9270-C36-TL-F	WH-R9270-C36-TL-R
Model Specifi	name cation	WH-R9270-C50-TL	WH-R9270-C50-TL R	WH-R9270-C36-TU	WH-R9270-C36-TU R	WH-R9270-C36-TL	WH-R9270-C36-TL R
Specifi	1 Hub shell 1 Quick release	Series color	Series color	Series color	Series color	Series color	Series color
Color	2 Hub shell 2 Quick release	-	-	-	-	-	-
Event	2 Quick release	- Eront	Poor	- Eront	- Poor	- Eront	- Poor
Front Brake		Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc
		brake -	brake 12	brake -	brake 12	brake -	brake 12
Rear s O.L.D. Whee	(mm)	100 622 x 21C (700C)	142 622 x 21C (700C)	100 700C	142 700C	100 622 x 21C (700C)	142 622 x 21C (700C)
Tire	Type	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubular	Tubular	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622
1110	Recommended size Height (mm)	25-622 - 32-622 50 21	25-622 - 32-622 50 21	25-28" - 32-28" 36	25-28" - 32-28" 36	25-622 - 32-622 36 21	25-622 - 32-622 36 21
	Internal width (mm) External width (mm)	<u> </u>	<u> </u>	-	-		
Rim	Rim ioint	28 	28	28	28	28	28
I.IIII	Brazed reinforcement OFFSET RIM	-	-	-	-	-	-
	OFFSET RIM Requires rim tape	-	-	-	-	-	-
	Number	24	24	24	24	24	24
Spokes	Straight pull Bladed	*	<i>'</i>	1	1	*	1
	Butted	201520	201520	2.0-1.5-2.0	201520	201520	201520
Axle fixin	Diameter (mm) g method	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU	2.0-1.5-2.0 12 mm E-THRU
Ouick release	133 163	-	-	-	-	-	-
skewer length (mm)	168 100 x 8	-	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 12	-	-	7	-	-	-
mm)	142 x 12 MICRO SPLINE	-	√	-	√	-	√
	HG spline L2 (ROAD 12-speed dedicated)	-	1	-	1	-	1
	HG spline L (ROAD 12/11-speed)	=	-	_	-	_	-
Spline type	12/11-speed) HG spline M (10/9/	-	-	_	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	CS-HG400/HG210)						
Engagem	HG spline S (7-speed)	-	- Direct engagement	-	- Direct engagement	-	- Direct engagement
	Stainless ball	J	7	J	J		J
Bearing	Cup Cone	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN
	Cone CENTER LOCK CENTER LOCK	√	√	7	V	√	7
Disc mount	mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible L (2:1)	✓	✓	✓	✓	✓	✓
OPTBA D2	<u>.L (2:1)</u> rim	-		-	/	-	1
Digital adjust	ment system	-	-	-	-	-	-
Seal	Hub FREEHUB body	Contact -	Contact Contact	Contact -	Contact Contact	Contact -	Contact Contact
Internal gro	ease sleeve Material	- Carbon	- Carbon	Carbon	- Carbon	- Carbon	- Carbon
Rim	Finish	Painted	Painted Stainless steel	Painted	Painted	Painted	Painted
Spoke	Material Finish	Stainless steel Series color	Series color	Stainless steel Series color	Stainless steel Series color	Stainless steel Series color	Stainless steel Series color
Nipple	<u>Material</u> Finish	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color
FREEHUB body	Material	-	Aluminum	-	Aluminum	-	Aluminum
Hub shell	Finish Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Axle	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever	Material Finish	-	-	-	-	-	-
Quick release housing	<u>Material</u> Finish	-	-	-	-	-	-
Quick release nut	Material Finish	-	-	-	-	-	-
	oke protector	-	CP-WR92A	-	CP-WR92A	-	CP-WR92A
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Average weight (a) (v		RR-317-WUA SW 674	RR-317-WUA SW 787	RR-317-WUA SW 522	RR-317-WUA SW 632	RR-317-WUA SW 620	730
Average weight (g) (v tape, tubeless tape, v No	<u>/alve stem, lock ring)</u> ite	0/4	101	322	032	020	/30

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Wheel (Disc Brake)

Se	ries	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mod	el no.	WH-R8170-C60-TL-F	WH-R8170-C60-TL-R	WH-R8170-C50-TL-F	WH-R8170-C50-TL-R	WH-R8170-C36-TL-F	WH-R8170-C36-TL-R
Mode	name ication	WH-R8170-C60-TL	WH-R8170-C60-TL R	WH-R8170-C50-TL	WH-R8170-C50-TL R	WH-R8170-C36-TL	WH-R8170-C36-TL R
эресп	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
Color	1 Hub shell 1 Quick release 2 Hub shell 2 Quick release	-	-	-	-	-	-
Fron	2 Quick release t/Rear	- Front	- Rear	- Front	- Rear	- Front	- Rear
	e type	Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc brake	Rear CENTER LOCK disc
Rear	speeds	brake -	brake 12/11	brake -	brake 12/11	-	brake 12/11
O.L.D Whe	speeds . (mm) el size	100 622 x 21C (700C)	142 622 x 21C (700C)	100 622 x 21C (700C) Tubeless 25-622 - 32-622 50 21 28	142 622 x 21C (700C)	100 622 x 21C (700C)	142 622 <u>x</u> 21C (700C)
Tire	Recommended size	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622
	Height (mm) Internal width (mm) External width (mm)	60 21	60 21	50 21	50 21	36 21	36 21 28
	External width (mm)	28	28	28	28	28	28
Rim	Rim joint Brazed reinforcement	-	-	-	-		-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape Number	24	24	24	24	24	24
Spokes	Straight pull Bladed	1	1	1	1	1	<i>J</i>
•	Butted	7	y	/	V	V	y
Axle fixir	Diameter (mm)	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU
Quick release skewer length (mm)	133 163	-	-	-	-	-	-
Thru axle (length x	168 100 x 8	-	-	-	-	-	-
inner diameter ; mm)		1	-	J	-	1	-
11111)	MICRO SPLINE	-	-	-	-	-	-
	100 x 12 142 x 12 MICRO SPLINE HG spline L2 (ROAD) 12-speed dedicated) 11-speed) HG spline M (10/9) 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) HG spline S	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	✓	-	✓	-	✓
Spline type	HG spline M (10/9/						
	11-speed, 7-speed	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	=	=	-	-
Engager	nent type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Bearing	Stainless ball Cup	Polish	Polish	Polish	Polish	Polish	Polish
	Cone CENTER LOCK CENTER LOCK	CBN	CBN	CBN	CBN ✓	CBN	CBN
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-	-
	mount cover option 140 mm disc brake rotor compatible	✓	✓	✓	1	1	1
OPTB/	AL (2:1)	-	1	-	1	-	1
Digital adjus	rim tment system	-	<u>-</u>	-	-	-	-
Seal	tment system Hub FREEHUB body	Contact -	Contact Contact	Contact -	Contact Contact	Contact -	Contact Contact
internal gr	ease sleeve Material	√ Carbon	Carbon	√ Carbon	Carbon	√ Carbon	√ Carbon
Rim	Finish	Painted	Painted Stainless steel	Painted	Painted	Painted Stainless steel	Painted
Spoke	Material Finish	Stainless steel Series color	Series color	Stainless steel Series color	Stainless steel Series color	Series color	Stainless steel Series color
Nipple	Material Finish Material	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color
FREEHUB body	Material Finish	-	Steel -	-	Steel -	-	Steel -
Hub shell	Finish Material Finish	Aluminum	Aluminum	Aluminum Anodized	Aluminum	Aluminum	Aluminum
Axle	l Material	Anodized Aluminum	Anodized Aluminum	Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Quick release lever	Finish Material	Anodized -	Anodized -	Anodized -	Anodized -	Anodized -	Anodized -
Quick release	Finish Material	-	<u>-</u>	-	-	-	-
housing	Finish Material	-	-	-	-	-	-
Quick release nut	Finish poke protector	-		-	- CD_\N/DQ1 A	-	
Compatible S	JIS/CPSC	CATEYE	CP-WR81A CATEYE RR-550-WUW SW	CATEYE	CP-WR81A CATEYE RR-550-WUW SW	CATEYE	CP-WR81A CATEYE RR-550-WUW SW
Reflector	AS	RR-550-WUW SW CATEYE	CATEYE	RR-550-WUW SW CATEYE	CATEYE	RR-550-WUW SW CATEYE	L CALEYE
Reflector	DIN	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE
Average weight (a) (w/o quick release, rim valve stem, lock ring) ote	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW
Average weight (4) (ver o quick release, filli	738	911	698	872	657	831

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	DURA-ACE	SHIMANO
Mode		WH-RS710-C32-TL-F	WH-RS710-C32-TL-R	WH-RS710-C46-TL-F	WH-RS710-C46-TL-R	WH-R9170-C60-TU- F12	WH-RS370-TL-F12
Model Specifi		WH-RS710 C32-TL-F Black	WH-RS710 C32-TL-R Black	WH-RS710 C46-TL-F Black	WH-RS710 C46-TL-R Black	WH-R9170-C60-TU F12	WH-RS370-TL F12
	1 Hub shell	Black	Black	Black	Black	Series color	Black
Color	1 Quick release 2 Hub shell	-	-	-	-	-	-
Front	2 Quick release /Rear	- Front	- Rear	- Front	- Rear	- Front	- Front
Brake		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear s O.L.D.		-	12/11	-	12/11	-	-
Whee	el size	100 622 x 21C (700C)	142 622 <u>x</u> 21Ç (700C)	100 622 x 21C (700C)	142 622 x 21Ç (700C)	100 700C	100 622 x 19C (700C)
Tire	Type Recommended size	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622 32	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubular 23-28" - 28-28"	Tubeless 28-622 - 45-622 19
	Recommended size Height (mm) Internal width (mm) External width (mm)	32	32	25-622 - 32-622 46	46	23-28" - 28-28" 60	19
	External width (mm)	28	28	21 28	21 28	28	19 23.4
Rim	Brazed	-	-	-	-	-	Welded -
	reinforcement OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	√	√	√ 24	√ 24	- 24	√ 24
	Number Straight pull	-	24	-	-	∠4 ✓	∠4 √
Spokes	Bladed Butted		1	1	1	1	-
Ayle fivin	Diameter (mm) g method	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.6-2.0 12 mm E-THRU	2.0-1.8-2.0 12 mm E-THRU	2.0-1.8-2.0 12 mm E-THRU
Ouick release	133	12 IIIIII E-I HKU -	12 IIIII E-I HKU -	12 IIIII E-I HKU -	12 IIIIII E-1 HKU -	12 IIIIII E-THKU -	12 IIIII E-I HKU -
Quick release skewer length (mm)	163 168	-	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 8 100 x 12	-	-	-	-	-	-
mm)		-	1	-	1	-	-
	HG spline L2 (ROAD	-	-	-	-	-	-
	12-speed dedicated) HG spline L (ROAD	-	1		,		_
Spline type	12/11-speed) HG spline M (10/9/	-	•	-	1	-	-
	8-speed, MTB	-	-	-	-	-	-
	142 x 12 MICRO SPLINE HG spline L2 (ROAD) 12-speed dedicated HG spline L (ROAD) 12/11-speed HG spline M (10/9/ 8-speed, //-speed CS-HG400/HG210) HG spline S						
F======	(7-speed)	-	- David natalast	-	- David watch at	-	-
Engagem	Stainless ball	-	Pawl ratchet	-	Pawl ratchet	1	- -
Bearing	Cup Cone	Polish CBN	Polish CBN	Polish CBN	Polish CBN	CBN CBN	Polish CBN
	Cone CENTER LOCK CENTER LOCK	√		√	1	√	1
Disc mount		-	-	-	-	-	-
	rotor compatible	✓	✓	✓	✓	✓	✓
D2	140 mm disc brake rotor compatible L (2:1) rim	· ·	- -	· /	· /	· ·	-
Digital adjust	ment system	- Contact	- Contact	- Contact	- Contact	- Contact	- Contact
Seal	Hub FREEHUB body	-	Contact	-	Contact	-	-
Internal gro	Material	Carbon Painted	Carbon Painted	Carbon	Carbon Painted	Carbon Painted	√ Aluminum
	Finish	Painted Stainless steel Black	Painted Stainless steel	Painted Stainless steel Black	Painted Stainless steel	Painted Stainless steel Black	Anodized Stainless steel
Spoke	Material Finish Material	Black Aluminum	Stainless steel Black Aluminum	Black	Stainless steel Black Aluminum	Black Aluminum	Stainless steel Black Aluminum
Nipple	Finish	Black	Aluminum Black	Aluminum Black	Black	Silver	Aluminum Black
FREEHUB body	Material Finish	-	Steel -	-	Steel -	-	-
Hub shell	<u>Material</u> Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Axle	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum
Quick release lever	Material	-	-	-	-	-	-
Ouick release	Finish Material	-	-	-	-	-	-
housing Ouisk release put	Finish Material Finish	-	-	-	-	-	-
Quick release nut	Finish	-	- CP-	-	- CP-	-	-
Compatible sp	ooke protector	-	WH24(11-28,30,32,3 4T) CP-WR71A(11-36T)	-	CP- WH24(11-28,30,32,3 4T) CP-WR71A(11-36T)	-	-
	JIS/CPSC	CATEYE RR-550-WUW SW	CP-WR71A(11-36T) CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CP-WR71A(11-36T) CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (v tape, tubeless tape, v		RR-317-WUA SW 665	RR-317-WUA SW 839	719	RR-317-WUA SW 893	RR-317-WUA SW 678	RR-317-WUA SW 890
tape, tubeless tape, v	valve stem, lock ring) ote	003	555	713	033	076	-

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Wheel (Disc Brake)

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-RS370-TL-R12	WH-RS171-CL- F12-700C	WH-RS171-CL- R12-700C	WH-RX010-CL-F	WH-RX010-CL-R
Model	name	WH-RS370-TL R12	WH-RS171-CL	WH-RS171-CL	WH-RX010-CL	WH-RX010-CL
Specif	ication 1 Hub shell	R12 Black	F12-700c Black	R12-700c Black	F Black	R Black
Color	1 Quick release	-	-	-	Black	Black
	2 Hub shell 2 Quick release	-	-	-	-	-
Front	/Rear	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc	Front CENTER LOCK disc	Rear CENTER LOCK disc
	type	brake	brake	brake	brake	brake
Rear s O.L.D.	speeds . (mm)	11/10 * 142	100	11/10 * 142	100	11/10 * 135
Whee	el size Type	622 x 19C (700C) Tubeless	622 x 19C (700C) Clincher	622 x 19C (700C) Clincher	622 x 17C (700C) Clincher	622 x 17C (700C) Clincher
Tire	Recommended size	28-622 - 45-622	28-622 - 42-622	28-622 - 42-622	25-622 - 38-622 24	25-622 - 38-622
	Height (mm) Internal width (mm)	19 19	19 19	19 19	-	24
	Internal width (mm) External width (mm) Rim joint	23.4 Welded	24.6 Sleeve	24.6 Sleeve	23 Sleeve	23 Sleeve
Rim	Brazed	-	-	-	-	-
	reinforcement OFFSET RIM	-	-	-	-	-
	Requires rim tape Number	√ 24	√ 28	√ 28	√ 28	√ 28
Cmalera	Straight pull	7	-	-	-	-
Spokes	Bläded Butted	- -	-	-	-	-
Ayla fivin	Diameter (mm) g method	2.0-1.8-2.0 12 mm E-THRU	2 12 mm E-THRU	2 12 mm E-THRU	Quick release	Quick release
Quick release	133 163	-	-	-	\ \	-
skewer length (mm)	168	-	-	-	-	7
Thru axle (length x inner diameter ;	100 x 8 100 x 12	-	-	-	-	-
mm)	1/2 v 12	1	-	1	-	-
	MICRO SPLINE HG spline L2 (ROAD 12-speed dedicated) HG spline L (ROAD 11/11-speed)	-	-	-	-	-
	12-speed dedicated) HG spline L (ROAD)					-
Spline type	12/11-speed)	1	-	1	-	1
	12/11-speed) HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-
Engagen	nent type Stainless ball	-	-	Pawl ratchet	-	Pawl ratchet
Bearing	Cup	Polish	Polish	Polish	Polish	Polish
	Cone CENTER LOCK	CBN	CBN	CBN ✓	CBN ✓	CBN
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-
	l 140 mm disc brake l	✓	✓	1	1	1
	rotor compatible	-	=	-	-	-
Digital adjust		-	-	-	-	-
Seal	Hub FREEHUB body	Contact Contact	Contact -	Contact Contact	Contact	Contact Contact
•	ease sleeve	✓	Aluminum	√	Aluminum	√
Rim	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized (black)	Aluminum Anodized (black)
Spoke	Material Finish	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel Black
Nipple	Material Finish	Aluminum Black	Brass Silver	Brass Silver	Brass Silver	Brass Silver
FREEHUB body	Material	Steel	-	Steel	-	Steel
Hub shell	Finish Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Axle	Finish Material	Anodized Steel	Anodized Aluminum	Anodized Aluminum	Anodized Steel	Anodized Steel
	Finish Material	-	-	-	- Aluminum	- Aluminum
Quick release lever	Finish	-	-	-	Painted	Painted
Quick release housing	Material Finish	-	-	-	Steel Paințed	Steel Paințed
Quick release nut	<u>Material</u> Finish	-	-	-	Resin Black	Resin Black
Compatible sp	ooke protector	CP-FH08 (23T-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 11/ 10-speed)	-	CP-FH08 (23T-28T 11-speed) CP-WH41 (23-30T 10-speed) CP-WH12 (32T 11/ 10-speed) CATEYE	-	CP-FH08/CP-WH12 (11-speed), CP-FH40/ CP-FH41/CP-WH12 (10-speed)
	JIS/CPSC	RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (v	w/o quick release, rim valve stem, lock ring)	1090	897	1098	982	1177
		* The adapter is needed to use				* The adapter is needed to use
No	ote	needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette		needed to use 10-speed cassette

Wheel (Rim Brake)

Mode	ries	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model no.		WH-R9200-C60-HR- TU-F	WH-R9200-C60-HR- TU-R	WH-R9200-C50-TU-F	WH-R9200-C50-TU-R	WH-R9200-C36-TU-F	WH-R9200-C36-TU-R
Model	name	WH-R9200-C60-HR- TU	WH-R9200-C60-HR- TU	WH-R9200-C50-TU	WH-R9200-C50-TU	WH-R9200-C36-TU	WH-R9200-C36-TU
Specif		F	R	F	R	F	R
	1 Hub shell 1 Ouick release	Series color	Series color	Series color	Series color	Series color	Series color
Color	2 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	2 Quick release	-	-	-	-	-	-
	/Rear	Front	Rear	Front	Rear	Front	Rear
	type	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
	peeds . (mm)	100	12 130	100	12 130	100	12 130
	el size	700C	700C	700C	700C	700C	700C
Tire	Туре	Tubular	Tubular	Tubular	Tubular	Tubular	Tubular
1116	Recommended size	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"	25-28" - 32-28"
	Height (mm) Internal width (mm)	60	60	50	50	36	36
	External width (mm)	28	28	28	28	28	28
Rim	Rim joint	-	=	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	-	-	-		-	-
	Number Straight pull	16	21	16	21	16	21
Spokes	Straight pull Bladed	√	1	1	1	1	1
Shores	Butted	1	1	1	1	1	1
	Diameter (mm)	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0	2.0-1.6-2.0
Axle fixin	g method	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
Ouick release	133	1	-	✓	-	1	-
Quick release skewer length (mm)	163 168	-	1	-	1	-	1
Thru axle (length x inner diameter ;	100 x 12	-	-	-	-	-	-
inner diameter ; mm)	142 x 12	-	-	-	-	-	-
,	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD	-	1	-	1	-	1
	12-speed dedicated) HG spline L (RQAD		-				•
Spline type	12/11-speed)	-	-	-	-	-	-
Spilite type	HG spline M (10/9/ 8-speed, MTB						
	8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S	_	_	_	_	_	_
			_	_	_	_	_
Engagon	(7-speed)		Direct engagement		Direct opgagement		Direct opgagement
Engagen	ent type	-	Direct engagement	-	Direct engagement	-	Direct engagement
Engagen Bearing						- ✓ CBN	
	nent type Stainless ball Cup Cone	✓ CBN CBN	CBN CBN	✓ CBN CBN	CBN CBN	CBN CBN	CBN CBN
	ent type Stainless ball Cup Cone CENTER LOCK	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN
	ent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option	✓ CBN CBN	CBN CBN	✓ CBN CBN	CBN CBN	CBN CBN	CBN CBN
Bearing	ent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK CENTER COCK OUNT COVER Option 140 mm disc brake	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN	CBN CBN
Bearing Disc mount	ent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option	CBN CBN -	CBN CBN -	CBN CBN -	CBN CBN -	CBN CBN -	CBN CBN -
Bearing Disc mount OPTBA D2	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible L (2:1) rim	CBN CBN	CBN CBN - - -	CBN CBN	CBN CBN	- - - - -	CBN CBN - - -
Bearing Disc mount OPTBA D2	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim ment system	CBN CBN	CBN CBN	CBN CBN	CBN CBN		
Bearing Disc mount OPTBA D2	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OPTION 140 mm disc brake rotor compatible LL (2:1) rim tment system Hub	CBN CBN	CBN CBN Contact	CBN CBN	CBN CBN Contact	- - - - -	CBN CBN Contact
Bearing Disc mount OPTBA D2 Digital adjust	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OPTION 140 mm disc brake rotor compatible LL (2:1) rim Hub FREEHUB body	CBN CBN Contact	CBN CBN	CBN CBN Contact	CBN CBN	CBN CBN Contact	
Disc mount OPTBA D2 Digital adjust Seal Internal gr	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OPTION COMPANY COM	CBN CBN Contact - Carbon	CBN CBN Contact Contact Contact Carbon	CBN CBN Contact - Carbon	CBN CBN Contact Contact Contact Contact Contact Contact	CBN CBN Contact - Carbon	CBN CBN Contact Contact Contact Carbon
Disc mount OPTBA D2 Digital adjust	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OPTION 140 mm disc brake rotor compatible LL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact - Carbon Painted	CBN CBN Contact - Carbon Painted	Contact Contact Corbon Painted	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact Contact Carbon Painted
Disc mount OPTBA D2 Digital adjust Seal Internal gr	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish Material	CBN CBN Contact - Carbon Painted Stainless steel	CBN CBN Contact Contact Contact Contact Stainless steel	CBN CBN Contact - Carbon Painted Stainless steel	CBN CBN Contact Contact Contact Carbon Painted Stainless steel	CBN CBN Contact - Contact - Capainted Stainless steel	CBN CBN Contact Contact Contact - Carbon Painted Stainless steel
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OPTION 140 mm disc brake rotor compatible LL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact - Carbon Painted	CBN CBN Contact - Carbon Painted	Contact Contact Corbon Painted	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum
Disc mount OPTBA D2 Digital adjust Seal Internal grown	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color	CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN Contact - Carbon Painted Stainless steel Series color	CBN CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN Contact - Carbon Painted Stainless steel Series color	CBN CBN Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke	Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COVER OF THE LOCK MOUNT	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum	CBN CBN CBN CONTACT CONTACT CONTACT CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible L(2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal grown Rim Spoke Nipple	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT COWER OF THE L	CBN CBN CBN CBN CBN CBN CBN CBN C	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible L(2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized
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Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible Lt (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible L(2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible LL (2:1) rim ment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Series color	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Series color	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Series color
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release nut	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible L (2:1) rim tement system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color	CBN CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Con	CBN CBN CBN Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color	CBN CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124	CBN CBN CBN Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Series color	CBN CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact Conta
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release nut Compatible sp	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible Lt (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Finish Material Finish Material Finish Material Finish Material Finish	CBN	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW	CBN CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Contact CATEYE	CBN CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW	CBN CBN CBN	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release nut	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible L (2:1) rim tement system Hub FREEHUB body ease sleeve Material Finish	CBN	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum	CBN	CBN	CBN CBN CBN	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE RR-550-WUM SW
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release nut Compatible sp	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible Lt (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Finish Material Finish Material Finish Material Finish Material Finish	CBN CBN CBN CBN CBN CBN CBN CBN CCONTACT CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum CONTENTE ANODIZED ANODIZED CATEYE RR-550-WUW SW CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW CATEYE	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE RR-550-WUM SW CATEYE	CBN CBN CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized	CBN CBN CBN CBN CBN CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CARDON Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum CONTACT AND	CBN CBN CBN	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE RR-550-WUM SW CATEYE
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gri Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release nut Compatible sp	stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible Lt (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN CBN CBN CBN CBN CBN CBN CDN CDN CDN CDN CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum CDN CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact	CBN CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color - CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUA SW CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Control Aluminum Anodized Aluminum Series color - CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release lever Quick release nut Compatible sp Reflector Average weight (g) (tape, tubeless tape,	sent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible L(2:1) rim Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN CBN CBN CBN CBN CBN CCONTACT CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum CONTENTE ANODIZED ANODIZED CATEYE RR-550-WUW SW CATEYE RR-550-WUW SW CATEYE	CBN CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE RR-550-WUM SW CATEYE	CBN CBN CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Carbon Aluminum Anodized	CBN CBN CBN CBN CBN CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CONTACT CARDON Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum CONTACT AND	CBN CBN CBN	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE

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SVV

RD

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Wheel (Rim Brake)

Ser	ries	DURA-ACE	DURA-ACE	DURA-ACE	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-R9100-C60-TU-F	WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL-F	WH-RS700-C30-TL-R	WH-RS500-TL-F
	name	WH-R9100-C60-TU	WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL	WH-RS700-C30-TL	WH-RS500-TL
Specifi	ication 1 Hub shell	F Series color	F Series color	R Series color	F Silver	R Silver	F Silver
Color	1 Quick release	Series color	Series color	Series color	Silver	Silver	Silver
20101	2 Hub shell 2 Quick release	-	-	-	-	-	<u>-</u>
Front	/Rear	Front	Front	Rear	Front	Rear	Front
Brake Rear s	e type	Rim brake	Rim brake	Rim brake 11/10 *	Rim brake	Rim brake 11/10 *	Rim brake
O.L.D.		100	100	130	100	130	100
Whee	el size	700C	700C	700C	622 x 15C (700C)	622 x 15C (700C)	622 x 15C (700C)
Tire	Type Recommended size	Tubular 23-28" - 28-28"	Tubular 23-28" - 28-28"	Tubular 23-28" - 28-28"	Tubeless 23-622 - 32-622	Tubeless 23-622 - 32-622	Tubeless 23-622 - 32-622
	Height (mm)	60	37	37	24	31	24
	Internal width (mm) External width (mm)	- 28	- 28	28	15 20.8	15 20.8	15 20.8
Rim	Rim joint	-	-	-	Welded	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	✓
	OFFSET RIM	-	-	1	-	1	-
	Requires rim tape Number	- 16	- 16	21	√ 16	21	- 16
	Straight pull	✓	1	1	√	✓	✓
Spokes	Bladed Butted	1	1	1	<i>J</i>	1	
	Diameter (mm)	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.8-2.0	2.0-1.5-2.0	2.0-1.8-2.0	2.0-1.5-2.0
Axle fixin	g method	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	133 163	-	-	-	-	-	
I	168	-	-	1	-	1	-
Thru axle (length x inner diameter ; mm)	100 x 12 142 x 12	-	-	-	-	-	-
mm)	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	1	-	1	-
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	nent type Stainless ball	-	-	Pawl ratchet	-	Pawl ratchet	-
Bearing	Cup	CBN	CBN	CBN	CBN	CBN	Polish
	Cone	CBN	CBN	CBN	CBN	CBN	CBN+Polish
D'	CENTER LOCK CENTER LOCK	-	-	-	-	-	<u>-</u>
Disc mount	140 mm disc brake rotor compatible	-	-	-	-	-	-
OPTBA	AL (2:1)	-	-	1	-	1	-
	rim tmont system	1	1	1	-	-	<u> </u>
Seal	tment system Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	-	Contact	-	Contact	-
_	ease sleeve Material	Carbon	Carbon	Carbon	Carbon+AL	✓ Carbon+AL	Aluminum
Rim	Finish	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Anodized
Spoke	Material Finish	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel Black
Nipple	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
FREEHUB body	Finish Material	Silver -	Silver -	Silver Titanium (rear)	Black -	Black Steel	Black -
Hub shell	Finish Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
nub sneii	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Quick release lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Quick release	Finish Material	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
housing	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release nut	Material Finish	Aluminum Series color	Aluminum Series color	Aluminum Series color	Resin Black	Resin Black	Resin Black
Compatible sp	ooke protector	-	-	CP-W124	-	CP-W124	-
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
Average weight (a) (DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
tape, tubeless tape, v	w/o quick release, rim valve stem, lock ring)	666	637	747	616	924	705
No	ote	-	-	* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette	

Wheel (Rim Brake)

Model name	WH-RS100-CL-F WH-RS100-CL F Black Black Front Rim brake 100 622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Specification	F Black Black Black
Thus shell Silver Black	Black Black Black Front Rim brake 100 622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Color	- Front Rim brake - 100 622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 2 Quick release
Trion Pront/Rear Rear Front Rear	
Front/Rear Rear Front Rear Rear Brake type Rim brake	Front Rim brake - 100 622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Brake type	- 100 622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve
O.L.D. (mm)	622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Wheel size	622 x 17C (700C) Clincher 23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Recommended size 23-622	23-622 - 32-622 24 17 23.2 Sleeve 18-622 20 2 Quick release
Height (mm)	24 17 23.2 Sleeve - - 18-622 20 - - - 2 Quick release
Internal width (mm)	23.2 Sleeve 18-622 20 2 Quick release
Rim Sim	Sleeve
Razed reinforcement	- - 18-622 20 - - - - 2 Quick release
OFFSET RIM	18-622 20 - - - 2 Quick release
Requires rim tape	18-622 20 - - - 2 Quick release
Straight pull	- - - 2 Quick release
Spokes	- - 2 Quick release
Butted Jointer (mm) 2.0-1.8-2.0 2 2 2 2 2 2 2 2 2	- 2 Quick release
Diameter (mm) 2.0-1.8-2.0 2 2 2 2 2 2 2 2 2	Quick release
133 -	
Spline type	
Thru axle (length x inner diameter; mm)	-
MICRO SPLINE	-
MICRO SPLINE	-
HG spline L2 (RAAD 12-speed dedicated) -	-
HG spline L (ROAD 12/11-speed)	-
HG spline M (10/9) 8-5peed, MTB 11-5peed, 7-5peed CS-HG400/HG210	
R-Speed MTB 1-speed T-Speed	-
HG spline S (7-speed)	-
Pawl ratchet Pawl	-
Bearing Cup Polish Polish Polish Polish Polish Polish Polish CBN CBN+Polish	-
Cone CBN+Polish CBN CBN+Polish CBN+Polish CENTER LOCK - - - -	- Polish
CENTER LOCK	CBN
	-
Disc mount CENTER LOCK on our cover option	-
140 mm disc brake rotor compatible	-
OPTBAL (2:1) ✓	-
D2 rim	-
Digital adjustment system	- Contact
Seal FREEHUB body Contact - Contact - Contact	-
Internal grease sleeve	- A I
Rim Material Aluminum Aluminum Aluminum Aluminum Aluminum Aluminum Finish Anodized Black Black Painted Painted	Aluminum Black
Spake Material Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel	Stainless steel
· Finish Black Black Black Black Black Black Material Aluminum Al	Black Brass
Nipple Finish Black Black anodized Black anodized Black Black	Silver
FREFHIR body Material Steel - Steel - Steel	-
Material Aluminum Aluminum Aluminum Aluminum Aluminum	- Aluminum
Hub shell Finish Anodized Anodized Anodized	Painted
Axle Material Aluminum Steel Steel Steel Steel Steel	Steel
Material Aluminum Aluminum Aluminum Aluminum Aluminum	Aluminum
Quick release lever Finish Anodized Anodized Anodized	Painted
Quick release housing Material Aluminum Aluminum Aluminum Aluminum Aluminum Aluminum Aluminum Anodized	Steel Black
Quick release nut	Resin
I FINIST I BIACK BIACK BIACK BIACK BIACK	Black
CP-WH23 (23-28T) CP-W120 (32T)	-
JIS/CPSC CATEYE CATEYE CATEYE CATEYE CATEYE RR-550-WUW SW RR-550-WUW SW RR-550-WUW SW	CATEYE
Reflector AS CATEYE CATEYE CATEYE CATEYE CATEYE CATEYE CATEYE RR-550-WUA SW RR-550-WUA SW RR-550-WUA SW	CATEYE RR-550-WUW SW
DIN CATEYE CATEYE CATEYE CATEYE CATEYE CATEYE RR-317-WUA SW RR-317-WUA SW RR-317-WUA SW RR-317-WUA SW RR-317-WUA SW	RR-550-WUW SW CATEYE RR-550-WUA SW
RR-317-WUA SW RR-317-WUA S	CATEYE RR-550-WUA SW
* The adapter is * The	CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW
Note * The adapter is needed to use needed to use 10-speed cassette * The adapter is needed to use needed to use 10-speed cassette * The adapter is needed to use needed to use 10-speed cassette	CATEYE RR-550-WUA SW

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Wheel (Rim Brake)

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		WH-RS100-CL-R	WH-RS010-CL-F	WH-RS010-CL-R	WH-R501-A-CL-F	WH-R501-A-CL-R	WH-R501-CL-F
Model		WH-RS100-CL	WH-RS010-CL	WH-RS010-CL	WH-R501-A-CL	WH-R501-A-CL	WH-R501-CL
Specif	ication	R	F	R	F	R	F
	1 Hub shell 1 Ouick release	Black Black	Black Black	Black Black	Black Black	Black Black	Black Black
Color	2 Hub shell	-	- Diack	-	Silver	Silver	Silver
	2 Quick release	-	Black	Black	Black	Black	Black
Front Brake		Rear Rim brake	Front Rim brake	Rear Rim brake	Front Rim brake	Rear Rim brake	Front Rim brake
Rear		11/10 *	-	11/10 *	-	11/10/9/8/7	-
O.L.D.	O.L.D. (mm) Wheel size		100	130	100	130	100
	el size Type	622 x 17C (700C) Clincher	622 x 15C (700C) Clincher	622 x 15C (700C) Clincher	622 x 15C (700C) Clincher	622 x 15C (700C) Clincher	622 x 15C (700C) Clincher
Tire	Recommended size	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622	23-622 - 32-622
	Height (mm)	24	24	24	24	24	24
	Internal width (mm) External width (mm)	17 23.2	15 20.8	15 20.8	15 20.8	15 20.8	15 20.8
Rim	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
KIIII	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	1	-	1	-	-	-
	Requires rim tape	18-622	1	1	1	1	1
	Number	24	20	24	20	24	20
Spokes	Straight pull Bladed	-	-	-	-	-	-
Spokes	Butted	-	-	-	-	-	-
	Diameter (mm)	2	2	2	2	2	2
	g method 133	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release ✓
Quick release skewer length (mm)	163	<u>-</u>	-	- -	-	· /	-
	168	1	-	1	-	1	-
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
mm)	142 x 12 MICRO SPLINE	-	=	=	-	-	=
	HG spline L2 (ROAD	-	-	-	-	-	-
	12-speed dedicated)	-	-	-	-	-	-
Culling Aure	HG spline L (ROAD 12/11-speed)	✓	-	✓	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB					,	
	8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	-	-	/	-
	HG spline S (7-speed)	_	-	_	_	-	_
Fngagen	Engagement type		-	Pawl ratchet	-	Pawl ratchet	-
	Stainless ball	Pawl ratchet -	-	-	-	-	-
Bearing	Cup	Polish	Polish	Polish	Polish	Polish	Polish
	Cone CENTER LOCK	CBN -	CBN -	CBN -	CBN -	CBN -	CBN -
D'	CENTER LOCK	-	-	-	_	_	_
Disc mount	mount cover option 140 mm disc brake						
OPTR	rotor compatible	-	-	-	-	-	-
OPTBA D2	rim	-	-	-	-	-	-
	tment system	-	-	-	-	-	-
Seal	Hub FREEHUB body	Contact Contact	Contact -	Contact	Contact -	Contact	Contact -
Internal gr	ease sleeve	- Contact	-	Contact -	-	Contact -	-
Rim	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
rulli	Finish Material	Black Stainless steel	Anodized Stainless steel	Anodized Stainless steel	Anodized Stainless steel	Anodized Stainless steel	Anodized Stainless steel
Spoke	Finish	Stainless steel Black	Black	Black	Black	Black	Black
Nipple	Material	Brass	Brass	Brass	Brass	Brass	Brass
	Finish Material	Silver Steel	Silver	Silver Steel	Silver	Silver Steel	Silver
FREEHUB body	Finish		-		-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted Steel	Anodized Steel	Anodized Steel	Anodized Steel	Anodized Steel	Anodized Steel
Axle	Finish		-		-	-	-
Quick release lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted Steel	Painted Steel	Painted Steel	Painted	Painted	Painted Steel
Quick release housing	Material Finish	Black	Painted	Painted	Steel Painted	Steel Painted	Painted
Quick release nut	Material	Resin	Resin	Resin	Resin	Resin	Resin
quick release liut	Finish	Black	Black	Black	Black	Black	Black
Compatible sp	ooke protector	CP-WH24 CP-FH53 (34T)	-	CP-WH24 CP-FH53 (34T)	-	CP-FH06 CP-FH31 CP-FH46 CP-WH24	-
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (a) (
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		1105	818	1102	820	1069	820
tape, tubeless tape,							
	ote	* The adapter is needed to use 10-speed cassette		* The adapter is needed to use 10-speed cassette			

Wheel (Rim Brake)

Se	ries	SHIMANO					
Mod	WH-R501-CL-R						
Mode	WH-R501-CL						
	ication	R					
	1 Hub shell 1 Quick release	Black Black					
Color	2 Hub shell	Silver					
	2 Quick release	Black					
Front Brake	Rear Rim brake						
Rear	peeds	11/10/9/8/7					
O.L.D Whe	130 622 x 15C (700C)						
	Type	Clincher					
Tire	Recommended size	23-622 - 32-622					
	Height (mm) Internal width (mm)	24 15					
	External width (mm)	20.8					
Rim	Rim joint	Sleeve					
	Brazed reinforcement	-					
	OFFSET RIM Requires rim tape	<u> </u>					
	Number	24					
	Straight pull	-					
Spokes	Bladed Butted	<u> </u>					
	Diameter (mm)	2					
Axle fixin	g method	Quick release					
Quick release skewer length (mm)	133 163	<u>-</u>					
	168	1					
Thru axle (length x inner diameter ; mm)	100 x 12	-					
mm)	142 x 12 MICRO SPLINE						
	HG spline L2 (ROAD 12-speed dedicated)						
	HG spline I (ROAD						
Spline type	HG spline L (ROAD 12/11-speed)	-					
Spe type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	1					
	CS-HG400/HG210)						
	HG spline S (7-speed)	-					
Engagen	nent type	Pawl ratchet					
Bearing	Stainless ball Cup	- Polish					
2009	Cone	CBN					
	CENTER LOCK CENTER LOCK	-					
Disc mount	mount cover option	-					
	140 mm disc brake rotor compatible	-					
	AL (2:1)	-					
	rim tment system	-					
Seal	Hub	Contact					
	FREEHUB body ease sleeve	Contact					
Rim	Material	Aluminum					
Killi	Finish	Anodized					
Spoke	Material Finish	Stainless steel Black					
Nipple	Material	Brass					
	Finish Material	Silver Steel					
FREEHUB body	Finish	-					
Hub shell	Material	Aluminum					
	Finish Material	Anodized Steel					
Axle	Finish	-					
Quick release lever	Material Finish	Aluminum Painted					
Quick release	Material	Steel					
housing	Finish	Painted					
Quick release nut	Material Finish	Resin Black					
Compatible sp	ooke protector	CP-FH06 CP-FH31 CP-FH46					
	JIS/CPSC	CP-WH24 CATEYE RR-550-WUW SW					
Reflector	AS	CATEYE RR-550-WUA SW					
	DIN	CATEYE RR-317-WUA SW					
A	Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)						
Average weight (g) (tape, tubeless tape,	w/o quick release, rim valve stem, lock ring) ote	1069					

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Head Parts

Ser	DURA-ACE					
Mode	HP-7410					
Si	Size					
Thr	Thread					
Sealed cartri	dge bearings	1				
Stack hei	Stack height (mm)					
Lock nut	Material	Aluminum				
LOCK HUT	Finish	Anodized				
Unner / Lever suns	Material	Aluminum				
Upper / Lower cups	Finish	Anodized				
Unner stem sone	Material	Aluminum				
Upper stem cone	Finish	Anodized				
Stem cone	Material	Aluminum				
Stem cone	Finish	Anodized				
Average v	Average weight (g)					
No						

Shift/Brake Lever (Hydraulic Disc Brake)

Ser	Series		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105
Mode	el no.		ST-R9270-R	ST-R9270-L	ST-R8170-R	ST-R8170-L	ST-R7170-R	ST-R7170-L
Calan	1 2		Series color	Series color				
Color			-	-	-	-	-	-
Shifte	Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER				
Remote	Remote switch		1	✓	1	✓	-	-
	Brake hose (kit) Hose joint		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-J-SSR, SM- BH90-JK-SSR	SM-BH90-J-SSR, SM- BH90-JK-SSR
			Straight	Straight	Straight	Straight	Straight	Straight
	Brake 1		Black	Black	Black	Black	Black	Black
	color (kit)	2	-	-	-	-	-	-
	Recomr brake	nended caliper	BR-R9270	BR-R9270	BR-R8170	BR-R8170	BR-R7170	BR-R7170
Busha lawar	O	Dil	SHIMANO Mineral	SHIMANO Mineral				
Brake lever	Reach	adjust	✓	✓	1	✓	✓	1
	Clamp ba	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel bleeding		✓	✓	1	✓	1	1
	Free stroke adjust		1	✓	1	✓	✓	1
	SERVO WAVE		1	✓	1	✓	-	-
	Mat	erial	Carbon	Carbon	Aluminum	Aluminum	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Anodized	Anodized
Bracket	Material		CFRP	CFRP	CFRP	CFRP	GFRP	GFRP
Bracket	Fin	ish	-	-	-	-	-	-
Electric button	Mat	erial	CFRP	CFRP	CFRP	CFRP	GFRP	GFRP
Electric Button	Fin	ish	Painted	Painted	Painted	Painted	-	-
Di2 connectivity wired	Di2 sh	nifting	1	✓	1	1	-	-
Di2 connectivity wireless	Di2 sh	nifting	1	✓	1	✓	✓	1
Maste	r unit		-	-	-	-	-	-
Firmware update b	y E-TUBE P	ROJECT	1	✓	1	✓	✓	1
SD50 pc	ort (pcs)		0	0	0	0	0	0
SD300 p	ort (pcs)		1	1	1	1	1	1
SD50 conn	ector (pcs)		0	0	0	0	0	0
SD300 conr	nector (pcs)		0	0	0	0	0	0
Port for SD50 remote	sprinter sh	nifter (pcs)	0	0	0	0	0	0
Port for SD300 sat	tellite shifte	er (pcs)	1	1	1	1	0	0
Batt	tery		CR1632	CR1632	CR1632	CR1632	CR1632 x 2	CR1632 x 2
Average v	veight (g)		350 (/pair)	350 (/pair)	391 (/pair)	391 (/pair)	423 (/pair)	423 (/pair)
No	te							

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Shift/Brake Lever (Hydraulic Disc Brake)

Seri	es		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Mode	l no.		ST-R9170-R	ST-R9170-L	ST-R9180-R	ST-R9180-L	ST-R8070-R	ST-R8070-L
	1		Series color	Series color	Series color	Series color	Series color	Series color
Color	Color 2		-	-	-	-	-	-
Shifter	Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Remote switch		✓	✓	-	-	✓	1	
	Brake hose (kit)		SM-BH90-JK-SSR	SM-BH90-JK-SSR	SM-BH90-JK-SS	SM-BH90-JK-SS	SM-BH90-JK-SSR	SM-BH90-JK-SSR
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
[Brake hose	1	Black	Black	Black	Black	Black	Black
	hose color (kit)	2	-	-	-	-	-	-
	Recomr brake	mended caliper	BR-R9170	BR-R9170	BR-R9170	BR-R9170	BR-R8070	BR-R8070
[O	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Brake lever	Reach	adjust	1	1	1	1	1	1
	Clamp ba	and (mm)	23.8-24.2	23.8-24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	23.8-24.2	23.8-24.2
[Funnel bleeding		1	1	1	1	1	1
[Free stroke adjust		1	1	-	-	1	1
[SERVO WAVE		-	-	-	-	-	-
[Mat	erial	Carbon	Carbon	Carbon	Carbon	Aluminum	Aluminum
[Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Procket	Material		CFRP	CFRP	Aluminum	Aluminum	CFRP	CFRP
Bracket	Fin	ish	-	-	-	-	-	-
Electric button	Mat	erial	-	-	CFRP	CFRP	-	-
Liectific Button	Fin	nish	-	-	-	-	-	-
Di2 connectivity wired	Di2 sh	nifting	✓	✓	✓	✓	1	1
Di2 connectivity wireless	Di2 sh	nifting	-	-	-	-	-	-
Master	unit		-	-	-	-	-	-
Firmware update by	y E-TUBE P	ROJECT	1	1	1	1	1	1
SD50 po	rt (pcs)		2	2	1	1	2	2
SD300 pc	ort (pcs)		0	0	0	0	0	0
SD50 conne	SD50 connector (pcs)		0	0	0	0	0	0
SD300 conn	ector (pcs)		0	0	0	0	0	0
Port for SD50 remote	sprinter sh	nifter (pcs)	0	0	0	0	0	0
Port for SD300 sate	ellite shifte	er (pcs)	0	0	0	0	0	0
Batte	ery		-	-	-	-	-	-
Average w	eight (g)		160	160	99	99	180	180
Not	te							

Shift/Brake Lever

Ser	ies	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE
Model no.		ST-R9250-R	ST-R9250-L	ST-R8150-R	ST-R8150-L	ST-R9150-R	ST-R9150-L
Shifter type		DUAL CONTROL LEVER					
Remote	switch	✓	✓	✓	✓	✓	1
	Reach adjust Clamp band (mm)		1	1	1	1	1
			23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Brake lever	SLR-EV	✓	√	1	1	1	1
	Material	CFRP	CFRP	Aluminum	Aluminum	CFRP	CFRP
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
bracket	Finish	-	-	-	-	-	-
Electric button	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
Electric button	Finish	Painted	Painted	-	-	-	-
Maste	Master unit		-	-	-	-	-
Firmware update b	y E-TUBE PROJECT	✓	✓	1	1	1	1
Di2 connectivity wired	Di2 shifting	✓	✓	1	1	1	1
Di2 connectivity wireless	Di2 shifting	-	-	-	-	-	-
SD50 pc	ort (pcs)	0	0	0	0	2	2
SD300 p	ort (pcs)	2	2	2	2	0	0
SD50 conn	ector (pcs)	0	0	0	0	0	0
SD300 conr	nector (pcs)	0	0	0	0	0	0
Port for SD50 remote	sprinter shifter (pcs)	0	0	0	0	1	1
Port for SD300 sat	tellite shifter (pcs)	1	1	1	1	0	0
Batt	tery	-	-	-	-	-	-
Average v	veight (g)	230 (/pair)	230 (/pair)	295 (/pair)	295 (/pair)	230 (/pair)	230 (/pair)
No	ote					-	-

Ser	ries	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mode	el no.	ST-R9160-R	ST-R9160-L	ST-R8050-R	ST-R8050-L	ST-R8060-R	ST-R8060-L
Shifte	r type	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER
Remote	Remote switch		-	✓	✓	-	-
	Reach adjust	✓	1	✓	1	1	✓
	Clamp band (mm)	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5	23.8-24.2	23.8-24.2	INNER DIA. 19.0 - 22.5	INNER DIA. 19.0 - 22.5
Brake lever	SLR-EV	✓	1	1	1	1	✓
	Material	CFRP	CFRP	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Anodized	Anodized	Anodized	Anodized
Bracket	Material	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
вгаскет	Finish	-	-	-	-	-	-
Electric button	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
Electric button	Finish	-	-	-	-	-	-
Maste	Master unit		-	-	-	-	-
Firmware update b	y E-TUBE PROJECT	✓	✓	✓	✓	1	✓
Di2 connectivity wired	Di2 shifting	~	~	✓	1	1	1
Di2 connectivity wireless	Di2 shifting	-	-	-	-	-	-
SD50 po	ort (pcs)	1	1	2	2	1	1
SD300 p	ort (pcs)	0	0	0	0	0	0
SD50 conn	ector (pcs)	0	0	0	0	0	0
SD300 con	nector (pcs)	0	0	0	0	0	0
Port for SD50 remote	sprinter shifter (pcs)	0	0	1	1	0	0
Port for SD300 sat	tellite shifter (pcs)	0	0	0	0	0	0
Bati	tery	-	-	-	-	-	-
Average v	veight (g)	127 (/pair)	127 (/pair)	295 (/pair)	295 (/pair)	138 (/pair)	138 (/pair)
No	ote	-	-	-	-	-	-

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Shift/Brake Lever

Sei	ries	ULTEGRA	ULTEGRA	
Mode	el no.	ST-6870	ST-6871	
Shifte	r type	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER	
Remote	switch	-	-	
	Reach adjust	✓	1	
	Clamp band (mm)	23.8-24.2	INNER DIA. 19.0 - 22.5	
Brake lever	SLR-EV	✓	1	
	Material	Aluminum	Aluminum	
	Finish	Painted	Anodized	
Bracket	Material	GFRP	CFRP	
вгаскет	Finish	-	-	
Electric button	Material	GFRP	GFRP	
Electric button	Finish	-	-	
Maste	er unit	-	-	
Firmware update b	y E-TUBE PROJECT	1	1	
Di2 connectivity wired	Di2 shifting	1	1	
Di2 connectivity wireless	Di2 shifting	-	-	
SD50 po	ort (pcs)	2 /each, total 4	0	
SD300 p	ort (pcs)	0	0	
SD50 conn	ector (pcs)	0	1 /each, total 2	
SD300 coni	nector (pcs)	0	0	
Port for SD50 remote	sprinter shifter (pcs)	1 /each, total 2	0	
Port for SD300 sa	tellite shifter (pcs)	0	0	
Bat	tery	-	-	
Average v	weight (g)	303.2 (/pair)	148 (/pair)	
No	ote	-	-	

