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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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	30	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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Ser	ies		XTR	XTR	XTR	XTR	XTR	XTR
Mode	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	-	-	-	-	-	-
Color 2		3	-	-	-	-	-	-
Shifte	Shifter type Front speeds		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		-	-	2	2	-	2/3
Rear s	peeds		12	12	-	-	11	-
Compatible rear	derailleur	type	12-speed	12-speed	-	-	MTB 11-speed	-
	Clamp	band	✓	-	✓	-	✓	✓
Ma	I-SP	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)	-	(14 mm slide adjust range)	-	-
Shift lever rotation a	djust (non l	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	✓	✓	✓	1	1	✓
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	4	4	-	-	4	-
	MULTI F	RELEASE	✓	1	-	-	√ *	-
	INSTANT	RELEASE	1	1	1	1	1	1
Release function 2-WAY RELEASE		✓	✓	✓	1	1	1	
2-WAY RELE		ble lever	-	-	1	1	-	-
	W	ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
DISIERI	With	hout	1	1	1	1	1	1
Multi-bearing	construction	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
	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	CFRP	CFRP
Main lever body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	CFRP	CFRP	-	-	CFRP	CFRP
Release lever body	Fin	ish	-	-	-	-	-	-
_	Mat	erial	CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
Base cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	✓	✓	✓	1	1	1
Chife love bl-	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	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	

SLMT

SMSL

BL

BL

RD

FD

BR

BR

BR

FC

SMCD

SIVICR

ВВ

CS

НВ

FH

WH

SC

SVV

RD

FD

SMAD

CI-DECK

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	I	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	Front speeds		-	2/3	-	-	-	-
Rear s	Rear speeds		10	-	10	10	12	12
Compatible rear	derailleur	type	MTB 10-speed	-	MTB 10-speed	MTB 10-speed	12-speed	12-speed
	Clamp	band	-	-	✓	-	✓	-
	I-SPI	EC B	1	1	-	√ **	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	1
Shift lever po	sition adju	st	1	1	-	1	-	(14 mm slide adjust range)
Shift lever rotation a	djust (non I	-SPEC EV)	1	1	-	1	-	-
Shift lever o	able adjust	:	✓ (CFRP)	✓ (CFRP)	✓ (CFRP)	✓ (CFRP)	1	1
Front 2/3 mo	de converte	er	-	1	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	4	-	4	4	4	4
	MULTI R	ELEASE	1	-	√ *	√ *	1	1
	INSTANT	RELEASE	1	1	1	1	1	1
Release function	2-WAY F	RELEASE	1	1	1	1	1	1
-	Adjustal	ole lever	-	-	-	-	-	-
	Wi		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (rer		-	-	-	-	-	-
DISPLAT	With		1	1	1	1	1	1
Multi-bearing			4	4	4	4	2	2
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin		Anodized	Anodized	Painted	Painted	Painted	Painted
	Mat		-	-	Stainless steel	-	Stainless steel	Stainless steel
Clamp screw	Fin		_	-	Black	-	Black	Black
	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin		Anodized	Anodized	Painted	Painted	Painted	Painted
	Mat		Steel+CFRP	Steel+CFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin		-	-	-	-	-	-
	Mat		CFRP	CFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin		Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC	-	-	-	-	1	1
Shift lever cable	Inner cable	SIL-TEC	1	✓	-	-	-	-
Stainless		1	1	1	1	1	1	
		Steel	-	-	-	-	-	-
Recommended shift	Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v			103 (/pc)	98 (/pc)	123 (/pc)	114 (/pc)	117 (/pc)	120 (/pc)
No			V.F.		* Pull: single, push: double	* Pull: single, push: double ** I-spec B-type	w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)