Shift Switch

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	DURA-ACE	SHIMANO
Model no.	SW-RS801-E	SW-RS801-S	SW-RS801-T	SW-R9150	SW-R9160	SW-R671
Switch type	Extra long cable, for Remote extension bar switch	Short cable for remote sprinter switch	Long cable for top bar switch	Option SW (pair)	Bar-end SW for TT (pair)	Remote Triathlon shifter Current 2 button design, pair
Position	Extension bar	On road Bar	Top handle	On road Bar	DH Bar	DH Bar
Compatible electric wire	-	-	-	EW-SD50	EW-SD50	EW-SD50
Master unit	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-	1	✓	✓
SD50 port (pcs)	0	0	0	0	2	0
SD300 port (pcs)	0	0	0	0	0	0
SD50 connector (pcs)	0	0	0	2	0	2
SD300 connector (pcs)	0	0	0	0	0	0
Connector for SD50 remote sprinter shifter (pcs)	0	0	0	0	0	0
Connector for SD300 satellite shifter (pcs)	1/each, total 2	1/each, total 2	1/each, total 2	0	0	0
Port for SD50 remote sprinter shifter (pcs)	0	0	0	0	0	0
Port for SD300 satellite shifter (pcs)	0	0	0	0	0	0
Wireless shifting	-	-	-	-	-	-
Average weight (g)	16.5 (/pair)	6.4 (/pair)	11.8 (/pair)	12 (/pair)	40 (/pair)	100 (/pair)
Note	2 pcs switch in a spec model	2 pcs switch in a spec model	2 pcs switch in a spec model			

Series	SHIMANO	SHIMANO
Model no.	SW-R610	SW-R600
Switch type	Remote sprinter shifter (pair)	Remote satellite shifter (climbing shifter)
Position	Anywhere	Anywhere
Compatible electric wire	-	EW-SD50
Master unit	-	-
Firmware update by E-TUBE PROJECT	-	1
SD50 port (pcs)	0	0
SD300 port (pcs)	0	0
SD50 connector (pcs)	0	1
SD300 connector (pcs)	0	0
Connector for SD50 remote sprinter shifter (pcs)	2	0
Connector for SD300 satellite shifter (pcs)	0	0
Port for SD50 remote sprinter shifter (pcs)	0	0
Port for SD300 satellite shifter (pcs)	0	0
Wireless shifting	-	-
Average weight (g)	5.8 (/pair)	19 (/pc)
Note		

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Rear Derailleur

RD construction 5	no. 1 2 eeds SHIMANO RI SHIMANO	SHADOW	DURA-ACE RD-R9250 Series color	ULTEGRA RD-R8150 Series color	RD-R7150 Series color	DURA-ACE RD-R9150 Series color	RD-R8050-SS Series color	RD-R8050-GS						
Color Rear spe	eeds SHIMANO SHIMANO SHIMANO	SHADOW	Series color											
Rear spe	SHIMANO RD	SHADOW	-					Series color						
RD construction 5	SHIMANO RD	SHADOW		12	- 12	11	- 11	- 11						
	R C	V	1	1	1	1	1	1						
	KL Davids	SHADOW	-	-	-	_	-	-						
	Double		-	-	-	-	-	-						
S	SHIMAN O MTB	ent (convent	-	-	-	-	-	-						
Applicable	type	ional) Direct mount	-	-	-	-	-	-						
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	✓	✓	✓	✓	•	✓						
<u> </u>	UDH sta	Direct mount	1	1	1	1	1	1						
Max. front di Total cap	lifference	anuaru	16T 37T	16T 39T	16T 41T	16T 33T	16T 33T	16T 37T						
Low sprocket	oacity Ma	ax.	3/1 34T 30T	391 34T 30T	36T 34T	331 30T 25T	331 30T 25T	371 34T						
 	Mi Ma	in.	30T 11T	30T 11T	34T 11T	25T 14T	25T 14T	34T 28T 12T						
Top sprocket	Mi	in.	11T	11T 11T	11T	111	11T	11T						
Fluoric coated lin	Guide	pulley	4	4	<u>4</u> -	4	4	<u>4</u> ✓						
l –	<u>bear</u> Tension	rına I	-	-	_	-	-	1						
Pulley	bear Tee	ring	√ 11T	√ 11T	- 11T	√ 11T	√ 11T	√ 11T						
l Ę	Screws r	material l	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel						
<u> </u>	Sunken ty	ew	√	√	√ Stant	√	√	√						
Bracket	Mate Fin	eriai ish	Aluminum Anodized	Aluminum Painted	Steel Plated	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized						
B-axle	Hollov	v axle	√ Aluminum	√	Stainless steel	√	Stainless steel	√						
D-axie	Mate Fin	ish l	Anodized	Stainless steel Painted		Aluminum Anodized		Stainless steel						
B-axle 2	Hollov Mate	erial	√ Aluminum	√ Aluminum	✓ Stainless steel	√ Aluminum	√ Aluminum	√ Aluminum						
	Fin Mate	ish	Anodized Aluminum	Anodized Aluminum	- Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum						
Bracket body —	Fin	ish l	Painted	Painted Steel	Painted	Painted	Painted	Painted Steel						
P-axle —	Mate Fin	eriai ish	Aluminum Plated CFRP	Passivation GFRP	Steel Plated GFRP	Aluminum Plated	Steel Passivation GFRP	Passivation GFRP						
Plate body	Fin Mate Fin	erial ish	CFRP Painted	GFRP Painted	GFRP -	Plated CFRP Painted	GFRP Painted	GFRP Painted						
Outer link	Mate Fin	erial	Aluminum Anodized	Aluminum	Aluminum	Aluminum	Aluminum Painted	Aluminum Painted						
Inner link	Fin Mate	erial	CFRP	Painted GFRP	Painted Steel	Anodized CFRP	GFRP	GFRP						
	Fin Mate	ish	- Carbon	- Aluminum	Painted Aluminum	Painted Carbon	- Aluminum	- Aluminum						
Outer plate —	Fini	ish	Painted	Painted	Painted	Painted	Painted	Painted						
Inner plate	Mate Fin	ish	Carbon Painted	Aluminum Painted	Aluminum Painted	Carbon Painted	Aluminum Painted	Aluminum Painted						
Stroke adjusting	Mate Fin	erial ish	Aluminum Anodized	Steel Plated	Steel Plated	Aluminum Anodized	Steel Plated	Steel Plated						
Di2 connectivity wired	Di2 sh		1	1	1	1	1	1						
	Di2 sh		✓	1	1	-	-	-						
l L	Bluetoot h® LE	Cycling power	-	-	-	-	-	-						
	ANT+	Bicycle power	-	-	-	-	-	-						
		Adjust mode informat ion	✓	✓	✓	-	-	-						
		Di2 battery level	✓	✓	1	-	-	-						
	Bluetoot	Gear position SHIMAN O E-BIKE SYSTEM	√	√	1	-	-	-						
	h® LE custom (*1)	items (*3)	✓	1	✓	-	-	-						
Di2 connectivity wireless		ble with E-TUBE RIDE	✓	✓	✓	-	-	-						
		Compati ble with E-TUBE PROJECT	✓	1	✓	-	-	-						
		Adjust mode informat ion	✓	✓	1	-	-	-						
	ANT private (*2)	ANT private	ANT private (*2)	ANT private (*2)	ANT private (*2)	Di2 battery level	✓	✓	✓	-	-	-		
]						private (*2)	private (*2)	private (*2\	private	private	private i	Gear I	1	1
		position SHIMAN O E-BIKE SYSTEM S data	√	√	1	-	-	-						
		items (*3)												
Firmware update by SD50 port	E-TUBE PI	ROJECT	√	7	V	V	1	/						
SD300 por	SD50 port (pcs) SD300 port (pcs) SD50 connector (pcs)		1	1	1	0	0	Ö						
SD300 connec	ector (pcs)		0	0	0	0	0	0						
LED for syste Charging	<u>em status</u>		1	1	1	-	-	-						
Charging	cable		EW-EC300 215	EW-EC300	EW-EC300 302	-	-	-						
Note *1 Compatible w cycle computer and sma not freely open profil with ANT + cycle compu open profile. *3 Will be connected to SHIMANC bike.	eignt (g) vith a Blue artphone/ ile. *2 Com outer but n e shown o IO E-BIKE S	tooth LE tablet but npatible not freely only when SYSTEMS	w/o Bracket spec. available	w/o Bracket spec. available	w/o Bracket spec. available	197 w/o Bracket spec. available	* w/o Bracket spec. available	* w/o Bracket spec. available						

Rear Derailleur

Se						
	ries		ULTEGRA	ULTEGRA	ULTEGRA RX	
Model no.			RD-6870-SS	RD-6870-GS	RD-RX805-GS	
Color		1	Series color	Series color	Series color	
	needs	2	- 11	- 11	11	
near:	peeds SHIMANO	SHADOW	- 11	-	-	
RD construction	SHIMANO	SHADOW		-		
ND CONSTRUCTION			-	-	1	
	Double servo Direct		─	1	-	
	1	i attachm i				
	SHIMAN O MTB	ent (convent	-	-	-	
	type	(convent ional)				
Annlicable		Direct mount	-	-	-	
Applicable derailleur hanger		Direct attachm				
	SHIMAN O ROAD	l ent l	✓	✓	✓	
	type	(convent ional)				
	3,50	Direct mount	-	-	1	
	UDH st	andard	-	-	-	
Max. fron	difference apacity		16T	16T 37T	16T 39T	
		ax.	33T 28T	37T 32T	34T 28T	
Low sprocket	l M	in.	28T 23T	32T 28T	28T	
Top sprocket	I M	ax. in.	14T 11T	12T 11T	11T 11T	
Fluoric coated	l link bushir	nas	4	4	4	
	ı bea	pulley ring	✓	✓	✓	
	Tensior	n púlley	1	1	1	
Pulley	bea	ring eth	11T	11T	11T	
	Screws	material	Stainless steel	Stainless steel	Stainless steel	
	Sunken ty scr	pe pulley	✓	1	✓	
Bracket	Mat	erial	Aluminum	Aluminum	Aluminum	
2.denet	Hollo	ish w axle	√	-	Anodized	
B-axle	Mat	erial	Stainless steel	Stainless steel	Stainless steel	
	l Fin	ish w axle	Passivation	Passivation	.,	
B-axle 2	Mat	w axie erial		-	Aluminum	
	l Fin	ish	Aluminu	Aluminum	Anodized	
Bracket body	Fin	erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted	
P-axle	Mat	erial	Aluminum	Aluminum	Steel	
	Mat	iish erial	Plated CFRP	Plated CFRP	Aluminum	
Plate body	l Fin	ish	Painted	Painted	Painted	
Outer link	Mat Fin	erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted	
Inner link	Mat	erial	Steel	Steel	GFRP	
	Fin Mat	ish	Painted Aluminum	Painted Aluminum	- Aluminum	
Outer plate	Fin	ish	Painted	Painted	Painted	
Inner plate	Mat Fin	erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted	
Stroke adjusting	Mat	erial	Stainless steel	Stainless steel	Steel	
screw Di2 connectivity		ish	Black coated	Black coated	Plated	
wired	Di2 sh		· · · · · · · · · · · · · · · · · · ·	1	1	
	Di2 sh Bluetoot	Cyclina	-	-	-	
	N® LE	Cycling	-	-	-	
	ANT+	Bicycle power	-	-	-	
		Adjust mode				
	1					
		informat	-	-	-	
		informat ion	-	-	-	
		informat ion Di2 battery	-	-	-	
		informat ion Di2 battery level Gear	-	-	-	
		informat ion Di2 battery level Gear		-	-	
	Bluetoot h® LE	informat ion Di2 battery level Gear position SHIMAN	-	-	-	
	h® LE custom	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM S data	-	- - -	-	
	l h® LE	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM S data items	· ·	-	-	
Di2 connectivity	h® LE custom	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-	
Di2 connectivity wireless	h® LE custom	informat jon Di2 battery level Gear position 5HIMAN O E-BIKE SYSTEM S, data items (*3) Compati ble with	- - - -	-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3) Compatible with E-TUBE RIDE	-	-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3) Compatible with E-TUBE RIDE	· · · · · · · · · · · · · · · · · · ·	-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM S data i(*3) Compati ble with E-TUBE E-TUBE E-TUBE		-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position S HIMAN O E-BIKE S STSTEM S data items (*3) Compati ble with E-TUBE RIDE COMPATI BETUBE PROJECT Adiust	- - - -	-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position O E-BIKE SYSTEM SYSTEM SYSTEM SYSTEM SYSTEM SYSTEM E-TUBE RIDE Compati ble with E-TUBE PROJECT Adjust mode informat	·	-	-	
Di2 connectivity wireless	h® LE custom	informat ion Di2 battery level Gear position StHIMAN OE-BIKEN StABBE COMPATITE LEVEL COMPATITE	- - - - -	-	- - - -	
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear position StHIMARE STSHIMA StAGRA STA	- - - - - -	-	-	
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear Bosition SHIMAN O E-BIKE SYSTEM S, data items Compatible E-TUBE RIDE COmpatible FTUBE RIDE TOMPATIBLE TOMPA		- - - - -		
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear Bosition SHIMAN O E-BIKE SYSTEM S, data items Compatible E-TUBE RIDE COmpatible FTUBE RIDE TOMPATIBLE TOMPA	- - - - - - -	- - - - - -	- - - - - -	
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear Bosition SHIMAN O E-BIKE SYSTEM S, data items Compatible E-TUBE RIDE COmpatible FTUBE RIDE TOMPATIBLE TOMPA		- - - - - -		
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear position StHIMAN O E-BIKE SySTEM S, data items Compatible Fiture E-TUBE RIDE Compatible Fiture Fiture Di2 battery level Gear position Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM		- - - - - - -		
Di2 connectivity wireless	h® LE custom (*1)	informat ion Di2 battery level Gear position SHIMAN OF BIKE SHORE SHIMAN OF BIKE SHIMAN OF BIKE SHIMAN SHIM		-		
wireless	ANT private (*2)	informat ion Di2 battery level Gear position SHIMAN OE-BIKEN SHEM SHEM SHEM SHEM SHEM SHEM SHEM SHEM				
Firmware update	ANT private (*2)	informat ion Di2 battery level Gear position SHIMAN OE-BIKEN SHEM SHEM SHEM SHEM SHEM SHEM SHEM SHEM	- - - - - -	-		
Firmware update	ANT private (*2)	informat ion Di2 battery level Gear position SHIMAN OE-BIKEN SHEM SHEM SHEM SHEM SHEM SHEM SHEM SHEM				
Firmware update SD50 p SD300 c SD500 con	ANT private (*2) ANT private (*2) ovr E-TUBE P ort (pcs) nector (pcs)	informat ion Di2 battery level Gear position SHIMAN OE-BIKEN SHEM SHEM SHEM SHEM SHEM SHEM SHEM SHEM		- - 1 0 0		
Firmware update SD50 p SD300 c SD300 con SD300 con LED for sy	ANT private (*2) ovr E-TUBE P ort (pcs) pector (pcs) nector (pcs) stem status	informat ion Di2 battery level Gear position SHIMAN OE-BIKEN SHEM SHEM SHEM SHEM SHEM SHEM SHEM SHEM		- J 1 0 0		
Firmware update SD50 p SD500 conr SD300 con SD300 con LED for sy Chargi	ANT private (*2) Out E-TUBE P ort (pcs) pector (pcs) pector (pcs) stem states ing port ing cable	informat ion Di2 battery level Gear positiANA S-dail SHIMAN S-dail S-dai		- 1 1 0 0 0 0 0 		
Firmware update SD50 p SD500 con SD500 con SD500 con Chargi Chargi Average	ANT private (*2) OV E-TUBE P ort (pcs) pector (pcs) stem status ing port ing cable weight (g) with a Blue weight (g) with a Blue weight (g).	informat ion Di2 Dattery level Gear position SHIMAN OF BIKE TOBE Compatin be TIDE Compatin BIKE STORMAN OF BIKE STOR		- 1 1 0 0 0 0		
Firmware update SD50 p SD500 con SD500 con SD500 con Chargi Chargi Average	ANT private (*2) OV E-TUBE P ort (pcs) pector (pcs) stem status ing port ing cable weight (g) with a Blue weight (g) with a Blue weight (g).	informat ion Di2 Dattery level Gear position SHIMAN OF BIKE TOBE Compatin be TIDE Compatin BIKE STORMAN OF BIKE STOR		- 1 1 0 0 0 0 0 		
Firmware update SD50 p SD500 con SD500 con SD500 con Chargi Chargi Average	ANT private (*2) OV E-TUBE P ort (pcs) pector (pcs) stem status ing port ing cable weight (g) with a Blue weight (g) with a Blue weight (g).	informat ion Di2 Dattery level Gear position SHIMAN OF BIKE TOBE Compatin be TIDE Compatin BIKE STORMAN OF BIKE STOR		- 1 1 0 0 0 0 0 		
Firmware update SD50 p SD500 con SD500 con SD500 con Chargi Chargi Average	ANT private (*2) OV E-TUBE P ort (pcs) pector (pcs) stem status ing port ing cable weight (g) with a Blue weight (g) with a Blue weight (g).	informat ion Di2 Dattery level Gear position SHIMAN OF BIKE TOBE Compatin be TIDE Compatin BIKE STORMAN OF BIKE STOR		- 1 1 0 0 0 0 0 		
Firmware update SD50 p SD500 conr SD300 con SD300 con LED for sy Chargi	ANT private (*2) OV E-TUBE P ort (pcs) pector (pcs) stem status ing port ing cable weight (g) with a Blue weight (g) with a Blue weight (g).	informat ion Di2 Dattery level Gear position SHIMAN OF BIKE TOBE Compatin be TIDE Compatin BIKE STORMAN OF BIKE STOR		- 1 1 0 0 0 0 0 		

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Front Derailleur

Series		DURA-ACE	ULTEGRA	SHIMANO 105	DURA-ACE	ULTEGRA	ULTEGRA
Mode	el no.	FD-R9250	FD-R8150	FD-R7150	FD-R9150	FD-R8050	FD-6870-F
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Front	speeds	2	2	2	2	2	2
Rear s	peeds	12	12	12	11	11	11
Compatible chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-	-	-	-	-
Action	Down swing	✓	✓	1	1	✓	1
	Clamp band1	=	-	-	-	-	-
	Clamp band2	-	-	-	-	-	-
Mount	Clamp band3	-	-	-	-	-	-
	Brazed-on	1	1	1	1	1	1
Chain li	ne (mm)	44.5	44.5	44.5	43.5	43.5	43.5
Chainstay a	ngle (deg.)	61-66	61-66	61-66	61-66	61-66	61-66
Top gea	ar teeth	46-54T	46-52T	50-52T	50T-55T	46T-53T	46T-53T
Total ca	apacity	16T	16T	16T	16T	16T, 17T *	16T
Link bu	ıshings	4	4	2	4	2	4
Formet alaman based	Material	-	-	-	-	-	-
Front clamp band	Finish	-	-	-	-	-	-
Rear clamp band, base bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket	Finish	Painted	Painted	Painted	Anodized	Painted	Painted
Out on Park	Material	Aluminum	Aluminum	GFRP	CFRP	CFRP	CFRP
Outer link	Finish	Anodized	Painted	-	Painted	Painted	Painted
Inner link	Material	Steel	Steel	Steel	Titanium	Steel	Steel
inner link	Finish	Plated	Painted	Plated	-	Plated	Plated
Chain muide	Material	Aluminum	Steel	Steel	Aluminum	Steel	Steel
Chain guide	Finish	Plated	Plated	Chrome plated	Nickel plated	Chrome plated	Chrome plated
Maste	er unit	-	-	-	-	-	-
Firmware update k	y E-TUBE PROJECT	✓	1	1	1	1	1
SD50 po	SD50 port (pcs)		0	0	1	1	1
SD300 p	ort (pcs)	1	1	1	0	0	0
SD50 conn	ector (pcs)	0	0	0	0	0	0
SD300 con	nector (pcs)	0	0	0	0	0	0
Average weight (g) direct type	(band type: L size, w/screw)	96	110	142	104	132	138.5
No	ote					* Use with E-BIKE	

Front Derailleur (Adapter)

Sei	ries	DURA-ACE	DURA-ACE	
Mode	el no.	SM-AD91-L	SM-AD91-MS	
Format alaman based	Material	Aluminum	Aluminum	
Front clamp band	Finish	Painted	Anodized	
Rear clamp band	Material	Aluminum	Aluminum	
Rear Claimp band	Finish	Painted	Anodized	
	28.6	-	√ *	
Clamp band diameter (mm)	31.8	-	1	
	34.9	1	-	
No	ote		* w/ Multi Clamp Band	

LIFESTYLE Active

	Page	
Shifter	176	SL
Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)	187	BL
Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)	188	BL
Brake Lever (Drop Handlebar type)	189	BL
Shift/Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)	190	ST
Shift/Brake Lever (Flat Handlebar type)	192	ST
Shift/Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)	195	ST
Shift/Brake Lever (Drop Handlebar type)	196	ST
Rear Derailleur	197	RD
Front Derailleur	202	FD
Brake (Hydraulic Disc Brake)	210	BR
Brake (Mechanical Disc Brake)	211	BL
Crankset	212	FC
Bottom Bracket (HOLLOWTECH II)	216	ВВ
Bottom Bracket	217	ВВ
Cassette	219	CS
Multiple Freewheel	223	MF
Front Hub (Disc Brake)	224	НВ
Front Hub (Rim Brake)	226	НВ
FREEHUB (Disc Brake)	227	FH
FREEHUB (Rim Brake)	230	FH
Shift Switch	232	sw
Rear Derailleur	233	RD

<Di2 spec.>

Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES	
Model no.		SL-U8000-11R	SL-U8000-11IR	SL-U8000-L	SL-U8000-IL	SL-U6000-11R	SL-U6050-11R	
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifter	Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE
Front speeds		-	-	2	2	-	-	
Rear s	peeds		11	11	-	-	11	11
Compatible rear	Compatible rear derailleur type		LINKGLIDE system 11-speed	LINKGLIDE system 11-speed	-	-	LINKGLIDE system 11-speed	LINKGLIDE system 11-speed
	Clamp	band	*	-	1	-	✓	✓
	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	✓	-	1	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non I	I-SPEC EV)	-	✓	-	1	-	-
Shift lever c	able adjust	t	1	1	1	1	1	1
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	2	2	-	-	2	2
		RELEASE	-	-	-	-	-	-
		RELEASE	1	1	1	1	-	-
Release function	2-WAY RELEASE			· ·	1	· ·	1	_
	Adjustable lever		_		· ·	1	-	_
		ith	1		1	1	1	1
OPTICAL GEAR			-	-	-	-	-	V
OPTICAL GEAR DISPLAY	With (removable) Without							-
			✓	· ·	✓	✓	√	√
Multi-bearing			2	2	2	2	-	-
Shift lever bracket	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	painted	painted	painted	painted	painted	painted
Clamp screw	Mat		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Fin	ish	Black	Black	Black	Black	Black	Black
Main lever body	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP
_	Fin	ish	painted	painted	painted	painted	-	-
Release lever body	Mat	erial	Steel+GFRP	Steel+GFRP	-	-	Steel+Resin	Steel+Resin
,	Fin	ish	-	-	-	-	-	-
Base cover	Material		GFRP	GFRP	GFRP	GFRP	Resin	Resin
	Fin	ish	painted	painted	painted	painted	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lavor calls	Inner	OPTISLIC K	✓	√	1	✓	1	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	-	-
		Steel	-	-	-	-	1	1
Recommended shift	Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		120	112	-	-	-	-
No								Short reach
Note					l .	l .		



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Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES	
Model no.		SL-U6000-10R	SL-U6000-L	SL-U6050-10R	SL-U4000-9R	SL-U4010-9R	SL-U4050-9R	
1		Series color	Series color	Series color	Series color	Series color	Series color	
Color	2	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE
Front speeds		-	2	-	-	-	-	
Rear speeds			10	-	10	9	9	9
Compatible rear derailleur type		LINKGLIDE system 10-speed	-	LINKGLIDE system 10-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	
	Clamp	band	1	1	1	1	1	1
	I-SPI	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a			-	-	-	-	-	-
Shift lever o			1	1	1	1	1	1
Front 2/3 mo			-	-	-	-	-	-
Max. multiple shift			2	-	2	2	2	2
	MULTI R		-	-	_	_	_	_
	INSTANT		-	-	-	_	_	-
Release function	2-WAY RELEASE		1	1	_	-	1	-
	Adjustable lever		-	-	_	_	_	_
	Wi		1	√	1	1	1	1
OPTICAL GEAR DISPLAY			-	-	•	-	-	-
DISPLAY	With (removable) Without							
Baulei Ivanda			✓	✓	√	-	-	-
Multi-bearing			-	-	-	-	-	-
Shift lever bracket	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		painted	painted	painted	painted	painted	painted
Clamp screw	Mat		Stainless steel	Stainless steel	Stainless steel	steel	Steel	steel
	Fin	ish	Black	Black	Black	plated	plated	plated
Main lever body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
_	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	Finish		-	-	-	-	-	-
Base cover	Material		Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	√	1	1	1	1	1
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	1	1
Recommended shift lever outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		-	-	-	-	-	-	
					Short reach			Short reach
Note					Short reach			SHOLL LEGGL

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Ser	ies		CUES	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	ACERA	ACERA
Mode	el no.		SL-U4000-L	SL-M3100-R	SL-M3100-L	SL-M3100-2L	SL-M3000-R	SL-M3010-L
		l	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	peeds		2	-	3	2	-	2
Rear s	peeds		-	9	-	-	9	-
Compatible rear	derailleur	type	-	MTB 9-speed	-	-	MTB 9-speed	-
	Clamp	band	✓	1	1	1	1	1
	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a			-	-	-	-	-	-
Shift lever o	able adjust		1	1	1	1	1	1
Front 2/3 mo			-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	3	-	-	3	-
	MULTI F	ELEASE	-	-	-	-	-	-
Release function 2-V	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY F		-	-	-	1	-	-
	Adjustal		-	_	_	-	_	-
With		1	1	1	-	1	1	
OPTICAL GEAR DISPLAY		novable)		_	-	_	_	-
DISPLAY	With		_	_	_	1	_	-
Multi-bearing			-	-	-	-	<u>-</u>	-
Walti Dealing	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin		painted	Painted	Painted	Painted	Painted	Painted
	Mat		steel	Steel	Steel	Steel	Stainless steel	Stainless steel
Clamp screw	Fin		plated	Plated	Plated	Plated	-	-
	Mat		•					
Main lever body			Steel+GFRP -	Steel+Resin -	Steel+Resin -	Steel+Resin -	Steel+Resin -	Steel+Resin -
	Fin Mat		-	Steel+Resin		Steel+Resin	Steel+Resin	Steel+Resin
Release lever body			-	Jieei+Nesiii	-	Jieci+Nesiii	2(GGI+VG2III	Steet+Nesiti
		ish erial	Posin	Posin	Posin	Posin	Posin	Posin
Base cover			Resin	Resin -	Resin -	Resin -	Resin -	Resin -
	rin	ish Polymor	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable Inner cable	Inner	OPTISLIC K	✓	✓	✓	✓	-	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	√ *	-
	Steel	1	1	1	1	1	1	
Recommended shif	t lever oute	r casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
Note							* Option	



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Shifter

Ser	ies		ACERA	ALTUS	ALTUS	ALTUS	SHIMANO	SHIMANO
Mode	el no.		SL-M360-R	SL-M2010-9R	SL-M2010-L	SL-M2010-2L	SL-M315-8R	SL-M315-7R
		1	Series color					
Color		2	-	-	-	-	-	-
İ		3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		-	-	3	2	-	-
Rear s	peeds		8	9	-	-	8	7
Compatible rear	derailleur	type	MTB 8-speed	MTB 9-speed	-	-	MTB 8-speed	MTB 7-speed
	Clamp	band	1	1	1	1	1	1
	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	1	1	1	1	1	1
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	3	3	-	-	3	3
MULTI RELEASE		-	-	-	-	-	-	
Release function 2-W	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
With		1	1	1	1	1	✓	
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Chiffs I arrange and a second	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clares and the control of the contro	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	-	Plated	Plated	Plated	Plated	Plated
Main lover beds	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Main lever body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
nelease level body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	1	1	1	-	-
Snitt lever cable	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	1	1
		Steel	✓	1	1	✓	-	-
Recommended shift	lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
No	te							

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Seri	ies		SHIMANO	SHIMANO	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Mode			SL-M315-L	SL-M315-2L	SL-FT55-7R	SL-TX50-7R	SL-TX50-6R	SL-TX50-L
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
, †		3	-	-	-	-	-	-
Shifter	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	Thumb shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus
Front s			3	2	-	-	-	3
Rear sp	-		-	-	7	7	6	-
Compatible rear		type	-	-	MTB 7-speed	MTB 7-speed	MTB 6-speed	-
	Clamp	band	1	1	1	1	1	1
, †	I-SPI	EC B	-	-	-	-	-	-
Mount type	I-SPI	EC II	-	-	-	-	-	-
,	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation ac	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever ca	able adjust		√	1	-	-	-	1
Front 2/3 mod	de converte	er	-	-	-	-	-	-
Max. multiple shifts	s (main lev	er/rear)	-	-	6	6	5	-
MULTI RELEASE		-	-	-	-	-	-	
	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	With		1	1	1	1	1	1
OPTICAL GEAR DISPLAY	With (rer	novable)	-	-	-	-	-	-
, [With	nout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	Plated	Plated	-	-	-	-
Main lever body	Mat	erial	Steel+Resin	Steel+Resin	Resin	Resin	Resin	Resin
Walli level body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	Resin	Resin	Resin	Resin
neicuse level body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lover cable	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	1	-	-	-	-
		Steel	-	-	1	1	1	1
Recommended shift	lever oute	r casing	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average w	veight (g)		-	-	-	-	-	-
Not	te							



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Ser	ies		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Mode	el no.		SL-TX50-LN	SL-TX30-7R	SL-TX30-6R	SL-TX30-LN	SL-RS45-6R	SL-RS36-7R
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
	3		-	-	-	-	-	-
Shifte	r type		Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	REVOSHIFT	REVOSHIFT
Front s	peeds		3 (friction)	-	-	3 (friction)	-	-
Rear s	peeds		-	7	6	-	6	7
Compatible rear	derailleur	type	-	MTB 7-speed	MTB 6-speed	-	MTB 6-speed	MTB 7-speed
	Clamp	band	~	1	✓	•	1	1
	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	:	✓	-	-	✓	✓	-
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	6	5	-	5	6
	MULTI RELEA		-	-	-	-	-	-
Release function	INSTANT RELEASE		-	-	-	-	-	-
Release fullction	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	W	ith	~	1	✓	✓	1	1
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With	nout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Silit level blacket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp sciew	Fin	ish	-	-	-	-	-	-
Main lever body	Mat	erial	Resin	Resin	Resin	Resin	-	-
a icve. 202,	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Resin	Resin	Resin	Resin	-	-
,	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
Similare Capie	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	✓	1	1	✓	1	1
Recommended shift	t lever oute	er casing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v	veight (g)		-	-	-	-	-	-
No	te							w/ CI-DECK spec is available as option

Ser	ies		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	SHIMANO
Mode			SL-RS36-6R	SL-RS35-7R	SL-RS35-6R	SL-RS35-L	SL-RS35-LN	SL-RV400-8R
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		<u>. </u>	-	-	-	-	-	-
22.2.		 3	_	_	_	_	_	_
Shifte			REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front s			-	-	-	3	3 (friction)	-
Rear s	-		6	7	6	-	-	8
Compatible rear	•	type	MTB 6-speed	MTB 7-speed	MTB 6-speed	-	-	MTB 8-speed
		band	7			1	1	1
		EC B	-	_	_	-	-	_
Mount type	I-SP	EC II	-	_	-	_	-	_
	I-SPE	C EV	-	_	_	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non	I-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	-	-	-	1	1	-
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	5	6	5	-	-	7
MULTI RELEASE		-	-	-	-	-	-	
	INSTANT	RELEASE	-	-	-	-	-	-
Release function 2-	2-WAY I	RELEASE	-	-	-	-	-	-
	Adjusta	ble lever	-	-	-	-	-	-
With		ith	1	1	1	1	✓	1
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	Witl	hout	-	-	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Steel	Resin	Resin	Resin	Resin	Resin
Silit level blacket	Fin	nish	Painted	Resin	Resin	Resin	Resin	Resin
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp sciew	Fin	ish	-	-	-	-	-	-
Main lever body	Mat	erial	-	-	-	-	-	-
	Fin	nish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	-	-
	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Chiff lavan Li	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable ca	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	✓	1
Recommended shift	t lever oute	er casing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v	veight (g)		-	-	-	-	-	-
No	te		w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option			



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Shifter

Color Shifter typ Front spee Rear speet Compatible rear der Mount type Shift lever position	1 2 3 rpe eds eds erailleur type Clamp bai		SL-RV400-7R Series color REVOSHIFT - 7	SL-RV400-6R Series color REVOSHIFT -	SL-RV400-L Series color REVOSHIFT	SL-RV400-LN Series color	SL-RV300-7R Series color	SL-RV300-6R Series color
Shifter type Front spee Rear speed Compatible rear der Mount type	2 3 ppe eds eds rrailleur type Clamp bar		- - REVOSHIFT -	- REVOSHIFT	-	-	-	
Shifter type Front spee Rear speed Compatible rear der Mount type	3 rpe eds eds railleur type Clamp bai		- REVOSHIFT -	- REVOSHIFT	-			-
Front spee Rear speed Compatible rear der Mount type	pe eds eds erailleur type Clamp bai I-SPEC B		REVOSHIFT	REVOSHIFT		-		
Front spee Rear speed Compatible rear der Mount type	eds eds railleur type Clamp bai I-SPEC B		-		REVOSHIFT		-	-
Rear speed Compatible rear der Mount type	eds railleur type Clamp bai I-SPEC B			-		REVOSHIFT	REVOSHIFT	REVOSHIFT
Compatible rear der	crailleur type Clamp bar I-SPEC B		7		3	3 (friction)	-	-
Mount type	Clamp bar			6	-	-	7	6
	I-SPEC B		MTB 7-speed	MTB 6-speed	-	-	MTB 7-speed	MTB 6-speed
		ıd	✓	1	✓	1	1	✓
			-	-	-	-	-	-
Shift layor nocitie	I-SPEC II		-	-	-	-	-	-
Chift lavor nocitie	I-SPEC EV		-	-	-	-	-	-
Junt lever hositio	ion adjust		-	-	-	-	-	-
Shift lever rotation adjus	st (non I-SPE	C EV)	-	-	-	-	-	-
Shift lever cable	le adjust		-	-	1	-	-	-
Front 2/3 mode c	converter		-	-	-	-	-	-
Max. multiple shifts (m	main lever/re	ar)	6	5	-	-	6	5
Г	MULTI RELE	ASE	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-
Release function 2	2-WAY RELE	ASE	-	-	-	-	-	-
Α	Adjustable l	ever	-	-	-	-		
	With		✓	1	1	1	1	1
OPTICAL GEAR W	With (remov	able)	-	-	-	-	-	-
	Without		-	-	-	-	-	-
Multi-bearing con	nstruction		-	-	-	-	-	-
Chiff I has about	Materia		Resin	Resin	Resin	Resin	Resin	Resin
Shift lever bracket	Finish		Resin	Resin	Resin	Resin	Resin	Resin
Claren arrays	Materia		Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Finish		-	-	-	-	-	-
Main lever body	Materia		-	-	-	-	-	-
Main lever body	Finish		-	-	-	-	-	-
Release lever body	Materia		-	-	-	-	-	-
nelease level body	Finish		-	-	-	-	-	-
Base cover	Materia		Resin	Resin	Resin	Resin	Resin	Resin
base cover	Finish		-	-	-	-	-	-
	Pol	ymer- ated able	-	-	-	-	-	-
Shift lever cable	OP Inner cable	rislic K	-	-	-	-	-	-
Silit level Capie C	cable	-TEC	-	-	-	-	-	-
	Sta	inless	-	-	-	-	-	-
	S	teel	✓	1	1	1	1	1
Recommended shift lev	ver outer ca	ing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average weig	ght (g)		-	-	-	-	-	-
Note								

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Ser	ies		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.		SL-RV300-L	SL-RV300-LN	SL-RV200-7R	SL-RV200-6R	SL-RV200-L	SL-RV200-LN
		I	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	_	-	-	-	-	-
İ	3	3	-	-	-	-	-	_
Shifter	r type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front s			3	3 (friction)	-	-	3	3 (friction)
Rear s	peeds		-	-	7	6	-	-
Compatible rear	derailleur	type	-	-	MTB 7-speed	MTB 6-speed	-	-
	Clamp	band	1	1	1	1	1	1
l	I-SPI	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	:	-	-	-	-	1	-
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	-	6	5	-	-
MULTI RELEASE		RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever			-	-	-	-
	Wi	ith	✓	✓	1	1	✓	-
OPTICAL GEAR DISPLAY	With (rer	movable)	-	-	-	-	-	-
	With	nout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Similar level Bracket	Fin	ish	Resin	Resin	Resin	Resin	Resin	Resin
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Ciump seress	Fin	ish	-	-	-	-	-	-
Main lever body	Mat	erial	-	-	-	-	-	-
	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	-	-
	Fin	ish	-	-	-	-	-	-
Base cover		erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Chiff Inc.	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	1	1
Recommended shift	lever oute	r casing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v	veight (g)		-	-	-	-	-	-
No	te							



Ser	ies		TOURNEY TZ	TOURNEY TZ	TOURNEY TZ	SHIMANO A050	SHIMANO A050	SHIMANO
Mode	el no.		SL-TZ500-7R	SL-TZ500-6R	SL-TZ500-LN	SL-A050-7R	SL-A050-LN	SL-SY20A-7
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifte	r type		Thumb Shifter	Thumb Shifter	Thumb Shifter	Handle bar mount shifter	Handle bar mount shifter	Down tube mount shifter
Front s	peeds		-	-	3 (friction)	-	2 (friction)	2 (friction)
Rear s	peeds		7	6	-	7	-	7
Compatible rear	derailleur	type	MTB 7-speed	MTB 6-speed	-	ROAD 7-speed	-	ROAD 7-speed
	Clamp	band	✓	1	1	1	1	-
	I-SP	ЕС В	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-			
Shift lever o	able adjust	:	-	-	-	-	-	-
Front 2/3 mo	de converte	er	-	-	-			
Max. multiple shift	s (main lev	er/rear)	6	5	-	-	-	-
	MULTI RELEASE		-	-	-	-	-	-
Balana farastan	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	With		√ *	√ *	√ *	-	-	-
OPTICAL GEAR DISPLAY	With (re	novable)	-	-	-	-	-	-
	With	nout	-	-	-	1	1	1
Multi-bearing	construction	on	-	-	-	-	-	-
erieri i i	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Zinc plated	Zinc plated	Zinc plated
	Mat	erial	Steel	Steel	Steel	-	-	-
Clamp screw	Fin	ish	Zinc plated	Zinc plated	Zinc plated	-	-	-
	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Main lever body	Fin	ish	-	-	-	-	-	-
Balanca lassas karda	Mat	erial	-	-	-	Resin	Resin	Resin
Release lever body	Fin	ish	-	-	-	-	-	-
D	Mat	erial	Resin	Resin	Resin	-	-	-
Base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
Jillit lever caple	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	1	1
Recommended shift	t lever oute	r casing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v	veight (g)		-	-	-	-	-	-
No	te		* Gear Position Indicator	* Gear Position Indicator	* Gear Position Indicator			Stem and brazed on, band types are available

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Sei	ries		SHIMANO
	el no.		SL-SY20A-6
		1	Series color
Color		2	-
	:	3	-
Shifte	r type		Down tube mount shifter
Front	speeds		2 (friction)
Rear s	peeds		6
Compatible rea	ROAD 6-speed		
	Clamp	band	-
	I-SPEC B		-
Mount type	I-SP	EC II	-
	I-SPEC EV		-
Shift lever po	osition adju	st	-
Shift lever rotation a	djust (non	I-SPEC EV)	
Shift lever	cable adjust	t	-
Front 2/3 mo	de convert	er	
Max. multiple shift	ts (main lev	er/rear)	-
	MULTI F	RELEASE	-
Release function	INSTANT	RELEASE	-
	2-WAY I	RELEASE	-
	Adjusta	ble lever	-
	w	ith	-
OPTICAL GEAR DISPLAY	With (re	movable)	-
	Witl	hout	1
Multi-bearing	constructi	on	-
Chiffs I han about	Mat	erial	Steel
Shift lever bracket	Fin	ish	Zinc plated
	Mat	erial	-
Clamp screw	Fin	ish	-
	Mat	erial	Resin
Main lever body	Fin	ish	-
Balance I	Mat	erial	Resin
Release lever body	Fin	ish	-
P	Mat	erial	-
Base cover	Fin	ish	-
		Polymer- coated cable	-
	lere e	OPTISLIC	-
Shift lever cable	Inner cable	SIL-TEC	-
		Stainless	-
		Steel	1
Recommended shif	OT-SIS40		
Average v	-		
No	ote		Stem and brazed on, band types are available



Brake Lever (Hydraulic disc brake, Flat Handlebar type)

Ser	ries	CUES	SHIMANO	
Mode	el no.	BL-U8000	BL-UR405	
Brake	type	Hydraulic disc brake	Hydraulic disc brake	
Lever size	e (finger)	3	3	
	1	Series color	Black	
Color	2	-	-	
	3	-	-	
Brake h	ose (kit)	SM-BH90	SM-BH59-JK-SS	
Hose	joint	Straight	Straight	
Brake hose color	1	Black	Black	
Brake hose color (kit)	2	-	-	
J-Kit spec	(for OEM)	1	1	
SERVO	WAVE	-	-	
	Toolless	1	-	
Reach adjust	Tool	-	1	
Free stro	ke adjust	-	-	
	Clamp band	1	1	
Compatible shifter mount	I-SPEC B	-	-	
	I-SPEC II	1	-	
Clamp band	Open clamp	1	-	
Recommended	l brake caliper	BR-U8000, BR-U8020	BR-MT410	
O	il	SHIMANO mineral	SHIMANO mineral	
Funnel b	oleeding	1	1	
Cl	Material	Stainless steel	Steel	
Clamp screw	Finish	Painted	Plated	
Brake lever	Material	Aluminum	Steel	
втаке lever	Finish	Anodized	Painted	
Mostor culinder	Material	Aluminum	Aluminum	
Master cylinder	Finish	Painted	Painted	
Average v	veight (g)	110	-	
No	ote		SHORT REACH	

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Brake Lever (Hydraulic disc brake, Drop Handlebar type)

Ser	ries	CUES
Mode	el no.	BL-U6030-L
Brake	type	Hydraulic disc brake
Lever size	e (finger)	-
Color	1	Series color
Color	2	-
Busshat saven salan	1	Standard
Bracket cover color	2	-
Brake h	ose (kit)	SM-BH59-JK-SSR
Hose	Straight	
Brake hose color (kit)	1	Black
(kit)	2	-
SERVO	WAVE	-
Donali adlasat	Toolless	-
Reach adjust	Tool	1
Free stro	ke adjust	-
	I-SPEC	-
Clamp band	Open clamp	-
	Diameter (mm)	23.8-24.2
Recommended	d brake caliper	BR-U6030, BR-RS405
O	il	SHIMANO Mineral
Funnel b	oleeding	1
Clamp band	Material	Steel
Bracket	Material	Engineering composite
	Finish	-
Brake lever	Material	Aluminum
Diake lever	Finish	Painted
Master cylinder	Material	-
iviaster cyllider	Finish	-
Average v	veight (g)	-
No	ote	



Brake Lever (Drop Handlebar type)

Ser	ies	CUES	SHIMANO ESSA
Mode		BL-U3030-L	BL-U2030-L
Wiode	1	Series color	Series color
Color			
Color	2	-	-
	3	-	-
	V-BRAKE	-	-
	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	✓	✓
Compatible brake type	Caliper (NEW SUPER SLR)	✓	1
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	-	-
Recommended	V-BRAKE	-	-
Recommended POWER MODULATOR	Mechanical disc brake (MTB)	-	-
	Open clamp band	-	-
Clamp band	I-SPEC	-	-
	Diameter (mm)	23.8-24.2	23.8-24.2
Internal bu	ımper stop	-	-
Lever size	e (finger)	-	-
Brake ca	ble type	-	-
Power a	adjuster	✓	✓
SERVO	WAVE	-	-
Reach	adjust	✓	1
Cable	adjust	-	-
Cable ad	just type	-	-
	Material	Aluminum	Aluminum
Brake lever	Finish	Painted	Painted
	Material	GFRP	GFRP
Brake bracket	Finish	-	-
Stainless cl	amp screw	-	-
Average v	veight (g)	-	-

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Shift/Brake Lever (Hydraulic disc brake, Flat Handlebar type)

Serie	es		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model	odel no.		ST-EF515-8R	ST-EF515-7R	ST-EF515-2L	ST-EF515-L	ST-EF505-9R	ST-EF505-8R
Color	1	ı	Black	Black	Black	Black	Black	Black
Coloi	2	2	-	-	-	-	-	-
Shifter	type		EZ FIRE PLUS					
	Front s	peeds	-	-	2	3	-	-
-	Rears		8	7	-	-	9	8
-	2/3 mode converter		-	-	-	-	-	-
	Max. mult (main lev		3	3	-	-	3	3
	Compati deraille	ible rear ur type	MTB 8-speed	MTB 7-speed	-	-	MTB 9-speed	MTB 8-speed
	I-SPEC co	•	-	-	-	-	-	-
	Shift leve adj	r position ust	-	-	-	-	-	-
Shift lever		MULTI RELEASE	-	-	-	-	-	-
Siniciever	Release function	INSTANT RELEASE	-	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-	-
Γ	Shift lev adj	er cable ust	✓	1	1	1	1	1
Γ		With	✓	1	1	1	1	1
	OPTICAL GEAR DISPLAY	With (remova ble)	-	-	-	-	-	-
	DISI EAT	Without	-	-	-	-	-	-
f	Multi-b constr		-	-	-	-	-	-
	Outer	Lever	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
-	casing	side	01-31-41	01-31-41	01-31-41	01-31-41	01-31-41	01-3141
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	✓	1	1	1	1	✓
		SIL-TEC Stainless	<u>-</u>	<u>-</u>	-	-	-	-
	ŀ	Steel	1	1	1	1	1	1
	Lever size		3	3	3	3	3	3
-	Brake hose (kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
	Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
	Brake	1	Black	Black	Black	Black	Black	Black
	hose color (kit)	2	-	-	-	-	-	-
	J-Kit spec	(for OEM)	1	1	1	1	1	1
ľ	Recomn brake	nended	BR-MT200	BR-MT200	BR-MT200	BR-MT200	BR-MT200	BR-MT200
Brake lever	О		SHIMANO Mineral					
<u> </u>		Toolless	-	-	-	-	-	-
	Reach adjust	Tool	1	1	1	1	1	1
	Funnel b	oleeding	1	1	1	1	1	1
	Free strol	ke adjust	-	-	-	-	-	-
	SERVO		-	-	-	-	-	-
Ļ	Mate		Steel	Steel	Steel	Steel	Aluminum	Aluminum
Clamp I	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Open clamp Main Release		- Steel & Resin	- Steel & Resin	- Steel & Resin	- Steel & Resin	- Steel & Resin	- Steel & Resin
Shifter lever body			Steel & Resin					
	Mate		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Master cylinder	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Procket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket	Bracket	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Diacket	Clamp screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Zinc plated					
	Stainless clamp screw		-	-	-	-	-	-
Average w			-	-	-	-	-	-
Not	te							



Shift/Brake Lever (Hydraulic disc brake, Flat Handlebar type)

Se	ries		SHIMANO	SHIMANO	SHIMANO
Mod	el no.		ST-EF505-7R	ST-EF505-2L	ST-EF505-L
C-1		1	Black	Black	Black
Color		2	-	-	-
Shifte	r type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front speeds		-	2	3
	Rear speeds		7	-	-
	2/3 mode	converter	-	-	-
	Max. mult (main le	tiple shifts ver/rear)	3	-	-
	Compat deraille	ible rear eur type	MTB 7-speed	-	-
	I-SPEC co	mpatible	-	-	-
	Shift leve	r position ust	-	-	-
		MULTI RELEASE	-	-	-
Shift lever	Release function	INSTANT RELEASE	-	-	-
		2-WAY RELEASE	-	-	-
	Shift le	er cable	1	1	1
	adj	ust With	1	1	· /
	OPTIÇAL	With		•	
	OPTICAL GEAR DISPLAY	(remova ble)	-	-	-
	B.O Let 1	Without	-	-	-
	Multi-bearing construction		-	-	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41
	Inner cable	Polymer- coated cable	-	-	-
Shift lever cable		OPTISLIC K	1	1	1
		SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	/	/	/
	Lever size (finger)		3	3	3
	Brake hose (kit) Hose joint		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
	Brake	1	Straight Black	Straight Black	Straight Black
	hose color (kit)		Didek	Didek	Didek
		2	-	-	-
		(for OEM)	/	1	1
	Recomi brake	nended caliper	BR-MT200	BR-MT200	BR-MT200
Brake lever	С	il	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach adjust	Toolless	-	-	-
	adjust	Tool	1	1	1
		oleeding	1	1	1
		ke adjust	-	-	-
		WAVE	-	-	-
		erial	Aluminum	Aluminum	Aluminum
Clamp band		ish clamp	Painted -	Painted -	Painted -
-		ain	Steel & Resin	Steel & Resin	Steel & Resin
Shifter lever body		ease	Steel & Resin	Steel & Resin	Steel & Resin
	-	erial	Aluminum	Aluminum	Aluminum
Master cylinder		ish	Painted	Painted	Painted
		Material	Aluminum	Aluminum	Aluminum
Book 1	Bracket	Finish	Painted	Painted	Painted
Bracket	Clamp	Material	Steel	Steel	Steel
	Clamp screw	Finish	Zinc plated	Zinc plated	Zinc plated
Stainless c	Stainless clamp screw			-	-
Average	weight (g)		-	-	-
Ne	ote				

BL

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HB

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CVA/

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Shift/Brake Lever (Flat Handlebar type)

Mode Color Shifte	1		ST-M310-8R2	ST-M310-L2	CT EFF00 0D3 4	CT FFF00 OD44	CT T1/000 0D	
				31-W3 W-L2	ST-EF500-8R2A	ST-EF500-8R4A	ST-TX800-8R	ST-TX800-L
		Color 1		Black	Black	Black	Black	Black
Shirte		2	Silver	Silver		- F7 FIDE DI LIC	Silver	Silver
		speeds	RAPIDFIRE PLUS	RAPIDFIRE PLUS 3	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS 3
	Rear speeds		8	-	8	8	8	-
	Compat	ible rear eur type	MTB 8-speed	-	MTB 8-speed	MTB 8-speed	MTB 8-speed	-
	Shift leve	r position ust		-	-	_	-	-
		ver cable						
	adj	ust	√	1	-	-	-	1
		converter	-	-	-	-	-	-
	(main le	tiple shifts ver/rear)	3	-	3	3	3	-
		MULTI RELEASE	-	-	-	-	-	-
Shift lever	Release function	INSTANT RELEASE	-	-	-	-	-	-
Snirt lever	Tunction	2-WAY RELEASE		_	_	_	_	_
		RELEASE With	√	1	1	1	√	1
	OPTICAL	With	<u> </u>		V		•	
	GEAR DISPLAY	(remova ble)	÷	-	-	-	-	-
		Without	-	-	-	-	-	-
	Multi-E constr	Bearing ruction	-	-	-	-	-	-
	Main	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Resin	Resin
	lever body	Finish	-	-	-	-		
	Release Jever	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Resin	Resin
	lever body	Finish	OT 5D41	OT 5041	OT 5D41	OT SD41	- OT SISAO	- OT \$1\$40
	Outer	casing Polymer-	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40
		coated cable	-	-	-	-	-	-
Shift lever cable	Inner	OPTISLIC	-	-	-	_	-	_
	Inner cable	SIL-TEC	-	-	-	_	-	-
		Stainless	-	-	-	-	-	-
		Steel	√	1	1	1	✓	1
		V-BRAKE Mechani		1	1	✓ with switch*	√	√
		Mechani cal disc	✓	1	√	✓ with switch*	1	✓
	Compati ble brake type	brake (MTB)						
		Mechani cal disc	_	_	_	_	_	_
		brake (Road)	_	_			_	
		Caliper (SLR-EV)	-	-	-	-	-	-
		Çaliper						
		Caliper (NEW SUPER	-	-	-	-	-	-
		SLK)						
		Caliper (SUPER SLR)	-	-	-	✓ with switch	-	-
		l Cantilev l		-		Cyariah and death		_
		er brake	-	-	-	✓ with switch	-	-
Brake lever		Roller brake	-	-	-	✓ with switch	-	-
	Recomm	V-BRAKE	-	-	-	SM-PM40	-	-
	Recomm ended POWER MODULA	Mechani cal disc		_	-	SM-PM50	_	_
	TOR	cal disc brake (MTB)				3 10130		
	Clamp band	l Onen l		_	_	_		_
		clamp band	<u> </u>	-				
	Internal sto	bumper op	-	-	-	-	-	-
	Lever size	e (finger)	2	2	2	4	2	2
		ble type adjuster	T-type -	T-type -	T-type -	T-type -	T-type -	T-type -
		WAVE	-	-	-	-	-	-
	Reach	adjust	1	1	1	1	1	1
		adjust just type	Two hand	Two hand	Two hand	✓ Two hand	Two hand	Two hand
	Brake	Material	Two hand Aluminum	Two hand Aluminum	Two hand Aluminum	Two hand Aluminum	Two hand Steel/Resin	Two hand Steel/Resin
	lever	Finish	Anodized	Anodized	Painted	Painted	-	-
	Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Bracket	Clamp	Finish Material	Painted Steel	Painted Steel	Painted Steel	Painted Steel	Painted Steel	Painted Steel
	screw	Finish	Zinc plated	Zinc plated	Plated	Plated	Zinc plated	Zinc plated
Average v	weight (g)		-	-	-	-	-	-
Na	nte					* POWER MODULATOR must be used for front		
No	νισ					be used for front brake		

LIFESTYLE Active

Shift/Brake Lever (Flat Handlebar type)

Se	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	el no.		ST-EF500-7R2A	ST-EF500-7R4A	ST-EF500-L2A	ST-EF500-L4A	ST-EF500-2L2A	ST-EF500-2L4A
	1		Black	Black	Black	Black	Black	Black
Color		2	-	-	-	-	-	-
Shifte	r type	noods	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS 3	EZ FIRE PLUS 3	EZ FIRE PLUS 2	EZ FIRE PLUS 2
	Front speeds Rear speeds		7	7	3 	-	-	-
	Compat	ible rear ur type	MTB 7-speed	MTB 7-speed	_	-	_	-
	Shift leve	r position	<u>'</u>					
		r position ust er cable	-	-	-	-	-	-
	adj	ust	-	-	✓	✓	✓	✓
		converter	-	-	-	-	-	-
	Max. mult (main le	ver/rear)	3	3	-	-	-	-
		MULTI RELEASE	-	-	-	-	-	-
	Release function	INSTANT RELEASE	-	_		_		-
Shift lever	function	2-WAY						
		2-WAY RELEASE	-	-	-	-	-	-
	OPTICAL	With	✓	1	✓	1	✓	1
	GEAR DISPLAY	With (remova ble)	-	-	-	-	-	-
	DISPLAY	ble) Without	-	-		-	-	-
	Multi-E constr		-	-		-		_
	Constr Main	uction Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	lever	Finish	-	- Steel+Nesili	-	- Steel+Resili	-	-
	Release	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	lever body	Finish	-	-	-	-	-	-
	Outer		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Polymer-	_	_	_	_	_	_
		coated cable						
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
		SIL-TEC	-	-	-	-	-	-
		Stainless Steel	- -	-	- -	-	-	-
		V-BRAKE	1	✓ with switch*	- ,	✓ with switch*	- ,	✓ with switch*
		Mechani cal disc brake (MTB)	1	✓ with switch*	1	✓ with switch*	1	✓ with switch*
	Compati ble brake type	Mechani cal disc brake (Road)	-	-	-	-	-	-
		Caliper (SLR-EV)	-	-	-	-	-	-
		Caliper (NEW SUPER SLR)	-	-	-	-	-	-
		Caliper (SUPER SLR)	-	✓ with switch	-	✓ with switch	-	✓ with switch
		Cantilev er brake Roller	-	✓ with switch	-	✓ with switch	-	✓ with switch
Brake lever		brake	-	✓ with switch	-	✓ with switch	-	✓ with switch
	Recomm	V-BRAKE Machani	-	SM-PM40	-	SM-PM40	-	SM-PM40
	Recomm ended POWER MODULA TOR	Mechani cal disc brake (MTB)	-	SM-PM50	-	SM-PM50	-	SM-PM50
	Clamp band	Open clamp band	-	-	-	-	-	-
	Internal sto	bumper op	-	-	-	-	-	-
	Lever siz	e (finger)	2	4	2	4	2	4
	Brake ca		T-type	T-type	T-type	T-type	T-type	T-type
	SERVO	djuster WAVE	-	-	-	-	-	-
	Reach		✓	1	√	1	√	✓
	Cable		√	<i>-</i>		- /	_ /	- 1
		just type Material	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
	Brake lever	Material Finish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
		Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket	Bracket	Finish Material	Painted	Painted	Painted	Painted	Painted	Painted
	Bracket Clamp screw		Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated	Steel Plated
Average		Finish	- Plated	-	- Plated	-	- Plated	-
Average weight (g) Note				* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake		* POWER MODULATOR must be used for front brake

Shift/Brake Lever (Flat Handlebar type)

Se	ries		SHIMANO	SHIMANO	SHIMANO
Mod	el no.		ST-EF41-7R	ST-EF41-6R	ST-EF41-L
Color		1	Black -	Black -	Black -
Shifte	r type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
		speeds speeds	- 7	- 6	3
	Compat	ible rear	MTB 7-speed	MTB 6-speed	-
	derailleur type Shift lever position		s / speed		
	ad	just /er cable	-	-	-
	ad	ust	-	-	1
		converter tiple shifts ver/rear)	- 3	3	-
	(main le	ver/rear) MULTI		-	_
	Rolosco	MULTI RELEASE INSTANT			
Shift lever	Release function	INSTANT RELEASE	-	-	-
		2-WAY RELEASE	-	-	-
	OPTICAL	With . With	1	1	1
	GEAR DISPLAY	(remova ble)	-	-	-
		Without	-	-	-
	consti	Bearing ruction	-	-	-
	Main lever	Material	Resin	Resin	Resin
	Release	Finish Material	Resin	Resin	Resin
	lever	Finish	-	-	-
		casing	OT-SIS40	OT-SIS40	OT-SIS40
	Inner cable	Polymer- coated cable	-	-	-
Shift lever cable		OPTISLIC	-	_	_
		SIL-TEC	-	-	-
		Stainless	-	-	-
		V-BRAKE	1	1	1
		Mechani cal disc brake (MTB)	1	1	1
		(MTB)	•	•	•
		Mechani cal disc brake (Road)	-	-	-
	Compati ble brake	Caliper (SLR-EV)	-	-	-
	brake type	Caliper (NEW SUPER SLR)	-	-	-
		Caliper (SUPER SLR)	-	-	-
		Cantilev er brake	-	-	-
		Roller brake	-	-	-
Brake lever	Recomm	V-BRAKE	-	-	-
	ended POWER MODULA TOR	Mechani cal disc brake (MTB)	-	-	-
	Clamp band	Open clamp band	-	-	-
	Internal st	bumper op	-	-	-
	Lever siz	e (finger)	2	2	2
		able type adjuster	T-type -	T-type -	T-type -
	SERVO	WAVE	-	-	-
		adjust adjust	1	<i>J</i>	<i>J</i>
	Cable ad	just type	Two hand	Two hand	Two hand
	Brake lever	Material Finish	Steel/Resin -	Steel/Resin -	Steel/Resin -
	Bracket	Material	Steel	Steel	Steel
Bracket		Finish Material	Painted Steel	Painted Steel	Painted Steel
	Clamp screw	Finish	Zinc plated	Zinc plated	Zinc plated
Average v	weight (g) ote		-	-	-
140				1	1



Shift/Brake Lever (Hydraulic disc brake, Drop Handlebar type)

Sei	ries		CUES	CUES	
Mode	el no.		ST-U6030-R	ST-U6030-L	
Calan		1	Series color	Series color	
Color	2		-	-	
Shifte	Shifter type			DUAL CONTROL LEVER	
	Front	speeds	-	2	
	Rear s	peeds	11/10	-	
Shift lever	Max. mult (main le	tiple shifts ver/rear)	2	-	
	Multi-k constr	pearing ruction	-	-	
	Brake h	ose (kit)	SM-BH59-JK-SSR	SM-BH59-JK-SSR	
	Hose	joint	Straight	Straight	
	Brake hose	1	Black	Black	
	Brake hose color (kit)	2	-	-	
	Recomr brake	nended caliper	BR-U6030, BR-RS405	BR-U6030, BR-RS405	
Brake lever	Oil		SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust		1	~	
	Clamp band (mm)		23.8-24.2	23.8-24.2	
	Funnel l	oleeding	1	✓	
	Free stroke adjust		-	-	
	SERVO WAVE		-	-	
Bracket	Material		Engineering composite	Engineering composite	
	Finish		-	-	
Buelos leves	Mat	erial	Aluminum	Aluminum	
Brake lever	Fin	ish	Painted	Painted	
Clamp band	Mat	erial	Steel	Steel	
	Outor	Lever side	OT-SP41	OT-SP41	
	Outer casing	Rear derailleu r side	-	-	
Shift lever cable		Polymer- coated cable	-	-	
Sime level cable	Inner	OPTISLIC K	1	✓	
	Inner cable	SIL-TEC	-	-	
		Stainless	-	-	
		Steel	1	✓	
Average v	weight (g)		-	-	
No	ote		Compatible with LINKGLIDE system 11/10-speed	-	

Shift/Brake Lever (Drop Handlebar type)

Se	Series Model no.		CUES	CUES	CUES	SHIMANO ESSA	TOURNEY	TOURNEY
Mod			ST-U3030-L	ST-U3030-10R	ST-U3030-9R	ST-U2030-R	ST-A070	ST-A073-L
Cala:	Color 1 2		Series color					
Color			-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front	speeds	2	-	-	-	2	3
Shift lever	Rear	speeds	-	10	9	8	7	-
	Multi-l consti	bearing ruction	0	0	0	0	-	-
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40
	casing	Rear derailleu r side	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SIS40	OT-SIS40
Shift lever cable		Polymer- coated cable	-	-	-	-	-	-
	Inner cable	OPTISLIC K	✓	✓	1	1	-	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	√ *	√ *
		Steel	✓	✓	1	1	-	-
	Reach	adjust	Screw	Screw	Screw	Screw	Screw	Screw
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	SLF	R-EV	-	-	-	-	-	-
Brake lever	NEW SU	JPER SLR	✓	✓	1	✓	-	-
	SUPE	R SLR	-	-	-	-	1	•
	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Mat	terial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
DIACKEL	Fir	nish	-	-	-	-	-	-
Average	weight (g)		-	-	-	-	-	-
Ne	ote	•					* Option	* Option

LIFESTYLE Active

Rear Derailleur

Se	ries		CUES	CUES	CUES	CUES	CUES	CUES
	lel no.		RD-U8000	RD-U8020	RD-U6000	RD-U6020-11	RD-U6020-10	RD-U4000
	1	1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Rear	speeds		11	11	11/10	11	10	9
Compati	ible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
	SHIMANO	SHADOW	-	-	-	1	1	1
RD construction	SHIMANO SHADOW RD+		1	1	1	-	-	-
		e servo	-	-	-	-	-	-
	SHIMAN O MTB	Direct attachm ent (convent ional)	1	1	1	1	1	•
	type	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-	-
	"	Direct mount	-	-	-	-	-	-
	UDH st	tandard	1	1	1	1	1	1
		ROAD type	-	-	-	-	-	-
	Riveted adapter	BMX- track	-	-	-	-	-	-
Madas	onvortor.	type						
	onverter adjuster		-	- √ /-	-	- - -	- - -	-
	t difference		OT OT	14T	OT	14T	16T	OT
	apacity		39T	48T	39T	48T	44T	35T
	, 	ax.	50T	45T	50T	45T	39T	46T
Low sprocket	М	in.	50T	45T	48T	45T	39T	41T
Ton sprosket	Max.		11T	11T	11T	11T	11T	11T
Top sprocket	Min.		11T	11T	11T	11T	11T	11T
Fluoric coated			4	4	3	3	3	1
	Guide pulley bearing		Sealed bearing	Sealed bearing	-	-	-	-
B.:!!	Tensior bea	n pulley iring	Sealed bearing	-	-	-	-	-
Pulley	Teeth		13/13T	11/13T	13/13T	11/13T	11/13T	13/13T
	Screws material Sunken type pulley		Steel	Steel	Steel	Steel	Steel	Steel
	Sunken ty scr	ype pulley ew	✓	1	1	✓	✓	✓
Bracket	Mat	erial	-	-	-	-	-	-
	1	nish	-	-	-	-	-	-
		w axle			-			-
B-axle	-	terial	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		nish w axle	Black -	Black -	-	-	-	-
B-axle 2		erial	-	-	-	-	-	-
		nish	-	-	-	-	-	-
Dracket had.	 	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
· unic	1	nish 	-	-	-	-	-	-
Plate body		terial nish	PA+GF -	PA+GF -	PA+GF -	PA+GF -	PA+GF -	PA+GF -
	1	terial	Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	PA+GF
Outer link		nish	Painted	Painted	Painted	Painted	Painted	-
Innov liel-	Mat	terial	Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	Aluminum
Inner link	Fin	nish	Painted	Painted	Painted	-	-	Painted
		terial	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Outer plate	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Outer plate	-		Aluminum	Aluminum	Steel	Steel	Steel	Steel
Outer plate Inner plate	Mat	terial						
-	Mat Fin	nish	Painted	Painted Stainless stand	Painted	Painted	Painted	Painted
•	Mat Fin Mat	nish terial	Painted Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Inner plate Cable fixing screw	Mat Fin Mat Fin	nish terial nish	Painted Stainless steel Black	Stainless steel Black	Stainless steel -	Stainless steel	Stainless steel	Stainless steel
Inner plate	Mat Fin Mat Fin Mat	nish terial	Painted Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Inner plate Cable fixing screw Stroke adjusting screw	Mat Fin Mat Fin Mat	nish terial nish terial	Painted Stainless steel Black Steel	Stainless steel Black Steel	Stainless steel - Steel	Stainless steel - Steel	Stainless steel - Steel	Stainless steel - Steel

SL

BL

ST

ST

FD

BR

BL

ВВ

BB

MF

НВ

FH

C\A/

RD

Rear Derailleur

Car	Series		CUES	CUES	CUES	SHIMANO ALIVIO	ALTUS	ALTUS
	eries del no.		RD-U4010	RD-U4020	RD-U3020	RD-M3100-SGS	RD-M2000	RD-M370-SGS
		1	Series color	Series color	Series color	Series color	Series color	Black
Color	2		-	-	-	-	-	Silver
Rear s	Rear speeds		9/10	9	9	9	9	9
Compati	-		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 9-speed	HG 9-speed	HG 9-speed
	SHIMANO SHADOW RD		1	1	1	1	1	-
RD construction	SHIMANO RI	SHADOW D+	-	-	-	-	-	-
	Double	e servo	-	-	-	-	-	1
	SHIMAN O MTB type	Direct attachm ent (convent ional)	1	1	1	1	•	1
	type	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-	-
deramed hanger	type	Direct mount	-	-	-	-	-	-
	UDH st	tandard	1	1	1	-	-	-
		ROAD		_	_	_	_	_
	Riveted adapter	type		-	-		-	
	auapter	BMX- track type	-	-	-	-	-	-
Mode co	nverter		-	-	-	-	-	-
Cable a	djuster		-	√ /-	√ /-	1	1	1
Max. front	difference		0T	16T	16T	22T	22T	22T
Total ca	apacity		28T	41T	41T	45T	45T	45T
Low sprocket		ax.	39T	36T	36T	36T	36T	34T
	Min.		36T	36T	36T	32T	32T	28T
Top sprocket	Max.		11T	11T	11T	12T	12T	11T
-1 1 1		lin.	11T	11T	11T	11T	11T	11T
Fluoric coated			-	1	-	1	-	-
	Guide bea	pulley iring	-	-	-	-	-	-
	Tension pulley bearing		-	-	-	-	-	-
Pulley	Teeth		11/11T	11/11T	11/11T	11T	11T	11/11T
	Screws material		Steel	Steel	Steel	Steel	Steel	Steel
	Sunken ty	ype pulley ew	1	1	1	1	1	✓ (guide pulley), - (tension pulley)
		terial	-	-	-	Steel	Steel	-
Bracket		nish	-	-	-	Painted	Painted	-
		w axle	1	-	-	1	-	-
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Fin	nish	-	-	-	-	-	-
	Hollo	w axle	-	-	-	-	-	-
B-axle 2		terial	-	-	-	Stainless steel	Stainless steel	
	Fin	nish	-	-	-	-	-	-
Bracket body		terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		nish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle		terial	Steel	Steel	Steel	Steel	Steel	Steel
		nish	- DA : CE	- DA : CE	- DA - CE	Zinc plated	Zinc plated	Zinc plated
Plate body		terial	PA+GF	PA+GF	PA+GF -	PA+GF	PA+GF	Resin
		nish terial	- PA+GF	- PA+GF	PA+GF	PA+GF	- PA+GF	Painted Steel
Outer link		terial nish	PA+GF -	PA+GF -	PA+Gr	PA+Gr	Painted	Painted
		terial	PA+GF	PA+GF	PA+GF	Steel	Steel	Steel
Inner link		nish	-	-	-	Painted	Zinc plated	Painted
		terial	Steel	Steel	Steel	Steel	Steel	Steel
Outer plate		nish	Painted	Painted	Painted	Painted	Painted	Painted
Innov nicto	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Inner plate	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fixing screw	Mat	terial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel
Cable living scievy	Fin	nish	-	-	-	-	-	Zinc plated
Stroke adjusting screw		terial	Steel	Steel	Steel	Steel	Steel	Steel
		nish	Plated	Plated	Plated	Plated	Zinc plated	Zinc plated
Average v			-	-	-	-	-	-
No	te		E-bike rated	E-bike rated				

LIFESTYLE Active

Rear Derailleur

So.	ios		CHIMANO ESSA	ACERA	ALTLIC	TOURNEY TY	TOURNEY A070	TOURNEY
	eries del no.		SHIMANO ESSA RD-U2000	ACERA RD-M3020-8	ALTUS RD-M310-Smart	TOURNEY TX RD-TX800	TOURNEY A070 RD-A070	TOURNEY RD-TY500-SGS
		1	Series color	Black	Black	Black	Series color	Series color
Color		2	-	-	Silver	Silver	-	-
Rear s			8	8/7	8/7	8/7	7	7/6
	ble chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	SHIMANO SHADOW		1	-	-	-	-	-
RD construction		SHADOW D+	-	-	-	-	-	-
		e servo	-	1	1	1	-	1
	SHIMAN	Direct attachm ent (convent	4	1	1	1	-	1
	SHIMAN O MTB type	Direct mount	-	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	1	-
	,,	Direct mount	-	-	-	-	-	-
	UDH st	andard	-	-	-	-	-	-
		ROAD type	-	-	-	-	✓	\
	Riveted adapter	BMX- track	-	_	_	_	_	1
**I.		type	•					
Mode co			-	-	-	-	-	-
Max. front	•		7 0T	√ 20T	√ 20T	√ 20T	20T	20T
Total ca			34T	45T	43T	43T	37T	43T
		ax.	45T	40T	34T	34T	28T	34T
Low sprocket	Low sprocket Min.		45T	30T	28T	28T	28T	28T
T	Max.		11T	12T	14T	14T	14T	14T
Top sprocket	Min.		11T	11T	11T	11T	11T	11T
Fluoric coated	link bushir	ngs	-	1	-	-	-	-
	Guide bea	pulley ring	-	-	-	-	-	-
	Tension pulley bearing		-	-	-	-	-	-
Pulley	Teeth		11/11T	11T	13/15T	13/13T	11/13T	13/13T
	Screws material		Steel	Steel	Steel	Steel	Steel	Steel
	Sunken ty scr	ype pulley ew	1	1	-	-	-	-
Bracket	Mat	erial	-	-	-	-	-	-
Diacket	Fin	ish	-	-	-	-	-	-
		w axle	-	-	-	-	-	-
B-axle		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel	Steel
		iish w axle	-	-	-	-	MnPO4	Zinc plated
B-axle 2		erial	-	-	-	-	-	-
-		ish	-	-	-	-	-	-
Dunelrot harder		erial	Aluminum	Aluminum	Aluminum	Resin	Resin	Resin
Bracket body	Fin	ish	Painted	Painted	Painted	Painted	-	-
P-axle		erial	Steel	Steel	Steel	Steel	Steel	Steel
		nish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Plated	Zinc plated
Plate body		erial nish	PA+GF -	PA+GF -	Resin -	Resin -	Resin -	Resin -
		erial	PA+GF	Steel	Steel	Steel	Steel	Steel
Outer link		ish	-	Painted	Painted	Painted	Painted	Painted
Inner link	Mat	erial	PA+GF	Steel	Steel	Steel	Steel	Resin
mmer link	Fin	ish	-	Zinc plated	Zinc plated	Zinc plated	Zinc plated	-
Outer plate		erial	Steel	Steel	Steel	Steel	Steel	Steel
• • • •		nish	Painted	Painted	Painted	Painted	Painted	Painted
Inner plate		erial	Steel	Steel	Steel Zinc plated	Steel Zinc plated	Steel	Steel
		ish erial	Painted Stainless Steel	Painted Steel	Zinc plated Steel	Zinc plated Steel	Painted Steel	Painted Steel
Cable fixing screw		nish	-	Zinc plated	Zinc plated	Zinc plated	Zinc Plated	Zinc plated
Stroke adjusting		erial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw		ish	Plated	Zinc plated	Zinc plated	Zinc plated	Zinc Plated	Zinc plated
Average v			-	-	-	-	-	-
No	ote			-				w/ Wheel type cable guide
					L	L	L	guide

SL BL

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RD

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RD

Rear Derailleur

Se	Series		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Mod	el no.		RD-TY300-SGS	RD-TY200-SS	RD-TY200-GS	RD-FT35-A-SS	RD-TY21-B-SS	RD-TY21-B-GS
Color			Series color	Black	Black	Black	Black	Black
Rear	peeds	2	7/6	7/6 (front single)	7/6	7/6 (front single)	Silver 6	Silver 6
	Compatible chain		HG 8/7/6-speed	HG 8/7/6-speed				
	SHIMANO	SHADOW	-	-	-	-	_	-
RD construction	SHIMANO	SHADOW	<u>-</u>	_	_	-	_	_
	KI	O+ e servo	1	_	<u> </u>	_	_	<u> </u>
	Double		•	-		-	-	
	SHIMAN O MTB type	Direct attachm ent (convent ional)	✓	1	✓	✓	1	✓
		Direct mount	÷	-	-	-	-	-
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH st	andard	-	-	-	-	-	-
	Riveted	ROAD type	✓	1	✓	✓	1	✓
	Riveted adapter	BMX- track type	1	1	-	✓	-	-
	onverter		-	-	-	-	-	-
	djuster difference		√ 20T	✓ 0T	√ 20T	✓ 0T	√ 13T	√ 20T
	apacity		43T	20T	34T	17T	28T	34T
	Ma	ax.	34T	34T	28T	28T	28T	28T
Low sprocket	М	in.	28T	28T	28T	28T	28T	28T
Top sprocket	Max.		14T	14T	14T	14T	14T	14T
	Min.		11T	12T	14T	11T	14T	14T
Fluoric coated			-	-	-	-	-	-
	Guide bea	pulley ring	·	-	-	-	-	-
	Tension pulley bearing		-	-	-	-	-	-
Pulley	Teeth		13/13T	11/11T	11/11T	11/11T	11/11T	11/11T
	Screws	material	Steel	Steel	Steel	Steel	Steel	Steel
	Sunken ty	pe pulley ew	-	-	-	-	-	-
Bracket	Mat		-	-	-	-	-	-
	Fin Hollov		-	-	-	-		-
B-axle	Mat		Steel	Steel	Steel	Steel	Steel	Steel
	Fin		Zinc plated	Black	Black	Black	Black	Black
	Hollov	w axle	-	-	-	-	-	-
B-axle 2		erial	-	-	-	-	-	-
	Fin Mat		- Resin	Resin	- Resin	Resin	Resin	Resin
Bracket body	Fin		-	-	-	-	-	-
P-axle		erial	Steel	Steel	Steel	Steel	Steel	Steel
	Fin		Zinc plated	Zinc plated				
Plate body	Mat Fin		Resin -	Resin -	Resin -	Resin -	Resin -	Resin -
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)
Innor link	Mat	erial	Steel	Resin	Resin	Steel	Steel	Steel
Inner link	Fin	ish	Zinc plated	Painted	Painted	Zinc plated	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)
Outer plate	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Outer plate	Fin		Painted	Painted	Painted	Painted	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)
Inner plate	Mat Fin	erial ich	Steel Painted	Steel Painted	Steel Painted	Steel Painted	Painted (black), Zinc plated (silver)	Steel Painted (black), Zinc
								Painted (black), Zinc plated (silver)
Cable fixing screw		erial	Steel	Steel Zinc Plated	Steel Zine Blated	Steel Zinc plated	Steel Zinc plated	Steel
		ish erial	Zinc plated Steel	Zinc Plated Steel	Zinc Plated Steel	Zinc plated Steel	Zinc plated Steel	Zinc plated Steel
Stroke adjusting screw	Fin		Zinc plated	Zinc plated				
Average v			-	-	-	-	-	-
Average weight (g) Note								

LIFESTYLE Active

Rear Derailleur

Sei	TOURNEY TZ						
Mode	el no.	-	RD-TZ500-GS				
Color		1 2	Series color				
Rears	peeds		6				
Compati	ble chain		HG 8/7/6-speed				
	SHIMANO	SHADOW D	-				
RD construction	SHIMANO	SHADOW D+	-				
		e servo	-				
	SHIMAN O MTB type	Direct attachm ent (convent ional)	1				
	"	Direct mount	-				
Applicable derailleur hanger	SHIMAN O ROAD type	Direct attachm ent (convent ional)	-				
	"	Direct mount	-				
	UDH st	andard	-				
		ROAD type	1				
	Riveted adapter	BMX- track					
		type	-				
	onverter		- -				
	difference		20T				
	apacity		34T				
		ax.	28T				
Low sprocket	М	in.	28T				
Top sprocket	M.	ax.	14T				
		in.	14T				
Fluoric coated			-				
		pulley ring	-				
	Tensior bea	n pulley ring	-				
Pulley	Te	eth	11/11T				
	Screws	material	Steel				
	Sunken ty scr	/pe pulley ew	-				
Bracket	Mat	erial	-				
Bracket	Fin	ish	-				
		w axle	-				
B-axle		erial	Steel				
		v axle	Black				
B-axle 2		erial	-				
		ish	-				
Dracket had.	Mat	erial	Steel				
Bracket body		ish	Painted				
P-axle		erial	Steel				
		ish	Zinc plated				
Plate body		erial ish	Resin -				
		erial	Steel				
Outer link	Fin	ish	Painted				
Inner link		erial	Steel				
		ish	Zinc plated				
Outer plate		erial iish	Steel Painted				
		erial	Steel				
Inner plate		ish	Painted				
Cable fixing screw	Mat	erial	Steel				
Lubic lixing sciew		ish	Zinc plated				
Stroke adjusting screw		erial	Steel Zinc plated				
	Average weight (g)						
	ote						

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Ser	ies		CUES	CUES	CUES	CUES	CUES	CUES
Mode	Model no.		FD-U8010-L	FD-U6000-D	FD-U6000-E	FD-U6000-M	FD-U6010-L	FD-U6030-F
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Front	speeds		2	2	2	2	2	2
Rear s	·		11/10	11/10	11/10	11/10	11/10	10/9
Compatil			LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG 11-speed
		WING	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed
A ation			1				1	-
Action		swing	-	-	-	-	-	✓
	SIDES	WING	-	1	1	1	-	-
	Çlamp	28.6	- ✓ (w/ M size	-	-	√ (w/ M size	✓ (w/ S size adapter) ✓ (w/ M size	-
	band (mm)	31.8	adapter)	-	-	adapter)	adapter)	-
		34.9	1	-	-	✓	1	-
Mount	F. 4	With bottom bracket plate	-	-	-	-	-	-
	E-type Without bottom bracket plate		-	-	1	-	-	-
	Direct	mount	-	1	-	-	-	-
	Braze	ed-on	-	-	-	-	-	1
Cable			-	-	-	-	-	√
	Dua	l-pull	1	-	-	-	1	-
		exclusive	-	-	-	-	-	-
Cable route type		l exclusive	-	-	-	-	-	1
	Fron	t-pull	-	1	1	1	-	-
Chain li			48.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8	47
Chainstay a			63-68	64-69	64-69	64-69	63-68	62-66
Top gea			46T	36T, 40T	36T, 40T	36T, 40T	40T (2x11-speed), 46T (2x11/ 2x10-speed)	46T, 50T
Total ca	apacity		16T	14T	14T	14T	16T	16T
Applicable top-mi		ference	-	-	-	-	-	
Multi access cal			_	-	_	-	-	-
Angled stroke			1	1	1	1	1	
Angled clamp			1	_	-	1	1	_
Multi-bearing			-	_	_	-	-	-
Link bu			4	4	4	4	4	7
		erial	Aluminum	-	-	Steel	Aluminum	
Front clamp band		nish	Painted	-	-	Painted	Painted	-
Poor clamp band		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket		nish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Stainless steel	-	-	Stainless steel	Stainless steel	Stainless steel
Clamp screw		ish	-	-	-	-	-	-
Bottom bracket		erial	-	-	-	-	-	-
plate		nish	-	-	-	-	-	-
_		erial	Steel	Steel	Steel	Steel	Steel	GFRP
Outer link		nish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel
Inner link		ish	Painted	Painted	Painted	Painted	Painted	Plated
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		ish	-	-	-	-	-	-
Stroke adjusting		erial	Stainless steel	Steel	Steel	Steel	Stainless steel	Steel
		nish	-	Phosphate coated	Phosphate coated	Phosphate coated	-	Phosphate coated
screw	rin	11311						
screw Average weight (g) direct type				-	-	-	-	-

LIFESTYLE Active

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RD

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RD

Front Derailleur

Ser	ies		CUES	CUES	CUES	CUES	CUES	CUES
Model no.		FD-U6030-B	FD-U4000-D	FD-U4000-E	FD-U4000-M	FD-U4000-L	FD-U4010-L	
Calan	1		Series color					
Color	Color 2		-	-	-	-	-	-
Front s	peeds		2	2	2	2	2	2
Rear speeds		10/9	10/9	10/9	10/9	10/9	9	
Compatil	ble chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
	TOP S	WING	-	-	-	-	✓	✓
Action Down swing		✓	-	-	-	-	-	
	SIDE S	WING	-	1	1	1	-	-
		28.6	✓ (w/ S size adapter)	-	-	-	-	-
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	-	-	✓ (w/ M size adapter)	√ (w/ M size adapter)	√ (w/ M size adapter)
	. ,	34.9	✓	-	-	1	✓	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	1	-	-	-
	Direct mount		-	✓	-	-	-	-
	Braze	ed-on	-	-	-	-	-	-
Cable	adjust		✓	-	-	-	-	-
	Dual	l-pull	-	-	-	-	1	1
		exclusive	-	-	-	-	-	-
Cable route type			1	-	-	-	-	_
	Down-pull exclusive Front-pull		-	1	1	1	_	-
Chain lir		•	47	48.8/51.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8
Chainstay a			62-66	64-69	64-69	64-69	64-69	63-68
Top gea			46T, 50T	36T, 40T	36T, 40T	36T, 40T	36T, 40T	46T
Total ca			16T	14T	14T	14T	14T	16T
Applicable top-mic	d tooth diff	erence	-	-	-	-	-	-
Multi access cal	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	-	1	1	1	1	1
Angled clamp			-	-	-	1	1	1
Multi-bearing			-	-	-	-	-	-
Link bu		-	7	4	4	4	_	_
		erial	Aluminum	-	-	Steel	Steel	Steel
Front clamp band	Fin		Painted	-	-	Painted	Painted	Painted
Poor clamp band	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Rear clamp band, base bracket	Fin		Painted	Painted	Painted	Painted	Painted	Painted
		erial	Stainless steel	-	-	Steel	Steel	Stainless steel
Clamp screw	Fin		-	-	-	-	Nickel plated	-
Rottom bracket		erial	-	-	-	-	-	-
Bottom bracket plate	Fin		-	-	-	-	-	-
		erial	GFRP	Steel	Steel	Steel	Steel	Steel
Outer link		ish	Painted	Painted	Painted	Painted	Plated	Plated
		erial	Steel	Aluminum	Aluminum	Aluminum	Steel	Steel
Inner link	Inner link Finish		Plated	Painted	Painted	Painted	Painted	Painted
Material		Steel	Steel	Steel	Steel	Steel	Steel	
Chain guide		ish	Chrome plated	Plated	Plated	Plated	Plated	Plated
		erial	Stainless steel					
Cable fixing screw		ish	-	-	-	-	-	-
Stroko adiustins		erial	Steel	Steel	Steel	Steel	Steel	Stainless steel
Stroke adjusting screw		ish	Phosphate coated	Phosphate coated	Phosphate coated	Phosphate coated	Zinc plated	-
Average weight (g) direct type			-	-	-	-	-	-

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Sei	ries		SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO
Mode	el no.		FD-M4020-M	FD-M3100-M	FD-M3120-D	FD-M3120-E	FD-M3120-M	FD-M3120-M-B
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	-	2	-	-	-	-	-	-
Front	speeds		2	3	2	2	2	2
	peeds		9	9	9	9	9	9
	ble chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
		WING	-	-	-	-	-	-
Action		swing	-	-	-	-	-	-
		WING	1	1	1	1	1	1
		28.6	✓ (w/ S size adapter)	-	-	-	✓ (w/ S size adapter)	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	✓ (w/ M size adapter)	-	-	✓ (w/ M size adapter)	✓ (w/ M size adapter)
	(,	34.9	1	1	-	-	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type Without bottom bracket plate		-	-	-	1	-	-
	Direct	mount	-	-	1	-	-	-
		ed-on	-	-	-	-	-	-
Cable	adjust			-	-	-	-	-
	Dua	l-pull	-	-	-	-	-	-
	Top-pull exclusive		-	-	-	-	-	-
Cable route type	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		1	✓	✓	1	1	✓
Chain li	ne (mm)		48.8	50	48.8/51.8	48.8/51.8	48.8	51.8
Chainstay a	angle (deg.))	64-69	66-69	64-69	64-69	64-69	64-69
	ar teeth		36T	40T	36T	36T	36T	36T
	apacity		14T	18T	14T	14T	14T	14T
Applicable top-mi	d tooth diff	ference	-	10T	-	-	-	-
Multi access cal	ble fixing so	crew	-	-	-	-	-	-
Angled stroke	e adjust scre	ew	1	1	✓	1	1	1
Angled clamp	band desi	gn	-	1	✓	1	1	1
Multi-bearing	constructi	on	-	-	-	-	-	-
	ushings		4	4	4	4	4	4
		erial	Steel	Steel	-	-	Steel	Steel
Front clamp band	Fin	ish	Painted	Painted	-	-	Painted	Painted
Rear clamp band,		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Stainless steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	-	-	-	-	-	-
Bottom bracket	Mat	erial	-	-	-	-	-	-
Bottom bracket plate	Fin	ish	-	-	-	-	-	-
0	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
I	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	nk Finish		Painted	Painted	Painted	Painted	Painted	Painted
Chain sould	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
Cabla finin	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting	Mat	erial	Stainless steel	-	-	-	-	-
Stroke adjusting screw	Fin	ish	-	-	-	-	-	-
11111311			-	-	_	_	-	
Average weight (g direct type	w/screw)	,	_					

LIFESTYLE Active

RD

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RD

Ser	ies		ACERA	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS
	Model no.		FD-M3000-TS6	FD-M2020-TS	FD-M2000-TS3	FD-M2000-TS6	FD-M2000-DS3	FD-M2000-DS6
		1	Black	Series color	Black	Series color	Black	Series color
Color		2	-	-	-	-	-	-
Fronts	peeds		3	2	3	3	3	3
Rear s	<u> </u>		9	9	9	9	9	9
Compatil			HG 9-speed					
	TOP S	WING	1	1	1	1	-	-
Action		swing	-	-	-	-	1	1
	SIDE S		-	-	-	-	-	-
	28.6		√ (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)	√ (w/ S size adapter)	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)
	(11111)	34.9	1	1	1	1	1	1
Mount	E-type With bottom bracket plate Without bottom bracket plate		-	-	-	-	-	-
			-	-	-	-	-	-
	Direct mount		-	-	-	-	-	-
	Brazed-on		-	-	-	-	-	-
Cable	adjust		-	-	-	-	-	-
	Dual-pull		1	1	1	1	1	1
Cable route type	Top-pull exclusive		-	-	-	-	-	-
Cable Toute type	Down-pul	l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	-
Chain lii	ne (mm)		50	48.8/51.8 *	50	50	50	50
Chainstay a	ngle (deg.)	l	66-69	64-69	63-66	66-69	63-66	66-69
Top gea	r teeth		40T	36T	40T	40T	40T	40T
Total ca	pacity		18T	14T	18T	18T	18T	18T
Applicable top-mi	d tooth diff	erence	10T	-	10T	10T	10T	10T
Multi access cal	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	1	1	1	1	1	✓
Angled clamp			✓	1	1	1	1	✓
Multi-bearing	construction	on	-	-	-	-	-	-
Link bu			-	-	-	-	-	-
Front clamp band		erial	Steel	Steel	Steel	Steel	Steel	Steel
-	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp band, base bracket	Mat		Steel	Steel	Steel	Steel	Aluminum	Aluminum
	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw		erial	Stainless steel	Steel	Steel	Steel	Steel	Steel Nickel plated
	Fin	erial	-	Nickel plated				
Bottom bracket plate	Fin		-	-	-	-	-	-
	Mat		Steel	Steel	Steel	Steel	Steel	Steel
Outer link		ish	Painted	Zinc plated	Zinc plated	Zinc plated	Painted	Painted
			Steel	Steel	Steel	Steel	Steel	Steel
Inner link	Inner link Material Finish		Painted	Painted	Painted	Painted	Painted/Zinc plated	Painted/Zinc plated
	Material		Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		ish	Chrome plated					
611.61		erial	Stainless steel					
Cable fixing screw	Fin		-	-	-	-	-	-
Stroke adjusting	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw		ish	Zinc plated					
Average weight (g) direct type	(band type w/ screw)	e: L size,	-	-	-	-	-	-
No				* Boost spec.				
			•					

Se	ries		ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS
Mod	Model no.		FD-M370-3	FD-M370-6	FD-M371-3	FD-M371-6	FD-M315-TS	FD-M313-3
	1		Series color					
Color		2	-	-	-	-	-	-
Front	speeds		3	3	3	3	2	3
Rear	peeds		9	9	9	9	8/7	8/7
Compati	ble chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed
	TOP S	WING	1	1	-	-	1	-
Action	Down	swing	-	-	1	1	-	1
	SIDE 9	SWING	-	-	-	-	-	-
		28.6	√ (w/ S size adapter)	√ (w/ S size adapter)	✓ (w/ S size adapter)	√ (w/ S size adapter)	✓ (w/ S size adapter)	✓ (w/ S size adapter)
	Clamp	31.8	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)	✓ (w/ M size adapter)
	(mm)	34.9	1	1	1	1	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type Without bottom bracket plate		-	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
	Braze	ed-on	-	-	-	-	-	-
Cable	adjust		-	-	-	-	-	-
	Dua	l-pull	✓	1	✓	✓	✓	✓
Cable route type	Top-pull exclusive		-	-	-	-	-	-
Cable foute type	Cable route type Down-pull exclusive		-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	-
Chain li	ne (mm)		50	50	50	50	48.8/51.8 *	47.5/50
Chainstay a	angle (deg.))	63-66	66-69	63-66	66-69	64-69	63-66
Top ge	ar teeth		44T, 48T	44T, 48T	44T, 48T	44T, 48T	36T	42T, 48T
Total c	apacity		22T	22T	22T	22T	14T	20T
Applicable top-mi	d tooth dif	ference	12T	12T	12T	12T	-	10T
Multi access ca	ble fixing s	crew	-	-	-	-	-	-
Angled strok	e adjust scr	ew	-	-	-	-	1	-
Angled clam	band desi	gn	1	1	1	1	1	1
Multi-bearing	g constructi	on	-	-	-	-	-	-
Link b	ushings		-	-	-	-	-	-
	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Front clamp band	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp hand	Mat	terial	Steel	Steel	Aluminum	Aluminum	Steel	Aluminum
Rear clamp band, base bracket	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
C I	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fir	nish	Nickel plated					
Rottom bracket	Mat	terial	-	-	-	-	-	-
Bottom bracket plate	Fir	nish	-	-	-	-	-	-
Outer link	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Innor link	Mat	terial	Steel	Steel	Steel	Steel	Zinc plated	Steel
mner link	Inner link Finish		Painted	Painted	Painted	Painted	Painted	Painted
Chain avida	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fir	nish	Chrome plated					
Cable fiving same	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Fir	nish	Nickel plated					
Stroke adjusting	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fir	nish	Zinc plated					
Average weight (g) (band type w/ screw)	e: L size,	-	-	-	-	-	-
uncer type	,							

LIFESTYLE Active

SL

RD

BR

BL

ВВ

ВВ

MF

НВ

НВ

RD

Sei	ries		ALTUS	ALTUS	ALTUS	TOURNEY TX	TOURNEY TX	TOURNEY
Mode	el no.		FD-M313-6	FD-M310-3	FD-M310-6	FD-TX800-TS3	FD-TX800-TS6	FD-TY600-L6
		1	Series color	Series color	Series color	Black	Series color	Series color
Color	-	2	-	-	-	-	-	-
Front :	speeds		3	3	3	3	3	3
Rear s	peeds		8/7	8/7	8/7	8/7	8/7	8/7/6
Compati	ble chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	TOP SWING		-	1	1	1	1	1
Action Down swing		1	-	-	-	-	-	
SIDE SWING		WING	-	-	-	-	-	-
		28.6	√ (w/ S size adapter)	√ (w/ S size adapter)	√ (w/ S size adapter)	√ (w/ S size adapter)	✓ (w/ S size adapter)	-
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	√ (w/ M size adapter)	✓ (w/ M size adapter)	√ (w/ M size adapter)	✓ (w/ M size adapter)	✓
	(34.9	1	1	1	1	1	1
Mount	With bottom		-	-	-	-	-	-
E-type		Without bottom bracket plate	-	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
	Brazed-on		-	-	-	-	-	-
Cable	adjust		-	-	-	-	-	-
	Dua	l-pull	✓	✓	1	✓	✓	✓
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
cable foute type	Down-pull exclusive		-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	-
Chain li	ne (mm)		47.5/50	47.5/50	47.5/50	47.5/50	47.5/50	47.5/50
Chainstay a	angle (deg.))	66-69	63-66	66-69	63-66	66-69	66-69
Top gea	ar teeth		42T, 48T	42T, 48T	42T, 48T	42T, 48T	42T, 48T	42T
Total c	apacity		20T	20T	20T	20T	20T	18T
Applicable top-mi			10T	10T	10T	10T	10T	8T
Multi access cal	ble fixing so	crew	-	-	-	-	-	-
Angled stroke			-	-	-	-	-	-
Angled clamp			√	1	1	√	1	✓
Multi-bearing		on	-	-	-	-	-	-
Link bu			-	-	-	-	-	-
Front clamp band		erial	Steel	Steel	Steel	Steel	Steel	Steel
-		ish · ·	Painted	Painted	Painted	Painted	Painted	Zinc plated
Rear clamp band, base bracket		erial	Aluminum	Steel	Steel	Steel	Steel	Steel
		nish Toriol	Painted	Painted	Painted	Painted	Painted	Zinc plated
Clamp screw		erial	Steel Nickel plated	Steel Nickel plated	Steel	Steel Nickel plated	Steel Nickel plated	Steel Nickel plated
		ish erial	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated -
Bottom bracket plate		ish	-	-	-	-	-	-
•		erial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link		nish	Painted	Painted	Painted	Zinc plated	Zinc plated	Zinc plated
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Inner link		nish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated/ Painted
	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw		ish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Canalas adlication		erial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw		ish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g				piacea	placea	placea	placed	piacea
Average weight (g direct type	w/ screw)	50,	-	-	-	-	-	-

Serie	s		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model	Model no.		FD-TY600-L3	FD-TY601-L6	FD-TY601-L3	FD-TY606-L	FD-TY300-DS6(475)	FD-TY300-DS6(50)
C.I.	1	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
Front sp	Front speeds Rear speeds		3	3	3	2	3	3
Rear spe	eeds		8/7/6	8/7/6	8/7/6	8/7/6	7/6	7/6
Compatible	e chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	TOP SWING		1	1	1	1	-	-
Action			-	-	-	-	1	1
	SIDE S	WING	-	-	-	-	-	-
		28.6	-	-	-	-	1	-
	Clamp pand	31.8	1	1	1	1	1	-
	(mm)	34.9	1	1	1	1	-	1
Mount	E tumo	With bottom bracket plate	-	-	-	-	-	-
	E-type Withou bottom bracket plate		-	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
		ed-on	-	-	-	-	-	-
Cable ac	ljust		-	-	-	-	-	-
L	Dual	-pull	✓	1	1	1	-	-
Cable route type	Top-pull exclusive		-	-	-	-	1	✓
cubic route type	Down-pull exclusive		-	-	-	-	✓	✓
	Front	t-pull	-	-	-	-	-	-
Chain line	(mm)		47.5/50	47.5/50	47.5/50	48.8	47.5	50
Chainstay an	gle (deg.)		63-66	66-69	63-66	63-68	66-69	66-69
Top gear	teeth		42T	48T	48T	46T	42T	42T
Total cap	acity		18T	20T	20T	16T	18T	18T
Applicable top-mid	tooth diff	erence	8T	10T	10T	-	8T	8T
Multi access cable	e fixing so	rew	-	-	-	-	-	-
Angled stroke a	djust scre	ew	-	-	-	-	-	-
Angled clamp b	and desig	gn	✓	1	1	1	-	-
Multi-bearing c	onstruction	on	-	-	-	-	-	-
Link bush			-	-	-	-	-	-
Front clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
r · · ·	Fin		Zinc plated	Zinc plated	Zinc plated	Painted	Painted	Painted
Rear clamp band, base bracket	Mat		Steel	Steel	Steel	Steel	Steel	Steel
nase nracket	Fin		Zinc plated	Zinc plated	Zinc plated	Painted	Painted	Painted
Clamp screw	Mat		Steel	Steel	Steel	Steel	Steel	Steel
	Fin		Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Bottom bracket	Mat		-	-	-	-	-	-
P	Fin		- CtI	-	-	-	- Charle Basis	-
Outer link	Mat		Steel	Steel	Steel	Steel	Steel+Resin	Steel+Resin
	Fin		Zinc plated	Zinc plated	Zinc plated	Zinc plated	Painted	Painted
Inner link		erial	Steel	Steel	Steel	Steel	Steel Zinc plated	Steel
		ish	Painted Steel	Painted Steel	Painted Steel	Painted	Zinc plated	Zinc plated
Chain guide		erial ish	Chrome plated/ Painted	Chrome plated/ Painted	Chrome plated/ Painted	Steel Chrome plated	Steel Zinc plated	Steel Zinc plated
Cable fining	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Fin	ish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fin	ish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) (l direct type v	band type v/ screw)	e: L size,	-	-	-	-	-	-
Note			-	-	-	-		