Ser	ies		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode	el no.		SL-M8100-L	SL-M8100-IL	SL-M8130-R11	SL-M8130-IR11	SL-M8000-R	SL-M8000-L
	1	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		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	-	✓	✓
Mount type	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 a	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	:	1	1	1	1	1	✓
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	-	2	2	4	-
	MULTI R	RELEASE	-	-	-	-	√ *	-
	INSTANT	RELEASE	1	1	1	1	1	1
Release function 2-WAY RELEASE		RELEASE	1	1	1	1	1	1
2-WAY R		ble lever	1	1	-	-	-	-
	Wi	ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (rer	novable)	-	-	-	-	✓	1
	With	nout	1	1	1	1	1	1
Multi-bearing	construction	on	2	2	2	2	2	2
elite I I I I	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clause and a	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	Black	Black	Black	Black	-	-
Main loves beds	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Pologo lever had	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Dase cover	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
	l	OPTISLIC K	✓	1	1	1	✓	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	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)		78 (/pc)	78 (/pc)	117 (/pc)	120 (/pc)	127 (/pc)	117 (/pc)
No	te		w/Rubber grooved grip (main lever)	w/Rubber grooved grip (main lever)	-	-	* Pull: single, push: double	

SLMT

Shifter

Ser	Series Model no.		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode			SL-M8000-IR	SL-M8000-IL	SL-M8000-B-IR	SL-M780-B-IR	SL-M780-B-IL	SL-M780-R
	•	l	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2/3	-	-	2/3	-	
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
Mount type	I-SP	EC B	-	-	1	✓	✓	-
Wount type	I-SP	EC II	✓	✓	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	✓	1	1	1	1	-
Shift lever rotation a	djust (non I	-SPEC EV)	1	1	1	1	1	-
Shift lever o	able adjust	:	1	1	1	1	1	1
Front 2/3 mo	de converte	er	-	-	-	-	1	-
Max. multiple shift	s (main lev	er/rear)	4	-	4	4	-	4
	MULTI F	ELEASE	√ *	-	√ *	1	-	1
	INSTANT	RELEASE	1	1	1	1	1	1
Release function	2-WAY F		1	1	1	1	1	1
	Adjustal		-	-	-	-	-	-
	-	ith	-	-	_	-	-	-
OPTICAL GEAR DISPLAY		novable)	-	-	-	-	-	1
DISFLAT		nout	1	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
Clamp screw	Fin		-	-	_	-	_	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin		Painted	Painted	Painted	Painted	Painted	Painted
		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin		-	-	-	-	-	-
	Mat		GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Fin		Painted	Painted	Painted	Painted	Painted	Painted
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC	√	✓	1	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	_	-	-	-
		Stainless	1		1	1	1	1
		Steel	-	-	-	-	-	-
Recommended shift	lever oute		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v			120 (/pc)	110 (/pc)	117 (/pc)	114 (/pc)	106 (/pc)	128 (/pc)
No			* Pull: single, push: double	(/pc/	* Pull: single, push: double	(/με/	.σσ (/ρσ)	.20 (/pc/

SMSL

BL

BL

RD

FD

BR

BR

FC

SMCD

SMCR

BB

CS

HB

SMAD

WH

SC

SW

RD

FD

CI-DECK

Sei	ries		DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX
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	-	-	-	-	-	-
	:	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO				
Front :	speeds		2/3	-	3	-	-	2
Rear s	peeds		-	9	-	12	12	-
Compatible rea	Compatible rear derailleur type		-	MTB 9-speed	-	12-speed	12-speed	-
	Clamp	band	1	1	1	✓	-	✓
	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	1	-
Shift lever po	osition adju	st	-	-	-	-	(14 mm slide adjust range)	-
Shift lever rotation a	djust (non	I-SPEC EV)	-	-	-	-	-	-
Shift lever	cable adjust	t	1	1	1	✓	1	✓
Front 2/3 mo	de convert	er	1	-	-	-	-	-
Max. multiple shift	ts (main lev	er/rear)	-	4	-	3	3	-
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT	RELEASE	1	1	1	-	-	✓
Release function	2-WAY I	RELEASE	1	1	1	1	1	✓
Release function	Adjusta	ble lever	-	-	-	-	-	✓
	w	ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (re	movable)	1	1	1	-	-	-
DISI LAI	Witl	hout	1	1	1	1	1	1
Multi-bearing	constructi	on	2	2	2	-	-	-
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket		ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Stainless steel	Stainless steel				
Clamp screw	Fin	nish	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body		nish	Painted	Painted	Painted	-	-	-
	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body	Fin	ish	_	-	-	-	-	-
		erial	GFRP	Resin	Resin	GFRP	GFRP	GFRP
Base cover		ish	Painted	Painted	Painted	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Chift love	Inner	OPTISLIC K	-	-	-	1	1	1
Shift lever cable Inner cable SIL-TEC		-	-	-	-	-	-	
Stainless		1	1	1	✓	1	✓	
		Steel	-	-	-	-	-	-
Recommended shif	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	weight (g)		121 (/pc)	255 (/pair)	255 (/pair)	117 (/pc)	117 (/pc)	77 (/pc)
No	ote							