Front Derailleur

Ser	ies		TOURNEY TZ	TOURNEY TZ	TOURNEY	TOURNEY
Mode			FD-TZ500-DS6	FD-TZ510-DS6	FD-A070-A	FD-A073
		1	Series color	Series color	Series color	Series color
Color		2	-	-	-	-
Front	speeds		3 (friction)	3 (friction)	2	3
Rear s			7/6	7/6	7	7
Compati	ble chain		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	TOP 9	WING	-	-	-	-
Action	Down	swing	1	1	1	1
	SIDE S	WING	-	-	-	-
		28.6	1	1	√ (w/ S size adapter)	✓ (w/ S size adapte
	Clamp band (mm)	31.8	1	1	✓ (w/ M size adapter)	✓ (w/ M size adapter)
	(11111)	34.9	-	-	1	1
Mount		With bottom bracket plate	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-
	Direct	mount	-	-	-	-
		ed-on	-	-	-	-
Cable	Cable adjust		-	-	-	-
		l-pull	-	-	-	-
		exclusive	1	1	-	-
Cable route type		l exclusive	1	1	-	-
		t-pull	-	-	-	-
Chain lii			47.5	47.5	43.5	45
Chainstay a)	66-69	66-69	61-66	63-66
	r teeth		42T	48T	50T	50T
Total ca			18T	20T	16T	20T
Applicable top-mi		ference	8T	10T	-	11T
Multi access cal	ole fixing s	crew	-	-	-	-
Angled stroke	adjust scr	ew	-	-	-	-
Angled clamp			-	-	1	1
Multi-bearing	constructi	on	-	-	-	-
Link bu			-	-	-	-
		erial	Steel	Steel	Steel	Steel
Front clamp band	Fir	ish	Painted	Painted	Painted	Painted
Rear clamp hand	Mat	erial	Steel	Steel	Aluminum	Aluminum
Rear clamp band, base bracket	Fir	ish	Painted	Painted	Painted	Painted
	Mat	erial	Steel	Steel	-	-
Clamp screw	Fir	ish	Zinc plated	Zinc plated	-	-
Bottom bracket	Mat	erial	-	-	-	-
plate	Fir	ish	-	-	-	-
Outor limb	Mat	erial	Steel+Resin	Steel+Resin	Steel	Steel
Outer link	Fir	ish	Painted	Painted	Painted	Painted
Innor link	Mat	erial	Steel	Steel	Steel	Steel
Inner link	Fir	ish	Painted	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel	Steel
Chain guide	Fir	ish	Painted	Painted	Painted	Painted
Cable fixing screw	Mat	erial	Steel	Steel	Steel	Steel
Cable fixing sciew	Fir	ish	Zinc plated	Zinc plated	Nickel plated	Nickel plated
Stroke adjusting screw	Mat	erial	Steel	Steel	Steel	Steel
		ish	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) direct type	(band typ w/ screw)	e: L size,	-	-	-	-
No	te					

BL

BL

BL

ST

ST

RD

FD

BR

BL

BB

ВВ

MF

НВ

НВ

SW

RD

Brake (Hydraulic Disc Brake)

Ser	ries	CUES	CUES	CUES	CUES	CUES	SHIMANO
Mode		BR-U8000	BR-U8010	BR-U8020	BR-U6030-F	BR-U6030-R	BR-UR300
1		Series color	Series color	Series color	Series color	Series color	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake h	ose (kit)	SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH59-JK-SSR	SM-BH59-JK-SSR	SM-BH59-JK-SS
J-Kit spec	(for OEM)	1	1	1	1	1	1
Hose	joint	Banjo	Straight	Banjo	Straight	Straight	Straight
Proko boso solor	Brake hose color (kit)		Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	-
ICE TECHNOLOGIES p	ad compatible caliper	1	✓	1	-	-	-
	Standard 1	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin) *	N03A-RF Resin (w/ fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)
Standard 2		-	L05A-RF Resin (w/ fin) **	D03S-RX Resin (w/o fin)	-	-	-
	Option 1	G04S-MX Metal (w/o fin)	-	N04C-MF Metal (w/ fin)	-	-	-
	Option 2	J05A-RF Resin (w/ fin)	-	D02S-MX Metal (w/o fin)	-	-	-
	10 mm mount	-	1	-	1	1	1
	15 mm mount	-	1	-	1	1	1
	20 mm mount	-	✓	-	1	1	1
Fixing screw spec for rear mount	25 mm mount	-	✓	-	1	1	1
Tor rear mount	30 mm mount	-	1	-	1	1	1
	35 mm mount	-	1	-	1	1	1
	15.2 mm	-	-	-	-	-	-
	18.7 mm	1	-	1	-	-	-
Recommende	d brake lever	BL-U8000	BL-U8000	BL-U8000	ST-U6030 BL-U6030-L	ST-U6030 BL-U6030-L	BL-MT201 BL-MT200
Recommended	disc brake rotor	RT-MT800	RT-MT800	RT-MT800	SM-RT54 SM-RT30	SM-RT54 SM-RT30	SM-RT10 *, SM-RT26
	140 mm (SS)	✓	✓	1	-	-	-
	160 mm (S)	✓	✓	1	✓	✓	✓
Compatible rotor size	180 mm (M)	1	✓	1	1	1	1
	203 mm (L)	✓	-	1	-	-	-
	220 mm (LL)	1	-	1	-	-	-
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	✓	✓	-	1	1	1
Moun	t type	Post type	Flat mount	Post type	Flat mount	Flat mount	Flat mount
Pist	ton	2	2	4	2	2	2
Piston r	material	Ceramic	Resin	Ceramic	Resin	Resin	Resin
	MONO-BODY	-	-	-	-	-	-
Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Caliper fixing screw	Tool size	5 mm	4mm	5 mm	4 mm	4 mm	5 mm
	Anti loosen method	Snap ring	Screw fix pin+Snap ring	Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring
Pad m	nount	Pad axle	Pad axle	Pad axle	Split pin	Split pin	Split pin
Average v		107		117	-	-	-
Average weight (g) (w/ pad (Standard 1) scre	kit for front 800 mm,), w/o adapter, w/ 2 ws)	-	-	-	-	-	-
No	ote		* Available in OEM package only ** Available in OTC package only				* Only compatible with resin pad



Brake (Mechanical Disc Brake)

		T				
Ser	Series Model no					
Mode	Model no.					
	1	Black				
Color	2	-				
	3	-				
Brake	type	Mechanical disc brake				
ICE TECHNOLOGIES p	ad compatible caliper	-				
	Standard 1	B05S-RX Resin (w/o fin)				
Pad	Standard 2	-				
	Option 1	-				
	Option 2					
Recommende	d brake lever	V-BRAKE BL (1.5-2.5 finger)				
Recommended	disc brake rotor	SM-RT10, SM-RT26				
Moun	t type	Post type				
Pist	ton	1				
Piston r	naterial	-				
	MONO-BODY	-				
Caliper	Material	Aluminum				
	Finish	Painted				
	Material	Steel				
Caliper fixing screw	Tool size	5 mm				
	Anti loosen method	Snap ring				
Pad n	nount	Split pin				
Average v	veight (g)	-				
No	ote					

Crankset

Ser	ries	CUES	CUES	CUES	CUES	CUES	CUES
Mode	el no.	FC-U8000-2	FC-U8000-1	FC-U6000-2	FC-U6000-2B	FC-U6010-2	FC-U6000-1
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	11	11/10/9	11/10/9 (36-22T), 10/ 9 (46-30T)	11/10/9	11	11/10/9
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain li	ne (mm)	48.8	50	48.8	51.8	48.8	55 (30T, 32T), 52 (30T, 32T), 50 (40T, 42T)
2.5	Thru (mm)	142	142	142	148	142	*148, 142 (30T, 32T), 142 (40T, 42T)
O.L.D.	QR/Nut (mm)	135	135	135	141	135	*141, 135 (30T, 32T), 135 (40T, 42T)
P.C.D.	(mm)	96	96	96 (36-22T), 110 (46-30T)	96	110	96 (30T, 32T), 110 (40T, 42T)
Spider/g	ear arms	4	4	4	4	4	4
Chainring c		46-32T	40T, 42T	36-22T, 46-30T	36-22T	46-32T	30T, 32T, 40T, 42T
Q-facto	or (mm)	180	180	180	180	180	180
	160	-	-	-	-	-	-
	165	-	-	-	-	-	✓ (chain line 55mm)
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170 172.5	√	-	-	√	-	-
	172.5	-	-	-		-	-
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	1	1	✓ (46-30T)	-	1	✓ (40T, 42T)
guard	Without chain/bash guard	1	1	1	✓	1	1
HOLLOV	_	1	1	-	-	1	-
2-PIECE C	RANKSET	-	-	1	1	-	1
HOLLOWTEC	H crank arm	-	-	-	-	-	-
ОСТА		-	-	-	-	-	-
HOLLO		-	-	-		-	-
Compatible bottom	Outboard	-	1	1		1	/
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square Threaded (normal)	BB-MT801	BB-MT801	BB-MT501	BB-MT501	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain	_	_	BB-MT501		BB-MT501	BB-MT501
	case)				DD MATEON DA		
Axle length of	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axie leligili oi	68	1	1	1	1	1	1
Threaded bottom bracket shell width	70	-	-	-	-	-	-
bracket shell width (mm)	73	✓	1	1	✓	✓	1
	83	-	-	-	-	-	-
Chain case	compatible	✓	1	✓ (46-30T)	-	1	✓ (40T, 42T)
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Crank axle	Material Finish	Steel Plated	Steel Plated	Steel Plated	Steel	Steel	Steel Plated
	Material	Aluminum	Aluminum	Aluminum	Plated Aluminum	Plated Aluminum	Aluminum
Spider arm	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Cuida:	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum	Steel	Steel	Aluminum	Steel
	Finish	Anodized	Anodized	Painted	Painted	Anodized	Painted
Middle ring	Material	-	-	-	-	-	-
	Finish Material	- Aluminum	-	- Steel	- Steel	- Steel	-
Inner ring	Finish	Anodized	-	Painted	Painted	Painted	-
Outer/middle ring	Material	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outer/middle ring fixing bolt	Finish	Anodized	Anodized	-	-	-	-
Inner ring fixing screw	Material	-	-	Stainless steel	Stainless steel	Stainless steel	-
	Finish	-	-	-	-	-	-
Stainless chain g		1	1	-	-	1	1
	crew included	1	1	1	√	1	1
brac	170 mm, w/o bottom ket)			-	-	-	* Chain line 55 mm
No	ote						* Chain line 55 mm spec. is for rear O.L.D 148(Thru)/141(QR) only (NEW)

SL

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FD

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FH

SVV

RD

Crankset

Ser	ies	CUES	CUES	CUES	CUES	CUES	CUES
Mode		FC-U6030-2	FC-U6040-2	FC-U6030-1	FC-U6040-1	FC-U4000-2	FC-U4000-2B
IVIOUE							
Color	1 2	Series color					
Danie I		- 10/0	10/0			11/10/0	
Rear s	peeds	10/9	10/9	11/10/9	11/10/9	11/10/9	11/10/9
Compatil	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain lir	ne (mm)	47	47	50	50	48.8	51.8
	Thru (mm)	142	142	142	142	142	148
O.L.D.	QR/Nut (mm)	135	135	135	135	135	141
P.C.D.		110	110	110	110	Riveted	Riveted
Spider/g		4	4	4	4	4	4
Chainring of		46-32T, 50-34T	46-32T, 50-34T	40T, 42T	40T, 42T	36-22T, 40-26T	36-22T
Q-facto		152	152	152	152	178	178
Q-lacto	160	-	-	-	-	-	-
1	165	1	-	1	-	-	-
1	167.5	▼	-	-	-	-	-
-		-					
Crank arm length (mm)	170	✓	1	1	1	✓	1
()	172.5	J	1	1	1	-	-
	175	1	1	1	1	1	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	√ (40-26T)	-
guard	Without chain/bash	1	1	1	1	1	1
,,,,,,	guard	·		·		·	
HOLLOV		-	1	-	✓	-	-
2-PIECE C		1	-	1	-	-	-
HOLLOWTEC		-	-	-	-	-	-
ОСТА		-	-	-	-	-	-
HOLLO	NGLIDE	-	-	-	-	-	-
	Outboard	✓	✓	1	✓	-	-
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
Diameter type	Square	-	-	-	-	✓	1
	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-UN101	BB-UN101
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain			_	_	_	_
	case)	_				-	-
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	-
Axle length of I	BB-UN/ES (mm)	-	-	-	-	LL123	LL123
	68	✓	✓	✓	✓	✓	✓
Threaded bottom bracket shell width (mm)	70	✓	✓	✓	✓	-	-
(mm)	73	-	-	-	-	✓	1
	83	-	-	-	-	-	-
Chain case	compatible	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
Spider arm	Finish	Painted	Painted	Painted	Painted	_	-
	Material	- railiteu	- railiteu	- railiteu	- rainteu	-	-
Spider arm cover	Finish	-	-	-	-		
	Material	- Aluminum	- Aluminum	Steel	Steel	Steel	Steel
Outer ring							
	Finish Material	Anodized	Anodized	Painted	Painted	Painted	Painted
Middle ring	Material	-	-	-	-	-	-
-	Finish	-	-	-	-	-	-
Inner ring	Material	Steel	Steel	-	-	Steel	Steel
	Finish	Painted	Painted	-	-	Painted	Painted
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	-	-
fixing bolt	Finish	-	-	-	-	-	-
Inner ring fixing screw	Material	Stainless steel	Stainless steel	-	-	-	-
screw	Finish	-	-	-	-	-	-
Stainless chain gu	uard fixing screw	-	-	-	-	-	-
		-	-	-	-	1	1
Crank fixing s							-
	Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	_

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Crankset

Ser	ries	CUES	CUES	CUES	SHIMANO	SHIMANO ESSA	TOURNEY TX
Mode	el no.	FC-U4010-2	FC-U4010-2B	FC-U4000-1	FC-UT400-1	FC-U2000-1	FC-TX801
Color	1	Series color	Series color	Series color	Black	Series color	Black
Coloi	2	-	-	-	-	-	Silver
Rear s	peeds	11/10/9 (36-22T, 40-26T), 10/9 (46-30T)	11/10/9	11/10/9	11/10/9	8/7	8/7/6
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 8/7/6-speed	HG 8/7/6-speed
Chain li	ne (mm)	48.8	51.8	52 (30T, 32T), 50 (40T, 42T)	52, 55	52 (32T), 50 (40T)	50
O.L.D.	Thru (mm)	142	148	148, 142 (30T, 32T), 142 (40T, 42T)	148, 142	148/142 (32T), 142 (40T)	142
0.2.2	QR/Nut (mm)	135	141	141, 135 (30T, 32T), 135 (40T, 42T)	141, 135	141/135 (32T), 135 (40T)	135
P.C.D.		Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/g		4 36-22T, 40-26T,	4	4	4	4	42 22 227 40 20 207
Chainring o		46-30T 180	36-22T 180	30T, 32T, 40T, 42T	32T 178	32T, 40T 178	42-32-22T, 48-38-28T 187.9
Q-iacit	160	-	-	-	-	-	-
	165	-	-	-	1	-	1
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	✓	1	✓	✓	✓
(mm)	172.5	-	-	-	-	-	-
	175 177.5	-	√	-	-	-	-
	180	-	<u> </u>	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional çhain	With chain guard	✓ (40-26T, 46-30T)	-	√ (40T, 42T)	-	- (32T), √ (40T)	1
guard	Without chain/bash guard	1	1	1	1	1	1
HOLLOV		-	-	-	_	-	-
2-PIECE C		1	1	-	-	-	-
HOLLOWTEC	CH crank arm	-	-	-	-	-	-
OCTA	LINK	-	-	-	-	-	-
HOLLO		-	-	-	-	-	-
Compatible bottom	Outboard	1	√	-	-	-	-
bracket type	OCTALINK	-	=	-	-	-	-
	Square Threaded (normal)	BB-MT501	BB-MT501	√ BB-UN101	∀ BB-UN101	BB-UN101	√ BB-UN101
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain	BB-MT501	_	BB-UN101-K	_	BB-UN101-K	BB-UN101-K
	case) Press-Fit	BB-MT500-PA	BB-MT500-PA	-	_	-	_
Axle length of		- BB-W1300-FA		LL123	LL123	LL123	LL123
Axic length of	68	1	1	✓	√	✓	✓
Threaded bottom bracket shell width	70	-	-	-	-	-	-
(mm)	73	✓	1	1	1	1	1
	83	-	-	-	-	-	-
Chain case		✓ (46-30T)	-	✓ (40T, 42T)	-	-	√
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted Steel	Painted Steel	Painted Steel	Painted Steel	Painted -	Painted -
Crank axle	Finish	Plated	Plated	Plated	Plated	-	-
C1.4-	Material	-	-	Aluminum	-	-	-
Spider arm	Finish	-	-	Painted	-	-	-
Spider arm cover	Material	-	-	-	-	-	Resin
Spider ann cover	Finish	-		-	-	-	Resin
Outer ring	Material	Steel	Steel	Steel	Steel	Steel	Steel
-	Finish Material	Painted -	Painted -	Painted -	Painted -	Painted -	Painted Steel
Middle ring	Finish	-	-	-	-	-	Painted
Innas!	Material	Steel	Steel	-	-	-	Steel
Inner ring	Finish	Painted	Painted	-	-	-	Painted
Outer/middle ring fixing bolt	Material	-	-	Stainless steel	-	-	-
	Finish	-	-	-	-	-	-
Inner ring fixing screw	Material	-	-	-	-	-	-
Stainless chain g	Finish	-	-	- -	-	- •	-
Crank fixing s		-	- ·	1	1	1	-
Average weight (g) (-		
		-	-	-	-	-	-
No	те						

LIFESTYLE Active

Crankset

Sei	ries	SHIMANO	SHIMANO	SHIMANO	TOURNEY A070	TOURNEY
Mode	el no.	FC-TY501-2	FC-TY501	FC-TY301	FC-A070	FC-A073
Color	1	Black	Black	Black	Series color	Series color
Rear speeds		8/7	Silver 8/7/6	8/7/6	8/7	8/7
Compati		HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
Chain li		48.8	47.5/47.5 + t/50	47.5/47.5 + t/50	43.5	45
O.L.D.	Thru (mm)	142	142	142	142	142
	QR/Nut (mm)	135	135	135	135	135
P.C.D.		Riveted	Riveted	Riveted	Riveted	Riveted
Spider/g Chainring c		4 46-30T	4 42-34-24T, 48-38-28T	4 42-34-24T, 48-38-28T	5 50-34T	5 50-39-30T
Q-facto		185.5	185.5	181.5	169	171.5
- Q rucce	160	-	-	-	-	-
	165	-	1	-	✓	1
	167.5	-	-	-	-	-
Crank arm length	170	1	1	1	✓	1
(mm)	172.5	-	-	-	-	-
	175 177 5	1	1	1	-	-
	177.5 180	-	-	-	-	-
	With bash guard	-	-	-	-	-
Optional chain guard	With chain guard	1	✓ (integrated type)	✓ (integrated type)	1	1
guard	Without chain/bash	1	1	1	1	1
HOLLON	guard VTECH II	-	-	-	-	
2-PIECE C		-	-	-	-	-
HOLLOWTEG		-	-	-	-	-
OCTA	ALINK	-	-	-	-	-
HOLLO		-	-	-	-	-
Compatible bottom	Outboard	-	-	-	-	-
Compatible bottom bracket type	OCTALINK Square	-	-	-	-	-
	·	-	BB-UN101, BB-	BB-UN101, BB-	-	-
	Threaded (normal)	BB-UN101	UN300	UN300	BB-UN300	BB-UN300
Recommended bottom bracket	Threaded (E-type)	-	-		-	-
Bottom Bracket	Threaded (chain case)	-	BB-UN101-K, BB- UN300K	BB-UN101-K, BB- UN300K	-	-
	Press-Fit	-	-	-	-	-
Axle length of		LL123	D-NL, *D-EL	D-NL, *D-EL	MM110	LL113
Thus a dead beatterns	68	1	-	1	1	1
Threaded bottom bracket shell width (mm)	70 73	-	-	-	-	-
(11111)	83	-	-	-	-	-
Chain case		-	1	1	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Painted	Painted	Painted	Painted
Crank axle	Material	-	-	-	-	-
	Finish Material	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-
	Material	Resin	Resin	Resin	-	-
Spider arm cover	Finish	Resin	- (black), Painted	-	_	_
	Material	Steel	(silver) Steel	Steel	Steel	Steel
Outer ring	Finish	Painted	Painted	Painted	Painted	Painted
BA: 441!	Material	-	Steel	Steel	-	Steel
Middle ring	Finish	-	Painted	Painted	-	Painted
Inner ring	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material Finish	-	-	-	-	<u>-</u>
	Material	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	-
Stainless chain g	uard fixing screw	-	-	-	-	-
Crank fixing s	crew included	1	√ (Option)	-	-	-
Average weight (g) (170 mm, w/o bottom	-	-	-	-	-
Average weight (g) (170 mm, w/o bottom bracket) Note			* Bottom bracket spec. for chain line 50 mm	150 mm spec. available for 42-34-22T (Black) * Bottom bracket Spec for Chain line 50 mm		

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SVV

Bottom Bracket (HOLLOWTECH II)

Sei	SHIMANO				
Mode	el no.	BB-UR400			
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	1			
Dottom bracket	Press-Fit type	-			
	68	1			
Threaded bottom bracket shell width (mm)	73	-			
,	83	-			
	84.5	-			
	89.5	-			
Press-Fit bottom bracket shell width (mm)	92	-			
()	104.5	-			
	107	-			
Small bal	l bearing	-			
Adapter	Material	Aluminum			
Adapter	Finish	Painted			
Spacor	Material	Resin			
Spacer	Finish	-			
Average v	Average weight (g)				
No	Not compatible for E-type FD with BB plate				

LIFESTYLE Active

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Bottom Bracket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		BB-ES300	BB-ES300-E	BB-ES300-K	BB-ES51	BB-ES51-E	BB-ES51-K	
		dard	✓	-	-	✓	-	-
Structure		ype	-	✓	-	-	✓	-
	Hollov	in case	- -	- -	√	<u>-</u>	-	1
Spindle	OCTA		1	1	1	<u>√</u>	1	4
Spa.c	Squar		-	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	107	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	=	_	=	_	_
		68 (BC1.37)	-	-	-	-	-	-
	MM110	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	LL113	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	1	1	-	✓ (for double)	_	-
	143		7	-			-	-
	113	70 (M36) 73			-	✓ (for double)		
		73 (BC1.37)	✓	-	-	· ·	-	-
	D-H	68 (BC1.37)	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-	-
	117.5	68 (BC1.37)	-	-	-	-	-	-
	118		,	,		,		
		68 (BC1.37)	1	1	-	✓	-	-
		70 (M36)	√	-	-	-	-	-
Aula lammah (ahali		73 (BC1.37)	✓	-	-	✓	-	-
Axle length/shell width (mm)		68 (BC1.37)	-	-	-	-	-	-
	XL118	70 (M36)	-	-	-	-	-	-
		73 mm	-	-	-	-	-	-
	121	68 (BC1.37)	✓	✓	✓	√ (for triple)	-	-
		70 (M36)	-	-	-	✓	-	-
		73 (BC1.37)	✓	✓	-	-	-	-
		68 (BC1.37)	1	1	/ *	1	_	_
	126	70 (M36)	-	-	-	-	-	-
	126	73 (BC1.37)	- -	- -	-	-	_	-
			,	7	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	D-NL 122	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	D-EL 127	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	_	_	_	_	_	_
	11433							
	LL123	70 (M36) 73	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
	123SP	68 (BC1.37)	-	-	-	-	-	-
	130	68 (BC1.37)	=	=	-	-	-	-
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Spindle	Fin		Bonderlube	Bonderlube	Bonderlube	Plated	Painted (black)	Painted (black)
Left hand adapter		erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin		- Charl	- Charl	-	-	- Charl	- Charl
ight hand adapter/ shell		erial ish	Steel Phosphate coated	Steel Phosphate coated	Steel Phosphate coated	Steel Nickel Chrome	Steel Nickel Chrome	Steel Nickel Chrome
shell Finish		r nosphate coated	r nospilate coated	i nospilate coated	MICKEL CHI OTTIE	MICKEI CHIOME	INICKEI CHIOITIE	

Bottom Bracket

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		BB-ES51-AK	BB-UN300	BB-UN300-K	BB-UN300-E	BB-UN101	BB-UN101-K	
		dard	-	1	-	-	1	-
Structure		ype	-	-	-	✓	-	-
		ain case w pipe	1	-	-	- -	-	✓
Spindle		ALINK	1	-	-	-	-	-
		e type	-	1	1	1	1	1
		68 (BC1.37)	-	1	-	-	-	-
	107	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	_	√ **	1	_	_	_
	MM110	(BC1.37) 70 (M36)	-	-	-	<u> </u>	-	-
	INIMITIO			-		_	-	-
		73 (BC1.37)	-		-	-	-	-
		68 (BC1.37)	•	√ **	-	-	-	-
	LL113	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	1	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	113	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
	D-H	68 (BC1.37)	-	√ *	-	-	-	-
	<u> </u>	70 (M36)	-	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-	-
	117.5	68 (BC1.37)	-	√ **	✓	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	118	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
Axle length/shell width (mm)								
width (mm)	XL118	68 (BC1.37)	-	√ **	√ *	-	-	-
	XL110	70 (M36) 73 mm	-	-	-	-	-	-
		68 (BC1.37)		-	-	-		-
	121		-	_	-	-	-	-
		70 (M36) 73				-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	126	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	√ **	√ **	-	√ *	√ *
	D-NL 122	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	√ *	-	-	-	-
		68 (BC1.37)	_	√ *	1	_	_	_
	D.EL 137						-	
	D-EL 12/	70 (M36) 73	-	-	-	-	-	-
	<u> </u>	73 (BC1.37)	-					
		(BC1.37)	-	1	√ ***	1	1	√ **
	LL123	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	✓	-	-	✓	-
	123SP	68 (BC1.37)	-	-	-	-	-	-
	130	68 (BC1.37)	-	-	-	_	-	-
		(BC1.37) erial	Steel	Steel	Steel	Steel	Steel	Steel
Spindle		ish	Painted (black)	Bonderlube	Bonderlube	Bonderlube	-	-
Left hand adapter	Mat	erial	Resin	Aluminum	Aluminum	Aluminum	Resin	Resin
		ish	-	-				- Desire (Steen)
Right hand adapter/ shell		erial	Steel Nickel Chrome	Aluminum/Steel	Aluminum/Steel	Aluminum/Steel -	Resin/Steel	Resin/Steel -
snell Finish Note		For FC-M521 only	* w/ Crank arm fixing screws spec. only ** w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. only ** w/ Crank arm fixing screws spec. is available *** w/ 0.7mm	-	* w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. i available ** w/ 0.7 mm space	



Cassette

Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	CS-LG700-11	CS-LG400-11	CS-LG400-10
Tv	rpe	LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear	speeds	11	11	10
	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination na	me (Group name)	11-45T, 11-50T	11-45T, 11-50T	11-39T, 11-43T, 11-48T
	1	11-13-15-17-20-23-26-30-34-39-45T	11-13-15-17-20-23-26-30-34-39-45T	11-13-15-17-20-23-26-30-34-39T
	2	11-13-15-17-20-23-26-30-36-43-50T	11-13-15-17-20-23-26-30-36-43-50T	11-13-15-17-20-23-26-30-36-43T
Camalala astana	3	-	-	11-13-15-17-20-23-28-34-41-48T
Combination * Titanium gear	4	-	-	-
maniani geai	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	√ *	√ *	√ *
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	1	-	-
arm	Finish	Painted	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel spider ann	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
i italiiulli gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Aluminum gear	Finish	-	-	-
Steel gear	QTY (pcs)	11	11	10
Jieer gear	Finish	Plated	Plated	Plated
Lock ring	Material	Aluminum	Steel	Steel
	Finish	Anodized	Plated	Plated
Average	weight (g)	609 (11-50T)	-	-
No	ote	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart

Se	ries	SHIMANO	SHIMANO	SHIMANO	
Model no.		CS-LG300-10	CS-LG400-9	CS-LG300-9	
Ty	/pe	LINKGLIDE	LINKGLIDE	LINKGLIDE	
Rear	speeds	10	9	9	
Compat	ible chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	
Combination na	me (Group name)	11-39T, 11-48T	11-36T, 11-41T, 11-46T	11-36T, 11-41T, 11-46T	
	1	11-13-15-17-20-23-26-30-34-39T	11-13-15-17-20-23-26-30-36T	11-13-15-17-20-23-26-30-36T	
	2	11-13-15-17-20-23-28-34-41-48T	11-13-15-17-20-23-28-34-41T	11-13-15-17-20-23-28-34-41T	
	3	-	11-13-15-17-20-23-28-36-46T	11-13-15-17-20-23-28-36-46T	
Combination * Titanium gear	4	-	-	-	
ritainain gear	5	-	-	-	
	6	-	-	-	
	7	-	-	-	
	MICRO SPLINE	-	-	-	
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	
	HG spline L (ROAD 12/11-speed)	-	-	-	
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	√ *	√ *	√ *	
	HG spline S (7-speed)	-	-	-	
Carbon spider arm	QTY (pcs)	-	-	-	
arbon spider arm	Finish	-	-	-	
Aluminum spider	QTY (pcs)	-	-	-	
arm	Finish	-	-	-	
Steel spider arm	QTY (pcs)	-	-	-	
Steer spider arm	Finish	-	-	-	
Titanium gear	QTY (pcs)	-	-	-	
manium gear	Finish	-	-	-	
Aluminum gear	QTY (pcs)	-	-	-	
Aluminum gear	Finish	-	-	-	
Steel gear	QTY (pcs)	10	9	9	
steer gear	Finish	MnPO4	Plated	MnPO4	
Lock ring	Material	Steel	Steel	Steel	
	Finish	MnPO4	Plated	MnPO4	
Average	weight (g)	-	-	-	
N	ote	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart	

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Cassette

Ser	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	CS-HG400-9	CS-HG51-8	CS-HG50-8
Ty	pe	HG	HG	HG
	peeds	9	8	8
Compati	ble chain	HG 9-speed	IG, HG 8/7/6-speed	HG 8/7/6-speed
Combination nar	ne (Group name)	11-25T (G),11-28T (bg), 11-32T (ar), 11-34T (au), 11-36T (cb), 12-36T (bh)	11-28T (bf), 11-30T (an), 11-32T (aw)	11-28T (bf), 11-30T (an), 11-32T (aw), 11-34T (Ca), 12-23T (U), 12-25T (W), 13-26T (V)
	1	11-12-13-15-17-19-21-23-25T (G)	11-13-15-17-19-21-24-28T (bf)	11-13-15-17-19-21-24-28T (bf)
	2	11-12-13-14-16-18-21-24-28T (bg)	11-13-15-17-20-23-26-30T (an)	11-13-15-17-20-23-26-30T (an)
	3	11-12-14-16-18-21-24-28-32T (ar)	11-13-15-18-21-24-28-32T (aw)	11-13-15-18-21-24-28-32T (aw)
Combination * Titanium gear	4	11-13-15-17-20-23-26-30-34T (au)	=	11-13-15-18-21-24-28-34T (Ca)
i italiialii geal	5	11-13-15-17-20-23-26-30-36T (cb)	-	12-13-14-15-17-19-21-23T (U)
	6	12-14-16-18-21-24-28-32-36T (bh)	=	12-13-15-17-19-21-23-25T (W)
	7	-	-	13-14-15-17-19-21-23-26T (V)
	MICRO SPLINE	-	=	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Culling to man	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider anni	Finish	-	-	-
Aluminum spider	QTY (pcs)	-	-	-
arm	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel spider anni	Finish	-	-	-
Titanium gear	QTY (pcs)	0	-	-
Titamum gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	0	-	-
Aluminum year	Finish	-	-	-
Steel gear	QTY (pcs)	9	8	8
Jieer year	Finish	Ni-Ni plated	Chrome plated	Nickel plated
Lock ring	Material	Steel	Steel	Steel
	Finish	Nickel plated	Chrome plated	Nickel plated
Average v		-	-	-
No.	ote			

Sei	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	CS-HG400-8	CS-HG41-8	CS-HG31-8
Tv	pe	HG	HG	HG
	peeds	8	8	8
	ble chain	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed
	me (Group name)	11-40T, 11-45T (NEW)	11-30T (an), 11-32T (aw), 11-34T (ao)	11-30T (an), 11-32T (aw), 11-34T (ao)
	1 1	11-13-15-18-22-27-33-40T	11-13-15-17-20-23-26-30T (an)	11-13-15-17-20-23-26-30T (an)
	2	11-13-15-18-22-27-35-45T	11-13-15-18-21-24-28-32T (aw)	11-13-15-18-21-24-28-32T (aw)
	3	-	11-13-15-17-20-23-26-34T (ao)	11-13-15-17-20-23-26-34T (ao)
Combination * Titanium gear	4	-	-	-
i italiiulii geal	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓	1
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider	QTY (pcs)	-	-	-
arm	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
steer spider arm	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
Titaliiulli geal	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Addition year	Finish	-	-	-
Steel gear	QTY (pcs)	8	8	8
steer gear	Finish	Nickel plated	Nickel plated	Phosphate coated
Lock ring	Material	Steel	Steel	Steel
,	Finish	Phosphate coated	Phosphate coated	Phosphate coated
	weight (g)	-	-	-
No	ote			



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Cassette

Series		SHIMANO	SHIMANO	SHIMANO
Mod	el no.	CS-HG200-8	CS-HG300-8	CS-HG400-7
Tv	pe	HG	HG	HG
Rear	speeds	8	8	7
Compati	ble chain	HG 8/7/6-speed	HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination na	me (Group name)	12-32T (br)	11-45T	11-28T (ac)
	1	12-14-16-18-21-24-28-32T (br)	11-13-15-18-22-27-35-45T	11-13-15-18-21-24-28T (ac)
	2	-	-	-
C	3	-	-	-
Combination * Titanium gear	4	-	-	-
maniani geai	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	1	1
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-
arm	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel Spider ann	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
i italiium gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Addininum gear	Finish	-	-	-
Steel gear	QTY (pcs)	8	8	7
Steel year	Finish	Painted	Phosphate coated	Nickel plated
Lock ring	Material	Steel	Steel	Steel
	Finish	Painted	Phosphate coated	Phosphate coated
Average	weight (g)	-	-	-
	ote			

Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	CS-HG41-7	CS-HG20-7	CS-HG210-7
T ₁	/pe	HG	HG	HG
Rear	speeds	7	7	7
	ible chain	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination na	me (Group name)	11-28T (ac)	12-28T (E)	12-28T (bm), 12-32T (bp)
	1	11-13-15-18-21-24-28T (ac)	12-14-16-18-21-24-28T (E)	12-14-16-18-21-24-28T (bm)
	2	-	-	12-14-16-18-21-26-32T (bp)
Combination *	3	-	-	-
Titanium gear	4	-	-	-
5	5	-	-	-
	6	<u>-</u>	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	✓
	HG spline S (7-speed)	✓	✓	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-
arm	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
steer spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
i italiiulii geal	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Alullillulli geal	Finish	-	-	-
Steel gear	QTY (pcs)	7	7	7
Jieer year	Finish	Nickel plated	Brown+Black	Painted
Lock ring	Material	Steel	Steel	Steel
	Finish	Phosphate coated	Phosphate coated	Painted
	weight (g)	-	-	-
N	ote			

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Se	ries	SHIMANO
Mod	el no.	CS-HG200-7
T	/pe	HG
	speeds	7
	ible chain	IG, HG 8/7/6-speed
Combination na	me (Group name)	12-28T (bm), 12-32T (bp)
	1	12-14-16-18-21-24-28T (bm)
	2	12-14-16-18-21-26-32T (bp)
C	3	•
Combination * Titanium gear	4	-
maniani geai	5	-
	6	-
	7	-
	MICRO SPLINE	-
	HG spline L2 (ROAD 12-speed dedicated)	-
	HG spline L (ROAD 12/11-speed)	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-
	HG spline S (7-speed)	✓
Carbon spider arm	QTY (pcs)	-
Carbon spider arm	Finish	-
Aluminum spider arm	QTY (pcs)	-
arm	Finish	•
Steel spider arm	QTY (pcs)	-
steer spider anni	Finish	-
Titanium gear	QTY (pcs)	-
Trainain gear	Finish	-
Aluminum gear	QTY (pcs)	-
Adminiani geai	Finish	-
Steel gear	QTY (pcs)	7
	Finish	Painted
Lock ring	Material	Steel
	Finish	Painted
	weight (g)	-
N ₁	ote	



Multiple Freewheel

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	MF-TZ500-7	1F-TZ500-7 MF-TZ510-7 MF-TZ500-6		MF-TZ510-6
Ту	pe	HG/UG	HG/UG HG/UG HG/UG		HG/UG
Rears	ar speeds 7 7 6		6	6	
Compati	ble chain	HG 8/7/6-speed	HG 8/7/6-speed HG 8/7/6-speed		HG 8/7/6-speed
Combination nar	me (Group name)	14-28T, 14-34T	14-28T, 14-34T	14-28T	14-28T
	1	14-16-18-20-22-24-2 8T	14-16-18-20-22-24-2 8T	14-16-18-21-24-28T	14-16-18-21-24-28T
Combination * Titanium gear	2	14-16-18-20-22-24-3 4T	14-16-18-20-22-24-3 4T	-	-
	3	-	-	-	-
	4	-	-	-	-
	5	-	-	-	-
Spider arm	QTY (pcs)	-	-	=	-
	w/ Spoke protector	1	1	✓	1
Spoke protector	w/o Spoke protector	1	1	1	1
Aluminun	n lock ring	-	-	-	-
Fin	ish	Brown+Black	Zinc plating+Black coated	Brown+Black	Zinc plating+Black coated
No	ote				

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Front Hub (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	HB-QB400	HB-QC400	HB-QC300	HB-TC500-12	HB-TC500-15	HB-TC500-15-B
	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	-	-	-
Color	2 Hub shell	-	Silver	-	-	-	-
	2 Quick release	-	Black	-	-	-	-
Brake	-	6-bolt disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D.	(mm)	100	100	100	100	100	110
	28H	-	-	1	✓	1	1
Spoke hole	32H	1	1	1	1	1	1
	36H	1	1	1	✓	1	1
External serration.	With	-	-	-	-	-	-
External serration disc brake rotor lock ring	Without	-	1	1	1	1	1
CENTER LOCK mo	unt cover option	1	1	1	-	-	-
Axle fixing method		Quick release	Quick release	Quick release	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU
Quick release	129	-	-	1	-	-	-
Quick release skewer length (mm)	133	1	1	1	-	-	-
	100 x 12	-	-	-	1	-	-
Tḥru axle (length x	100 x 15	-	-	-	-	1	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-	-	-	1
	110 x 20	-	-	-	-	-	-
Flange dist	ance (mm)	58.1	60.2	60.2	60.2	60.2	70.2
Offset	(mm)	5.3	5.3	5.3	5.3	5.3	5.3
P.C.D. left /	P.C.D. left / right (mm)		44/44	44/44	44/44	44/44	44/44
Flange diameter	left / right (mm)	70.6	52.8	52.8 (32H/36H), 53.8 (28H)	52.8	52.8	52.8
Se	Seal		Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	ease sleeve	-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
	Cup	-	-	-	-	-	-
Bearing •	Cone	-	-	-	-	-	-
	Cartridge	1	1	-	✓	1	1
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
nab sileli	Finish	Painted	Painted	Painted	Anodized	Anodized	Anodized
Axle	Material	Steel	Steel	Steel	-	-	-
Avie	Finish	-	-	-	-	-	-
Quick release lever	Material	Aluminum	Aluminum	Steel	-	-	-
Zuick icicase ievel	Finish	Plated	Plated	Plated	-	-	-
Quick release housing	Material	Steel	Steel	Steel	-	-	-
housing	Finish	Plated	Plated	Plated	-	-	-
Quick release nut	Material	Steel+Resin	Steel+Resin	Steel+Resin	-	-	-
Quick release flut	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
No	te						



Front Hub (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	НВ-ТХ505	HB-TX506	HB-RM35
	1 Hub shell	Black	Black	Black
Cala:	1 Quick release	Black	Black	Black
Color	2 Hub shell	-	-	-
	2 Quick release	-	-	-
Brake	type	CENTER LOCK disc brake	6-bolt disc brake	CENTER LOCK disc brake
O.L.D. (mm)		100	100	100
	28H	1	-	1
Spoke hole	32H	1	✓	1
	36H	1	1	1
External serration disc brake rotor lock ring	With	-	-	-
ring	Without	✓	-	1
CENTER LOCK mo	unt cover option	-	-	-
Axle fixin	g method	Quick release	Quick release	Quick release
Ouick release	129	1	-	-
Quick release skewer length (mm)	133	1	1	1
	100 x 12	-	-	-
Thru axle (length x	100 x 15	-	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-
	110 x 20	-	-	-
Flange distance (mm)		60.2	58.1	60.2
Offset (mm)		5.3	5.3	5.5
P.C.D. left / right (mm)		44/44	61/61	44/44
Flange diameter	Flange diameter left / right (mm)		70.6	52.8
Se	al	Contact	Contact	Contact
Internal gre	ease sleeve	-	-	-
	Stainless ball	-	-	-
B. and an	Cup	-	-	-
Bearing	Cone	-	-	-
	Cartridge	-	-	-
Hede deall	Material	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted
Avia	Material	Steel	Steel	Steel
Axle	Finish	-	-	-
Outale male l	Material	Steel	Steel	Steel
Quick release lever	Finish	Plated	Plated	Plated
Quick release	Material	Steel	Steel	Steel
housing	Finish	Plated	Plated	Plated
Out-the Line	Material	Steel+Resin	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-	-
Disc brake rotor lock	Material	-	-	-
ring	Finish	-	-	-
No	rte	-	-	-

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SVV

Front Hub (Rim Brake)

Ser	ries	SHIMANO	SHIMANO	SHIMANO	TOURNEY A070
Mode	el no.	HB-NN300	HB-TX500-QR	HB-TX500-NT	HB-RM40
	1 Hub shell	Black	Black	Black	Black
Calan	1 Quick release	-	Black	Black	Black
Color	2 Hub shell	-	Silver	Silver	Silver
	2 Quick release	-	Black	Black	Black
Brake	type	Rim brake	Rim brake	Rim brake	Rim brake
O.L.D.	(mm)	100	100	100	100
	28H	-	-	-	-
Spoke hole	32H	1	1	1	1
	36H	1	1	1	1
External serration	With	-	-	-	-
External serration disc brake rotor lock ring	Without	✓	1	1	1
CENTER LOCK mo	ount cover option	-	-	-	-
Axle fixin	Axle fixing method		Quick release	Nut	Quick release
Quick rologeo	129	-	1	-	1
Quick release skewer length (mm)	133	-	1	-	1
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-
	110 x 15	-	-	-	-
mm)	110 x 20	-	-	-	-
Flange distance (mm)		71.6	71.6	71.6	71.6
Offset (mm)		0	0	0	0
P.C.D. left /	right (mm)	38	38/38	38/38	38
Flange diar	neter (mm)	46	46	46	46
Se	eal	Contact	-	-	-
Internal gr	ease sleeve	-	-	-	-
	Stainless ball	-	-	-	-
Bearing	Cup	-	-	-	-
	Cone	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted (black)/Clear	Painted (black)/Clear	Anodized
Aut-	Material	Steel	Steel	Steel	Steel
Axle	Finish	-	-	-	-
Outals malasses less	Material	-	Steel	-	Steel
Quick release lever	Finish	-	Plated	-	Plated
Ouick release	Material	-	Steel	-	Steel
Quick release housing	Finish	-	Plated	-	Plated
Out down by a second	Material	-	Steel+Resin	-	Resin
Quick release nut	Finish	-	-	-	Black
No	ote				

LIFESTYLE Active

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FH

FREEHUB (Disc Brake)

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FH-QC500-MS	FH-QC500-MS-B	FH-QB400-HM	FH-QC400-HM	FH-QC400-HM-B	FH-QC300-HM
	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	Black	Black
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Proko		CENTER LOCK disc	CENTER LOCK disc	6-bolt disc brake	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK dis
	type	brake	brake		brake	brake	brake
Rear s		12	12	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7
O.L.D.		135	141	135	135	141	135
	24H	-	-	-	-	-	-
Spoke hole	28H	1	1	-	-	-	-
Spone noic	32H	√	1	✓	✓	1	✓
	36H	1	1	✓	✓	✓	✓
10 tooth cog	compatible	1	1	-	-	-	-
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	✓	✓	✓	✓
Internal serration	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	1	1	1	1	1	1
CENTER LOCK mo	ount cover option	-	-	-	1	-	1
Axle fixin		Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
	166	-	-	-	-	-	√
	168	1	-	1	1	-	-
	170	-	-	-	-	-	1
Outals as leave	172	-	-		-	-	
Quick release skewer length (mm)	173	1	-	1	1	-	
- '	174	-	1	-	-	1	-
	176	-	-	-	-	-	-
	178	-	-	_	-	-	-
			-				
	135 x 10	-	-	-	-	-	-
Th	135 x 12	-	-	-	-	-	
Thru axle (length x inner diameter ; mm)	142 x 12	-	-	-	-	-	-
	148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange dist		55.45	61.45	54.5	55.45	61.45	55.45
Offset		7.6	7.6	6.1	7.6	7.6	7.6
P.C.D. left /		50.5/51.5	50.5/51.5	61.7/61.7	45/45	45	45/45
Flange diameter		59.3/60.3	59.3/60.3	70.6/70.6	53.8/53.8	53.8	53.8
	MICRO SPLINE	✓	1	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spilite type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	1	✓	✓	1
	HG spline S (7-speed)	_	_	_	_	_	_
		David a 1 L 1	David and Lot	David and Lot	Developed 1	David and Lot	David at Lat
Engagem		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng					-	-	
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	Contact	-	-	-	-
Internal gre		-	-	-	-	-	-
Digital adjust		-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
··y	Cone	-	-	-	-	-	-
	Cartridge	✓	1	1	1	1	-
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
-="	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	=	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel
Quick release lever	Finish	Painted	Painted	Plated	Plated	Plated	Plated
	Color	Black	Black	Black	Black	Black	Black
Quick release	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Plated	Plated	Plated	Plated
Quick release housing	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
				_	-	-	-
Quick release nut	Finish	-	-				
Quick release nut		-	-	-	-	-	-
	Finish Material Finish			- -			

FREEHUB (Disc Brake)

	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	l no.	FH-TC600-HM-B	FH-TC600-MS-B	FH-TC500-HL	FH-TC500-HM	FH-TC500-HM-B	FH-TC500-MS
	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	-	-	-	-	-	-
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Brake	tyne	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
		brake	brake	brake	brake	brake	brake
Rear s		11/10/9/8/7	12	12/11 142	11/10/9/8/7	11/10/9/8/7	12
O.L.D.		148	148	- 142	142	148	142
}	24H 28H	- ·	-	· ·	-	1	- -
Spoke hole			√	<i>y</i>	√	-	1
-	32H	1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	1	· ·
40.45.46.55.5	36H	1	1	-	1	✓	1
10 tooth cog	•	-	1	-	-	-	1
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	1	√	1	1	✓	✓
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	1	✓	1	✓
CENTER LOCK mo		-	-	-	-	-	-
Axle fixing		12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU
ļ	166	-	-	-	-	-	-
ļ	168	-	-	-	-	-	-
ļ	170	-	-	-	-	-	-
Quick release skewer length (mm)	172	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	-	-	-
ļ	174	-	-	-	-	-	-
	176	-	-	-	-	-	-
	178	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	1	✓	-	1
mm)	148 x 12	✓	✓	-	-	1	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange dist		61.1	61.1	55.45	55.45	61.45	55.45
Offset		7.19	7.19	7.6	7.6	7.6	7.6
P.C.D. left /		60/61	60/61	50.5/51.5	50.5/51.5	50.5/51.5	50.5/51.5
Flange diameter		68.8/69.8	68.8/69.8	59.3/60.3	59.3/60.3	59.3/60.3	59.3/60.3
	MICRO SPLINE	-	✓	-	-	-	✓
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
ŀ							
Spline type	HG spline L (ROAD 12/11-speed)	-	-	✓	-	-	-
Spinic type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	-	-	✓	✓	-
•							
	HG spline S (7-speed)	-			-	-	
Engagem	ent type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng	agement	√ (36 times/360 deg.)	√ (36 times/360 deg.)	-	-	-	-
		ucg.,	acg.,				
	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth & Contact	Labyrinth+Contact	Labvrinth+Contact	Labyrinth+Contact
Seal	Hub FREEHUB body	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth & Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact	Labyrinth+Contact Contact
	FREEHUB body					-	Labyrinth+Contact Contact -
Seal Internal gre Digital adjust	FREEHUB body ease sleeve	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre	FREEHUB body ease sleeve	Contact -	Contact -	Contact -	Contact -	Contact -	Contact -
Internal gre Digital adjust	FREEHUB body ease sleeve ment system	Contact - -	Contact - -	Contact - -	Contact - -	Contact - -	Contact - -
Internal gre	FREEHUB body ease sleeve ment system Stainless ball	Contact - - -	Contact - - -	Contact - -	Contact - - -	Contact - - -	Contact - - -
Internal gre Digital adjust	FREEHUB body ease sleeve ment system Stainless ball Cup	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre Digital adjust Bearing	FREEHUB body ease sleeve ment system Stainless ball Cup Cone	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre Digital adjust	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre Digital adjust Bearing FREEHUB body	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material	Contact Steel	Contact Steel	Contact Steel	Contact Steel	Contact Steel	Contact Steel
Internal gre Digital adjust Bearing	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish	Contact Steel -	Contact Steel -	Contact Steel	Contact Steel -	Contact Steel	Contact Steel -
Internal gre Digital adjust Bearing FREEHUB body Hub shell	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material	Contact Steel - Aluminum	Contact Steel - Aluminum	Contact Steel - Aluminum	Contact Steel - Aluminum	Contact Steel - Aluminum	Contact Steel - Aluminum
Internal gre Digital adjust Bearing FREEHUB body	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish	Contact	Contact	Contact Steel - Aluminum Anodized	Contact	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized
Internal gre Digital adjust Bearing FREEHUB body Hub shell	FREEHUB body vase sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Material	Contact Steel Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell	FREEHUB body asse sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle	FREEHUB body pase sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Material Finish Material	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle Quick release lever	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Color	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle Quick release lever Quick release housing	FREEHUB body vase sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle Quick release lever	FREEHUB body asse sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel Aluminum Anodized Steel	Contact Steel Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	FREEHUB body pase sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel
Internal gre Digital adjust Bearing FREEHUB body Hub shell Axle Quick release lever Quick release housing	FREEHUB body asse sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Aluminum	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel	Contact Steel - Aluminum Anodized Steel

LIFESTYLE Active

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FH

FREEHUB (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		FH-TC500-MS-B	FH-UR600	FH-RM35	FH-TX505-8	FH-TX506	FH-TY505-7
IVIOUE	1 Hub shell	Black	Black	Black	Black	Black	Black
1	1 Quick release	Black -	Black	Black	Black	Black	Black
Color	2 Hub shell		-	- DidCK	- DidCk	-	- DidCK
	2 Quick release			_	_		_
		CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc		CENTER LOCK disc
Brake	type	brake	brake	brake	brake	6-bolt disc brake	brake
Rear s	peeds	12	11/10 *	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	7
O.L.D.	(mm)	148	135	135	135	135	135
	24H	-	-	-	-	-	-
Spoke hole	28H	✓	-	√ *	-	-	-
Spoke Hole	32H	✓	✓	✓	✓	✓	✓
	36H	✓	✓	✓	✓	✓	✓
10 tooth cog	compatible	✓	-	-	-	-	-
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	✓	✓	-	✓
"Internal serration	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	1	1	1	1	-	1
CENTER LOCK mo	unt cover option	-	1	-	-	-	-
Axle fixin		12 mm E-THRU	Quick release	Quick release	Quick release	Quick release	Quick release
	166	-	-	1	1	√	✓
İ	168	-	1	-	-	-	-
ŀ	170	-	-	1	1	1	1
Ouick rolosso	172	-	_	-	-	-	-
Quick release skewer length (mm)	173	-	1	-	-	-	-
- '	174	-	-	-	-	-	-
ŀ	176	-	_	-	-	<u> </u>	-
ŀ	178	-	-	-	-	-	-
	135 x 10	<u> </u>	-	-	-		_
ŀ	135 x 12	-	-	_	-		-
Thru avia (length v	142 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	148 x 12	1	-	-	-	-	-
	150 x 12		-		<u>-</u>	<u> </u>	-
1		-	-	-	-	-	-
Elango dist	157 x 12						59.5
Flange dist		61.45	55.7	57.4	57.4	56	
Offset P.C.D. left /		7.6 50.5/51.5	7.45 44.6/44.6	6.6 45/45	6.6 45/45	6.1	5.6 45/45
	· · · · · · · · · · · · · · · · · · ·	59.3/60.3	53.5/53.8	53.8		70.6	53.8
Flange diameter	MICRO SPLINE	59.3/6U.3 √	-		53.8	- 70.6	
1		J	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
l	HG spline L (ROAD	-	1	_	_	_	_
Spline type	12/11-speed)		•				
	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	-	-	✓	✓	✓	-
l	HG spline S	-	_	_	_	_	1
	(7-speed)		Devel metal in	Devel metal :	David metal of	David activity	
Engagem		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng	, ,	Laboratorate Control	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Contact	Contact	Contact	Contact	-
14	FREEHUB body	Contact	Contact	-	-	-	-
Internal gre		-	√	-	-	-	-
Digital adjust		-	-	-	-	-	-
	Stainless ball	-	- Delieb	-	-	-	-
Bearing	Cup	-	Polish	-	-	-	-
·	Cone	-	CBN	-	-	-	-
	Cartridge	√	- Charl	- Charl	- CtI	- Charl	- Ct I
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	-	- Charl	- CtI	- Charl	- Ct I
	Material	-	Aluminum	Steel	Steel	Steel	Steel
Quick release lever	Finish	-	Anodized	Plated	Plated	Plated	Plated
	Color	-	-	-	-	-	
Quick release housing	Material	-	Aluminum	Steel	Steel	Steel	Steel
nousing	Finish	-	Anodized	Plated	Plated	Plated	Plated
	Material	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Ouick release nut	Finish	-	Black	-	-	-	-
Quick release nut							
-	Material	-	-	-	-	-	-
Quick release nut Disc brake rotor lock ring		-		- - * 166 mm Quick	-	-	-

FREEHUB (Rim Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FH-NN300-HM	FH-TX500-8-QR	FH-TX500-8-NT	FH-TY500-7-QR(135)	FH-TY500-7-QR(130)	FH-TY500-7-NT(135)
	1 Hub shell	Black	Black	Black	Black	Black	Black
6.1	1 Quick release	-	Black	Black	Black	Black	-
Color	2 Hub shell	-	Silver	Silver	-	-	-
	2 Quick release	-	Black	Black	-	-	-
Brake	type	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Rear s	peeds	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	7	7	7
O.L.D.	(mm)	135	135	135	135	130	135
	28H	-	-	-	-	-	-
Spoke hole	32H	✓	1	1	1	1	1
	36H	✓	1	1	1	√	√
10 tooth cog		-	-	-	-		-
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	1	√	1	✓
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	1	1	1	1	1
CENTER LOCK mo	•	-		-			-
Axle fixin		Nut	Quick release	Nut	Quick release	Quick release	Nut
	161	-	-	-	-	✓	-
Quick release	166	-	1	-	✓	-	-
Quick release skewer length (mm)	168	-	-	-	-	-	-
	170	-	1	-	1	-	-
	173	-	-	-	-	-	-
	135 x 10 135 x 12	-	-	-	-	-	-
Thru axle (length x		-	-	-	-	-	-
inner diameter ; mm)	142 x 12 148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	
Flange dist		55.45	57.4	57.4	57.4	57.4	57.4
Flange distance (mm) Offset (mm)		7.6	6.8	6.8	4.6	7.1	4.6
P.C.D. left /		45	45	45	45	45	45
Flange diameter		53.8	53.8	53.8	53.8	53.8	53.8
J	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	_	_	_	-
•	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	1	1	1	-	-	-
	HG spline S (7-speed)	-	_	-	1	1	✓
Quick eng		-	-	_	-		-
	Hub	Contact	-	-	-	-	-
Seal	FREEHUB body	-	-	-	-	-	-
Internal gre	•	-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
	Cone	-	-	-	-	-	-
EDECUID For	Material	Steel	Steel	Steel	Steel	Steel	Steel
FREEHUB body	Finish	<u>-</u>	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
riub Sileli	Finish	Painted	Painted (black)/Clear	Painted (black)/Clear	Painted (black)	Painted (black)	Painted (black)
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
ANIC	Finish	-	-	-	-	-	-
Ouick release lever	Material	-	Steel	-	Steel	Steel	-
•••	Finish	-	Plated	-	Plated	Plated	-
Quick release housing	Material	-	Steel	-	Steel	Steel	-
nousing	Finish	-	Plated	-	Painted	Painted	-
Quick release nut	Material	-	Steel+Resin	-	Steel+Resin	Steel+Resin	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
	Finish	-	-	-			
No	te				O.L.D. 130 mm available	O.L.D. 135 mm available	O.L.D. 130 mm available

LIFESTYLE Active

FREEHUB (Rim Brake)

Color	SHIMANO FH-TY500-7-NT(130) Black Rim brake 7 130 Nut
Color	Black Rim brake 7 130 Nut
1 Quick release 2 Hub shell 2 Quick release 2 Hub shell 2 Quick release 3 Hub shell 3 Quick release 4 Hub shell 2 Quick release 5 Quick release 32H 36H 32H 36H - Rim brake 7 130	
Spoke hole	- Rim brake 7 130
2 Quick release Brake type	- Rim brake 7 130
Brake type Rear speeds Rear speeds O.L.D. (mm) 28H 32H 36H 32H 36H 10 tooth cog compatible External serration disc brake rotor lock ring	7 130 Nut
Rear speeds	7 130 Nut
O.L.D. (mm) 28H 32H 32H 36H 32H 36H 36H 36H 36H 30H 36H 30H 36H 30H 36H 30H -	
Spoke hole	-
Spoke hole 32H 36H	
Seal Seal	- V - V - V - V - V - V - V - V - V - V
Seal External serration With Without	- Nut
Mithout	- Nut
Tring Without	- Nut
CENTER LOCK mount cover option	- Nut
CENTER LOCK mount cover option	- Nut
Axle fixing method Quick release skewer length (mm) 161 166 168 170 173 135 x 10 135 x 12 148 x 12 148 x 12 150 x 12 Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Spline L2 (ROA 12:11-speed) HG spline L2 (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline L (ROA 12:11-speed) HG spline S (7-speed) HG spline S (7-speed) HG spline S (7-speed) HG spline S (7-speed) FREEHUB body	- - - - - - - - - - - - - - - - - - -
161	- - - - - - - - - - - - - - - - - - -
166	- - - - - - 57.4
Seal Cuick release 168 170 173 175	- - - - - - 57.4
170	- - - - - - 57.4
170	- - - - - - 57.4
Thru axle (length x inner diameter; mm) Thru axle (length x inner diameter; mm) 135 x 12 142 x 12 148 x 12 150 x 12 Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) HG Spline L2 (ROA 12-11-5-peed) Flange diameter left / right (mm) HG spline L2 (ROA 12-11-5-peed) Flange diameter left / right (mm) HG spline L2 (ROA 12-11-5-peed) Flange diameter left / right (mm) HG spline Sch-HG400/HG2-II	- - - - - - 57.4
Thru axle (length x inner diameter; mm) Thru axle (length x inner diameter; mm) Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) HG spline L2 (ROA 12/11-speed) Flange diameter left / right (mm) HG spline L2 (ROA 12/11-speed) Flange diameter left / right (mm) HG spline S (C5-HG400/HG2/1) HG spline S (7-speed) Quick engagement Hub FREEHUB body	57.4
142 x 12 148 x 12 150 x 12	57.4
Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) MICRO SPLINE HG spline 12 (ROA 12-speed dedicate HG spline I (ROA 12/11-speed) Flange diameter left / right (mm) Graphic I (ROA 12/11-speed) HG spline I (ROA 12/11-speed) HG spline I (ROA 12/11-speed) HG spline I (ROA 12/11-speed) HG spline S (7-speed) Geld HG spline S (7-speed) Quick engagement Hub FREEHUB body	57.4
Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) MICRO SPLINE HG spline 12 (ROA 12-speed dedicate HG spline I (ROA 12/11-speed) Flange diameter left / right (mm) Graphic I (ROA 12/11-speed) HG spline I (ROA 12/11-speed) HG spline S (7-speed) GS-HG400/HG2-II HG spline S (7-speed) Quick engagement Seal Hub FREEHUB body	57.4
Flange distance (mm) Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) MICRO SPLINE HG spline 12 (RO/ 12-speed dedicate HG spline 1, (RO/ 12/11-speed) HG spline M (10/ 8-speed, MTB 11-speed, 7-spee CS-HG400/HG21 HG spline S (7-speed) Quick engagement Seal Hub FREEHUB body	57.4
Offset (mm) P.C.D. left / right (mm) Flange diameter left / right (mm) Flange diameter left / right (mm) MICRO SPLINE HG spline 12 (ROA 12-speed dedicate HG spline L (ROA 12/11-speed) HG spline M (10/ 8-speed, MTB 11-speed, 7-spee CS-HG400/HG21 HG spline S (7-speed) Quick engagement Seal Hub FREEHUB body	_
P.C.D. left / right (mm) Flange diameter left / right (mm) MICRO SPINE HG spline 12 (RQA 12-11-speed) Spline type HG spline N (10/ 8-speed, MTB 11-speed, MTB 11-speed, MTB (7-speed) Quick engagement Seal Hub FREEHUB body	1.1
Flange diameter left / right (mm) MICRO SPLINE HG spline 12 (RO/ 12-speed dedicate HG_spline L (RO/ 12/11-speed) HG spline M 10/ 8-speed, MTB 11-speed, MTB 11-speed, MTB 12-speed, MTB 13-speed, MTB 14-speed, MTB 15-speed, MTB 16-spline S 17-speed) Quick engagement Hub FREEHUB body	
MICRO SPLINE HG spline 12 (RO/ 12-speed dedicate HG spline L (RO/ 12/11-speed) HG spline M (10/ 8-speed, M1B 11-speed, M1B 11-speed, M1B 11-speed, M1B HG spline S (7-speed) Quick engagement Hub FREEHUB body	45 53.8
Spline type HG spline L (ROA12-speed dedicate HG spline L (ROA12/11-speed) HG spline M (10/8-speed, MTB 11-speed,	55.8
Spline type HG spline L (RQA 12/11-speed) HS spline M (10) 8-speed, MTB 11-speed, 7-speed, 7-speed, 7-speed, 7-speed, 7-speed, 7-speed) Quick engagement Seal HG spline S (7-speed) H-spline S (7-speed) FREEHUB body	<u> </u>
Spline type HG spline M (10/ 8-speed, MTB 11-speed, 7-spee CS-HG400/HG21i HG spline S (7-speed) Quick engagement Hub FREEHUB body	
Spline type HG spline M (10/ 8-speed, MTB 11-speed, 7-spee CS-HG400/HG21i HG spline S (7-speed) Quick engagement Hub FREEHUB body	D _
HG spline S (7-speed) Quick engagement Hub FREEHUB body	
HG spline S (7-speed) Quick engagement Hub FREEHUB body	g -
Quick engagement Hub FREEHUB body	1
Seal Hub FREEHUB body	•
Seal FREEHUB body	
	-
	-
Stainless ball	-
Bearing Cup	-
Cone	-
Material	Steel
FREEHUB body Finish	-
Material	Aluminum
Hub shell Finish	Painted (black)
Material	Steel
Axle Finish	-
Quick release lever Material	-
Finish	-
Quick release Material	
housing Finish	-
Quick release nut Material	-
Finish	
Disc brake rotor lock Material Finish	-
ring Finish	-
Note	

BL
BL
ST
ST
ST
RD
FD
BR
BL
FC
BB
BB
CS
MF
HB

FH

231

Shift Switch

Sei	SHIMANO		
Mode	el no.		SW-EN605-R
Switch	h type		Fixed button position
Posi	tion		Clamp band
Di2 connectivity wired	Di2 sł	nifting	-
Di2 connectivity wireless	Di2 sł	nifting	✓
Button nui	nbers (pcs)		3
Maste	er unit		-
Firmware update b	-		
SD50 pc	0		
SD300 p	0		
SD50 conn	0		
SD300 coni	0		
	Default function		RD outward
	Multiple	2 step	-
Switch1	Multiple input	Hold	1
	Adjusta pos	ble lever ition	-
	Default	function	RD inward
	Multiple	2 step	-
Switch2	Multiple input	Hold	1
	Adjusta pos	ble lever ition	-
	Default	function	Shifting mode
Switch3	Multiple	2 step	-
	Multiple input	Hold	1
Suspensi	on switch		-
Bat	tery		CR1632 x 2
LED	Shimano sta	system tus	1
Average v	weight (g)		
No	ote		-

LIFESTYLE Active

Rear Derailleur

Se	ries		CUES	CUES	CUES	CUES
Mod	el no.		RD-U8050-SGS	RD-U8050-GS	RD-U6070	RD-U6050
Color		1	Series color	Series color	Series color	Series color
Rears	peeds SHIMANO	SHADOW	11/10	10	11	10
RD construction	SHIMANO	SHADOW D+ e servo	1	1	1	1
KD Construction	RI	D+	-	-	-	-
		Direct attachm			-	-
	SHIMAN O MTB	ent (convent	✓	✓	✓	✓
	type	ional) Direct mount	-	-	-	-
Applicable derailleur hanger		Direct attachm				
	SHIMAN O ROAD	ent (convent ional)	-	-	-	-
	type	Direct mount	-	-	-	-
14	UDH st	andard	√	√	√	√
Total c	apacity		Single 391	Single 32T	Single 391	Single 32T
Low sprocket	M. M.		50T 45T	43T 43T	50T 50T	43T 43T
Top sprocket	M:	in	11T 11T	11T 11T	11T 11T	11T 11T
Fluoric coated	l link bushir	ngs pulley	2	2	2	2
	ı bea	ring 1 pulley	-	-	-	-
Pulley	bea Te	ring eth	11T	- 11T		- 11T
	Screws	material ype pulley ew	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Bracket	Mat	erial	√ Steel	√ Steel	✓ Steel	Steel
Bracket	l Fin	nish w axle	Painted ✓	Painted ✓	Painted 🗸	Painted ✓
B-axle	Mat Fin	erial ish	Stainless steel Painted	Stainless steel Painted	Stainless steel Painted	Stainless steel Painted
B-axle 2	Hollo	w axle erial	- Aluminum	Aluminum	Stainless steel	Stainless steel
	l Fin	ish erial	Anodized Aluminum	Anodized Aluminum	Painted Aluminum	Painted Aluminum
Bracket body	Fin	ish	Painted	Painted	Painted	Painted
P-axle	Fin	erial ish	Steel Plated	Steel Plated PA+GF	Steel Plated	Steel Plated PA+GF
Plate body	l Fin	erial iish	PA+GF	-	PA+GF	-
Outer link	Mat Fin	ish	PA+GF Painted	PA+GF Painted	PA+GF Painted	PA+GF Painted
Inner link		erial iish	Steel Painted	Steel Painted	Steel Painted	Steel Painted
Outer plate	Mat	erial iish	Aluminum Painted	Aluminum Painted	Steel	Steel Painted
Inner plate	Mat	erial iish	Aluminum Painted	Aluminum Painted	Painted Steel Painted	Steel Painted
Stroke adjusting screw	Mat	erial nish	Steel Plated	Steel Plated	Steel Plated	Steel Plated
Di2 connectivity wired		nifting	√	√	√	√
Wilcu	Di2 sh	nifting Cycling	✓	1	-	-
	Bluetoot h® LE	power Bicycle	-	-	-	-
	ANT+	Adjust	-	-	-	-
		móde informat	✓	✓	-	-
		Di2	1	1		
		battery level Gear			-	-
	Bluetoot	Gear position SHIMAN O E-BIKE	✓	√	-	-
	Bluetoot h® LE custom	I SYSIEW I	-	-	_	-
	(*1)	S data items (*3)				
Di2 connectivity wireless		Compati ble with	,	,		
vvii eiess		Compati ble with E-TUBE RIDE	√	√	-	-
		Compati ble with E-TUBE	*	1	_	-
		PROJECT Adjust				
		mode informat	✓	✓	-	-
		ion Di2				
	ANT	battery level	✓	✓	-	-
	private (*2)	Gear position	✓	✓	-	-
		SHIMAN O E-BIKE				
		Stata	-	-	-	-
Firmware update	V F-TURE D	'(*3)° ROJECT	1	1	1	J
2D20 b	ort (pcs)		0	0	0	0
SD300 p	ector (pcs)		0	0	0	0
LED for sys	nector (pcs) stem status		0 ✓	0 ✓	0 ✓	0 √
Chargin	ng port ng cable		-	-	-	-
Note *1 Compatible	weight (g) with a Blue	etooth LE	-	-	454	449
not freely open pro	marτpnone. ofile. *2 Cor	npatible	* Compatible with EW-PS300	* Compatible with		
with ANT+ cycle con open profile. *3 Will connected to SHIMA	be shown o	only when	EW-PS300	* Compatible with EW-PS300		
connected to SHIMA bi	ke.	J / J / LIVIJ				

BL

ST

ST

ST

RD

FC BB

ВВ

BR

CS MF HB

НВ

FH

SW RD



LIFESTYLE Comfort

<Di2 spec.>

	Page
Internal Geared Hub	236 sg
Chain Tensioner	241 ст
Sprocket	242 cs
Shifter	243 SL
Brake Lever (Hydraulic Disc Brake)	247 BL
Brake Lever	248 BL
Brake (Hydraulic Disc Brake)	249 BR
Brake (Roller Brake)	250 RB
Crankset	252 FC
Front Hub (Roller Brake)	253 нв
FREEHUB (Roller Brake)	254 гн
FREEHUB (Band Brake)	255 FH
Head Parts	255 HP
Internal Geared Hub	256 sg
Motor Unit	257 MU

Internal Geared Hub

Ser	ies	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Mode	el no.	SG-S7001-11	SG-S7001-8	SG-C7002-5CD	SG-C7000-5V	SG-C7000-5R	SG-C7000-5C
Function name		INTER-11	INTER-8	INTER-5E	INTER-5E	INTER-5E	INTER-5E
	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	CENTER LOCK disc brake	Coaster brake, Special disc brake mount for SM-RTC60	V-BRAKE	INTER-M	Coaster brake
Diane type	Recommended model	-	BR-S7000	BR-M6100, BR- MT420	-	BR-C6000, BR-C3010, BR-C3000	-
Rear s	peeds	11	8	5	5	5	5
	Total	409%	307%	263%	263%	263%	263%
	1	0.527	0.527	1	1	1	1
	2	0.681	0.644	1.277	1.277	1.277	1.277
	3	0.770	0.748	1.622	1.622	1.622	1.622
	4	0.878	0.851	2.07	2.07	2.07	2.07
Gear ratio	5	0.995	1	2.63	2.63	2.63	2.63
Geal TallO	6	1.134	1.223	-	-	-	-
	7	1.292	1.419	-	-	-	-
	8	1.462	1.615	-	-	-	-
	9	1.667	-	-	-	-	-
	10	1.888	-	-	-	-	-
	11	2.153	-	-	-	-	-
Shifting s	Shifting structure		Top-normal	Top-normal	Top-normal	Top-normal	Top-normal
Silent	Silent clutch		1	1	✓	1	1
Gear change sup	Gear change support mechanism		1	1	✓	1	✓
Shifting POWE	R MODULATOR	1	1	1	✓	1	✓
Driving e	fficiency	High	High	HIGH	High	High	High
w/ Left han	nd dust cap	-	-	-	1	-	-
O.L.D.	(mm)	135	135	135	135	135	135
Spoke	e size	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
	28H	-	-	-	-	-	-
	32H	1	1	1	1	1	1
Spoke hole	36H	1	1	1	1	1	1
	Others	-	-	-	-	-	-
	182	-	-	-	-	-	-
	184	-	-	-	-	-	-
Axle length (mm)	187	1	1	1	✓	1	✓
	193	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Flange distance (mm)		57.3	57.3	58.3	58.3	58.3	58.3
Flange dian	neter (mm)	104.3	104.3	105.2	105.2	105.2	105.2
	Right	3.2	3.2	3.2	3.2	3.2	3.2
Flange width (mm)	Left	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		3.2	3.2	3.7	3.2	3.2	3.7
P.C.D. left /		92.6	92.6	92.6	92.6	92.6	92.6
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Average v		1665	1670	2010	1670	1670	1970
	rte	-	-		-	-	-

LIFESTYLE Comfort

Internal Geared Hub

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no. Function name		SG-C7000-5D	SG-C6011-8V	SG-C6011-8R	SG-C6001-8V	SG-C6001-8R	SG-C6001-8C
		INTER-5E	INTER-8	INTER-8	INTER-8	INTER-8	INTER-8
	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	V-BRAKE	INTER-M	V-BRAKE	INTER-M	Coaster brake
Draile type	Recommended model	-	-	BR-C6000, BR-C3010, BR-C3000	-	BR-C6000, BR-C3010, BR-C3000	-
Rear s	peeds	5	8	8	8	8	8
	Total	263%	307%	307%	307%	307%	307%
	1	1	0.527	0.527	0.527	0.527	0.527
	2	1.277	0.644	0.644	0.644	0.644	0.644
	3	1.622	0.748	0.748	0.748	0.748	0.748
	4	2.07	0.851	0.851	0.851	0.851	0.851
_	5	2.63	1	1	1	1	1
Gear ratio	6	-	1.223	1.223	1.223	1.223	1.223
	7	-	1.419	1.419	1.419	1.419	1.419
	8	-	1.615	1.615	1.615	1.615	1.615
	9	_	-	_	-	_	-
	10	-		_		_	<u>-</u>
	11	_		_	-	_	_
Shifting s		Top-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent		·					
		1	· ·	1	· ·	1	√
Gear change sup		/	· ·	1	· ·	1	√
Shifting POWEI		1	√	1	√	1	✓
Driving e		High	High	High	Standard	Standard	Standard
w/ Left han	d dust cap	-	√	-	✓	-	-
O.L.D.	(mm)	135	132	132	132	132	132
Spoke	size	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
ļ	28H	-	-	-	-	-	-
Spoke hole	32H	1	✓	1	✓	1	✓
Spoke note	36H	✓	✓	1	✓	✓	✓
	Others	-	-	40H	-	40H	-
	182	-	-	-	-	-	-
	184	-	1	1	1	1	✓
Axle length (mm)	187	1	-	-	-	-	-
	193	-	-	-	-	-	-
	Others	-	-	-	203	203	-
Flange distance (mm)		57.3	58.3	58.3	58.3	58.3	58.3
Flange diameter (mm)		105.2	105.2	105.2	105.2	105.2	105.2
	Right	3.2	3.2	3.2	3.2	3.2	3.2
lange width (mm)	Left	3.2	3.2	3.2	3.2	3.2	3.2
Offset		3.2	2.7	2.7	2.7	2.7	2.55
		92.6	92.6	92.6	92.6	92.6	92.6
P.C.D. left /							
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Average v		1650	1685	1660	1735	1710	2040
No	TE		_	i	_	1 - 1	_

SG

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Internal Geared Hub

Ser	ies	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	el no.	SG-C6001-8D	SG-C6001-8CD	SG-C3001-7R	SG-C3001-7C	SG-C3001-7C-DX	SG-C3001-7D
Function name		INTER-8	INTER-8	INTER-7	INTER-7	INTER-7	INTER-7
	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	Coaster brake, Special disc brake mount for SM-RTC60	INTER-M	Coaster brake	Coaster brake	CENTER LOCK disc brake
,,	Recommended model	-	-	BR-C3010, BR-C3000	-	-	-
Rear s	peeds	8	8	7	7	7	7
	Total	307%	307%	244%	244%	244%	244%
	1	0.527	0.527	0.632	0.632	0.632	0.632
	2	0.644	0.644	0.741	0.741	0.741	0.741
	3	0.748	0.748	0.843	0.843	0.843	0.843
ļ	4	0.851	0.851	0.989	0.989	0.989	0.989
	5	1	1	1.145	1.145	1.145	1.145
Gear ratio	6	1.223	1.223	1.335	1.335	1.335	1.335
ļ	7	1.419	1.419	1.545	1.545	1.545	1.545
ļ	8	1.615	1.615	-	-	-	-
Ī	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting structure		Low-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent	clutch	1	1	-	-	-	-
Gear change sup	Gear change support mechanism		1	-	-	-	-
Shifting POWER	R MODULATOR	1	1	-	-	-	-
Driving e	fficiency	Standard	Standard	Standard	Standard	Standard	Standard
w/ Left han	d dust cap	-	-	-	-	-	-
O.L.D.	(mm)	135	135	130	127	127	135
Spoke	size	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
	28H	-	-	-	-	-	-
	32H	1	1	1	1	✓	✓
Spoke hole	36H	1	1	1	1	✓	✓
	Others	-	-	-	-	-	-
	182	-	-	1	-	-	-
ļ	184	-	-	-	-	1	-
Axle length (mm)	187	1	1	-	-	-	1
İ	193	-	-	-	-	-	-
ļ	Others	-	-	201	176	176	-
Flange dist	ance (mm)	57.3	58.3	54.6	56.2	56.2	54.6
Flange dian	neter (mm)	105.2	105.2	99.6	92.5	92.5	99.6
Flance out that (Right	3.2	3.2	3.2	2.3	2.3	3.2
Flange width (mm)	Left	3.2	3.2	3.2	2.7	2.7	3.2
Offset (mm)		3.1	4	3.85	4.6	4.6	2.5
P.C.D. left /	right (mm)	92.6	92.6	87	83.5	83.5	87
	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Plated	Plated+Painted(clear	Painted
Average v	veight (g)	1730	2090	1495	1915	1915	1470
No	te	-	-	*European market only	*European market only	-	*European market only

LIFESTYLE Comfort

Internal Geared Hub

Ser	ies	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no. Function name		SG-5R30	SG-5R30-VS	SG-5R35-VS	SG-3R75-B	SG-3R40	SG-3R42
		INTER-5	INTER-5	INTER-5	INTER-3	INTER-3	INTER-3
1		Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	Black	-	-	-
	3	-	-	-	-	-	-
	Mount type	INTER-M	V-BRAKE	V-BRAKE	INTER-M	INTER-M	INTER-M
Brake type	Recommended model	BR-C3010, BR-C3000	-	-	BR-C3010, BR-C3000	BR-C3010, BR-C3000	BR-C3010, BR-C3000
Rear s	peeds	5	5	5	3	3	3
	Total	206%	206%	206%	158%	186%	186%
	1	0.750	0.750	0.750	0.632	0.733	0.733
	2	1.001	1.001	1.001	0.741	1.000	1.000
	3	1.159	1.159	1.159	1.000	1.364	1.364
	4	1.335	1.335	1.335	-	-	-
	5	1.545	1.545	1.545	-	-	-
Gear ratio	6	-	-	-	-	-	-
	7	-	-	-	-	-	-
	8	-	-	-	-	-	-
	9	-	-	-	-	-	-
	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting s	structure	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
	Silent clutch		1	1	1	-	-
Gear change support mechanism		-	-	-	-	1	1
Shifting POWE	-	-	-	-	-	1	1
Driving e		Standard	Standard	Standard	HIGH	Standard	Standard
w/ Left han	-	-	1	1	-	-	-
O.L.D.	<u>.</u>	132	132	132	122	120/127	120
Spoke		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
	28H	-	-	-	-	<i>√</i>	<i></i>
	32H	/	1	1	-	1	-
Spoke hole	36H	,	1	1	1	1	1
	Others	_		-	-	-	
	182	-	-	-	_	1	1
	184	1	1	1	_	1	-
Axle length (mm)	187	-	-	-	-	-	-
Axie leligui (IIIII)	193	_	-	<u> </u>	√	-	-
1	Others	210	210	<u>-</u>	174/198/200	170/177/189/192	192
Flance dist		54.6	54.6	54.6	51.1	53.5	53
Flange distance (mm)		86	86	86	92.5	84	70
Flange diameter (mm)		2.3	2.3	2.3	2.3	2.3	3.0
lange width (mm)	Right	2.5	2.5	2.5	2.3	2.3	3.0
Left (mm)		0.3	0.3	0.3	3.6	0.8 (120mm axle)/2.5	0.8
Offset (mm) P.C.D. left / right (mm)		76		76		74	60
r.C.D. leπ /	Material	Steel	76 Steel	Aluminum	83.5 Steel	74 Steel	Steel
Hub shell							
Avarace :-	Finish	Plated	Plated	Painted	Plated	Plated	Plated
Average v	veignt (g)	1305	1330	1255	1315	885	872
Note		*Japan market only	*Japan market only	*Japan market only	-	-	Specification for Japan market

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Internal Geared Hub

Ser	ries	NEXUS	NEXUS
Mode	el no.	SG-3C41	SG-3D55
Functio	n name	INTER-3	INTER-3
	1	Silver	Black
Color	2	-	-
	3	-	-
Brake type	Mount type	Coaster brake	CENTER LOCK disc brake
	Recommended model	-	-
Rear s		3	3
	Total	186%	186%
	1	0.733	0.733
	2	1.000	1.000
	3	1.364	1.364
	4	-	-
Gear ratio	5	-	-
Geal ratio	6	-	-
	7	-	-
	8	-	-
	9	-	-
	10	-	-
	11	-	-
Shifting	structure	Low-normal	Low-normal
Silent	clutch	-	✓
Gear change support mechanism		1	✓
Shifting POWE	R MODULATOR	1	✓
Driving e	efficiency	Standard	Standard
w/ Left har	nd dust cap	-	-
O.L.D.	(mm)	120/127	135
Spok	e size	#13/#14	#13/#14
	28H	1	-
	32H	-	1
Spoke hole	36H	1	1
	Others	-	-
	182	-	-
	184	-	-
Axle length (mm)	187	-	-
	193	-	1
	Others	168/175/178	-
Flange dist	ance (mm)	57.5	53.5
Flange diar	neter (mm)	67.5	77.6
	Right	2.3	3.2
Flange width (mm) Left		2.3	3.2
Offset	: (mm)	1.2/2.7 (175mm axle)	1.7
P.C.D. left /	right (mm)	59	65
	Material	Steel	Aluminum
Hub shell	Finish	Plated	Painted
Average v	veight (g)	1120	945
	ote	-	-
		1	



Chain Tensioner

		ĺ	
Ser	ries	ALFINE	ALFINE
Mode	el no.	CT-S500	CT-S510
	1	Silver	-
Color	2	Black	-
	3	-	Silver+Black
Rear s	peeds	Single	Single
Compati	ble chain	HG 9-speed	HG 9-speed (CS- S500), HG 8/7/ 6-speed (SM-GEAR)
Compatibl	e sprocket	CS-S500	CS-S500 SM-GEAR
Max. front	difference	16T	-
Max. rear	rsprocket	20T	20T (CS-S500), 23T (SM-GEAR)
Min. rear	sprocket	18T	16T (SM-GEAR), 18T (CS-S500)
Droj	pout	Vertical drop end type	Vertical drop end type
Мо	unt	Derailleur hanger	Hub axle
Struc	Structure		Single pulley
Tensioner arm	Material	Aluminum	Aluminum
rensioner arm	Finish	Painted	Painted
No	ote		

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Sprocket

Se	ries	ALFINE	NEXUS	NEXUS
Mod	el no.	CS-S500	CS-C7000	SM-GEAR
Chain guard	With	✓	-	-
Chain guard	Without	✓	✓	1
	14T	-	-	- (2.3 mm), √ (3.0 mm)
	16T	-	-	√ (2.3 mm), √ (3.0 mm)
	18T	✔ (w/ and w/o guard)	-	√ (2.3 mm), √ (3.0 mm)
	19T	-	-	✓ (2.3 mm), - (3.0 mm)
	20T	✔ (w/ and w/o guard)	-	√ (2.3 mm), √ (3.0 mm)
Gear teeth	21T	-	-	√ (2.3 mm), √ (3.0 mm)
	22T	-	-	√ (2.3 mm), √ (3.0 mm)
	23T	-	-	✓ (2.3 mm), - (3.0 mm)
	24T	-	1	-
	27T	-	1	-
	30T	-	1	-
Gear thic	cness (mm)	2.0	2.3	2.3/3.0
	Super Narrow HG 9-speed	✓	-	-
Recommended chain	HG 8-speed (1/2 inch x 3/32 inch)	-	✓	√ (2.3 mm)
	1/2 inch x 1/8 inch	-	-	√ (3.0 mm)
	Material	Steel	Steel	Steel
Gear	Finish	Chrome plated	Manganese phosphate coated	Chrome plated, Manganese, phosphate coated
N	ote			



Ser	ies		ALFINE	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS
Model no.		SL-S700	SL-S7000-8	SL-S503	SL-C6000-8	SL-7S50	SL-C3000-7	
		1	Silver	Silver	Silver	Silver	Silver	Silver
Color		2	Black	Black	Black	Black	Black	Black
	3		-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT
Top-n	ormal		1	1	-	-	-	-
Fronts	peeds		-	-	-	-	-	-
Rear s	peeds		11	8	8	8	7	7
Compatible rear dera	illeur/interr type	nal geared	SG-S7001-11	SG-S7000-8, SG- S7001-8	SG-S501, NEXUS INTÉR-8	NEXUS INTER-8	NEXUS INTER-7	NEXUS INTER-7
Compatible fron	t derailleur	type	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever o	able adjust	t	~	1	✓	1	1	✓
Max. multiple shift	s (main lev	er/rear)	2	1	1	7	1	6
	MULTI F	RELEASE	√	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY F	RELEASE	✓	1	✓	-	✓	-
	With		Above handlebar	Above handlebar	Above handlebar	Window	Window	Window
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	Withou		-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Resin	Aluminum	Resin
Silit level bracket	Fin	ish	Painted	Painted	Painted	Resin	Painted	Resin
Main lever body	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	-	Steel+Resin	-
Main level body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	-	Steel+Resin	-
ncieuse ievei bouy	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	1	✓	1	1	✓
	Steel		-	-	-	-	-	-
Recommended shif	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Clamping dia	ameter (mm	1)	22.2	22.2	22.2	22.2	22.2	22.2
Average v	veight (g)		-	-	-	-	-	-
No	te						*European market only	*European market only

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Ser	ries		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SL-C7000-5	SL-5S50	SL-5S30	SL-5S30-A	SL-3S42E	SL-C2010-3	
		1	Silver	Silver	Silver	Silver	-	Black
Color	-	2	Black	Black	Black	Black	Black	-
	3	3	-	-	White	White	-	-
Shifte	r type		REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT	REVOSHIFT	REVOSHIFT	RAPIDFIRE PLUS
Top-n	ormal		1	-	-	-	-	-
Front	speeds		-	-	-	-	-	-
Rear s	peeds		5	5	5	5	3	3
Compatible rear dera	illeur/interi type	nal geared	NEXUS INTER-5E	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-5	NEXUS INTER-3	NEXUS INTER-3
Compatible fron	t derailleur	type	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever	able adjust	t	✓	✓	1	✓	-	✓
Max. multiple shift	s (main lev	er/rear)	4	1	4	4	2	1
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY I	RELEASE	-	-	-	-	-	-
	w	ith	Window	Window	Window	Window	Window	Below handlebar
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With		-	-	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Aluminum	Resin	Resin	Resin	Aluminum
Sint level blacket	Fin	nish	Resin	Painted	Resin	Resin	Resin	Painted
Main lever body	Mat	erial	-	-	-	-	-	Steel+Resin
Main level body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	-	Steel+Resin
	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	-
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner	OPTISLIC K	-	-	-	-	-	-
Jillit level Capie	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	-
Steel		-	-	-	-	-	1	
Recommended shif	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP40	SP outer for IHG
Clamping dia	ameter (mn	n)	22.2	22.2	22.2	22.2	22.2	22.2
Average v	veight (g)		-	-	-	-	-	-
No	ote		w/ Rubber bellows spec. is available					



Ser	ies		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	Model no.		SL-3S41E	SL-3S35E	SL-3S58	SL-3S42	SL-3S43	SL-3S90
		1	-	-	Silver	Silver	Silver	Gray
Color	:	2	Black	Black	Black	Black	Black	Black
	3	3	-	-	White	-	White	-
Shifter	r type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Piano-touch
Top-no	ormal		-	-	-	-	-	-
Front s	peeds		-	-	-	-	-	-
Rear s	peeds		3	3	3	3	3	3
Compatible rear derai	lleur/interi type	nal geared	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3	NEXUS INTER-3
Compatible from	t derailleur	type	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever o	able adjust	t	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	2	2	2	2	2	2
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY I	RELEASE	-	-	-	-	-	-
	With		Window	Dial	Window	Window	Window	Dial
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	Without		-	-	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Aluminum	Resin	Resin	Resin	Steel
Jime lord. Diddiel	Fin	ish	Resin	Painted	Resin	Resin	Resin	Painted
Main lever body	Mat	erial	-	-	-	-	-	Steel+Resin
	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	-	Steel+Resin
,	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
chife lasses solds	Inner cable	OPTISLIC K	-	-	-	-	-	-
Shift lever cable		SIL-TEC	-	-	-	-	-	-
		Stainless	✓	1	-	-	-	-
		Steel	-	-	1	1	1	1
Recommended shift	t lever oute	er casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	SP outer for IHG	SP outer for IHG
Clamping dia	meter (mn	1)	22.2	22.2	22.2	22.2	22.2	22.2
Average v	veight (g)		-	-	-	-	-	-
No	te							

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Sei	ries		NEXUS		
Mode	SL-3S91J				
	-				
Color	2		_		
60.01	3		White		
Shifte		,	Piano-touch		
	ormal		-		
	speeds		_		
	peeds		3		
Compatible rear dera		nal geared	NEXUS INTER-3		
Compatible fron			-		
Shift lever po			-		
Shift lever			-		
Max. multiple shift	ts (main lev	er/rear)	2		
	MULTI F	RELEASE	-		
Release function	INSTANT	RELEASE	-		
	2-WAY I	RELEASE	-		
OPTICAL GEAR DISPLAY	w	ith	Dial		
	With (re	movable)	-		
	Witl	hout	-		
Multi-bearing	constructi	on	-		
	Mat	erial	Steel		
Shift lever bracket	Fin	ish	Painted		
	Mat	erial	Steel+Resin		
Main lever body	Fin	ish	-		
	Mat	erial	Steel+Resin		
Release lever body	Fin	ish	-		
P	Mat	erial	Resin		
Base cover	Fin	ish	-		
		Polymer- coated cable	-		
Shift lever cable	Inner cable	OPTISLIC K	-		
Sillic level cable	cable	SIL-TEC	-		
		Stainless	-		
	Steel				
Recommended shif	Recommended shift lever outer casing				
Clamping dia	ameter (mn	1)	22.2		
Average v	weight (g)		-		
No	Note				



Brake Lever (Hydraulic Disc Brake)

Ser	ALFINE	
Mode	BL-S7000	
Brake	Hydraulic disc brake	
Lever size	e (finger)	3
	1	Series black
Color	2	Series silver
	3	-
Brake h	ose (kit)	SM-BH59-JK-SS
Hose	joint	Straight
Brake hose color	1	Black
Brake hose color (kit)	2	-
J-Kit spec	(for OEM)	1
SERVO	-	
Barah adhad	Toolless	-
Reach adjust	Tool	1
Free stro	-	
	Clamp band	1
Compatible shifter	I-SPEC B	-
Compatible shifter mount	I-SPEC II	1
	I-SPEC EV	-
Shifter rotation angle EV;	adjust range (I-SPEC deg.)	-
Clamp band	Open clamp	1
Recommended	brake caliper	BR-S7000
O	il	SHIMANO mineral
Funnel b	oleeding	1
Clamp serous	Material	Stainless steel
Clamp screw	Finish	-
Brake lever	Material	Aluminum
вгаке іечег	Finish	Anodized
Master sulind	Material	Aluminum
Master cylinder	Finish	Painted
Average v	veight (g)	-

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Brake Lever

Series		NEXUS	NEXUS
Model no.		BL-C6010	BL-C6000
Color	1	Silver	Silver
	2	Black	Black
	3	-	-
Compatible brake type	V-BRAKE	✓	1
	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	-	-
	Caliper (NEW SUPER SLR)	-	-
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	✓	✓
Recommended POWER MODULATOR	V-BRAKE	SM-PM40	SM-PM40
	Mechanical disc brake (MTB)	-	-
Clamp band	Open clamp band	-	-
	I-SPEC	-	-
	Diameter (mm)	22.2	22.2
Internal bumper stop		✓	✓
Lever size (finger)		4	4
Brake cable type		T-type	T-type
Power adjuster		-	-
SERVO WAVE		-	-
Reach adjust		✓	✓
Cable adjust		✓	✓
Cable adjust type		Two hand	Two hand
	Material	Aluminum	Aluminum
Brake lever	Finish	Anodized	Anodized
Dualia huadist	Material	Aluminum	Aluminum
Brake bracket	Finish	Painted	Painted
Note		* Brake lever ratio is different from BL- C6000 for better performance with BR-C6000, C3000 series.	



Brake (Hydraulic Disc Brake)

Ser	ALFINE	
Mode	BR-S7000	
Calan	1	Series black
Color	2	Series silver
	3	-
Brake	Hydraulic disc brake	
Brake h	SM-BH59-JK-SS	
Hose	joint	Straight
Brake hose color (kit)	1	Black
	2	-
J-Kit spec	1	
ICE TECHNOLOGIES p	-	
	Standard 1	G05S-RX Resin (w/o fin)
Pad	Standard 2	-
	Option 1	-
	Option 2	-
	10 mm mount	-
	15 mm mount	-
Fixing screw spec for rear mount	20 mm mount	-
for řear mount	25 mm mount	-
	30 mm mount	-
	35 mm mount	=
Recommende	BL-S7000	
Recommended	disc brake rotor	SM-RT64 SM-RT66
	140 mm (SS)	1
	160 mm (S)	1
Compatible rotor size	180 mm (M)	1
	203 mm (L)	1
	220 mm (LL)	-
O	SHIMANO mineral	
ONE WAY	1	
Moun	Post type	
Pist	2	
Piston r	Resin	
	MONO-BODY	-
Caliper	Material	Aluminum
	Finish	Painted
	Material	Steel
Caliper fixing screw	Tool size	5 mm
	Anti loosen method	Snap ring
Pad n	Split pin (stainless steel)	
Average v	-	
No		

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Brake (Roller Brake)

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	el no.	BR-C6061-F	BR-C6060-F	BR-C6051-F	BR-C6050-F	BR-C6001-F	BR-C6001-R
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	-	-	-	-
Fro	ont	✓	✓	✓	✓	✓	-
Re	ear	-	-	-	-	-	~
Structu	ire type	Hyper	Hyper	Hyper	Hyper	Hyper	Hyper
Braking po	ower (*1)	1.5	1.5	1.5	1.5	1.5	1.2
Cooling fin d	iameter (mm)	138	138	138	138	150	150
Heat dissip	oation (*1)	1.4	1.4	1.4	1.4	1.4	1.4
Without o	cooling fin	-	-	-	-	-	-
With POWER MOI	DULATOR function	✓	✓	✓	✓	-	-
	26-28 inch	-	-	-	-	✓	✓
	660-712 mm	√	1	✓	1	-	-
Wheel size	20-28 inch	•	-	-	-	-	-
Wheel size (inch)/Outer diameter of tire	16-28 inch	-	-	-	-	-	-
(mm)	24-28 inch	•	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	•	-	-	-	-	-
	More than 26 inch high	-	-	-	-	✓	-
	More than 26 inch standard	-	-	-	-	-	-
Roller brake modulator grade	20-24 inch	-	-	-	-	-	-
	Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	100-130	100-130	70-100	70-100	-	-
Inner cable o	quick release	√	1	1	1	1	✓
Note*1 Performance C3000-R brake unit a 1. Testing	index rating uses BR- s a reference value of condition.	SUS CAP, Except Japan market	Except Japan market	SUS CAP, Except Japan market	Except Japan market	SUS CAP	SUS CAP

Se	ries	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mod	Model no.		BR-C6000-F-DX	BR-C6000-R	BR-C6000-R-DX	BR-C3011-F	BR-C3011-R
1	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	-	-	-	-
Fre	ont	1	1	-	-	1	-
Re	ear	-	-	1	1	-	✓
Structu	ire type	Hyper	Hyper	Hyper	Hyper	Normal	Normal
Braking p	ower (*1)	1.5	1.5	1.2	1.2	1.3	1
Cooling fin d	iameter (mm)	150	150	150	150	140	140
Heat dissip	oation (*1)	1.4	1.4	1.4	1.4	1.2	1.2
Without	cooling fin	-	-	-	-	-	-
With POWER MO	DULATOR function	-	-	-	-	-	-
	26-28 inch	✓	1	1	1	✓	✓
	660-712 mm	-	-	-	-	-	-
Wheel size	20-28 inch	-	-	-	-	-	-
Wheel size (inch)/Outer diameter of tire	16-28 inch	-	-	-	-	-	-
(mm)	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
	More than 26 inch high	✓	✓	-	-	-	-
	More than 26 inch standard	-	-	-	-	1	-
Roller brake modulator grade	20-24 inch	-	-	-	-	-	-
	Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	-	-	-	-	-	-
Inner cable quick release		✓	✓	✓	✓	1	✓
Note*1 Performance C3000-R brake unit a 1. Testing	index rating uses BR- s a reference value of condition.					SUS CAP	SUS CAP

LIFESTYLE Comfort

Brake (Roller Brake)

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mod	Model no.		BR-C3010-R	BR-C3001-F	BR-C3001-R	BR-C3000-F	BR-C3000-F-DX
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	Black	Black	Black	-
Fro	ont	✓	-	✓	-	✓	✓
Re	ear	-	✓	-	✓	-	-
Structu	ire type	Normal	Normal	Normal	Normal	Normal	Normal
Braking p	ower (*1)	1.3	1.0	1.3	1	1.3	1.3
Cooling fin d	iameter (mm)	140	140	122	122	122	122
Heat dissip	oation (*1)	1.2	1.2	1	1	1.0	1.0
Without	cooling fin	-	-	-	-	-	-
With POWER MOI	DULATOR function	-	-	-	-	-	-
	26-28 inch	✓	✓	✓	✓	✓	✓
	660-712 mm	-	-	-	-	-	-
Wheel size	20-28 inch	-	-	-	-	-	-
Wheel size (inch)/Outer diameter of tire	16-28 inch	-	-	-	-	-	-
(mm)	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
	More than 26 inch high	-	-	-	-	-	-
	More than 26 inch standard	✓	-	1	-	✓	1
Roller brake modulator grade	20-24 inch	-	-	-	-	-	-
	Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	-	-	-	-	-	-
Inner cable quick release		1	1	1	1	1	1
Note*1 Performance C3000-R brake unit a 1. Testing	index rating uses BR- s a reference value of condition.			SUS CAP	SUS CAP		

Series		NEXUS	NEXUS	NEXUS
Model no.		BR-C3000-R	BR-C3000-R-DX	BR-IM31-R
Color	1	Silver	Silver	Silver
Color	2	Black	-	-
Fr	ont	-	-	-
R	ear	✓	✓	✓
Structi	ıre type	Normal	Normal	Normal
Braking p	ower (*1)	1.0	1.0	0.9
Cooling fin d	liameter (mm)	122	122	90
Heat dissip	oation (*1)	1.0	1.0	Less than 1
Without	cooling fin	-	-	Available
With POWER MO	DULATOR function	-	-	-
	26-28 inch	✓	✓	✓
	660-712 mm	-	-	-
Wheel size	20-28 inch	-	-	-
(inch)/Outer diameter of tire	16-28 inch	-	-	-
(mm)	24-28 inch	-	-	-
	20-24 inch	-	-	-
	16-20 inch	-	-	-
	More than 26 inch high	-	-	-
	More than 26 inch standard	-	-	-
Roller brake modulator grade	20-24 inch	-	-	-
	Range of overall allowable mass for modulator (kg) * mass = bicycle + rider + luggage	-	-	-
Inner cable quick release		✓	✓	-
Note*1 Performance index rating uses BR- C3000-R brake unit as a reference value of 1. Testing condition.				

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Crankset

Se	ries	ALFINE	NEXUS
Mod	el no.	FC-S501	FC-C6000
Color	1	Silver	Silver
Rear	2 speeds	Black (Internal geared hub)	Black (Internal geared hub)
, Real s	•	hub)	hub)
	Super Narrow HG	- √ (CN-HG93, CN-	-
Compatible chain	Super Narrow HG for 9-speed	HG53)	-
Companie chain	HG 8-speed (1/2 inch x 3/32 inch)	-	✓ (CN-HG71)
	1/2 inch x 1/8 inch LG	-	✓ (CN-NX10)
Chain li	ne (mm)	49.2 (double chain guard), 42.7 (single	44
	right (mm)	cháin guard)	-
Spider/g	ear arms	5	-
	ombination or (mm)	39T, 42T, 45T -	33T, 38T -
•	165	-	-
	167.5 170	-	-
Crank arm length	172.5	-	-
(mm)	175	-	-
	177.5 180	-	-
	With bash guard	-	-
Optional chain guard	With chain guard	✓ (double)	-
guard	Without chain/bash guard	-	1
	NTECH II	-	-
	RANKSET	1	-
	CH crank arm ALINK	-	-
	WGLIDE	-	-
Compatible bottom	Outboard	1	-
bracket type	OCTALINK Square	-	-
	Threaded (normal)	BB-RS501	-
Recommended	Threaded (E-type)	-	-
bottom bracket	Threaded (chain case)	-	BB-UN300-K
Anda lanash af	Press-Fit	-	-
	BB-UN/ES (mm) 68	-	-
Threaded bottom bracket shell width (mm)	70	-	-
	83	-	-
	compatible Material	- Aluminum	Aluminum
Crank arm	Finish	Anodized/Painted	Painted
Crank axle	Material	-	-
	Finish Material	-	-
Spider arm	Finish	-	-
Spider arm cover	Material Finish	-	-
0	Finish Material	- Aluminum	Steel
Outer ring	Finish	Anodized	Black
Middle ring	Material Finish	-	-
lamas de e	Material	-	-
Inner ring	Finish	-	-
Outer/middle ring fixing bolt	Material Finish	-	-
	Material	-	-
Inner ring fixing screw	Finish	-	
	Material Finish	Aluminum Anodized	Resin Painted
Chain augud 4	Diameter (mm) 45T	200	- rainted
Chain guard 1	Diameter (mm) 42T	190	-
	Diameter (mm) 39T Diameter (mm) 33T	174	95.4
	Material	Resin	-
	Finish	-	-
Chain guard 2	Diameter (mm) 45T Diameter (mm) 42T	200 190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	-	95.4
	crew included	1	1
brace	170 mm, w/o bottom tket)		
No	ote		t : Chain case thickness * Both of spec with screw and spec w/o screw are available.



Front Hub (Roller Brake)

Se	eries	NEXAVE	NEXUS	
Мос	lel no.	HB-IM70-NT	HB-IM40	
	1 Hub shell	Silver	Silver	
	1 Quick release	Silver	-	
Color	2 Hub shell	-	-	
	2 Quick release	-	-	
Тţ	ype	For hub roller brake	For hub roller brak	
	28H	=	-	
Cualia balas	32H	-	-	
Spoke holes	36H	✓	1	
	Others	-	-	
P.C.D	. (mm)	70	52	
O.L.0). (mm)	100/105	100	
Flange dis	stance (mm)	56.8	61.5	
Offse	et (mm)	3.7/6	4.3	
	26-28 inch	✓	✓	
	660-712 mm	-	-	
Whool size	20-28 inch	-	-	
Wheel size (inch)/Outer diameter of tire (mm)	16-28 inch	-	-	
(mm)	24-28 inch	-	-	
	20-24 inch	-	-	
	16-20 inch	-	-	
	More than 26 inch high	1	-	
Roller brake modulator grade	More than 26 inch standard	-	1	
	20-24 inch	-	-	
Axle fixi	ng method	Nut	Nut	
	Axle length 140 mm	√ (M9)	√ (M9)	
Axle (nut type)	Axle length 145 mm	√ (M9)	-	
	Material	Steel	Steel	
Seal		1	1	
Hub aball	Material	Aluminum	Aluminum	
Hub shell	Finish	Clear Painted	Machined	
Structure (b	raking power)	Hyper	Normal	
N	ote			

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FREEHUB (Roller Brake)

Series		NEXAVE	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FH-IM70	FH-IM20	RH-IM10	RH-IM11
	Hub shell	Silver	Silver	Silver/Black	Silver
Color	Quick release	-	-	-	-
	28H	-	1	1	1
	32H	1	-	1	1
Spoke holes	36H	1	1	1	1
	Others	-	-	-	-
	P.C.D. (mm)	45	45	45	74
	Speeds	8/9	7	-	-
EDEELIND bade	11T compatible	1	1	-	-
FREEHUB body	Roller clutch	Roller Clutch	-	-	-
	Material	Steel	Steel	Steel	Steel
O.L.D.	O.L.D. (mm)		134.7	129.5 (6-speed), 130.0 (7-speed)	132.7 (6-speed), 134.7 (7-speed)
Flange diar	Flange diameter (mm)		54	54	84
Flange dist	ance (mm)	60	61.2	54.1	57.1
Dish	(mm)	6.8	5.85	5.35 (6-speed), 7.1 (7-speed)	6.9 (6-speed), 7.9 (7-speed)
Axle fixin	g method	Nut	Nut	Nut	Nut
,	Quick release skewer length	-	-	-	-
Axle (quick release type)	Length (mm)	-	-	-	-
	Material	-	-	-	-
Axle (nut type)	Length left / right (mm)	185	194/202	180/200	180/185/192/200/204
	Material	Steel	Steel	Steel	Steel
Carl	Hub	✓	-	-	-
Seal	Freewheel	1	-	-	-
Hub shall	Material	Aluminum	Steel	Steel	Steel
Hub shell	Finish	Anodized	Chrome plated	Plated	Plated
Note				For 6/7-speed multiple free wheel	For 6/7-speed multiple free wheel



FREEHUB (Band Brake)

Ser	SHIMANO		
Mode	Model no.		
Color	Hub shell	Black	
Color	Quick release	-	
	28H	1	
	32H	-	
Spoke holes	36H	✓	
	Others	-	
	P.C.D. (mm)	45	
	Speeds	Single speed	
FDFFILLID bade	11T compatible	-	
FREEHUB body	Roller clutch	-	
	Material	Steel	
O.L.D.	(mm)	115/120	
Flange diar	neter (mm)	55	
Flange dist	tance (mm)	51.5	
Dish	(mm)	1.8	
Axle fixin	g method	Nut	
	Quick release skewer length	-	
Axle (quick release type)	Length (mm)	-	
	Material	-	
Axle (nut type)	Length left / right (mm)	165/170/180/185/192	
, ,	Material	Steel	
Seal	Hub	-	
Seai	Freewheel	-	
Hub shell	Material	Steel	
nub sileli	Finish	Plated	
No	ote	for band brake	

Head Parts

Sei	NEXUS		
Mode	el no.	HP-NX10	
Color	1	Black	
Color	2	-	
A (r	nm)	ø30.01 - ø30.2	
В (г	nm)	30.5 - 31.5	
Front fork ste	m thread size	BC 1 inch x 24 T.P.I.	
C (r	nm)	Max. ø38	
D (r	D (mm)		
Head tub	Steel		
No			

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Internal Geared Hub

Ser	ies	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7051-11	SG-S7051-8	SG-C6061-8V	SG-C6061-8D	SG-C7050-5V	SG-C7050-5D
Function	n name	INTER-11	INTER-8	INTER-8	INTER-8	INTER-5E	INTER-5E
	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	Black	Black	Black	Black	Black	Black
	3	-	-	-	-	-	-
Brake type	Mount type	CENTER LOCK disc brake	CENTER LOCK disc brake	V-BRAKE	CENTER LOCK disc brake	V-BRAKE	CENTER LOCK disc brake
Draile type	Recommended model	-	-	-	-	-	-
Rear s	peeds	11	8	8	8	5	5
	Total	409%	307%	307%	307%	263%	263%
	1	0.527	0.527	0.527	0.527	1	1
	2	0.681	0.644	0.644	0.644	1.277	1.277
	3	0.770	0.748	0.748	0.748	1.622	1.622
İ	4	0.878	0.851	0.851	0.851	2.07	2.07
Coonsetts	5	0.995	1	1	1	2.63	2.63
Gear ratio	6	1.134	1.223	1.223	1.223	-	-
	7	1.292	1.419	1.419	1.419	-	-
	8	1.462	1.615	1.615	1.615	-	-
	9	1.667	-	-	-	-	-
	10	1.888	-	-	-	-	-
	11	2.153	-	-	-	-	-
Shifting structure		Di2	Di2	Di2	Di2	Di2	Di2
Silent clutch		1	1	1	1	1	1
Gear change support mechanism		1	1	1	1	1	1
Shifting POWER MODULATOR		1	1	1	1	1	1
Driving e		HIGH	High	High	High	High	High
w/ Left han	-	-	-	√	-	√	-
O.L.D.		135	135	135	135	135	135
Spoke		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
	28H	1	-	-	-	-	-
	32H	1	1	-	1	-	1
Spoke hole	36H	1	1	1	1	√	1
	Others	-	-	-	-	-	-
	182	-	-	-	-	-	-
	184	-	-	-	-	-	-
Axle length (mm)	187	1	1	1	1	√	1
	193	-	-	-	-	-	-
	Others	-	-	-	_	-	-
l Flange dist		57.3	57.3	58.3	57.3	58.3	57.3
Flange dian		104.3	104.3	105.2	105.2	105.2	105.2
Trange didi	Right	3.2	3.2	3.2	3.2	3.2	3.2
Flange width (mm)	Left	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		3.15	3.15	3.1	3.4	3.7	3.2
P.C.D. left /		92.6	92.6	92.6	92.6	92.6	92.6
r.c.b. left/	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Average v		1665	1670	1685	1680	1670	1670
			10/0	1005	1000	1070	10/0
No	ie	•					

LIFESTYLE Comfort

Motor Unit

Se	Series		SHIMANO	SHIMANO
Mod	el no.	MU-UR520	MU-UR510	MU-UR500
	1	Black	Black	Black
Color	2	-	-	-
	3	-	-	-
Compatible inte	Compatible internal geared hub		SG-S7051-11 SG-S7051-8 SG-C6061-8 SG-C7050-5	SG-S7051-11 SG-S7051-8 SG-C6061-8 SG-C7050-5
Compati	Compatible speed		11/8/5-speed	11/8/5-speed
Maste	Master unit		-	-
Firmware update l	y E-TUBE PROJECT	1	√	✓
SD50 p	ort (pcs)	0	0	1
SD300 p	ort (pcs)	1 *	1	0
SD50 conn	ector (pcs)	0	0	0
SD300 con	SD300 connector (pcs)		0	0
Charging	Charging port (pcs)		0	0
Note		* Compatible with EW-PS300	-	-

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	Chain	260	CN
	QUICK-LINK	261	SMCN
	Disc Brake Rotor	262	RT
	Disc Brake Hose	264	вн
	Disc Brake Rotor Adapter	265	RTAD
	Outer Casing	265	ОТ
	Cable Adjuster	266	SMCB SMCA
	POWER MODULATOR	266	RM
	Hub Dynamo	267	DH
	Light	272	LP
	E-THRU Axle (AX)	274	SMAX
	Pedal (SPD)	276	PD
	Pedal (CLICK'R)	279	PD
	Pedal (Flat Pedal)	280	PD
	Pedal (SPD-SL)	282	PD
<di2 spec.=""></di2>	Electric Wire	283	EW
	Cord Cover	283	EWC
	Grommet	283	GM
	Wireless Unit	284	wu
	Junction [A]	284	JC
	Junction [B]	285	JC
	Battery	285	вт
	Battery Mount	286	вм
	Battery Case	286	SMBT
	Battery Charger	286	SMBC
	Charger Cord	287	всс
	Charging Cable	287	EWEC
	PC Linkage Device	288	SMPCE
	Cord Band	288	SMCB
	Cord Clip	288	SMCC
	CAN Adapter	289	EWEX
	Electric Cable for Non SHIMANO E-BIKE SYSTEMS	289	EWPS

Chain

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Scries	J. IIIVANO	311111/1110	311111/4110	JimilAito	31111111110	JimilAito
Model no.	CN-M9100	CN-M8100	CN-M7100	CN-M6100	CN-E8000-11	CN-HG901-11
Туре	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
E-BIKE rear derailleur system compatible	~	✓	1	✓	•	✓
Pin link plate	SIL-TEC	Gray	Gray	Gray	SIL-TEC	SIL-TEC
Roller link plate	Chromizing	Chromizing	SIL-TEC	Brown	Chromizing	SIL-TEC
Roller	SIL-TEC	-	-	-	-	SIL-TEC
Chromizing treatment roller link pin	*	✓	1	✓	•	✓
Hollow pin	1	-	-	-	-	1
Average weight (g) (114 links)	242	252	252	252	257	247
Note	QUICK-LINK	QUICK-LINK	QUICK-LINK	QUICK-LINK	Used only with front single	

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	CN-HG701-11	CN-HG601-11	CN-LG500	CN-E6090-10	CN-HG95	CN-HG54
Туре	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
E-BIKE rear derailleur system compatible	✓	1	1	✓	-	-
Pin link plate	SIL-TEC	Gray	Gray	SIL-TEC	SIL-TEC	Gray
Roller link plate	SIL-TEC	SIL-TEC	Gray	SIL-TEC	SIL-TEC	Brown
Roller	-	-	-	-	-	-
Chromizing treatment roller link pin	1	1	1	1	1	1
Hollow pin	-	-	-	-	-	-
Average weight (g) (114 links)	257	257	257	276	273	273
Note				Used only with front single		

Series	ULTEGRA	ULTEGRA	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	CN-6701	CN-6600	CN-4601	CN-HG93	CN-E6070-9	CN-HG53
Туре	HG 10-speed (for 2x10s)	HG 10-speed (for 3x10s)	HG 10-speed (for 2x10s)	HG 9-speed	HG 9-speed	HG 9-speed
E-BIKE rear derailleur system compatible	-	-	-	-	•	-
Pin link plate	Zinc-alloy plated	Zinc-alloy plated	Gray	Zinc-alloy plated	Gray	Gray
Roller link plate	Gray	Gray	Brown	Gray	Gray	Brown
Roller	-	-	-	-	-	-
Chromizing treatment roller link pin	✓	✓	1	✓	•	✓
Hollow pin	-	-	-	-	-	-
Average weight (g) (114 links)	267	273	-	299	276	299
Note		For triple			Used only with front single	

Series	SHIMANO	SHIMANO	NEXUS
Model no.	CN-HG71	CN-HG40	CN-NX10
Туре	HG 8/7/6-speed	HG 8/7/6-speed	Single speed 1/2 x 1/ 8 inch
E-BIKE rear derailleur system compatible	-	-	-
Pin link plate	Silver	Gray	-
Roller link plate	Gray	Brown	-
Roller	-	-	-
Chromizing treatment roller link pin	1	-	-
Hollow pin	-	-	-
Average weight (g) (114 links)	324	324	-
Note			



Series	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-CN910-12	SM-CN900-11	SM-UG51
E-BIKE rear derailleur system compatible	1	1	✓
Compatible chain	HG 12-speed	LINKGLIDE, HG 11-speed	HG 8/7/6-speed
Pin link plate	Nickel plated	Nickel plated	-
Roller link plate	-	-	-
Roller	-	-	-
Chromizing treatment link pin	1	✓	-
Hollow pin	-	-	-
Note	QUICK-LINK for HG 12-speed chain	QUICK-LINK for HG 11-speed chain, LINKGLIDE chain	QUICK-LINK for HG 8/7/6-speed chain

CN

SMCN

RT

ВН

RTAD

ОТ

SMCB SMCA

RIVI

DH

LP

SMAX

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PD PD

EVV

EWC

GM

WU

JC

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BIVI

SMBT

SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Disc Brake Rotor

Sei	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.		RT-CL900	RT-CL800	RT-CL700	RT-MT900	RT-MT905	RT-MT800
CENTE	R LOCK		1	1	J	1	-	1
6-bolt (P.C.	.D. 44 mm)		-	-	-	-	1	-
ICE TECHI	NOLOGIES		1	1	1	1	1	1
ICE TECHNOL	OGIES FREE	ZA	1	1	-	1	1	1
ICE TECHNOLOGIE dissipati	S FREEZA v	v/ heat	1	-	-	1	1	-
	22	20	-	-	-	-	-	-
l	20	03	✓	1	✓	✓	✓	✓
Outside diameter (mm)	18	80	✓	1	1	✓	1	1
""""	10	50	✓	1	1	✓	-	1
	14	40	✓	1	1	1	-	1
Adapter	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Adapter	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Rotor	Mat	erial	Stainless steel+Aluminum+St ainless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel + Aluminum + Stainless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel
	Fin	ish	Polished	Polished	Poilshed	Polished	Polished	Polished
Pad material compatibility	Me	etal	✓	1	1	✓	1	1
compatibility	Re	sin	✓	1	1	✓	✓	1
Pad lining shape compatibility	Nar	row	✓	1	1	✓	1	1
compatibility	Wi	ide	-	-	-	-	-	-
	Internal	Material	Aluminum	Aluminum	Steel	Aluminum	-	Aluminum
	type	Finish	Anodized	Anodized	Painted	Anodized	-	Anodized
	External	Material	Aluminum	Aluminum	Steel	Aluminum	-	Aluminum
	type	Finish	Anodized	Anodized	Painted	Anodized	-	Anodized
l	Internal/	Material	-	-	-	-	-	-
Lock ring	external type	Finish	-	-	-	-	-	-
	Internal type with	Material	Aluminum (except 140 mm)	Aluminum (except 140 mm)	-	Aluminum (except 140 mm)	-	Aluminum (except 140 mm)
	magnet for EW- SS302	Finish	Anodized (except 140 mm)	Anodized (except 140 mm)	-	Anodized (except 140 mm)	-	Anodized (except 140 mm)
Average weight (g) (w/o lock ring)		97 (140 mm), 114 (160 mm), 139 (180 mm), 169 (203 mm)	97 (140 mm), 114 (160 mm), 139 (180 mm), 169 (203 mm)	106 (140 mm), 127 (160 mm), 153 (180 mm), 188 (203 mm)	88 (140 mm), 108 (160 mm), 132 (180 mm), 150 (203 mm)	147 (180 mm), 187 (203 mm)	88 (140 mm), 108 (160 mm), 132 (180 mm), 164 (203 mm)	
No	ote						With anti loosen tightening plate	

Sei	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	el no.		SM-RT900	SM-RT800	SM-RT86	SM-RT70	SM-RT76	SM-RT66
CENTE	R LOCK		✓	1	-	1	-	-
	.D. 44 mm)		-	-	1	-	✓	✓
ICE TECHI	NOLOGIES		✓	1	1	1	-	-
ICE TECHNOL			✓	1	-	-	-	-
ICE TECHNOLOGIE dissipati	S FREEZA von paint	v/ heat	1	-	-	-	-	-
		20	-	-	-	-	-	✓
		03	-	-	1	1	✓	✓
Outside diameter (mm)		80	-	-	1	1	✓	✓
		50	✓	1	1	1	1	1
	14	40	✓	✓	-	✓	-	-
Adapter	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-
Adapter	Fin	ish	Anodized	Painted	Painted	Painted	Painted	-
Rotor	Mat	erial	Stainless steel+Aluminum+St ainless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel	Stainless steel
	Finish		Polished	Polished	Polished	Polished	Polished	Polished
Pad material compatibility	Me	etal	✓	1	1	1	✓	✓
compatibility	Re	sin	✓	✓	1	1	✓	✓
Pad lining shape compatibility		row	✓	1	1	1	✓	✓
compatibility	Wi		-	-	-	-	-	-
	Internal	Material	Aluminum	Aluminum	-	Steel	-	-
	type	Finish	Anodized	Anodized	-	Plated	-	-
	External	Material	-	-	-	Steel	-	-
	type	Finish	-	-	-	Plated	-	-
	Internal/	Material	-	-	-	-	-	-
Lock ring	external type	Finish	-	-	-	-	-	-
	Internal type with	Material	-	-	-	Aluminum (203 mm only)	-	-
	magnet for EW- SS302	Finish	-	-	-	Anodized (203 mm only)	-	-
Average weight ((g) (w/o loci	k ring)	99 (140 mm), 117 (160 mm)	108 (140 mm), 128 (160 mm)	135 (160 mm), 154 (180 mm), 187 (203 mm)	121 (140 mm), 133 (160 mm), 159 (180 mm), 193 (203 mm)	141 (160 mm), 169 (180 mm), 209 (203 mm)	-
No	ote				With anti loosen tightening plate		With anti loosen tightening plate	With anti loosen tightening plate



Disc Brake Rotor

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	Model no.		SM-RT64	SM-RT56	SM-RT54	SM-RT30	SM-RT26	SM-RT10
CENTE	R LOCK		1	-	1	1	-	1
6-bolt (P.C	.D. 44 mm)		-	1	-	-	1	-
ICE TECHI	NOLOGIES		-	-	-	-	-	-
ICE TECHNOL			-	-	-	-	-	-
ICE TECHNOLOGIE dissipati	ion paint		-	-	-	-	-	-
		20	✓	-	-	-	-	-
0		03	✓	-	-	✓	-	-
Outside diameter (mm)	18	80	✓	1	✓	✓	1	✓
()		60	✓	1	✓	✓	1	✓
		40	✓	-	-	-	✓ (NEW)	-
Adapter		erial	Aluminum	-	Aluminum	Stainless steel	-	Steel
Adapter		ish	Painted	-	Painted	Painted	-	Painted
Rotor		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
110101		ish	Polished	Polished	Polished	Polished	Polished	Polished
Pad material	Me		1	-	-	-	-	-
compatibility		sin	✓	1	✓	✓	1	✓
Pad lining shape compatibility		row	✓	1	✓	✓	1	✓
compatibility	Wi	ide	-	1	✓	✓	✓	✓
	Internal	Material	Steel	-	Steel	-	-	-
	type	Finish	Plated	-	Plated	-	-	-
	External	Material	Steel	-	Steel	-	-	-
	type	Finish	Plated	-	Plated	-	-	
La alcada a	Internal/ external	Material	-	-	-	Steel	-	Steel
Lock ring	type	Finish	-	-	-	Painted	-	Painted
	Internal	Material	Aluminum	-	-	Aluminum	-	-
	type with magnet for EW- SS302	Finish	Anodized	-	-	Anodized	-	-
Average weight	(g) (w/o locl	k ring)	-	-	-	-	-	-
No	ote			With anti loosen tightening plate			With anti loosen tightening plate	

Sei	SHIMANO		
Mode	el no.		SM-RTC60
CENTE	R LOCK		-
6-bolt (P.C.	D. 44 mm)		-
	NOLOGIES		-
ICE TECHNOL			-
ICE TECHNOLOGIE dissipati	S FREEZA v on paint	v/ heat	-
		20	-
Outside diameter		03	-
Outside diameter (mm)		80	-
· '		50	✓
		40	
Adapter		erial	Steel
1100 110		ish	Painted
Rotor		erial	Stainless steel
		ish	Polished
Pad material compatibility		etal sin	— •
		row	1
Pad lining shape compatibility		ide	7
compatibility		Material	-
	Internal type	Finish	-
		Material	-
	External type	Finish	-
	Internal/	Material	
Lock ring	external	Finish	_
	type		-
	Internal type	Material	-
	type with magnet Finish for EW- SS302		-
Average weight (-		
No	Disc brake rotor is fixed by 5 bolts with 74 mm P.C.D.		

CN SMCN

RT

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RTAD OT

SMCB SMCA

RM

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SMAX

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PD PD

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WC

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BM

SMBT

SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Disc Brake Hose

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-BH90-JK-SSR	SM-BH90-SB	SM-BH90-SBLS	SM-BH90-SBM	SM-BH90-SBS	SM-BH90-SS
	1	Black	Black	Black	Black	Black	Black
Color	2	-	White	-	-	White	White
	3	-	-	-	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight	Straight	Straight	Straight
nose joint	Brake caliper	Straight	Banjo	Banjo	Banjo	Banjo	Straight
Rigi	dity	High power	High power	High power	High power	High power	High power
	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	-
	Length	-	Standard	Long	Standard	Standard	-
Banjo	Banjo screw length	-	Long	Short	Long, BR-M9120 spec. *, BR-M8100 spec. *	Short	-
	Banjo screw material	-	Steel	Steel	Steel	Steel	-
Flare nut	Material	Steel	Steel	Steel	Steel	Steel	Steel
No	ote	-			* Banjo screw is not included.		

Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	Model no.		SM-BH59-JK-SSR	SM-BH59-SB
	1	Black	Black	Black
Color	2	White	-	White
	3	-	-	-
Hose joint	Brake lever	Straight	Straight	Straight
Hose Joint	Brake caliper	Straight	Straight	Banjo
Rig	idity	Standard	Standard	Standard
	Material	-	-	Aluminum
	Length	-	-	Standard
Banjo	Banjo screw length	-	-	-
	Banjo screw material	-	-	-
Flare nut	Flare nut Material		Steel	Steel
Note				



Disc Brake Rotor Adapter

		1				
Sei	Series					
Mode	SM-RTAD05					
	1	Black				
Color	2	-				
	3	-				
Lock ring	Туре	External serration				
LOCK TING	Material	Steel				
Disc brake rotor	mount method	Hexalobular bolts				
	SM-RT86	-				
	SM-RT76	-				
Compatibility (disc brake rotor)	SM-RT66	1				
	SM-RT56	1				
	SM-RT26	1				
	Front 20 mm thru	✓				
	Front 15 mm E- THRU	1				
	Front 9 mm quick release	1				
Compatibility (axle)	Rear 12 mm E-THRU	✓				
	Rear 12 mm thru	1				
	Rear 10 mm thru	1				
	Rear 10 mm quick release	1				
No	Note					

Outer Casing

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	OT-RS900	OT-SP41	OT-SP40	OT-SIS40
	Black	✓	1	1	*
	White	1	1	1	1
	Yellow	-	1	-	-
Color	Red	1	1	-	-
Color	Blue	-	1	-	-
	Lime-green	-	1	-	-
	Orange	-	1	-	-
	High-tech gray	✓	1	-	-
Outer	SP type	-	1	1	-
Outer	Coil type	✓	-	-	✓
Liner	Material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
	Special grease	✓	✓	-	-
Cable grease	Premium grease	-	-	1	1
	Entirely greased	✓	1	-	-
No	ote				

CN

SMCN

RT

RTAD

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SMCB SMCA

RIVI

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SMAX

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EVV

EMIC

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WU

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BM

SMBT

SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Cable Adjuster

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		SM-CB90	SM-CB70	SM-CA70	SM-CA50
Shiftin	g cable	-	-	1	1
Brake	cable	1	1	-	-
Quick release function		1	-	-	-
Outer adjust screw	Material	Aluminum	Aluminum	Aluminum	Aluminum
Outer adjust screw	Finish	Anodized	Anodized	Anodized	Anodized
Do do	Material	Aluminum	Aluminum	Aluminum	Resin
Body	Finish	Anodized	Anodized	Anodized	-
Ouisk valence lever	Material	Stainless steel	-	-	-
Quick release lever	Finish	-	-	-	-
No	ote				

POWER MODULATOR

Sei	ries	SHIMANO	SHIMANO	
Mod	el no.	SM-PM70	SM-PM40	
Modula	tor level	Standard	Standard	
Moun	t type	Lead pipe	Lead pipe	
Available lead pipe	90 deg.	1	1	
angle	135 deg.	1	1	
	V-BRAKE	√ **	√ **	
	Mechanical disc brake (MTB)	-	-	
	Mechanical disc brake (Road)	-	-	
Compatible brake	Caliper (NEW SUPER SLR)	-	-	
	Caliper (SUPER SLR)	-	-	
	Cantilever brake	-	-	
	Roller brake	-	-	
	V-BRAKE 4-finger	√ ***	/ ***	
Compatible brake	V-BRAKE 3-finger	√ ***	√ ***	
lever	V-BRAKE 2-finger	✓	✓	
	Road	-	-	
	Material	Aluminum	Aluminum	
Body	Finish	Anodized+Laser marking	Barrel and Sticker	
Lead pipe	Material	Stainless steel	Stainless steel	
No	ote	** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake	** Except brake integrated POWER MODULATOR *** POWER MODULATOR should be used for front brake	



Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO
Mode	el no.	DH-UR708-3D	DH-UR705-3D	DH-UR700-3D	DH-T4050-1D	DH-T4000-1N	DH-F703-S
	StVZO	1	1	1	1	1	✓
Bl.edi	TPGBi	-	-	-	-	-	-
Regulation	JIS	-	-	-	-	-	-
	Others	ISO	-	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Black	Silver	Silver
	1 Quick release	-	-	Silver	Black	-	Black
Color	2 Hub shell	Black	Black	Black	-	Black	-
	2 Quick release	-	-	Black	-	-	Black
Brake		Disc brake	Disc brake	Disc brake	Disc brake	Regular	Regular
	(mount type	√	1	1	1	-	-
Volta		6	6	6	6	6	6
Outpu		3	3	3	1.5	1.5	3
Outpo	26-28 inch	√ 	√ ✓	√ ·	-	-	-
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	1	√	-
Wheel size	16-28 inch	-	-	-	-	-	-
Wheel size	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	✓
	Compatible wheel size (mm)	(646-716)	(646-716)	(646-716)	(448 - 716)	(448 - 716)	(400 - 536)
Axle fixin							
	,	15 mm E-THRU	12 mm E-THRU *	Quick release	Quick release	Quick release	Quick release
Quick rel	• • • • • • • • • • • • • • • • • • • •	-	-	√	1	1	√
Nut		-	-	-	-	-	-
E-THR		√ *	√ *	-	-	-	-
Quick release skewer length (mm)	129	-	-	-	-	-	-
skewer length (mm)	133	-	-	✓	✓	✓	✓
Tḥru axle (length x	100 x 12	-	✓	-	-	-	-
inner diameter ; mm)	100 x 15	✓	-	-	-	-	-
O.L.D.	(mm)	100	100	100	100	100	74
Flange dist	ance (mm)	52	52	52	51	56.0	44.6
Offset		3.5	3.5	3.5	1.9	0	0
P.C.D. left /		62	62	62	67	67	74
Axle leng		100	100	108	108	108	82
Spok		#14	#14	#14	#14	#14	#14
	24H	-	-	-	-	-	√
	28H	_	-	_	_	-	
Spoke hole	32H			1	1		-
		1	1			1	-
	36H	√	√	√	√	√	-
Se		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch high	-	-	-	-		-
Roller brake modulator grade	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	J1 type	-	-	-	-	-	-
Flantuia	J2 type	-	-	-	-	-	-
Electric power output connector	E2 type	1	1	1	1	1	1
	Others	_	-	•	•	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell				Anodized			
	Finish	Anodized	Anodized		Painted	Painted	Painted
Axle	Material	-	-	Aluminum	Steel	Steel	Steel
	Finish	-	-	Chromated	Zinc plated	Zinc plated	Zinc plated
Quick release lever	Material	-	-	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	-	Anodized	E-coated	E-coated	Anodized
Quick release housing	Material	-	-	Aluminum	Steel	Steel	Aluminum
nousing	Finish	-	-	Anodized	E-coated	E-coated	Anodized
Quick release nut	Material	-	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Average v	veight (g)	459 (w/o QR)	450	476 (w/o QR)	565	580	590
No	rte		Recommended E- THRU axle: SM- AX720		* For LED light use only	* For LED light use only	
			AX720		only	only	

CN

SMCN

RT

RTAD

ВН

ОТ

SMCB SMCA

RM

DH

LP

SMAX

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EVV

EVVC

GM

WU

C

IC

BT BM

SMBT

SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	DH-3D72	DH-3D37-QR	DH-3D37-NT	DH-3D32-QR	DH-3D32-NT	DH-3N72
	StVZO	1	1	1	1	1	1
	TPGBi	1	1	1	1	1	-
Regulation	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Clear	Clear	Silver
6.1	1 Quick release	Silver	-	-	-	-	Silver
Color	2 Hub shell	Black	Black	Black	Black	Black	Black
	2 Quick release	Black	-	-	-	-	Silver
Brake	type	Disc brake	Disc brake	Disc brake	Disc brake	Disc brake	Regular
CENTER LOCK	mount type	✓	✓	✓	-	-	-
Voltag	ge (V)	6	6	6	6	6	6
Outpu		3	3	3	3	3	3
	26-28 inch	1	-	-	-	-	1
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
Wheel size	16-28 inch	-	√	1	✓	1	-
vviidel Size	24-28 inch	-	-	-	-	-	-
ļ	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
	Compatible wheel size (mm)	(646-716)	(400 - 716)	(400 - 716)	(400 - 716)	(400 - 716)	(646-716)
Axle fixin		Quick release	Quick release	Nut	Quick release	Nut	Quick release
Quick rele	ease type	1	1	-	✓	-	1
Nut 1	type	-	-	1	-	1	-
E-THRI	J type	-	-	-	-	-	-
Ouick release	129	-	=	-	-	-	-
Quick release skewer length (mm)	133	✓	✓	-	✓	-	✓
Tḥru axle (length x	100 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	-	-	-	-
O.L.D.	(mm)	100	100	100	100	100	100
Flange dist	ance (mm)	52.1	51	51	51.1	51.1	60.0
Offset	(mm)	3.8	4	4	4	3.6	0
P.C.D. left /	right (mm)	70	74	74	74	74	70
Axle leng		108	108	108	108	140	108
Spoke		#14	#14	#14	#14	#14	#14
	24H	-	-	-	-	-	-
Spoke hole	28H	-		-	-	-	-
	32H	1	√	1	√	/	1
	36H	√	√	/	√	/	√
Se		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch high	-	-	-	-	-	-
Roller brake modulator grade	More than 26 inch	_	_	_	-	_	-
5	standard 20-24 inch	_		-	_	_	-
	J1 type	_		-		-	-
	J2 type	-	-	-	-	-	-
Electric power output connector	E2 type	1	-	1		-	-
,	Others	-		-		_	_
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell		Anodized+Painted/					
	Finish	Anodized	Painted	Painted	Painted	Painted	Anodized+Painted
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
, 5316	Finish	Zinc plated	Zinc plated	Phosphate coated	Zinc plated	Phosphate coated	Zinc plated
Quick release lever	Material	Aluminum	Steel	-	Steel	-	Aluminum
	Finish	Anodized	Nickel plated	-	Nickel plated	-	Anodized
Quick release housing	Material	Aluminum	Steel	-	Steel	-	Aluminum
nousing	Finish	Anodized	Nickel plated	-	Nickel plated	-	Anodized
	Material	Steel+Resin	Steel+Resin	-	Steel+Resin	-	Steel+Resin
Quick release nut							
	Finish	-	-	-	-	-	-
Quick release nut Average v No	Finish veight (g)		- 650	680	- 685	705	560



Model no.	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
TPGBi	Silver Silver Silver Silver Black Black Black Black Corake Regular Regular God 6
TPGBi	Silver Silver Silver Silver Black Black Black Black Corake Regular Regular God 6
Color	
1 Hub shell Silver Silve	Silver Silver
1 Quick release Silver Black - - 2 Hub shell Piano black - Black Black 2 Quick release Silver - - Brake type Disc brake Hub roller brake Hub roller brake CENTER LOCK mount type ✓ - - Voltage (V) 6 6 6 6 Output (W) 3 3 2.4 1.5	Black Black
2 Hub shell Piano black - Black Black 2 Quick release Silver - - - Brake type Disc brake Hub roller brake Hub rolle	Black Black - - -
2 Hub shell Piano black - Black Black 2 Quick release Silver - - - Brake type Disc brake Hub roller brake Hub roller brake Hub roller brake CENTER LOCK mount type ✓ - - Voltage (V) 6 6 6 6 6 Output (W) 3 3 2.4 1.5	orake Regular Regular
Brake type Disc brake Hub roller brake	orake Regular Regular 6 6
CENTER LOCK mount type ✓ -	6 6
Voltage (V) 6 6 6 6 Output (W) 3 3 2.4 1.5	
Output (W) 3 3 2.4 1.5	
26-29 inch / /	3.0 3.0
20-20 III(II	
20-28 inch	
18-28 inch	
16-28 inch	√
Wheel size 24-28 inch	
20-24 inch	
16-20 inch	
Compatible wheel (646-716) (646-716) (646-716) (646-716)	6) (400 - 716) (400 - 716)
Axle fixing method Quick release Nut Nut Nut	Quick release Nut
Quick release type	√ -
Nut type - ✓ ✓ ✓	- /
E-THRU type	
	√ -
Quick release skewer length (mm) 133 129	· · ·
Thru axle (length x inner diameter; mm) 100 x 12	
O.L.D. (mm) 100 100 100 100	100 100
Flange distance (mm) 52.1 58.1 58.1 58.1	60.0 60.0
Offset (mm) 3.8 4.7 4.7 4.7	0.6 1.0
P.C.D. left / right (mm) 70 76 76 76 76	74 74
Axle length (mm) 108 140 140 140	108 140
Spoke size #14 #14 #14 #14 #14	#14 #14
24H	
28H	- 1
Spoke hole 32H ✓ ✓ ✓	1 1
36H 🗸 🗸 🗸	1 1
Seal Single contact Single Contact Single contact Single contact	tact Single contact Single contact
More than 26 inch	
Roller brake modulator grade More than 26 inch standard - More than 26 inch standard -	
20-24 inch	
J1 type	
Electric power output connector F2 type	
LE type	<i>I</i>
Others	
Hub shell Material Aluminum Al	
Finish Anodized Painted Painted Painted Painted Painted Painted	Ct. I. Ct. I.
Axle Finish Zinc plated Phosphate coated Phosphate Coated Phosphate Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Phosphate Coated Phosphate Phosphate Phosphate Phosphate Phosphate Phosphate Phosphate Phosphate P	Steel Steel
Finish Zinc plated Phosphate coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phosphate Coated Phos	coated Phosphate coated Phosphate coated Steel -
Quick release lever Finish Anodized	Nickel plated -
	Steel -
Quick release housing Material Aluminum - - Finish Anodized - -	Nickel plated -
Material Steel+Resin	Steel+Resin -
Quick release nut Finish	Steel+Resin -
Average weight (g) 564 960 960 960	700 712
Note * For LED lig only	pirt use

CN

SMCN

RT

ВН

RTAD

ОТ

SMCB SMCA

RM

DH

LP

SMAX

PD

PD

PD

PD EW

GM

WU

JC

BT

BM SMBT

SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

EWPS

269

Ser	ries	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	el no.	DH-C3000-2N-QR	DH-C3000-2N-NT	DH-C3000-1N	DH-C2100-N	DH-C2100-NC	DH-C2100-N-QR
	StVZO	-	-	1	-	-	-
De malestie m	TPGBi	-	-	-	-	-	-
Regulation	JIS	-	-	-	-	-	-
	Others	-	-	-	VIA	VIA	VIA
	1 Hub shell	Silver	Silver	Silver	Silver	Silver	Silver
	1 Quick release	-	-	-	-	-	Silver
Color	2 Hub shell	Black	Black	Black	Black	Black	Black
	2 Quick release	-	-	-	-	-	Black
Brake		Regular	Regular	Regular	Regular	Regular	Regular
	C mount type	-	-	-	-	-	-
Voltag		6	6	6	6	6	6
Outpu		2.4	2.4	1.5	0.9	0.9	0.9
	26-28 inch	-	-	-	-	-	-
	20-28 inch	-	-	1	_	_	-
	18-28 inch	-	-	-	_	-	-
	16-28 inch	1	1	_	_	_	_
Wheel size							-
	24-28 inch	-	-	-	√	-	-
	20-24 inch	-	-	-		1	-
	16-20 inch	-	-	-	-	-	-
	Compatible wheel size (mm)	(400 - 716)	(400 - 716)	(448 - 716)	-	-	-
Axle fixin		Quick release	Nut	Nut	Nut	Nut	Quick release
Quick rele	J	1	-	-	-	-	1
Nut	• • • • • • • • • • • • • • • • • • • •		1	1	1	1	-
E-THRI	• •	-	-	-		-	-
	129	1	-	-	-	-	1
Quick release skewer length (mm)	133	<i>,</i>	-	_	-	-	1
Thru axle (length x inner diameter ;	100 x 12	-	-	-	-	-	-
mm)	100 x 15	-	-	-	-	-	-
O.L.D.	` '	100	100	100	93	93	100
Flange dist	<u> </u>	60.0	60.0	56.0	58	58	58
Offset	t (mm)	0.6	1.0	0	0.5	0.5	0.5
P.C.D. left /	right (mm)	74	74	67	60	60	60
Axle leng	gth (mm)	108	140	140	150/155	150/155	108
Spok	e size	#14	#14	#14	#13/#14	#13/#14	#13/#14
	24H	-	-	-	-	-	-
Cnaka hala	28H	-	-	-	-	✓	-
Spoke hole	32H	✓	✓	1	-	-	✓
	36H	✓	✓	✓	✓	-	✓
Se	eal	Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch		-	_	-	-	
Roller brake	high	•	•	-	-	-	_
modulator grade	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	J1 type	-	-	-	-	-	-
Electric never	J2 type	-	-	-	-	-	-
Electric power output connector	E2 type	1	1	1	-	-	-
	Others	-	-	-	√ (J2-A)	√ (J2-A)	√ (J2-A)
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted	Painted (black)/Passivation	Painted (black)/Passivation
					(black)/Passivation (silver)	(silver)	(silver)
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Phosphate coated	Phosphate coated	Phosphate coated	Plated	Plated	Phosphate coated
Quick release lever	Material	Steel	-	-	-	-	Steel
Quick release lever	Finish	Nickel plated	=	-	-	-	Plated
Ouick release	Material	Steel	=	-	-	-	Steel
Quick release housing	Finish	Nickel plated	-	-	-	-	Plated
	Material	Steel+Resin	-	-	-	-	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Average v	l	700	705	600	491	491	474
	3 13,	. ,,	. 55	* For LED light use	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market
	ote			only	lanan market	lanan market	lanan market

Hub Dynamo

Se	ries	NEXUS	NEXUS	NEXUS	SHIMANO	SHIMANO
Mod	el no.	DH-C2100-N-QRC	DH-2N40-J	DH-2N40-JC	DH-2N40-JW	DH-2N40-JWC
	StVZO	-	-	-	-	-
Pogulation	TPGBi	-	-	-	-	-
Regulation	JIS	-	✓	1	1	✓
	Others	VIA	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Silver	Silver
Color	1 Quick release	Silver	-	-	-	-
	2 Hub shell	Black	Black	Black	Black	Black
	2 Quick release	Silver				
	type	Regular	Regular	Regular	Regular	Regular
	K mount type	-	-	6	- 6	- 6
	ge (V)	6	6			
Outp	ut (W) 26-28 inch	0.9	2.4	2.4	2.4	2.4
	20-28 inch	-	-	-	-	-
	18-28 inch	-	-	-	-	-
	16-28 inch	_	-	-	-	-
Wheel size	24-28 inch	-	1	-	1	-
	20-24 inch	1	-	1	-	1
	16-20 inch	-	-	-	-	-
	Compatible wheel	_	_	_	_	_
	size (mm)					
	g method	Quick release	Nut	Nut	Nut	Nut
	ease type	/	-	-	-	-
	type U type	-	1	1	1	-
	129		-	-	-	
Quick release skewer length (mm)	133	1	-	-	-	-
	100 x 12	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 12	_	_	-	-	-
mm)	(mm)	100	93	93	100	100
Flange dis		58	60	60	60	60
	t (mm)	0.5	0	0	3	3
	right (mm)	60	69	69	69	69
	gth (mm)	108	150/155	150	140	140
	e size	#13/#14	#13/#14	#14	#14	#14
	24H	-	-	-	-	-
Spoke hole	28H	-	-	1	-	-
эроке поје	32H	✓	-	-	-	-
	36H	✓	✓	-	✓	✓
Se	eal	Single contact				
	More than 26 inch high	-	-	-	-	-
Roller brake modulator grade	More than 26 inch	_	_	_	_	-
inodulator grade	standard				-	
	20-24 inch	-	-	-	-	-
	J1 type	-	-	-	-	-
Electric power output connector	J2 type	-	-	-	-	-
	E2 type Others	- √ (J2-A)	-	-	-	-
	Material	Aluminum	Aluminum+Steel	Aluminum+Steel	Aluminum+Steel	- Aluminum+Steel
Hub shell	Finish	Painted (black)/Passivation	Painted/Passivation	Painted/Passivation	Painted/Passivation	Painted/Passivation
-	Matarial	(silver)	Stool	Stool	Stool	Stool
Axle	Material Finish	Steel Phosphate coated	Steel Zinc plated	Steel Zinc plated	Steel Zinc plated	Steel Zinc plated
	Material	Steel	-	ziric piateu	Zinc plateu	zinc piated
Quick release lever	Finish	Plated	-	-	-	-
Ouick rologes	Material	Steel	-	-	-	-
Quick release housing	Finish	Plated	-	-	-	-
Out do not	Material	Steel+Resin	-	-	-	-
Quick release nut	Finish	-	-	-	-	-
Average v	weight (g)	474	630	630	630	630
No	ote	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market
		ј заран тагкет	заран тагкет	заран тагкет	јаран тагкес	јаран тагкет

CN

SMCN

RT

ВН

RTAD

ОТ

SMCB SMCA

RIVI

DH

LP

SMAX

PD

PD

PD

PD EW

GIVI

WU

вт

BIVI

SMBT

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SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Light

Seri	ies	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	SHIMANO
Mode	l no.	LP-C2200-B	LP-C2200-S	LP-C2201-B	LP-C2201-S	LP-C2207-B	LP-C2207-C
Function	n name	HILMO	HILMO	HILMO	HILMO	HILMO	HILMO
Auto	light	-	-	-	-	-	-
- ("	Front	✓	✓	1	1	1	✓
Type of light	Tail (rear)	-	-	-	-	-	-
Hub dynan	no output	0.9 W					
Main	light	High power LED					
Brightness (at 5 m dis	tance, JIS standard = x)	40 lx	40 lx	40 lx	40 lx	40 lx	40 lx
Lighting	pattern	Wide	Wide	Wide	Wide	Wide	Wide
Sub I	ight	-	-	-	-	-	-
Stand light (LED f	lashing) function	-	-	-	-	-	-
Reflector in	ntegration	✓	✓	1	✓	-	-
Electric power input	Tab-on type	-	-	-	-	-	-
Liceate power input	Connector type	J2-A	J2-A	J2-A	J2-A	J2-A	J2-A
Light body	material	Resin	Resin	Resin	Resin	Resin	Resin
	1	СР	СР	СР	СР	Silver/Black/Black	CP/Silver/Black
[2	Silver (painted)	Silver (painted)	Silver (painted)	Silver (painted)	Black/Gray/Black	CP/Silver/White
Color	3	White	White	White	White	-	-
Color	4	Black	Black	Black	Black	-	-
	5	Gray	Gray	Gray	Gray	-	-
	6	-	-	-	-	-	-
	Light stay	-	1	-	1	-	-
	Below basket	✓	-	1	-	1	-
	Fork center	-	-	-	-	-	✓
Attachment position	Handle bar	-	-	-	-	-	-
	On mud guard	-	-	-	-	-	-
	Mud guard style stay	-	-	-	-	-	-
	Seat stay	-	-	-	-	-	-
	13	-	-	-	-	-	-
Compatible seat stay diameter (mm)	16	-	-	-	-	-	-
	19	-	-	-	-	-	-
	22.2	-	-	-	-	-	-
Compatible handle bar diameter (mm)	25.4	-	-	-	-	-	-
	31.8	-	-	-	-	-	-
	Auto	-	-	-	-	-	-
Switch	Manual (on)	-	-	-	-	-	-
Switti	Manual (off)	-	-	-	-	-	-
	Permanent	✓	1	1	1	1	✓
Electric wire color	Black	-	-	-	-	-	✓
Liectric wire color	Gray	✓	1	1	1	1	-
Electric wire length	Tab-on type	-	-	-	-	-	-
Electric wire length (mm)	Connector type	715	405	715	405	710	500
EZ cable	clamp	-	-	-	-	-	-
Cord lengt	h adjuster	-	-	-	-	-	-
Compatible	wheel size	-	-	-	-	-	-
No	te	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market



Ser	ies	SHIMANO	NEXUS	NEXUS	NEXUS	NEXUS
Mode	el no.	LP-C2250-H	LP-C2111-S	LP-X101	LP-X101-H	LP-NX60-R
Functio	n name	HILMO	HILMO FLASH	-	-	-
Auto	light	-	-	1	1	-
- 68.14	Front	1	1	1	1	-
Type of light	Tail (rear)	-	-	-	-	1
Hub dynai	no output	0.9 W	6 V-0.9 W	6 V-2.4 W	6 V-2.4 W	6 V-2.4 W
Main	light	High power LED	High power LED	High power LED	High power LED	Super bright red LED
Brightness (at 5 m die 16	stance, JIS standard = lx)	40 lx	40 lx	80 lx	80 lx	-
Lighting	pattern	Wide	Normal	Normal	Normal	-
Sub	light	-	-	-	-	-
Stand light (LED 1	lashing) function	-	1	-	-	✓ (if used with LP- X103)
Reflector i	ntegration	-	1	-	1	-
Electric power input	Tab-on type	-	-	1	1	-
	Connector type	J2-A	J2-A	1	✓	1
Light bod	y material	Resin	Resin	Resin	Resin	Resin
	1	Silver/Black	СР	Silver (painted)	Silver (painted)	Silver (painted)
	2	-	Silver (painted)	White (painted)	White (painted)	White (painted)
Color	3	-	White	Black	Black	Black (painted)
	4	-	Black	Gray	Gray	-
	5	-	Gray	-	-	-
	6	-	-	-	-	-
	Light stay	-	1	1	1	-
	Below basket	-	-	-	-	-
	Fork center	-	-	-	-	-
Attachment position	Handle bar	1	-	-	-	-
	On mud guard	-	-	-	-	√ *
	Mud guard style stay	-	-	-	-	-
	Seat stay	-	-	-	-	-
	13	-	-	-	-	-
Compatible seat stay diameter (mm)	16	-	-	-	-	-
	19	-	-	-	-	-
Commetible bondle	22.2	1	-	-	-	-
Compatible handle bar diameter (mm)	25.4	1	-	-	-	-
	31.8	1	-	-	-	-
	Auto	-	-	1	1	-
Switch	Manual (on)	-	-	1	1	-
	Manual (off)	-	-	-	-	-
	Permanent	1	1	-	-	1
Electric wire color	Black	1	-	•	√	1
	Gray	-	1	-	-	1
Electric wire length (mm)	Tab-on type	- 200	-	400 120	410 160	- Available
	Connector type	800	405	-	-	Available -
EZ cable Cord lengt	-	-	-	-	-	-
Cord lengt		-	-	-	-	24-27 inch
	vineer size	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market	* Specification for Japan market (attached with special stay. 2 kinds of stays are available. One for internal geared hub, another for FREEHUB)

SMCN

RT

ВН

RTAD

ОТ

SMCB SMCA

RIVI

DH

LP

SMAX

PD PD

PD

PD

EW

EWC

GM

WU

JC

ВТ

BM

SMBT

SMBC

ВСС

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

E-THRU Axle (AX)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-AX720-100x12	SM-AX720-142x12	AX-MT700-142x12	AX-MT700-148x12	AX-MT700-157x12	AX-MT500-142x12
	135 x 10	-	-	-	-	-	-
	100 x 12	1	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	✓	1	-	-	✓
	148 x 12	-	-	-	1	1	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	✓	-
Lover position	Tool-less type	-	-	-	-	-	-
Lever position adjustment	Hexagon wrench type	1	~	1	√	1	~
	Thread pitch	M12 x 1.5					
	Length (mm)	121	163	166	172	181	166
Axle	Hollow axle	✓	✓	✓	✓	✓	✓
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Black anodized	Black anodized	Black anodized	Black anodized	Black anodized	Silver anodized
Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Lever	Finish	Black anodized	Black anodized	Black anodized	Black anodized	Black anodized	Painted (black)
Housing	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Housing	Finish	Black anodized	Black anodized	Black anodized	Black anodized	Black anodized	Painted (black)
Fixing nut	Material	-	-	-	-	-	-
rixing nut	Finish	-	-	-	-	-	-
Average v	veight (g)	65	74	75	76	79	79
No	te						

Ser	ies	SHIMANO	SHIMANO	SAINT	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	AX-MT500-148x12	AX-MT500-157x12	SM-AX80	SM-AX78	SM-AX78-B	SM-AX58
	135 x 10	-	-	1	-	-	-
	100 x 12	-	-	-	-	-	-
	135 x 12	-	-	1	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	-	-	✓	-	1
	148 x 12	1	-	-	-	1	-
	150 x 12	-	-	1	-	-	-
	157 x 12	-	1	-	-	-	-
1	Tool-less type	-	-	-	1	1	1
Lever position adjustment	Hexagon wrench type	1	1	1	-	-	-
	Thread pitch	M12 x 1.5	M12 x 1.5	M10 x 1.00 (10 mm), M12 x 1.75 (12 mm)	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	172	181	168/183	166	172	166
Axle	Hollow axle	1	✓	1	✓	1	✓
	Material	Aluminum	Aluminum	Chromoly steel	Aluminum	Aluminum	Aluminum
	Finish	Silver anodized	Silver anodized	Plated	Black anodized	Black anodized	Silver anodized
Lever	Material	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
Lever	Finish	Painted (black)	Painted (black)	-	Black anodized	Black anodized	Painted (black)
Housing	Material	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
Housing	Finish	Painted (black)	Painted (black)	-	Black anodized	Black anodized	Black anodized
Eiving nut	Material	-	-	Steel	-	-	-
Fixing nut	Finish	-	-	Plated	-	-	-
Average v	veight (g)	80	83	133 (135 x 10 mm) 160 (135 x 12 mm) 169 (150 x 12 mm)	77	78	81
No	te						



Ser	Series		SHIMANO	SHIMANO
Model no.		SM-AX58-B	SM-AX56	SM-AX56-B
	135 x 10	-	-	-
	100 x 12	-	-	-
	135 x 12	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	1	-
""",	148 x 12	1	-	1
	150 x 12	-	-	-
	157 x 12	-	-	-
	Tool-less type	1	1	1
Lever position adjustment	Hexagon wrench type	-	-	-
	Thread pitch	M12 x 1.5	M12 x 1.5	M12 x 1.5
	Length (mm)	172	171	177
Axle	Hollow axle	✓	1	✓
	Material	Aluminum	Aluminum	Aluminum
	Finish	Silver anodized	Silver anodized	Silver anodized
Lever	Material	Aluminum	Aluminum	Aluminum
Lever	Finish	Painted (black)	Painted (black)	Painted (black)
Housing	Material	Aluminum	Aluminum	Aluminum
Housing	Finish	Black anodized	Painted (black)	Painted (black)
Fixing nut	Material	-	Aluminum	Aluminum
rixing nut	Finish	-	Black anodized	Black anodized
Average v	veight (g)	82	75	77
No	ote			

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SMBC

BCC

EWEC

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Pedal (SPD)

Sa	ries	XTR	XTR	DEORE XT	GRX	DEORE XT	SHIMANO
	el no.	PD-M9100	PD-M9120	PD-M8100	PD-M8100-UG	PD-M8120	PD-M540
	1	Black	Black	Black	Black	Black	Silver
Color	2	-	-	-	-	-	Black
	3	-	-	-	-	-	-
Ту	pe	SPD	SPD	SPD	SPD	SPD	SPD
Bine	ding	Dual sided	Dual sided	Dual sided	Dual sided	Dual sided	Dual sided
Pedal axl	e material	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartrid	ge axle	1	1	1	1	1	1
Sealed m	echanism	1	1	1	1	1	1
Cleat retent	ion adjuster	1	1	1	1	1	1
Pop-u	p cage	-	-	-	-	-	-
Integra	ted cage	-	1	-	-	1	-
Offset	binding	1	-	-	-	-	-
Oval shape axl	e body housing	-	-	-	-	-	-
Cleat included	SM-SH51	1	✓	1	1	•	1
Cleat included	SM-SH56	-	-	-	-	-	-
Optional cleat	SM-SH51	-	-	-	-	-	-
Optional cleat	SM-SH56	1	√	1	1	✓	1
Refle	ector	SM-PD60 SM-PD22 (3 mm shorter axle type)	SM-PD60	SM-PD60	SM-PD60	SM-PD60	SM-PD22
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Pedal body	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized (silver)/Painted (bronze)
Cage	Material	-	-	-	-	-	-
Stack hei	ght (mm)	15.1	15.4	16.5	16.5	16.2	17.0
Pedal cer	nter (mm)	55	55	55	55	55	55
Average v	weight (g)	310 (/pair) (Short axle type) 314 (/pair) (Normal axle type)	398 (/pair)	342 (/pair)	342 (/pair)	438 (/pair)	352 (/pair)
No	ote	3 mm shorter axle available 1.0 mm cleat spacer included	1.0 mm cleat spacer included	1.0 mm cleat spacer included	United in Gravel limited edition, 1.0 mm cleat spacer included	1.0 mm cleat spacer included	



Ser	ries	SHIMANO	SHIMANO	SAINT	DXR	SHIMANO	SHIMANO
Mode	el no.	PD-M520	PD-M505	PD-M821	PD-MX70	PD-M647	PD-M324
	1	Silver	Silver	Black	Black	Black	Silver
Color	2	Black	Black	-	-	-	-
	3	White	-	-	-	-	-
Ту	pe	SPD	SPD	SPD	SPD	SPD	SPD/FlatPedal
Bino	ling	Dual sided	Dual sided	Dual sided	Dual sided	Dual sided	Single sided
Pedal axle	e material	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartrid	ge axle	✓	-	1	1	✓	-
Sealed m	echanism	✓	1	1	1	1	1
Cleat retent	ion adjuster	1	1	1	1	1	1
Pop-uj	p cage	-	-	-	-	1	-
Integrat	ed cage	-	-	1	1	-	-
Offset I	binding	-	-	-	-	-	-
Oval shape axle	e body housing	-	-	-	-	-	-
Cleat included	SM-SH51	✓	✓	1	1	✓	-
Cleat included	SM-SH56	-	-	-	-	-	✓
Outless I deat	SM-SH51	-	-	-	-	-	1
Optional cleat	SM-SH56	1	1	1	1	1	-
Refle	ector	SM-PD22	SM-PD22	SM-PD60	SM-PD60	SM-PD60	Y41B98010
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Pedal body	Finish	Polished (silver)/Painted (black)/Painted (white)	Polished (silver)/Painted (black)	Painted	Anodized	Painted	Painted
Cage	Material	-	-	-	-	Resin	Steel
Stack hei	ght (mm)	17.0	18.3	16.9	16.7	-	18
Pedal cen	iter (mm)	55	55	55	55	-	55
Average v	veight (g)	380 (/pair)	443 (/pair)	546 (/pair) (w/o pins & washers)	414 (/pair)	568 (/pair)	533 (/pair)
No	ote			4 height adjustable pins 1.0 mm cleat spacer included	Higher retention force and narrower release angle than normal SPD pedals 1.0 mm cleat spacer included		

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Pedal (SPD)

Se	ries	SHIMANO	DEORE XT	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	PD-ME700	PD-T8000	PD-ES600	PD-EH500	PD-ED500
	1	Black	Black	Dark gray	Dark gray	Dark gray
Color	2	-	-	-	-	-
	3	-	-	-	-	-
Ту	/pe	SPD	SPD/FlatPedal	SPD	SPD/FlatPedal	SPD
Bin	ding	Dual sided	Single sided	Single sided	Single sided	Dual sided
Pedal axl	e material	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartrid	lge axle	✓	1	1	1	1
Sealed m	nechanism	1	1	1	1	✓
Cleat reten	tion adjuster	1	1	1	1	✓
Pop-u	ıp cage	-	-	-	-	-
Integra	ted cage	1	-	-	-	1
Offset	binding	-	-	-	-	-
Oval shape axl	e body housing	-	-	-	-	-
Cleat included	SM-SH51	✓	-	1	-	-
Cleat included	SM-SH56	-	1	-	1	1
Optional cleat	SM-SH51	-	1	-	✓	1
Optional cleat	SM-SH56	1	-	1	-	-
Refl	ector	SM-PD60	Integrated	SM-PD62	SM-PD68	SM-PD60
De del le ede	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Pedal body	Finish	Painted	Anodized	Painted	Painted	Painted (Dark Gray)
Cage	Material	-	-	-	-	-
Stack he	ight (mm)	16.7	17.0	17.2	17.4	17.5
Pedal ce	nter (mm)	55	55	55	55	55
Average	weight (g)	540 (/pair)	392 (/pair)	279 (/pair)	383 (/pair)	442 (/pair)
Ne	ote	1.0 mm cleat spacer included		1.0 mm cleat spacer included	Light action	Light action

Pedal (CLICK'R)

Sei	SHIMANO		
	PD-T421		
Mode	Model no.		
	1	Black	
Color	2	-	
	3	-	
Ту	pe	SPD	
Bino	ding	Single sided	
Pedal axlo	e material	Chromoly steel	
Cartrid	ge axle	1	
Sealed m	echanism	1	
Cleat retent	ion adjuster	1	
Pop-u	p cage	1	
Integrat	ted cage	-	
Offset	binding	-	
Oval shape axl	e body housing	-	
Cleat included	SM-SH51	-	
Cleat included	SM-SH56	1	
Optional cleat	SM-SH51	1	
Optional cleat	SM-SH56	-	
Refle	ector	Integrated	
Dadal hade	Material	Aluminum	
Pedal body	Finish	Painted	
Cage	Material	Resin	
Stack hei	Stack height (mm)		
Pedal cer	nter (mm)	55	
Average v	weight (g)	418 (/pair)	
No	ote		

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EWEC

SMPCE

SMCB SMCA

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EWEX

Pedal (Flat Pedal)

Se	ries	SAINT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	lel no.	PD-M828	PD-M8140	PD-GR500	PD-GR400	PD-EF202	PD-EF205
	1	Black	Black	Black	Black	Black	Black
	2	-	-	Silver	Blue	Silver	Silver
	3	-	-	-	Red	Red	Red
Color	4	-	-	-	Orange (NEW)	Blue	Blue
	5	-	-	-	Purple (NEW)	Gold	Gold
	6	-	-	-	Green (NEW)	-	-
Ту	/ре	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal	Flat Pedal
Pedal ax	le material	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartric	lge axle	1	✓	✓	-	-	-
Sealed n	nechanism	1	✓	✓	✓	✓	✓
Cleat reten	tion adjuster	-	-	-	-	-	-
Рор-ц	ıp cage	-	-	-	-	-	-
Integra	ted cage	-	-	-	-	-	-
Offset	binding	-	-	-	-	-	-
Oval shape ax	le body housing	-	-	-	-	-	-
Ref	ector	SM-PD64A	SM-PD67	SM-PD64A	SM-PD70	SM-PD69	SM-PD69
Pedal body	Material	Aluminum	Aluminum	Aluminum	Resin	Aluminum	Aluminum
redai body	Finish	Anodized	Painted	Painted	-	Painted	Painted
Cage	Material	-	-	-	-	-	-
Wide p	olatform	-	-	-	-	-	-
Stack he	ight (mm)	8.2	9.1	9.4	8	10.8	10.8
Average	weight (g)	553 (/pair)	461 (/pair) (SM) 505 (/pair) (ML)	533 (/pair)	400 (/pair)	512 (/pair)	612 (/pair)
N	ote	12 pins per platform	10 pins per platform 2 platform size available (SM/ML)	9 pins per platform	9 pins per platform		

Pedal (Flat Pedal)

Ser	SHIMANO		
	el no.	PD-EF102	
	1		
	2	-	
	3	-	
Color	4	-	
	5	-	
	6	-	
Ту	pe	Flat Pedal	
Pedal axle	e material	Chromoly steel	
Cartrid	ge axle	-	
Sealed m	echanism	1	
Cleat retent	ion adjuster	-	
Pop-u	p cage	-	
Integrat	ted cage	-	
Offset I	binding	-	
Oval shape axlo	e body housing	-	
Refle	ector	Integrated	
Pedal body	Material	Resin	
redai body	Finish	-	
Cage	Material	-	
Wide p	Wide platform		
Stack hei	ght (mm)	9	
Average v	weight (g)	310 (/pair)	
No	ote		

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EWEC

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Pedal (SPD-SL)

Se	ries	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO	SHIMANO
Model no.		PD-R9100	PD-R8000	PD-R7000	PD-R550	PD-RS500
	1	Black	Black	Black	Black	Black
Color	2	-	-	-	Gray	-
	3	-	-	-	-	-
Ту	/pe	SPD-SL	SPD-SL	SPD-SL	SPD-SL	SPD-SL
Bin	ding	Single sided	Single sided	Single sided	Single sided	Single sided
Pedal axl	e material	Nickel chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartric	lge axle	-	1	✓	✓	1
Sealed m	nechanism	1	1	1	1	1
Cleat reten	tion adjuster	1	1	1	1	1
	SM-SH11	-	1	1	1	1
Cleat included	SM-SH12	1	-	-	-	-
	SM-SH10	1	1	1	1	1
Optional cleat	SM-SH11	1	-	-	-	-
	SM-SH12	-	1	1	1	1
Refl	ector	SM-PD63	SM-PD63	SM-PD65	SM-PD65	SM-PD65
	Material	Carbon	Carbon	Carbon	Resin	Resin
Pedal body	Finish	-	-	-	Painted	Painted
Body cov	er material	Special stainless	Special stainless	Stainless steel	Stainless steel	Stainless steel
Wide p	latform	1	1	1	1	-
Stack he	ight (mm)	14.6	15.8	16.5	16.5	16.5
Pedal ce	nter (mm)	52	53	53	53	53
Road clear	ance (deg.)	35	33	31	32	30
Average	weight (g)	228 (/pair)	248 (/pair)	265 (/pair)	310 (/pair)	320 (/pair)
N	ote	4 mm longer axle available, Hollow cleat screws	4 mm longer axle available	-	Wider spring tension range	-

Electric Wire

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-SD300	EW-SD300-I	EW-SD50	EW-SD50-I
Туре	For external routing	For internal routing	For external routing	For internal routing
Compatible system	E-TUBE	E-TUBE	E-TUBE	E-TUBE
SD50 port (pcs)	0	0	0	0
SD300 port (pcs)	0	0	0	0
SD50 connector (pcs)	0	0	2	2
SD300 connector (pcs)	2	2	0	0
Cord diameter	ø2.4	ø2.4	ø2.8	ø2.8
Plug diameter	ø3.45	ø3.45	ø5.1	ø5.1
Note	Cable length:150-1600 mm	Cable length:150-1600 mm	Cable length: 150 - 1,600 mm* * 1,600 mm is for E- BIKE usage only	Cable length: 150 - 1,600 mm* * 1,600 mm is for E- BIKE usage only

Cord Cover

Sei	Series		SHIMANO
Mode	Model no.		EW-CC300
Specif	cation	Long/Short	Long
	1	Black	Black
Color	2	White	White
	3	-	-
Len	gth	Long: 300 mm, Short: 50 mm	300 mm
Compatible electric wire		EW-SD50	EW-SD300
No	Note		

Grommet

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-GM300-S	EW-GM300-M	SM-GM01	SM-GM02
Compatible electric wire	EW-SD300	EW-SD300	EW-SD50	EW-SD50
Hole dimension on frame	6 mm circle	7 x 8 mm	6 mm circle	7 x 8 mm
Note				

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Wireless Unit

Ser	SHIMANO		
Mode	el no.	EW-WU111	
Wireless	system	ANT private *, Bluetooth®LE	
Maste	er unit	-	
Firmware update b	y E-TUBE PROJECT	✓	
SD50 po	ort (pcs)	2	
SD300 p	ort (pcs)	0	
SD50 conn	ector (pcs)	0	
SD300 con	nector (pcs)	0	
Compatib	Compatible system		
	Gear position	1	
	Di2 Battery level	1	
Function **	Adjust mode display	1	
	Suspension mode	1	
	Shift mode	1	
No	* ANT private has compatibility with ANT+ cycle computer but not freely open profile ** Display function depends on the specification of cycle computer		

Junction [A]

Series		SHIMANO	SHIMANO	SHIMANO	
Model no.		EW-RS910	SM-EW90-A	SM-EW90-B	
Туре		Built-in type	External type	External type	
Position		In side of frame or handle	Under stem	Under stem	
Wireles	Wireless system		-	-	
Compatible system		E-TUBE	E-TUBE	E-TUBE	
Compatible electric wire		EW-SD50	EW-SD50	EW-SD50	
Master unit		-	-	-	
Firmware update l	by E-TUBE PROJECT	✓	✓	~	
SD50 port (pcs)		2	3	5	
SD300 port (pcs)		0	0	0	
SD50 connector (pcs)		0	0	0	
SD300 connector (pcs)		0	0	0	
Connector for rem (Q	ote sprinter shifter TY)	0	0	0	
Port for remote sp	rinter shifter (QTY)	0	0	0	
Charging	port (pcs)	1	1	1	
Function	Gear position	✓	✓	✓	
	Di2 Battery level	✓	✓	✓	
	Adjust mode display	✓	✓	\	
	E-TUBE connection	1	1	1	
Average	weight (g)	11	10	13	
Note					



Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-AD305	EW-JC302	EW-JC304	EW-JC200	EW-JC130-SS	EW-JC130-SM
Туре	Conversion adaptor	2 ports junction	4 ports junction	2 ports junction	Y-split routing-SS	Y-split routing-SM
Master unit	-	-	-	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-	-	-	-
SD50 port (pcs)	1	0	0	2	0	0
SD300 port (pcs)	1	2	4	0	0	0
SD50 connector (pcs)	0	0	0	0	3	3
SD300 connector (pcs)	0	0	0	0	0	0
Average weight (g)	-	-	-	-	-	-
Note					Cable length 250 mm 350 mm 50 mm	Cable length 450 mm 350 mm 50 mm

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-JC130-MM	SM-JC41	SM-JC40
Туре	Y-split routing-MM	Built-in type	External type
Master unit	-	-	-
Firmware update by E-TUBE PROJECT	-	-	-
SD50 port (pcs)	0	4	4
SD300 port (pcs)	0	0	0
SD50 connector (pcs)	3	0	0
SD300 connector (pcs)	0	0	0
Average weight (g)	-	4.1	8.6
Note	Cable length 550 mm 550 mm 50 mm		

Battery

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	BT-DN300	BT-DN110-A	BT-DN110
Туре	Internal battery	Internal battery	Internal battery
Chemistry	Li-lon	Li-Ion	Li-lon
Rated voltage (V)	7.4	7.4	7.4
Rated capacity (Ah)	0.5	0.5	0.5
Rated capacity (Wh)	3.7	3.7	3.7
Compatible charger	RD-R9250, RD- R8150, RD-R7150, RD-RX825	SM-BCR2	SM-BCR2
Master unit	1	1	✓
Firmware update by E-TUBE PROJECT	1	1	✓
SD50 port (pcs)	0	1	1
SD300 port (pcs)	3	0	0
SD50 connector (pcs)	0	0	0
SD300 connector (pcs)	0	0	0
Average weight (g)	52	50	50
Note			

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Battery Mount

Series	SHIMANO	SHIMANO
Model no.	BM-DN100-S	BM-DN100-L
Specification	Short size battery mount	Long size battery mount
Wire routing	External/Internal	External
Master unit	1	1
Firmware update by E-TUBE PROJECT	1	✓
SD50 port (pcs)	1	1
SD300 port (pcs)	0	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Note	-	-

Battery Case

Series		SHIMANO
Mode	el no.	SM-BTC1
Cunnification	w/ Junction	√ *
Specification	w/o Junction	✓
Мо	Mount	
	SD50 port (pcs)	6 *
	SD300 port (pcs)	0
	SD50 connector (pcs)	0
Junction	SD300 connector (pcs)	0
	Compatible battery	BT-DN110, BT- DN110-A
	Compatible electric wire	EW-SD50
	Battery charging port	-
Note		* w/ Junction spec include one special cable for connecting battery and junction

Battery Charger

Series	SHIMANO
Model no.	SM-BCR2
Compatible battery	BT-DN110 BT-DN110-A
Charging cord	Including SM-BCR2
Note	PC linkage device with limited function

GENERAL

Charger Cord

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BCC1-1	SM-BCC1-2	SM-BCC1-3	SM-BCC1-4	SM-BCC1-5	SM-BCC1-6
Plug type	Type C	Type A	Type A	Type O	Type A	Type BF
Typical example country/region	Europe	USA/Canada	Japan	Australia/New Zealand	China	UK
Rated power input (V)	220/230	120	100	240	220	230/240
Cable length (m)	1	2	1	1	1	1
Note						

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BCC1-7	SM-BCC1-8	SM-BCC1-9	SM-BCC1-10	SM-BCC1-11	SM-BCC1-12
Plug type	Type C	Type A	Type B3L	Type O	Type C	Type C
Typical example country/region	Korea	Taiwan	South-Africa	Argentina	Israel	Brazil
Rated power input (V)	220	110	220/230	220	230	127/220
Cable length (m)	1	1	1	1	1	1
Note						

Series	SHIMANO
Model no.	SM-BCC1-13
Plug type	Type C
Typical example country/region	Thailand
Rated power input (V)	250
Cable length (m)	1
Note	

Charging Cable

Series	SHIMANO
Model no.	EW-EC300
USB connector	Type-A
Cable length (m)	1.5
Note	

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EWPS

PC Linkage Device

Series	SHIMANO
Model no.	SM-PCE02
USB port (pcs)	Micro-B: 1
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	0
PC link port (pcs)	1
LED	Green: 1
Note	

Cord Band

Sei	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	EW-CB300-S	EW-CB300-M	EW-CB300-L
Specif	ication	Cord Band S	Cord Band M	Cord Band L
Compatible	electric wire	EW-SD300	EW-SD300	EW-SD300
Handle ba	r diameter	ø22.2	ø31.8	ø35
Color	1	Black	Black	Black
Color	2	-	-	-
No	ote			

Cord Clip

Series		SHIMANO	SHIMANO
Model no.		EW-CL300-S	EW-CL300-M
Compatible	electric wire	EW-SD300	EW-SD300
Clamp d	liameter	ø2.3/ø4 for shift outer casing	ø2.3/ø5 for brake hose
Color	1	Black	Black
Color	2	-	-
Note			

GENERAL

CAN Adapter

Series	SHIMANO	SHIMANO
Model no.	EW-EX310	EW-EX010
Туре	CAN Adapter for Di2 (for general E-BIKE system)	CAN adapter for Di2 (for BOSCH ebike system)
Master unit	✓	✓
SD50 port (pcs)	0	2
SD300 port (pcs)	2	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Compatible electric wire	EW-SD300	EW-SD50
Note		Di2 adapter B (for BOSCH ebike system)

Electric Cable for Non SHIMANO E-BIKE SYSTEMS

Series	SHIMANO
Model no.	EW-PS300
Туре	E-BIKE
Compatible system	BOSCH Smart System
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	1 **
Cord diameter	-
Plug diameter	-
Note	* Cable length:1000mm, 1600mm ** Different shaped connector based on SD300 connector

CN

SMCN

ВН

RT

RTAD

ОТ

SMCB SMCA

RM

DH

LP

SMAX

PD PD

PD

PD

EVV

EWC

GM

WU

ВТ

BM

SMBT

SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

EWPS

<ABS>

Page	
292	SC
294	sw
296	DU
299	SMDU
301	SMDU
301	RT
302	FC
303	SMCR
306	SMCD
307	вт
313	вм
316	EWSW
316	EWCP
317	EC
319	SMBTE
319	SMDU
319	EWCA
320	BSAU
321	BSAS
321	BSAP
322	BSSS
322	SMPCE
323	BSEW
	294 296 299 301 301 302 303 306 307 313 316 316 317 319 319 319 320 321 321 322 322

Cycle Computer

Se	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	SC-EM800	SC-EN600	SC-EN610	SC-EN500	SC-E8000	SC-E7000
	1	Black	Black	Black	Black	Black	Black
Color	3	-	-	-	-	-	-
Battery mana	gement system	First generation/ Second generation	Second generation	Second generation	Second generation	First generation	First generation
Mount position	Center on handlebar Right on handlebar	-	-	/	-	-	j
· .	Others	-	* 🗸	-	* 🗸	-	-
	er unit s system	ANT private, Bluetooth®LE	-	-	-	ANT private, Bluetooth®LE	ANT private, Bluetooth®LE
	by E-TUBE PROJECT	Bluetooth®LE	-	-	1	Bluetooth®LE	Bluetooth®LE
l SD50 p	ort (pcs)	0	0	0	0	4	4 0
SD50 coni	port (pcs) nector (pcs)	0	0	0	Ö	Ö	0
Back	nector (pcs) c light ze (inch)	y	Ĭ	Ž	0 •	,	Ĭ
l B€	ep	1.6 ✓	1.6	2.8 ✓	1.4	1.6	1.39 ✓
Display o	letachable fixation	-	-	<i>-</i>	-	-	-
Display cha	ange hutton	1	-	-	1	7	1
Assist mode chang Reset	je (w/o switch unit) button battery	-	-	-	-	-	-
Inside System on	battery /off button	√	-	-	-	√	√
Light on/	off button	-	-	-	ý	-	-
Assist up/d Auto start	own button & auto stop	-	-	-	-	-	-
	l Clock l	1	1	1	-	1	1
	Assist mode display Assist on/off Walk mode display	1	1	1,	-,	1	1
	Battery charge level	1	1	1	1	7	1
	Light condition Current speed	1	1	1	7	7	-
	Current speed Gear position display	* 🗸	1	1	1	1	1
	Start mode Automatic shift	-	1	/	-	-	/
	mode	* ✓	1	1	-	**./	**./
	Maximum speed Average speed	7	7	7		** /	** /
Contents of display	Trip distance Trip time	<i>'</i>	1	7	-	** /	** /
	Odometer Estimated range	1	1	1	1	1	1
	Range overview	y	-	-	-	-	-
	Assist power indicator	√ .	1	1	-	1	
	Error message Cadence (rpm)	<i>'</i>	<i>'</i>	7	-	7	** /
	Human output power	-	-	-	-	-	-
	Calorie Shifting advice	-	-	-	-	-	-
	Maintenance alert Bluetooth®LE	1	1	1	*** ✓	-	1
	connection status Assist profile	✓	✓	1	-	-	√
	Assist profile Trip distance reset	· /	-	7	7	7	7
	Odometer reset Setting clear	1	-	-	-	-	-
	Clock adjustment	7	1	7	***-	1	1
	Start mode Shifting advise	-	-	1	-	-	-
	Back light on/off Light on/off	** /	1	1	*** - *** -	-	7
	Back light brightness	1	1	1	-	1	-
Setting menu	Beep on/off Unit (km/mile)	1	-	1	** /	1	1
	Font color	-	-	-	- ***	-	, ,
	Adjusting for shift	* 🗸		1	***-	* ✓	* /
	Adjusting for auto shift timing RD protection reset	* ✓	-		_	* ✓	* ✓
	Bluetooth®LE	1	✓	1	-	1	1
	Bluetooth®LE/ANT connection status	-	-	-	-	1	-
	Assist customize Assist profile select	1	-	-	-	-	-
	English	1	1	1	7	1	1
Language	German Dutch	<i>y</i>	1	1	-	1	1
Language	French Spanish	1	1	1	-	1	1
	Italian	Ż	24 (va) o clarer har "	Ž	-	Ž	Ž
Average	weight (g)	39	24 (w/o clamp band) 36 (w/ ø31.8 clamp band) 37 (w/ ø35.0 clamp band)	97	40	41	32
Note		2 spec of clamp band diameter 31.8 and 35.0 mm. * In case of Di2 ** In combination with assist mode switch	2 spec of clamp band diameter 31.8 and 35.0 mm. *integrate specification Display contents are customized by E- TUBE PROJECT	Handle bar diameter: 25.4,31.8 and 35.0 mm(3spec) Display contents are customized by E- TUBE PROJECT	* Left on handlebar (normal specification and I- SPEC EV specification) ** Setting by E- TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT	2 Spec of clamp band diameter: 31.8 and ø35.0 * In case of SEIS ** Option by E-TUBE PROJECT	* In case of SEIS ** Option by E-TUBE PROJECT

Cycle Computer

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SC-E6100	SC-E5000	SC-E5003	EW-EN100
	1	Black	Black	Black	Black
Color	2	-	-	-	-
Battery manac	ement system	First generation	First generation	First generation	First generation
	Center on handlebar Right on handlebar	<i>,</i>		-	
Mount position	Others	-	* 🗸	* 🗸	7
	er unit	ANT private	-	-	ANT private
	s system	ANT private, Bluetooth®LE	-	-	ANT private, Bluetooth®LE
Firmware update b SD50 po	ov E-TUBE PROJECT	√	√	0	√
SD300 p	ort (pcs)	0	0	1	0
SD50 conn	ector (pcs)	0	0	0	0
Back	nector (pcs) light		1	1	-
LCD siz	e (inch)	2.7	1.4	1.4	-
Display d	ep etachable	7	-	-	-
Display Display	fixation inge button	-	√	√	-
Acciet mode chang	a (w/a switch unit)	7	,	7	- /
Reset	button battery /off button	-	-	-	-
System on	off button	4	-	-	-
Light on/o	off button	7	- 1,	1	1
Assist up/a	own button & auto stop	-	-	-	-
	l Clock I	1	-,	-,	-,
	Assist mode display Assist on/off	1	-	-	-
	Walk mode display	1	1	✓.	1
	Battery charge level Light condition	1	- ·	-	-
	Current speed	V	✓	1	-
	Gear position display	✓	✓	✓	-
	Start mode	1	-	-	-
	Automatic shift mode	✓	✓	✓	-
	Maximum speed	** /	-		-
	Average speed Trip distance	7	1	· 🗸	-
Contents of display	Trip time	** ✓	-	-	-
	Odometer Estimated range	1	7	7	-
	Range overview	✓	-	-	-
	Assist power indicator	✓	-	-	-
	Error message Cadence (rpm)	** /		-	√
	Human output	-	-	-	-
	power Calorie				-
	Shifting advice	√.		-	
	Maintenance alert Bluetgoth®LE	1	*** 🗸	*** 🗸	-
	connection status	√	-	-	-
	Assist profile Trip distance reset	· /		7	-
	Odometer reset	-	-	-	-
	Setting clear Clock adjustment	1	-	-	-
	Start mode	1	*** -	*** _	-
	Shifting advise Back light on/off	1	***-	***-	-
	Light on/off Back light	-	*** -	*** -	-
	brightness	1	-	-	-
Setting menu	Beep on/off Unit (km/mile)	1	- ** √	** ✓	-
J	Font color	1	-	-	-
	Adjusting for shift Adjusting for auto	* ✓	***-	*** -	* 🗸
	l 'shift t imina l	* ✓	*** -	*** -	-
	RD protection reset Bluetooth®LE	* ✓	-	-	* ✓
	pairing Bluetooth®LE/ANT	1	-	-	/
	connection status	-	-	-	-
	Assist customize Assist profile select	-	-	-	-
	English	1	1	1	-
	German Dutch	1	-	-	-
Language	French	1	-	-	-
	Spanish Italian	1	-	-	-
Average v	Average weight (g)		40	39	6
No	ote	* In case of SEIS ** Option by E-TUBE PROJECT	* Left on handlebar (normal specification and I- SPEC EV specification) ** Setting by E- TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT	* Left on handlebar (normal specification and I- SPEC EV specification) ** Setting by E- TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT	* Set by switch operation in case of SEIS

SC

SW

DU

SMDU

SMDU

RT

-C

SMCR

SMCD

ВТ

BIVI

EWSW

EWCP

EC

SMBTE

SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

Switch Unit

Sei	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.		SW-EM800-L	SW-EN600-L	SW-EN600-R	SW-E8000-L	SW-E7000-L	SW-E7000-R
Switch	h type		-	-	-	FIREBOLT	-	-
		1	Black	Black	Black	Black	Black	Black
Color	- 1	2	-	-	-	-	-	-
	3	3	=	-	-	-	-	-
Battery manag	jement syst	em	First generation/ Second generation	Second generation	Second generation	First generation	First generation	First generation
Usa	age		For assist	For assist	For SEIS shift	For assist	For assist	For SEIS shift
Righ	t SW		-	-	✓	-	-	✓
Left	: SW		✓	1	-	✓	✓	-
Button nur	nbers (pcs)		2	5	3	2	2	2
Maste	er unit		-	-	-	-	-	-
Firmware update b	y E-TUBE P	ROJECT	√	1	1	✓	1	✓
SD50 po	ort (pcs)		0	0	0	1	0	0
SD300 p	ort (pcs)		1	1	1	0	0	0
SD50 conn	ector (pcs)		0	0	0	0	1	1
SD300 coni	nector (pcs)		0	0	0	0	0	0
System	On-Off		-	1	-	-	-	-
Assist mo	de change		✓	1	-	✓	1	-
Display	change		-	1	-	-	-	-
Automatic/m	anual chan	ge	-	-	1	-	-	1
Light (On-Off		-	1	-	-	-	-
Multiple input	2 s	tep	-	-	-	-	-	-
- Marapie inpac	Ho	old	* 🗸	-	** ✓	✓	1	✓
LED	Batter	y level	-	1	-	-	-	-
	Assist	status	-	1	-	-	-	-
	Bluetoot	Di2 data items	-	1	-	-	-	-
Wireless function	Bluetoot h® LE custom (*1)	SHIMAN O E-BIKE SYSTEM S data items	-	1	-	-	-	-
wireless function		Dj2 data items	-	1	-	-	-	-
	ANT private (*2)	SHIMAN O E-BIKE SYSTEM S data items	-	1	-	-	-	-
Average v	weight (g)		24.5	24	22	93.2	** 23.9	** 23.9
Note *1 Compatible cycle computer and si not freely open pro with ANT+ cycle con open p	with a Blue martphone/ ofile. *2 Con nputer but i orofile.	etooth LE tablet but npatible not freely	* Set by E-TUBE PROJECT		** Available for rear derailleur			* Available for rear derailleur ** Cable length 700 mm spec. Cable length: 400 mm, 300 mm, 700 mm

Switch Unit

Se	ries		SHIMANO	SHIMANO	SHIMANO
Mod	el no.		SW-E6010-L	SW-E6010-R	SW-E6000
Switc	h type		-	-	-
		1	Black	Black	Black
Color	2		-	-	-
	:	3	-	-	-
Battery manag	gement syst	tem	First generation	First generation	First generation
Us	age		For assist	For SEIS shift	* For assist or SEIS shift
Righ	t SW		-	1	1
Left	sw sw		√	-	1
Button nu	mbers (pcs)		3	3	3
Maste	er unit		-	-	-
Firmware update l	by E-TUBE P	ROJECT	√	✓	1
SD50 p	ort (pcs)		0	0	0
SD300 p	ort (pcs)		0	0	0
SD50 conr	ector (pcs)		1	1	1
SD300 con	nector (pcs)		0	0	0
System	On-Off		-	-	-
Assist mo	de change		✓	-	1
Display	change		1	1	* 🗸
Automatic/m	anual chan	ge	1	1	* 🗸
Light	On-Off		*_	-	* 🗸
Baulain la immua	2 s	tep	-	-	-
Multiple input	Н	old	-	** ✓	-
150	Batter	y level	-	-	-
LED	Assist	status	-	-	-
	Pluotoot	Di2 data items	-	-	-
Mindon (Bluetoot h® LE custom (*1)	SHIMAN O E-BIKE SYSTEM S data items	-	-	-
Wireless function		Di2 data items	-	-	-
	ANT private (*2)	SHIMAN O E-BIKE SYSTEM S data items	-	-	-
Average	weight (g)		31.3	31.3	25.5
Note *1 Compatible cycle computer and s not freely open pr with ANT+ cycle con open	Note *1 Compatible with a Bluetooth LE cycle computer and smartphone/tablet but not freely open profile. *2 Compatible with ANT+ cycle computer but not freely open profile.		* By Setting Menu	** Available for rear derailleur	* Set by E-TUBE PROJECT

SC

SW

DU

SMDU

SMDU

RT

-C

SMCR

SMCD

ВТ

BM

EWSW

EWCP EC

SMBTE

SMDU

EWCA

BSAU

BSAS

BSAP

_ ----

BSSS

SMPCE

Drive Unit

Sei	ries	EP8	EP8	EP6	EP6	EP5	EP8
Mode	el no.	DU-EP801	DU-EP801-CRG	DU-EP600	DU-EP600-CRG	DU-EP500	DU-EP800
	1	Black	Black	Black	Black	Black	Black
Color	2 3	-	-	-	-	-	-
Battery manag	ement system	Second generation	Second generation	Second generation	Second generation	Second generation V-BRAKE, Roller	First generation
1	brake type	Disc brake	Disc brake	Disc brake	Disc brake	Coaster brake,	Disc brake
Posi	r type tion	Brushless motor Midship	Brushless motor Midship	Brushless motor Midship *1300-3000	Brushless motor Midship	Brushless motor Midship 1300-3000	Brushless motor Midship
Compatible w	heel size (mm) ed power (Watt) corque (Nm)	Midship *1300-3000	Midship *1300-3000	*1300-3000	Midship *1300-3000	1300-3000	Midship **1300-3000
Maximum t	torque (Nm)	250 85	250 85	250 85	250 85	250 60	250 85
Maximum ass Rated	ist support(%) voltage	400 36 V DC	400 36 V DC	400 36 V DC	400 36 V DC	400 36 V DC	400 36 V DC
Di2 compatible	Internal geared hub	1	1	7	<i>'</i>	1	
	Rear derailleur 24 km/h	-	-	-	-	-	-
Maximum cunnart	25 km/h 20 mph	*/	*/	*/	*/	1	** /
Maximum support bike speed	28 mph	*****/	*****/	*****	*****	******	-
	Other Adjustment	-	-	-	-	-	* 🗸
	Dynamic	•	-	-	-	-	·
	Explorer Customize	-	-	-	-	-	-
Riding characteristics	Sportive/Light off- road	-	-	-	-	-	-
	Comfort	-,	-,	-	-	-,	-,
	Basic mode Finetune mode		7	7	7	1	<u> </u>
Assist customize	Number of profile BOOST	2	2	2	2	2	2
	HIGH	1	1	1	1	1	-
Assist mode	TRAIL NORMAL	1	1	1	1	1	<u>-</u>
Downer and the	ECO for front light	12 1/ 00	12 1/ 00	12 1/ 00	12 1/ 00	12 / DC	12 1/ 00
Power supply	for rear light	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC
Maximum current so	upply front and rear	2.0	2.0	2.0	2.0	2.0	2.0
Power supply and n	naximum current for	13.5 V DC / 2.0 A	13.5 V DC / 2.0 A	13.5 V DC / 2.0 A	13.5 V DC / 2.0 A	-	-
Power supply and n	CC naximum current for port	12 V DC / 2.0 A	12 V DC / 2.0 A	12 V DC / 2.0 A	12 V DC / 2.0 A	-	_
Safe way ho	me function	1	1	1	1	1	1
Commu	nication er unit	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE
Firmware update k	by E-TUBE PROJECT	,	<i>,</i>	7	,	Ž	,
SD300 p	ort (pcs) ort (pcs)	3	3	3	3	2	2
SD50 conn	nector (pcs)	0	0	0	0	0	0
Terminal fo	nector (pcs) or light (pcs)	1	1 ***2	1 ***2	1 ***2	1	1
Port for electr Port for Speed Sensor (pcs)	SD50 type	0	0	0	0	0	0
Sensor (pcs)	SD300 type compatible	1	1	1	1	1	<u>1</u>
Chain device	e compatible	1	1	1	1	1	√.
Crank arm po	sensor osition sensor	7	1	7	7	1	
Bike spee	ed sensor e sensor	****/	****/	****/	****/	****/	*** /
Cauence	On/Off	*/	*/	*/	*/	*/	** ✓
Walk assist function	Standard Intelligent	*****	*****	*****	*****	- ***** /	* 🗸
	Quičk	✓ *	✓ *	✓ `	✓ *	✓ .	j
	Internal geared hub 11-speed	-	-	-	-	-	-
	Internal geared hub 8-speed	*****	✓	*****	✓	*****	* 🗸
Automatic shift	Internal geared hub	-	-	-	-	-	-
	Internal geared hub 5-speed (INTER-5E)	*****	1	*****	1	*****	* 🗸
	Rear derailleur	*****	1	*****	1	*****	-
SYMPHOMATIC	Internal geared hub Rear derailleur	/	<u> </u>		<u> </u>		* ✓
FREE Flectronic shift has	SHIFT	1	1		1	-	
Electronic shift by Compatible	spindle type	24mm narrow	24mm narrow	24mm narrow	24mm narrow	24mm narrow	- 24mm narrow
Drive unit fixi	ng screw (pcs) veight (kg)	<u>6</u> 2.7	6	3.0	6	6 3.0	<u>6</u> 2.6
	J	*Set by E-TUBE PROJECT	2.7 For CARGO bike *Set by E-TUBE PROJECT	*Set by E-TUBE PROJECT	3.0 For CARGO bike *Set by E-TUBE PROJECT		
		**Can be selected	PROJECT	**Can be selected	PROJECT **Cap be calacted		
		by E-TUBE PROJECT	**Can be selected by E-TUBE PROJECT	by E-TUBE PROJECT	**Can be selected by E-TUBE PROJECT	* Set by E-TUBE PROJECT	
		Factory. Boost/Trail/Eco	E-TUBE PROJECT Factory. Boost/Trail/Eco	Factory. Boost/Trail/Eco	Factory.	** Can be selected by E-TUBE PROJECT	
		High/Normal/Eco ***CAN			Factory. Boost /Trail/Eco or	by E-TUBE PROJECT Factory	* In case of Di2 ** Set by E-TUBE PROJECT *** By using EW- \$\$300
l No	Note		High/Normal/Eco ***CAN translation:1	High/Normal/Eco ***CAN translation:1	High/Normal/Eco	**** In combination	PROJECT
		translation:1	translation:1	translation:1		SS301/SS302	SS300
		****In combination with EW-SS300/ SS301/SS302 *****In case of Di2	****In combination with EW-SS300/ SS301/SS302 *****In case of Di2	****In combination	****In combination with EW-SS300/ SS301/SS302 *****In case of Di2	**** In combination with EWSS300/ SS301/SS302 ***** In case of Di2 ***** US	EW-SS301
		\$\$301/\$\$300/	with EW-SS300/ SS301/SS302	\$\$301/\$\$300/	with EW-SS300/ SS301/SS302	Class3(comply with California)only	
1		*****U\ (ass 3	*****In case of Di2	translation: I AUX:1 ****In combination with EW-SS300/ \$S301/SS302 *****In case of Di2 ******US Class 3 (comply with California) only	*****In case of Di2	Caor.ma/ormy	
		(comply with California) only	(comply with	(comply with California) only	******US Class 3 (comply with		
		camonia, only	California) only	caonu/ omy	California) only		

Drive Unit

Ser	ies	EP8	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	DU-EP800-CRG	DU-E8000	DU-E8080	DU-E7000	DU-E6100	DU-E6100-CRG
Color	1 2	Black	Black	Black	Black	Black	Black
	3						
Battery manag		First generation	First generation	First generation	First generation	First generation V-BRAKE, Roller brake, Disc brake	First generation
Compatible Motor	,,	Disc brake Brushless motor	Disc brake/V-BRAKE Brushless motor	Disc brake Brushless motor	Disc brake/V-BRAKE Brushless motor	brake, Disc brake Brushless motor	Disc brake
I Doci	tión I	Midship	Midship	Midship	Midship	Midship	Brushless motor Midship
Compatible w Continuous rate Maximum t	heel size (mm) ed power (Watt)	**1300-3000 250	*1300-3000 250	*1300-3000 250	*1300-3000 250	*1300-3000 250	**1300-3000 250
Maximum t Maximum assi	orque (Nm)	85 400	70	70	60	60	60
Rated v	oltage	36 V DC	36 V DC	36 V DC	36 V DC	36 V DC	36 V DC
Di2 compatible	Internal geared hub Rear derailleur	1	*./	*./	-	1	1
	Rear derailleur 24 km/h	** /	-	Ž	*/	* /	**./
Maximum support bike speed	25 km/h 20 mph	** ✓	*/		*/	* ✓	** ✓
bike speed	28 mph Other	-	-	-	-	-	-
	Adjustment	-			* ✓	* 🗸	** ✓
	Dynamic Explorer	-	*./	-	*/	-	-
Didina	Customize	-	*•	-	*•	-	-
Riding characteristics	Sportive/Light off- road Comfort	-	-		-	* ✓	** ✓
	Basic mode	-	-	-	-	* ✓	** ✓
A	Finetune mode	Ž	-	-	-	-	-
Assist customize	Finetune mode Number of profile BOOST	<u> </u>	1	<u> </u>	<u> </u>	- I	1 -
Assist mode	HIGH TRAIL	-	-	✓	-	✓	√
	NORMAL	-	-	<u>-</u> ✓	-	- ✓	- -
Power supply	ECO for front light	12 V DC	6 V DC	6 V DC	12 V DC	√ 12 V DC	√ 12 V DC
		12 V DC	6 V DC	6 V DC	12 V DC	12 V DC	12 V DC
Maximum current su light to	upply front and rear	2.0	2.0	2.0	2.0	2.0	2.0
Power supply and m	aximum current for	-	-	-	-	-	-
Power supply and m	naximum current for	-	-	-	-	-	-
Safe way ho	me function nication	√ E-TUBE	F-TUBE	√ E-TUBE	F-TUBE	√ E-TUBE	F-TUBE
l Macto	r unit l	F-10RF	F-10RF	F-10RF	F-10RF	F-10RF	F-10RF
Firmware update b SD50 po SD300 p	y E-TUBE PROJECT	/	4	√	4	√	√
SD300 p	ort (pcs)	2	0	0	0	0	0
SD50 conn SD300 conr	ector (pcs) nector (pcs)	0	0	0	0	0	0
Terminal fo	ector (pcs) nector (pcs) r light (pcs) c devices (pcs) SD50 type SD300 type compatible	1	1	1	1	1	1
Port for Speed Sensor (pcs)	SD50 type	0	1	1	1	1	1
Sensor (pcs) Chain case	SD300 type compatible	1 -	0	0	0	0	0
Chain device	compatible	1	1	1	J	- <u>-</u>	-
Crank arm po	sensor sition sensor	1	1		1	1	1
Bike spee	ed sensor e sensor	*** /	** /	** /	** ✓	** √	*** ✓
Cauence	On/Off I	** ✓	7	-	*/	* /	** ✓
Walk assist function	Standard Intelligent	* /	*** /	-	**•	*** 🗸	* 🗸
	Ouičk l	j	, i	-	j	<i>,</i> '	j
	Internal geared hub 11-speed	-	-	-	-	-	-
	Internal geared hub	* 🗸	-	-	-	✓	✓
Automatic shift	Internal geared hub 7-speed	-	-	-	-	-	-
	Internal geared hub 5-speed (INTER-5E)	* 🗸	-	-	-	1	1
	Rear derailleur	-	-	-	-	-	-
SYMPHOMATIC	Rear derailleur Internal geared hub Rear derailleur	* ✓	-		-	✓	√
FREE Electronic shift by Compatible	SHIFT	-	-	-	-	-	-
Compatible	spindle type	24mm narrow	- 24mm	- 24mm	- 24mm	24mm	24mm
Drive unit fixi Average w	ng screw (pcs)	6 2.6	2.88	2.89	2.79		2.76
Average W	reight (kg/	* In case of Di2	* Set by E-TUBE		* Set by E-TUBE	2.76 * Set by E-TUBE PROJECT	
No	rte	** Set by E-TUBE PROJECT *** By using EW- SS300 EW-SS301	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11 *** By using RD- M9050/RD-M8050	* Set by E-TUBE PROJECT ** By using SM- DUE11	PROJECT ** By using SM- DUE10/SM-DUE11 *** By using RD- M9050/RD-M8050	PROJECT ** By using SM- DUE10/SM-DUE11 *** Only in combination with Di2	* In case of DI2 **Set by E-TUBE PROJECT ***By using SM- DUE10/SM-DUE11

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SMPCE

Drive Unit

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	DU-E6110	DU-E6180	DU-E5100	DU-E5000	DU-E5080	DU-E5080-H
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
Battery manag	ement system	First generation	First generation	First generation	First generation	First generation	First generation
Compatible	brake type	Coaster brake	V-BRAKE, Roller brake, Disc brake	First generation V-BRAKE, Roller brake, Disc brake, Coaster brake	First generation V-BRAKE, Roller brake, Disc brake, Coaster brake	First generation V-BRAKE, Roller brake, Disc brake, Coaster brake	First generation V-BRAKE, Roller brake, Disc brake, Coaster brake
	r type	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Coaster brake Brushless motor	Coaster brake Brushless motor
Posi Compatible w	hool cizo (mm)	Midship *1300-3000	Midship *1300-3000	Midship 1300-3000	Midship *1300-3000	Midship *1300-3000	Midship *1300-3000
Continuous rate	ed power (Watt)	250 60	250 60	250 50	250 40	250 40	250 40
Maximum ass	ed power (Watt) orque (Nm) st support(%) voltage	36 V DC	36 V DC	300 36 V DC	36 V DC	36 V DC	36 V_DC
Di2 compatible	Internal geared hub	36 V DC	36 V DC ✓	36 V DC	36 V DC ✓	36 V DC	36 V DC
Diz compatible	ı kear derailleur i	-		J	/	1	1
	24 km/h 25 km/h	*•	-	1	*✓	-	-
Maximum support bike speed	20 mph 28 mph	*/	-	√	*.	-	-
	Other	-	-	-	-	-	-
	Adjustment Dynamic	*.	* ✓	-	* ✓	*/	*/
	Explorer Customize	-	-	-	-	-	-
Riding	Sportive/Light off- road	*-/	*./	1	*.	-	1
characteristics	Comfort	*•	*•	1	1	1	-
	Basic mode Finetune mode	-	-	-	- -	-	-
Assist customize	Number of profile BOOST	1	1	1	1	1	1
	HIGH	- -	- /	1	-	-	-
Assist mode	TRAIL NORMAL		-	-	-	-	-
	FCO I	7	7	7	7	7	7
Power supply Power supply	for front light for rear light	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC	12 V DC 12 V DC
Maximum current so	upply front and rear	2.0	2.0	2.0	2.0	2.0	2.0
Maximum current si light to Power supply and n	aximum current for	-	-	-	-	-	-
Power supply and n	naximum current for	_	_	_	_	_	_
Power supply and n CAN Safe way ho	me function	1	1	1	1	1	
Commu	nication er unit	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE
Firmware update k	y E-TUBE PROJECT	7	7	7	7	7	7
SD50 pc	ort (pcs) ort (pcs)	0	0	0	0	0	0
SD50 conn	ort (pcs) ector (pcs)	0	0	0	0	0	0
Terminal fo	nector (pcs) r light (pcs)	1	1	1	1	1	1
Port for electric	c devices (pcs) SD50 type SD300 type	0	1	1	1	0	0
Sensor (pcs)	SD300 type	Ó	0	-	0	0	0
Chain case Chain device			<u>-</u>		<u>-</u>		
Crank arm no	sensor sition sensor	1	1	-	-	-	-
Bike spec	ed sensor e sensor	**,/	**,	** √	** 🗸	** 🗸	** 🗸
Cadence	On/Off Standard	* /	-	*.	*.	-	-
Walk assist function	Standard Intelligent	- *** √	-	- *** √	- *** /	-	-
	Quick	,	-	Ĭ	,	-	-
	Internal geared hub 11-speed	-	=	-	-	-	-
	Internal geared hub 8-speed	✓	✓	***	1	1	✓
Automatic shift	Internal geared hub	-	-	-	-	-	-
	Internal geared hub 5-speed (INTER-5E)	✓	1	***	1	1	1
		-	-	-,	-	-	-
SYMPHOMATIC	Rear derailleur Internal geared hub Rear derailleur SHIFT drive unit control spindle type ng screw (pcs) veight (kg)	-		-	- -	-	-
FREE Flectronic shift has	SHIFT drive unit control	-	-	-	-	-	·
Compatible	spindle type	24mm	24mm	Square	Square	Square	Square
Drive unit fixi	ng screw (pcs) /eiaht (ka)	2.7	2.81	2.38	2.38	2.38	2.38
	J J	* Set by E-TUBE		2.38 * Set by E-TUBE PROJECT	* Set by E-TUBE		
		* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11 *** Only in combination with Di2	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11	** In combination	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11 *** Only in	* Set by E-TUBE	* Set by E-TUBE
No	ote	DUE10/SM-DUE11 *** Only in	** By using SM-	with SM-DUE10/SM- DUE11 *** Only in	DUE10/SM-DUE11 *** Only in	PROJECT ** By using SM- DUE10/SM-DUE11	PROJECT ** By using SM- DUE10/SM-DUE11
		combination with	DUE10/SM-DUE11	combination with	combination with Di2	DUE10/SM-DUE11	DUE10/SM-DUE11
		DIZ		Di2	DIZ		

Drive Unit Cover

Sei	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	DC-EP801-A	DC-EP801-B	DC-EP801-G	DC-EP800-A	DC-EP800-B	DC-EP800-G
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
	Right	-	-	-	-	-	-
	Left	✓	✓	-	✓	✓	-
Cover	Bottom	-	-	✓	-	-	•
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive unit angle (deg.)		0-60	0-60	0-60	0-60	0-60	0-60
No	ote				-	-	-

Se	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	SM-DUE80-A	SM-DUE80-B	SM-DUE70-A	SM-DUE70-B	SM-DUE70-C	SM-DUE61-T
	1	Gray	Gray	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
	Right	1	1	✓	1	-	✓
	Left	1	1	1	1	✓	1
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive unit angle (deg.)		0-60	0-60	0-60	0-60	0-60	0-60
No	ote	Standard cover	Mount screw cover	-	-	-	-

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-DUE61-TCRG	SM-DUE61-TC	SM-DUE61-C	SM-DUE61-CCRG	SM-DUE61-CC	SM-DUE60
	1	Black	Black	Black	Black	Black	Gray
Color	2	-	-	-	-	-	Black
	3	-	-	-	-	-	-
	Right	✓	✓	✓	✓	✓	✓
	Left	✓	✓	✓	✓	✓	-
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive unit angle (deg.)		0-60	0-60	0-60	0-60	0-60	0
Note		CARGO logo for DU- E6100-CRG	-	-	CARGO logo for DU- E6100-CRG	-	-

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SMDU

SMDU

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SMCR

SMCD BT

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EWSW

EWCP EC

SMBTE SMDU

EWCA

BSAU

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BSAP BSSS

SMPCE

Drive Unit Cover

Sei	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-DUE60-45	SM-DUE60-A	SM-DUE60-45A	SM-DUE50-T	SM-DUE50-TC	SM-DUE50-C
	1	Gray	Gray	Gray	Black	Black	Black
Color	2	Black	Black	Black	-	-	-
	3	-	-	-	-	-	-
	Right	1	1	~	1	-	•
	Left	-	-	-	1	✓	✓
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive unit angle (deg.)		45	0	45	0-60	0-60	0-60
No	ote	-	For internal cable routing	For internal cable routing	-	-	-

Se	SHIMANO						
Mod	Model no.						
	1	Black					
Color	2	-					
	3	-					
	Right	-					
	Left	✓					
Cover	Bottom	-					
	Front	-					
	Connector	-					
Available drive	0-60						
No	ote	-					

Speed Sensor Unit

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	EW-SS302	EW-SS301	EW-SS300	SM-DUE11	SM-DUE10
Brake spec	Disc	1	1	✓	✓	1
втаке ѕрес	Rim	-	-	✓	-	1
	1	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-
	3	-	-	-	-	-
Battery manag	gement system	Second generation	Second generation	Second generation	First generation	First generation
	Spoke fixing type	-	-	✓	-	1
	Magnet integrated rotor	-	1	-	1	-
Magnet type	Magnet integrated lock ring	1	-	-	-	-
	Magnet bracket for 6-bolt rotor	-	-	-	-	-
SD50 conn	ector (pcs)	0	0	0	1	1
SD300 coni	nector (pcs)	1	1	1	0	0
	340	-	-	✓	-	1
Cable length (mm)	540	-	-	1	-	1
Cable leligth (mm)	760	1	1	1	1	1
	1400	1	1	1	-	1
No	ote	w/o Magnet set	w/o Magnet set	Spoke magnet set included	w/o Magnet set	Spoke magnet set included

Disc Brake Rotor

S	eries		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Мо	del no.		RT-EM910	RT-EM810	RT-EM600	RT-EM300
CENT	ER LOCK		1	1	✓	1
6-bolt (P.	C.D. 44 mm)		-	-	-	-
ICE TECH	INOLOGIES		1	1	-	-
ICE TECHNO	LOGIES FREE	ZA	1	1	-	-
	20	03	√ *	√ *	√ *	√ *
Outside diameter 180		80	√ *	√ *	√ *	√ *
Outside diameter (mm)	10	60	√ *	√ *	√ *	√ *
140		40	-	-	-	-
Alloy	lock ring		1	1	-	-
A dometou	Mat	erial	Aluminum	Aluminum	Aluminum	Steel
Adapter	Fin	ish	Painted	Painted	Painted	Painted
Rotor	Mat	erial	Stainless steel+Aluminum+St ainless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel	Stainless steel
	Fin	ish	Polished	Polished	Polished	Polished
Pad material	Me	etal	1	1	1	-
Pad material compatibility	Re	sin	1	1	1	1
	Internal	Material	Aluminum	Aluminum	Steel	-
	type	Finish	Anodized	Anodized	Plated	-
Lock ring	External	Material	Aluminum	Aluminum	Steel	-
LOCK ring	type	Finish	Anodized	Anodized	Plated	-
	Internal/	Material	-	-	-	Steel
	external type Finish		-	-	-	Painted
Average weight (g) (w/o lock ring)		113 (160 mm), 140 (180 mm), 154 (203 mm)	113 (160 mm), 140 (180 mm), 166 (203 mm)	-	-	
Note		* For rear only with magnet bracket Painted fin	* For rear only with magnet bracket	* For rear only with magnet bracket	* For rear only wi magnet bracket	

SC

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Crank Arm

Ser	ries	SHIMANO	SHIMANO	SHIMANO	DEORE XT	DEORE XT	SHIMANO
Mode	Model no.		FC-EM600	FC-EN500	FC-M8150	FC-M8050	FC-E8050
	1	Black	Black	Black	Series color	Series color	Black
Color	2	-	=	Silver	-	-	-
	3	-	-	-	-	-	-
Crank arm type	HOLLOWTECH	✓	-	-	✓	✓	✓
станк анн туре	Solid	-	√	1	-	-	-
Q facto	or (mm)	177 (DU-EP800)	177 (DU-EP800)	178	177 (DU-EP800)	177, 180 *	177, 180 *
Chain case	compatible	~	✓	✓	✓	√ *	√ *
	175	~	✓	1	✓	1	1
	172.5	-	-	-	-	-	-
Crank arm length (mm)	170	✓	✓	✓	✓	✓	✓
(mm)	165	✓	✓	-	✓	✓	-
	160	~	✓	-	✓	-	-
	Others	-	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Painted	Anodized	Anodized	Anodized
BB t	уре	24mm narrow	24mm narrow	24mm narrow	24mm narrow	24mm	24mm
Average v	veight (g)	-	-	-	-	-	-
No	ote	•	-	-	-	* In case with DU- E6100/E6110/E6180/ E7000	* In case with DU- E6100/E6110/E6180/ E7000

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FC-E8000	FC-E6100	FC-E6010	FC-E5000	FC-E5010
	1	Black	Silver	Black	Silver	Black
Color	2	-	Black	Gray	-	-
	3	-	-	-	-	-
Cuank aum tuna	HOLLOWTECH	-	-	-	-	-
Crank arm type	Solid	1	✓	1	1	1
Q facto	or (mm)	177, 180 *	180	213	185	185
Chain case	compatible	√ *	1	1	1	1
	175	1	1	1	1	1
	172.5	-	-	-	-	-
Crank arm length (mm)	170	1	✓	1	✓	1
(mm)	165	1	-	-	1	1
	160	1	-	-	-	-
	Others	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
стапк arm	Finish	Painted	Anodized	Painted	Painted	Painted
BB 1	уре	24mm	24mm	Square	Square	Square
Average v	veight (g)	-	-	-	-	-
Note		* In case with DU- E6100/E6110/E6180/ E7000	-	-	-	-

Chainring

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	CR-EM800	CR-ET600	SM-CRE80-12-B	SM-CRE80-12-SB	SM-CRE80-B	SM-CRE80-R
	1	Black	Silver (w/o chain guard)	Black	Black	Black	Black
Color	2	-	Black (w/o chain guard)	-	-	-	-
	3	-	-	-	-	-	-
Gear	speed	1	1	1	1	1	1
	12-speed	1	-	1	1	-	-
	11-speed	-	1	-	-	1	1
	10-speed	-	1	_	_	1	· ·
	9-speed	_	1	_	_	-	-
Rear speed	8-speed	-	-	-	-		-
	7-speed	-	_	<u>-</u>	-	-	-
	·					-	-
	5-speed	-	-	-	-		
	Single	-	/	-	-	-	-
Compati	ble chain	HG 12-speed	LINKGLIDE, HG 11-speed, HG-X 10-speed*, HG 9-speed*	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed, HG-X 10-speed*	HG 12-speed, LINKGLIDE, HG 11-speed, HG-X 10-speed*
DYNAMIC CHAIN	I ENGAGEMENT+	1	-	1	1	1	-
	Combination	-	-	-	-	-	-
	47T	-	-	-	-	-	1
	44T	-	1	-	-	-	-
	42T	-	-	<u>-</u>	-	-	-
	40T	_	_	_	_	-	_
Chainring teeth	38T	-	1	1	-	1	-
	36T	_	-	1		_	-
				-	1		
	34T	-	-	1	1	1	-
	32T	1	-	-	-	-	-
	Others	-	-	-	-	-	-
	Double	-	1	-	-	-	-
Chain guard type	Single	-	1	-	-	-	-
	w/o chain guard	✓	1	✓	1	1	1
Chainring fix	king lock nut	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit
Arm cover oute	r diameter (mm)	-	-	-	-	-	-
Chain device	e compatible	1	-	1	1	1	SM-CDE80 (frame mount)
Chain case	compatible	-	1	-	-	-	-
<u> </u>	56.5	-	-	-	1	-	-
	55	1	-	1	-	1	-
	53	-	-	1	-	1	-
Chain line (mm)	50	-	1	-	-	-	1
• , ,	49.7	-	-	-	-	-	-
	47	-	-	-	-	-	-
	46.5	-	-	-	-	-	-
	46	-	-	-	-	-	-
Belt line (mm)	43	-	-	-	-	-	-
P.C.D.	l	96	104	104	104	104	104
r.c.D.	Material	Steel	Steel	Steel	Steel	Steel	Aluminum
Chainring			Painted				Anodized
	Finish Material	Painted	Painted -	Plated	Plated	Plated	
Spider arm		Aluminum		Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	- Ctalindary stand	Anodized	Anodized	Anodized	Anodized
Chainring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	SP Black	-	SP Black	SP Black	SP Black	SP Black
	ear arms	4	4	4	4	4	4
Average v	weight (g)	-	-	-	-	-	-
No	ote		* E-BIKE rear derailleur system compatible chain			* E-BIKE rear derailleur system compatible chain	* E-BIKE rear derailleur system compatible chain

SC

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SMDU

SMDU RT

FC

SMCR

SMCD BT

BM

EWSW

EWCP EC

SMBTE SMDU

EWCA

BSAU

BSAS

BSAP

BSSS SMPCE

Chainring

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SM-CRE80	SM-CRE70-12-B	SM-CRE70-12	SM-CRE70-B	SM-CRE70	SM-CRE61
	1	Black	Black	Black	Black	Black	Dark Gray
Color	2	-	-	-	-	-	Silver (w/o CG only)
	3		-	-	-	-	Black (w/o CG only)
Gear	speed	1	1	1	1	1	1
	12-speed	-	✓	1	-	-	-
	11-speed	1	-	-	1	1	1
	10-speed	1	-	-	1	1	1
	9-speed	-	-	-	1	1	1
Rear speed	8-speed	-	-	_	-	-	-
	7-speed	-	-	_			
	5-speed	_	_	-			
		-	<u>-</u>	_	_	_	1
Compatil	Single ble chain	LINKGLIDE, HG 11-speed, HG-X 10-speed*	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed, HG-X 10-speed*, HG 9speed*	LINKGLIDE, HG 11-speed, HG-X 10-speed*, HG 9speed*	HG-X 10-speed**, HG 9-speed**, HG 8/ 7/6-speed, Single speed
DYNAMIC CHAIN	ENGAGEMENT+	✓ (38T, 34T)	-	-	-	-	-
	Combination	-	-	-	-	-	-
	47T	-	-	-	-	-	-
	44T	1	-	-	-	-	1
	42T	_	_	1	_	-	-
	40T	-	-	-	-	-	-
Chainring teeth	38T	1	-	_	-	1	1
				-	_	_	-
	36T	-	√				-
	34T	1	-	-	1	-	-
	32T	-	-	-	-	-	-
	Others	-	-	-	-	-	-
	Double	** √	-	1	-	1	✓
Chain guard type	Single	-	-	-	-	-	✓
	w/o chain guard	✓	✓	-	✓	✓	✓
Chainring fix	ring lock nut	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit	Included in drive unit
Arm cover outer	diameter (mm)	-	-	-	-	-	95 (w/o chain guard only)
Chain device	compatible	✓	✓	-	✓	✓	-
Chain case	compatible	-	-	-	-	-	1
	56.5	-	-	-	-	-	-
	55	-	1	-	1	-	-
	53	-	1	-	1	-	-
Chain line (mm)	50	1	-	1	-	1	-
	49.7	-	_	-	-	-	-
	47	_	_	_	-	_	_
	46.5	_	-	_	_	-	- ·
Belt line (mm)	46 43	-	-	-	-	-	-
500		104	- 104	104	104	104	-
P.C.D.		104	104	104	104	104	- Canal
Chainring	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Painted	Painted	Painted Aluminum (chain	Painted	Painted
Spider arm	Material	Aluminum	Aluminum	Aluminum	Aluminum (chain line: 55 mm), Steel (chain line: 53 mm)	Aluminum	-
	Finish	Anodized	Painted	Painted	Painted	Anodized	-
Chainring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	SP Black	SP Black	SP Black	SP Black	SP Black	-
Spider/g		4	4	4	4	4	4
Average v		* E-BIKE rear derailleur system compatible chain ** 44T only	-	-	* E-BIKE rear derailleur system compatible chain	* E-BIKE rear derailleur system compatible chain * w/o CG, w/o back plate	* Color of arm cover ** E-BIKE rear derailleur system compatible chain

Chainring

-	ries	SHIMANO	
Mode	SM-CRE50		
	1	Dark Gray	
Color	2	-	
	3	-	
Gear	speed	1	
	12-speed	-	
	11-speed	1	
	10-speed	1	
Rear speed	9-speed	1	
incui specu	8-speed		
	7-speed		
	5-speed		
	Single	✓	
Compati	Compatible chain		
DYNAMIC CHAIN	ENGAGEMENT+	11-speed, HG-X 10-speed*, HG 9-speed*, HG 8/7/6-speed, Single speed	
	Combination	-	
	47T	-	
	44T	1	
	42T	-	
Chainnin a ta ath	40T	-	
Chainring teeth	38T	1	
	36T	-	
	34T	-	
	32T	-	
	Others	-	
	Double	1	
Chain guard type	Single	1	
"	w/o chain guard	1	
Chainring fix	king lock nut	Included in drive unit	
Arm cover oute	r diameter (mm)	95 (w/o chain guard only)	
Chain device	compatible	-	
Chain case	compatible	✓	
	56.5	-	
	55	-	
	53	-	
Chain line (mm)	50	-	
	49.7	-	
	47	-	
	46.5	✓	
Polt line ()	46	-	
Belt line (mm)	43	-	
P.C.D.	(mm)	-	
Chainring	Material	Steel	
Chailing	Chainring Finish		
Spider arm	Spidor arm Material		
Spider ailli	Spider arm Finish		
Chainring fixing bolt	Material	Stainless steel	
bolt	Finish	-	
Spider/g	ear arms	4	
Average v	weight (g)	-	
No	ote	* E-BIKE rear derailleur system compatible chain	

SC

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EWCA BSAU

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BSSS

SMPCE

Chain Device

Sei	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	CD-EM800	SM-CDE80	SM-CDE70
	1	Black	Black	Black
Color	2	-	-	-
	3	-	-	-
	56.5	* (w/ plate type), (w/o plate type)	-	-
Chain line (mm)	55	✓ ** (w/ plate type), ✓ (w/o plate type)	-	-
Chain line (lilli)	53	√ (w/ plate type), √ (w/o plate type)	✓ (w/ plate type), ✓ (w/o plate type)	1
	50	-	- (w/ plate type), ✓ (w/o plate type)	-
	12-speed	✓	✓	✓
Chain compatibility	11-speed	1	✓	✓
Chain compatibility	10-speed	-	✓	✓
	9-speed	-	-	✓
	38T	✓ (w/ plate type), - (w/o plate type)	✓	1
Top gear teeth	36T	✓ (w/ plate type), - (w/o plate type)	1	1
	34T	✓ (w/ plate type), - (w/o plate type)	1	1
	32T	- (w/ plate type), ✓ (w/o plate type)	-	-
	30T	- (w/ plate type), ✓ (w/o plate type)	-	-
	10-45T	✓	✓	✓
	10-51T	✓	✓	✓
	11-36T	-	✓	✓
Assumed rear	11-40T	1	✓	✓
sprocket teeth	11-42T	✓	✓	✓
	11-46T	1	✓	✓
	11-50T	1	-	-
	Others	-	-	-
Direct mount	to drive unit	√ (w/ plate type), - (w/o plate type)	✓ (w/ plate type), - (w/o plate type)	1
Compatible	e drive unit	DU-EP801, DU- EP800, DU-EP600, DU-E8000, DU- E8080, DU-E7000	DU-EP800 DU-E8000 DU-E8080 DU-E7000	DU-EP800 DU-E8000 DU-E8080 DU-E7000
Rear suspension	on stroke (mm)	0 - 170	0 - 170	0 - 170
	Material	Aluminum (w/ plate type), - (w/o plate type)	Aluminum (w/ plate type), - (w/o plate type)	Steel
Back plate	Finish	Anodized (w/ plate type), - (w/o plate type)	Anodized (w/ plate type), - (w/o plate type)	Painted
Chain mild-	Material	Resin	Resin	Resin
Chain guide	Finish	-	-	-
No	ote	* w/ spacer for chain line 56.5mm. ** w/ spacer for chain line 55mm.	w/ Plate, w/o Plate type are available	w/ plate

Battery

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-EN817-B	BT-EN805-A	BT-EN805-L-A	BT-EN806-A	BT-EN604-A	BT-EN605-A
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
EN 15194:2017+A	1:2023 compliant	✓	✓	✓	✓	✓	✓
Battery manag	gement system	Second generation	Second generation	Second generation	Second generation	Second generation	Second generation
Chen	nistry	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon
Posi	tion	Integrated	Integrated	Integrated	Integrated	Down tube/Seat tube	Down tube/Seat tube
Nominal v	oltage (V)	36.3	36	36	36	36	36
Capaci	ty (Ah)	19.6	14	14	17.5	11.6	14
Rated cap	acity (Ah)	19.6	13	13	16.2	10.9	13
Energy Co	ntent (Wh)	712	504	504	630	418	504
Rated cap	acity (Wh)	712	468	468	583	393	468
Cyclelife span fo	or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge (hour)	SOC = 100%	*5.2	* 4 (** 4.5)	* 4 (** 4.5)	* 4.8 (** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)
(hour)	SOC = 80%	* 3.4	* 2.5 (** 3.2)	* 2.5 (** 3.2)	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)
Charge le	vel display	✓	✓	✓	✓	✓	✓
Error	signal	1	√	√	1	✓	✓
Chargi	ng port	** -	*** -	*** -	*** -	✓	1
System on	off switch	1	√	√	✓	✓	✓
Compatible b	attery mount	BM-EN810-A	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN600	BM-EN600
Compatib	le charger	EC-EN814	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004
Compatible ada	ptor for charge	SM-BTE81	SM-BTE80	SM-BTE80	SM-BTE80	-	-
Average v	veight (kg)	4.2	2.9	3.15	3.7	2.6	2.55
No	ote	* By EC-EN814 ** with SM-BTE81 and EW-CP110 or EW-CP111	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)

SC

SW

DU SMDU

SMDU

RT

FC SMCR

SMCD

DT

BM

EWSW

EWCP

EC SMBTE

SMDU

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Battery

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		BT-EN606-A	BT-EN404-A	BT-EN405-A	BT-E8010-A	BT-E8014-A	BT-E8016-A
	1	Black	Black	Black	Black	Black	Black
Color	2	-	Gray	Gray	-	-	-
	3	-	-	-	-	-	-
EN 15194:2017+A	1:2023 compliant	1	1	1	1	1	1
Battery manag	jement system	Second generation	Second generation	Second generation	First generation	First generation	First generation
Chen	nistry	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon
Posi	tion	Down tube/Seat tube	Rear carrier	Rear carrier	Down tube/Seat tube	Down tube/Seat tube	Down tube/Seat tube
Nominal v	oltage (V)	36	36	36	36	36	36
Capaci	ty (Ah)	17.5	11.6	14	* 14	* 11.6	* 17.5
Rated cap	acity (Ah)	16.2	10.9	13	13	10.9	16.2
Energy Co	ntent (Wh)	630	418	504	* 504	* 418	* 630
Rated cap	acity (Wh)	583	393	468	468	393	583
Cyclelife span fo	or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge	SOC = 100%	* 4.8 (** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)	** 4 (*** 4.5)	** 3.0 (*** 3.5)	** 4.8 (*** 5.7)
Time to charge (hour)	SOC = 80%	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	** 2.5 (*** 3.2)	** 2.0 (*** 2.5)	** 3.2 (*** 4)
Charge lev	el display	1	1	1	1	1	1
Error	signal	1	✓	✓	✓	✓	<
Chargii	ng port	1	-	-	✓	✓	~
System on	off switch	1	1	✓	✓	✓	~
Compatible b	attery mount	BM-EN600	BM-EN400	BM-EN400	BM-E8016	BM-E8016	BM-E8016
Compatib	le charger	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004
Compatible ada	ptor for charge	-	SM-BTE60	SM-BTE60	-	-	-
Average w	veight (kg)	3.2	2.58	2.65	2.6	2.55	3.2
No	ote	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)	* BT-E8010-A for Japan (13 Ah, 468 Wh)	* BT-E8014-A for Japan (10.9 Ah, 393 Wh)	* BT-E8016-A for Japan (16.2 Ah, 583 Wh)
		,	case of 100 V AC)	,	** By EC-E8004 (*** In case of 100 V AC)	** By EC-E8004 (*** In case of 100 V AC)	** By EC-E8004 (*** In case of 100 V AC)

Battery

ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
el no.	BT-E8035-A	BT-E8035-L-A	BT-E8036-A	BT-E6000-A	BT-E6001-A	BT-EN805
1	Black	Black	Black	Black	Black	Black
2	-	-	-	Gray	Gray	-
3	-	-	-	-	-	-
1:2023 compliant	1	1	1	1	1	-
jement system	First generation	First generation	First generation	First generation	First generation	Second generation
nistry	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon
tion	Integrated	Integrated	Integrated	Rear carrier	Rear carrier	Integrated
oltage (V)	36	36	36	36	36	36
ty (Ah)	* 14	* 14	* 17.5	11.6	14	14
acity (Ah)	13	13	16.2	11.6	13	13
ntent (Wh)	* 504	* 504	* 630	418	504	504
acity (Wh)	468	468	583	418	468	468
or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
SOC = 100%	** 4 (*** 4.5)	** 4 (*** 4.5)	** 4.8 (*** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)	* 4 (** 4.5)
SOC = 80%	** 2.5 (*** 3.2)	** 2.5 (*** 3.2)	** 3.2 (*** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	* 2.5 (** 3.2)
el display	~	✓	~	1	✓	1
signal	✓	1	1	1	1	1
ng port	**** -	**** -	**** -	-	-	*** -
off switch	~	✓	~	1	✓	1
attery mount	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E6000	BM-E6000	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B
le charger	EC-E6002, EC-E8004	EC-E6002, EC-E8004				
ptor for charge	SM-BTE80	SM-BTE80	SM-BTE80	SM-BTE60	SM-BTE60	SM-BTE80
veight (kg)	2.9	3.15	3.7	2.58	2.65	2.9
ote	* BT-E8035-A for Japan (13 Ah, 468 Wh) ** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80	* BT-E8035-L-A for Japan (13 Ah, 468 Wh) ** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80	* BT-E8036-A for Japan (16.2 Ah, 583 Wh) ** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100
	al no. 1 2 3 1:2023 compliant Interest system Inistry Ition Inistry Ition Initiation In	## In o. ## BT-E8035-A ## Black ## 2 ## 3 ## 1:2023 compliant ## In o. ## It:2023 compliant ## It:2023 compl	## In o. ## BT-E8035-A ## BT-E8035-C ## BT-E8035	BT-E8035-A BT-E8035-A BT-E8035-A BT-E8035-A BT-E8035-L-A BIack Bla	BT-E8035-A BT-E8035-A BT-E8035-A BT-E8035-A BT-E8035-A BT-E8036-A BT-E6000-A Black B	Bino

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EC SMBTE

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EWCA

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SMPCE BSEW

Battery

Sei	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-EN805-L	BT-EN806	BT-EN604	BT-EN605	BT-EN606	BT-EN404
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	Gray
	3	-	-	-	-	-	-
EN 15194:2017+A	1:2023 compliant	-	-	-	-	-	-
Battery manag	gement system	Second generation	Second generation	Second generation	Second generation	Second generation	Second generation
Chen	nistry	Li-lon	Li-lon	Li-Ion	Li-lon	Li-lon	Li-lon
Posi	tion	Integrated	Integrated	Down tube/Seat tube	Down tube/Seat tube	Down tube/Seat tube	Rear carrier
Nominal v	oltage (V)	36	36	36	36	36	36
Capaci	ty (Ah)	14	17.5	11.6	14	17.5	11.6
Rated cap	Rated capacity (Ah)		16.2	10.9	13	16.2	10.9
Energy Content (Wh)		504	630	418	504	630	418
Rated capacity (Wh)		468	583	393	468	583	393
Cyclelife span fo	or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge	SOC = 100%	* 4 (** 4.5)	* 4.8 (** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)	* 4.8 (** 5.7)	* 3.0 (** 3.5)
Time to charge (hour)	SOC = 80%	* 2.5 (** 3.2)	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	* 3.2 (** 4)	* 2.0 (** 2.5)
Charge le	vel display	1	1	1	1	1	1
Error	signal	1	1	1	1	1	1
Chargi	ng port	***_	*** -	1	✓	✓	-
System on	off switch	1	1	1	✓	1	✓
Compatible b	attery mount	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN600	BM-EN600	BM-EN600	BM-EN400
Compatible charger		EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004
Compatible ada	ptor for charge	SM-BTE80	SM-BTE80	-	-	-	SM-BTE60
Average v	veight (kg)	3.15	3.7	2.55	2.6	3.2	2.58
No	ote	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** In case of 100 V AC)

Battery

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-EN405	BT-E8010	BT-E8014	BT-E8016	BT-E8020	BT-E8035
	1	Black	Black	Black	Black	Black	Black
Color	2	Gray	=	=	-	-	-
	3	-	-	-	-	-	-
EN 15194:2017+A	1:2023 compliant	-	=	=	-	-	-
Battery manag	jement system	Second generation	First generation	First generation	First generation	First generation	First generation
Chem	nistry	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon
Posi	tion	Rear carrier	Down tube/Seat tube	Down tube/Seat tube	Down tube/Seat tube	Integrated	Integrated
Nominal v	oltage (V)	36	36	36	36	36	36
Capaci	ty (Ah)	14	* 14	* 11.6	* 17.5	14	* 14
Rated cap	acity (Ah)	13	13	10.9	16.2	13	13
Energy Cor	Energy Content (Wh)		* 504	* 418	* 630	504	* 504
Rated cap	Rated capacity (Wh)		468	393	583	468	468
Cyclelife span fo	Cyclelife span for charge (times)		1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge (hour)	SOC = 100%	* 4 (** 4.5)	** 4 (*** 4.5)	** 3.0 (*** 3.5)	** 4.8 (*** 5.7)	* 4 (** 4.5)	** 4 (*** 4.5)
(hour)	SOC = 80%	* 2.5 (** 3.2)	** 2.5 (*** 3.2)	** 2.0 (*** 2.5)	** 3.2 (*** 4)	* 2.5 (** 3.2)	** 2.5 (*** 3.2)
Charge lev	vel display	1	✓	✓	✓	✓	✓
Error	signal	1	√	✓	✓	✓	✓
Chargir	ng port	-	√	✓	1	✓	**** -
System on	off switch	✓	✓	✓	✓	✓	✓
Compatible b	attery mount	BM-EN400	BM-E8016	BM-E8016	BM-E8016	BM-E8020	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B
Compatib	le charger	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004
Compatible adaptor for charge		SM-BTE60	-	-	-	-	SM-BTE80
Average w	Average weight (kg)		2.6	2.55	3.2	3.05	2.9
		* By EC-E8004 (** In case of 100 V AC)	* BT-E8010 for Japan (13 Ah, 468 Wh)	* BT-E8014 for Japan (10.9 Ah, 393 Wh)	* BT-E8016 for Japan (16.2 Ah, 583 Wh)	* By EC-E8004 (** In case of 100 V AC)	* BT-E8035 for Japan (13 Ah, 468 Wh) ** By EC-E8004 (***
No	Note		** By EC-E8004 (*** In case of 100 V AC)	** By EC-E8004 (*** In case of 100 V AC)	** By EC-E8004 (*** In case of 100 V AC)	case of 100 V AC)	In case of 100 V`AC) **** with SM-BTE80 or EW-CP100

SC

DU

SMDU SMDU

RT

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BM

EWSW

EC

SMBTE

SMDU

EWCA

BSAU

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BSSS

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BSEVV

Battery

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-E8035-L	BT-E8036	BT-E6000	BT-E6001
	1	Black	Black	Black	Black
Color	2	-	-	Gray	Gray
	3	-	-	-	-
EN 15194:2017+A	1:2023 compliant	-	-	-	-
Battery manag	gement system	First generation	First generation	First generation	First generation
Chen	nistry	Li-lon	Li-lon	Li-Ion	Li-lon
Posi	tion	Integrated	Integrated	Rear carrier	Rear carrier
Nominal v	oltage (V)	36	36	36	36
Capaci	ty (Ah)	* 14	* 17.5	11.6	14
Rated cap	acity (Ah)	13	16.2	10.9	13
Energy Content (Wh)		* 504	* 630	418	504
Rated capacity (Wh)		468	583	393	468
Cyclelife span fo	or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge	SOC = 100%	** 4 (*** 4.5)	** 4.8 (*** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)
Time to charge (hour)	SOC = 80%	** 2.5 (*** 3.2)	** 3.2 (*** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)
Charge le	vel display	1	1	✓	✓
Error	signal	1	1	✓	1
Chargi	ng port	**** -	**** -	-	-
System on	off switch	1	1	1	1
Compatible b	attery mount	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E6000	BM-E6000
Compatib	le charger	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004	EC-E6002, EC-E8004
Compatible ada	ptor for charge	SM-BTE80	SM-BTE80	SM-BTE60	SM-BTE60
Average v	veight (kg)	3.15	3.7	2.58	2.65
		* BT-E8035-L for Japan (13 Ah, 468 Wh)	* BT-E8036 for Japan (16.2 Ah, 583 Wh) ** By EC-E8004 (***	* Pv EC E9004 (** la	* Dv EC E9004 (** In
No	ote	** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80 or EW-CP100	** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC)	* By EC-E8004 (** Ir case of 100 V AC)

Battery Mount

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BM-EN810-A	BM-EN800-A	BM-EN800-B	BM-EN801-A	BM-EN801-B	BM-EN600
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	=	-	-	-
	3	-	-	-	-	-	-
Battery manag	ement system	Second generation	Second generation	Second generation	Second generation	Second generation	Second generation
Posi	tion	Integrated	Integrated	Integrated	Integrated	Integrated	Down tube/Seat tube
Chargir	ng port	-	-	-	-	-	-
Key lock	system	-	1	✓	-	-	✓
System on	off switch	-	-	-	-	-	-
Power	Power cable		1	✓	1	1	✓
	75	-	-	-	-	-	-
	250	✓	1	✓	1	1	✓
	300	-	-	-	-	-	✓
	400	✓	1	✓	1	1	-
Power cable length (mm)	600	-	-	-	-	-	✓
	900	-	-	-	-	-	-
	920	-	-	-	-	-	-
	1000	-	-	-	-	-	-
	1020	-	-	-	-	-	-
Compatible satell	Compatible satellite charging port		EW-CP100	-	EW-CP100	-	-
Cable length to sate (m	ellite charging port m)	200	200	-	200	-	-
Average w	reight (kg)	-	* 0.31 (Power cable: 250 mm), * 0.32 (Power cable: 400 mm)	* 0.29 (power cable: 250 mm), * 0.30 (power cable: 400 mm)	0.33 (power cable: 250 mm), 0.34 (power cable: 400 mm)	0.31 (power cable: 250 mm), 0.32 (power cable: 400 mm)	* 0.27 (power cable: 250 mm/300 mm), * 0.30 (power cable: 600 mm)
No	te		* Without key unit	* Without key unit	-	-	* Without key unit

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Battery Mount

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		BM-EN400-A	BM-EN400-B	BM-E8016	BM-E8020	BM-E8030-A	ВМ-Е8030-В
1		Black	Black	Black	Black	Black	Black
Color	2	Gray	Gray	-	-	-	-
	3	-	-	-	-	-	-
Battery manag	gement system	Second generation	Second generation	First generation	First generation	First generation	First generation
Posi	tion	Rear carrier	Rear carrier	Down tube/Seat tube	Integrated	Integrated	Integrated
Chargii	ng port	1	•	-	-	-	-
Key lock	system	1	1	✓	1	1	1
System on	off switch	-	-	-	-	-	-
Power	Power cable		1	✓	1	1	1
	75	-	-	-	-	-	-
	250	-	-	✓	✓	✓	✓
	300	-	-	✓	-	-	-
	400	-	-	-	1	1	✓
Power cable length (mm)	600	-	-	✓	-	-	-
	900	-	-	-	-	-	-
	920	1	~	=	-	-	-
	1000	-	-	-	-	-	-
	1020	1	•	-	-	-	-
Compatible satel	lite charging port	-	-	-	-	EW-CP100	-
Cable length to sat (m	ellite charging port m)	-	-	-	-	200	-
Average weight (kg)		* 0.38 (power cable: 920 mm), * 0.39 (power cable: 1020 mm)	* 0.38 (Power cable: 920 mm), * 0.39 (Power cable: 1020 mm)	-	-	* 0.31 (power cable: 250 mm), * 0.32 (power cable: 400 mm)	* 0.29 (power cable: 250 mm), * 0.30 (power cable: 400 mm)
No	ote	Compatibility with AXA key unit. * Without key unit	Compatibility with ABUS and Trelock key unit. * Without key unit	-	-	* Without key unit	* Without key unit

Battery Mount

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BM-E8031-A	BM-E8031-B	BM-E6000-A	ВМ-Е6000-В
	1	Black	Black	Black	Black
Color	2	-	-	Gray	Gray
	3	-	-	-	-
Battery manag	jement system	First generation	First generation	First generation	First generation
Posi	tion	Integrated	Integrated	Rear carrier	Rear carrier
Chargii	ng port	-	-	✓	✓
Key lock	system	-	-	1	✓
System on	off switch	-	-	-	-
Power	Power cable		~	1	✓
	75	-	-	-	-
	250	✓	✓	-	-
	300	-	-	-	-
	400	1	~	-	-
Power cable length (mm)	600	-	-	-	-
	900	-	-	-	-
	920	-	-	1	1
	1000	-	-	-	-
	1020	-	-	1	1
Compatible satel	lite charging port	EW-CP100	-	-	-
Cable length to sat (m	ellite charging port m)	200	-	-	-
Average w	Average weight (kg)		0.31 (power cable: 250 mm), 0.32 (power cable: 400 mm)	-	-
No	ote	-	-	Compatibility with AXA key unit.	Compatibility with ABUS and Trelock key unit.

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Satellite System ON/OFF Switch

Sei	Series		SHIMANO	SHIMANO
Mode	el no.	EW-SW310	EW-SW300	EW-SW100
Battery manag	gement system	Second generation	First generation	First generation
Posi	ition	Integrated	Integrated	Integrated
Maste	er unit	-	-	-
Switch C	QTY (pcs)	2	1	1
SD50 po	SD50 port (pcs)		0	0
SD300 p	SD300 port (pcs)		0	0
SD50 conn	ector (pcs)	0	0	1
SD300 coni	nector (pcs)	0	1	0
LED	Battery level	1	-	-
LED	Assist status	1	-	-
Firmware update b	Firmware update by E-TUBE PROJECT		1	1
Cable len	Cable length (mm)		1100	1100
Average v	Average weight (g)		23	25
No	ote			

Satellite Charging Port

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-CP110	EW-CP111	EW-CP100
Position	Integrated	Integrated	Integrated
Compatible battery mount	BM-EN810-A	BM-EN810-A	BM-EN800-A, BM- EN801-A, BM- E8030-A, BM- E8031-A
Compatible battery charger	* EC-EN814	EC-EN814	EC-E6002, EC-E8004
Firmware update by E-TUBE PROJECT	-	-	-
Cable length to battery mount (mm)	200, 550	200, 550	200, 550
Average weight (g)	-	-	-
Note	* Need SM-BTE81 to charge in frame		

Battery Charger

Ser	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	EC-EN814	EC-E8004-1	EC-E8004-2	EC-E8004-3	EC-E8004-4	EC-E8004-6
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Plug	type	-	Type C	Type A	Type A	Type O	Type BF
Typical example	country/region	Worldwide	Europe	USA, Canada	Japan	Australia, New Zealand	UK
Compatib	le voltage	100 V - 240 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz	USA/Canada: 120 V AC, 50 - 60 Hz / Others: 100 - 240 V AC, 50 - 60 Hz	100 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz
Out	put	42 V DC, 4A	42 V DC, 4 - 4.6 A	42 V DC, 4 A	42 V DC, 4 - 4.6 A	42 V DC, 4 - 4.6 A	42 V DC, 4 - 4.6 A
CE sta	ndard	1	✓	-	-	-	✓
UL1	012	1	✓	✓	1	1	1
Korea s	tandard	1	-	-	-	-	-
Japan s	tandard	1	-	-	1	-	-
Charging time for 712 Wh battery	Full charge (hour)	5.2	-	-	-	-	-
712 Whi battery	80% charge (hour)	3.4	-	-	-	-	-
Charging time for 630 Wh (583 Wh in Japan) battery	Full charge (hour)	-	4.8 (* 5.7)	5.7	5.7	4.8 (* 5.7)	4.8 (* 5.7)
Japan) battery	80% charge (hour)	-	3.2 (* 4)	4	4	3.2 (* 4)	3.2 (* 4)
Charging time for 504 Wh (464 Wh in Japan) battery	Full charge (hour)	-	4 (* 4.5)	4.5	4.5	4 (* 4.5)	4 (* 4.5)
Japan) battery	80% charge (hour)	-	2.5 (* 3.2)	3.2	3.2	2.5 (* 3.2)	2.5 (* 3.2)
Charging time for 418 Wh (393 Wh in Japan) battery	Full charge (hour)	-	3.0 (* 3.5)	3.5	3.5	3.0 (* 3.5)	3.0 (* 3.5)
Japan) battery	80% charge (hour)	-	2.0 (* 2.5)	2.5	2.5	2.0 (* 2.5)	2.0 (* 2.5)
Charging le	evel display	-	-	-	-	-	-
Plug in cha	rging type	✓	✓	✓	1	1	✓
Charging to	emperature	0 - 40 °C	0 - 40 °C	0 - 40 °C	0 - 40 °C	0 - 40 °C	0 - 40 °C
Storage te	mperature	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C
Error	signal	1	✓	✓	1	1	✓
Adapter for ba	Adapter for battery connecter		** -	* -	* -	** -	** -
Compatible AC power cable		SM-BCC1	-	-	-	-	-
Built in A	Built in AC cable		√	✓	1	1	✓
Built in AC cal	ble length (m)	-	2	2	1	1	1
Average v	veight (g)	600					
No	ote	* Check latest line- up chart	* In case of 100 V AC ** Check latest line- up chart	* Check latest line- up chart	* Check latest line- up chart	* In case of 100 V AC ** Check latest line- up chart	* In case of 100 V AC ** Check latest line- up chart

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Battery Charger

Se	ries	SHIMANO	SHIMANO	SHIMANO
Model no.		EC-E8004-7	EC-E8004-12	EC-E6002
	1	Black	Black	Black
Color	2	-	-	-
	3	-	-	-
Plug	type	Type C	Type C	-
Typical example	country/region	Korea	Brazil	Worldwide
Compatib	le voltage	100 V - 240 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz
Out	put	42 V DC, 4 - 4.6 A	42 V DC, 4 - 4.6 A	42 V DC, 1.8 A
CE sta	ndard	-	-	✓
UL1	012	1	1	✓
Korea s	tandard	1	-	✓
Japan s	tandard	-	-	✓
Charging time for 712 Wh battery	Full charge (hour)	-	-	-
712 Wh battery	80% charge (hour)	-	-	-
Charging time for 630 Wh (583 Wh in Japan) battery	Full charge (hour)	4.8 (* 5.7)	4.8 (* 5.7)	10.2
Japan) battery	80% charge (hour)	3.2 (* 4)	3.2 (* 4)	7.5
Charging time for 504 Wh (464 Wh in Japan) battery	Full charge (hour)	4 (* 4.5)	4 (* 4.5)	7.5
Japan) battery	80% charge (hour)	2.5 (* 3.2)	2.5 (* 3.2)	4
Charging time for 418 Wh (393 Wh in Japan) battery	Full charge (hour)	3.0 (* 3.5)	3.0 (* 3.5)	6.5
Japan) battery	80% charge (hour)	2.0 (* 2.5)	2.0 (* 2.5)	3.5
Charging le	evel display	-	-	·
Plug in cha	arging type	1	1	✓
Charging to	emperature	0 - 40 °C	0 - 40 °C	0 - 40 °C
Storage te	mperature	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C
Error	signal	✓	✓	✓
Adapter for ba	ttery connecter	** -	** -	* -
Compatible AC power cable		-	-	SM-BCC1
Built in AC cable		1	1	-
Built in AC cable length (m)		1	1	-
Average v	weight (g)			523
No	ote	* In case of 100 V AC ** Check latest line- up chart	* In case of 100 V AC ** Check latest line- up chart	* Check latest line- up chart

Charging Adapter

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	SM-BTE81	SM-BTE80	SM-BTE60
Compatible battery	BT-EN817-B	BT-EN806 BT-EN805-L BT-EN805 BT-E8036 BT-E8035-L BT-E8035	BT-EN405 BT-EN404 BT-E6001 BT-E6000
Compatible Charger	EC-EN814	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004
Compatible Charger port	EW-CP110	-	-
For range extender	-	-	-
Built in AC cable	-	-	-
Built in AC cable length (m)	-	-	-
Note			

Chain Case Fixing Screw

Series	SHIMANO
Model no.	SM-DUE61-FB
Color	Black
Size	M4 x 8 low head
Quantity (pcs) /1 package	120
Note	Available for DU- E6100/DU- E6100-CRG/DU- E6110/DU-E6180

CAN Cable

Series	SHIMANO
Model no.	EW-CA110
Туре	-
Compatible system	DU-EP801, DU-EP600
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	0
Cord diameter	ø3.15
Plug diameter	ø5.5
Note	

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ABS Main Unit

Sei	SHIMANO	
Mode	BS-AU301	
	1	Black
Color	2	-
	3	-
Compatible	brake type	Disc brake
F	Internal	1
Frame mount	External	✓
	E-MTB	√ **
	E-ROAD/GRAVEL	-
Adaptive bike category	E-TREKKING/CITY	1
	E-Cargo	✓
	E-Small tire	1
Compatible drive	SHIMANO	√ *
Compatible drive unit	Others	1
Commental la la strance	SHIMANO	√ *
Compatible battery	3rd Party	1
Compatible w	heel size (mm)	1300-3000
Control time	Front	1
Control tire	Rear	-
J-1	kit	✓
Brake ho	se length	3000 mm or less
	E-TUBE	-
Communication	CAN	✓
	USB	-
Port for whee	l speed sensor	✓
Port for CAN	l connection	✓
Maste	er unit	-
	By E-TUBE PROJECT	-
Firmware update	By Blubrake software	1
SD300 p	0	
SD300 coni	0	
SD50 po	0	
SD50 conn	0	
Average v	-	
Note		*Refer to Line-up chart **With condition

ABS Main Unit Mounting Parts Set

Series		SHIMANO	SHIMANO
Mode	Model no.		BS-AS300-I
Color	1	Black	-
	2	-	-
	3	-	-
Compatible	Compatible brake type		-
F	Internal	-	✓
Frame mount	External	1	-
Average weight (g)		-	-
Note			

ABS Power Split Cable

Series		SHIMANO	
Model no.		BS-AP301	
	1	Black	
Color	2	-	
	3	-	
Adaptation	Adaptation voltage (V)		
Compatible drive	SHIMANO	√ *	
unit	Others	-	
Commetible bettern.	SHIMANO	√ *	
Compatible battery	3rd Party	1	
Wire harness	950		
	E-TUBE	-	
Communication	UART	1	
	CAN	-	
	USB	-	
Average weight (g)		-	
Note		*Refer to Line-up chart	

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ABS Wheel Speed Sensor Kit

Series		SHIMANO	SHIMANO	
Model no.		BS-SS300-C	BS-SS300-S	
	1		Black	Black
Color	2		-	-
	3		-	-
Compatible	brake type	•	Disc brake	Disc brake
Moun	t type		F160PM/F180PM	F160PM/F180PM
	140 mm (SS)		-	-
	160 mm (S)		-	-
Compatible rotor size	180 mm (M)		~	1
	203 mm (L)		√	1
	220 mm (LL)		-	-
Compatible rotor mount	CENTER LOCK		✓	-
mount	6-bolt		-	1
	Post mount	140 mm direct	-	-
		160 mm direct	✓	1
Fork and frame mount style		180 mm direct	✓	1
		200 mm direct	-	-
		203 mm direct	-	-
	Flat mount	Front	-	-
		Rear	-	-
	International A- standard		-	-
Wire harness length (mm)		140	140	
Average weight (g)		-	-	
Note				

PC Linkage Device for ABS

Series	SHIMANO
Model no.	SM-PCEBS
USB port (pcs)	Type-A(2.0): 1
SD50 port (pcs)	0
SD300 port (pcs)	0
SD50 connector (pcs)	0
SD300 connector (pcs)	0
PC link port (pcs)	0
LED	1
Note	

Extension Cable for ABS

Ser	ies	SHIMANO	SHIMANO
Mode	Model no.		BS-EW305
	1	Black	Black
Color	2	-	-
	3	-	-
	350	-	✓
	400	1	-
Wire harness length (mm)	500	1	-
	600	1	-
	1600	-	✓
Communication	E-TUBE	-	-
	UART	-	-
	CAN	-	✓
	USB	-	-
Average weight (g)		-	-
No	te	Connector color: red	Connector color: green

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