Shifter

Ser	ies		SLX	SLX	SLX	SLX	SLX	SLX
Model no.		SL-M7100-IL	SL-M7000-11-R	SL-M7000-L	SL-M7000-11-IR	SL-M7000-IL	SL-M7000-10-R	
	•	I	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Color 2		-	-	-	-	-	-	
Shifte	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		2	-	2/3	-	2/3	-
Rear s	peeds		-	11	-	11	-	10
Compatible rear	derailleur	type	-	MTB 11-speed	-	MTB 11-speed	-	MTB 10-speed
	Clamp	band	-	✓	1	-	-	✓
Mount type	I-SP	EC B	-	-	-	-	-	-
Would type	I-SP	EC II	-	-	-	✓	✓	-
I-SPEC EV		✓	-	-	-	-	-	
Shift lever po	sition adju	st	(14 mm slide adjust range)	-	-	1	1	-
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
	MULTI F	ELEASE	-	-	-	-	-	-
INSTANT RELEASE		✓	-	-	-	-	-	
Release function 2-WAY RELEASE		1	✓	1	1	1	1	
	Adjustal	ole lever	1	-	-	-	-	-
	W	ith	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With (re	novable)	-	1	1	-	-	1
	With	nout	1	1	1	1	1	1
Multi-bearing	construction	on	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	Stainless steel	Stainless steel	Stainless steel	-	-	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body	Fin	ish	-	-	-	-	-	-
	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 Finish		-	-	-	-	-	-	
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	✓	✓	1	1	1	1
Shift lever cable Inner cable SIL-TEC		-	-	-	-	-	-	
Stainless		1	1	1	1	1	1	
Stainless		-	-	-	-	-	-	
Recommended shift	lever oute		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	veight (g)		77 (/pc)	135 (/pc)	130 (/pc)	120 (/pc)	115 (/pc)	135 (/pc)
Average v					1.1.7			, ,

SLMT SMSL BL BL RD FD BR BR BR FC SMCD SIVICR ВВ CS НВ FH WH CI-DECK

SC

SVV

RD

FD

SC

SMAD

Mode	Ser	ies		SLX	SLX	SLX	SLX	DEORE	DEORE
Color				SL-M7000-10-IR	SL-M7000-10-B-IR	SL-M670-B-IR	SL-M670-B-IL	SL-M6100-R	SL-M6100-IR
Shift trype			1	Series color	Series color	Series color	Series color	Series color	Series color
Shift Type	Color	:	2	-	-	-	-	-	-
Rear speeds		3	3	-	-	-	-	-	-
Rear peace				RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
MTB 10-speed MTB 10-speed 10-speed MTB 10-speed 10-speed 10-speed MTB 10-speed 10-speed 10-speed 10-sp	Front	peeds		-	-	-	2/3	-	-
Clamp band 1	Rear s	peeds		10	10	10	-	12	12
Mount type	Compatible rear	derailleur	type	MTB 10-speed	MTB 10-speed	MTB 10-speed	-	MTB 12-speed	MTB 12-speed
No.nut type	Clamp band		band	-	-	-	-	✓	-
		I-SP	EC B	-	1	1	1	-	-
Shift lever position adjust	Mount type	I-SP	EC II	1	-	-	-	-	-
Shift lever position adjust		I-SPE	C EV	-	-	-	-	-	1
Shift lever bid adjust	Shift lever po	osition adju	st	1	,	1	1	-	adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR
Max. multiple shifts	Shift lever rotation a	djust (non	I-SPEC EV)	✓	1	✓	✓	-	-
Max. multiple shifts (main lever/rear) 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <	Shift lever	able adjust	t	✓	✓	✓	✓	✓	1
Multi Release function Multi Release Mu	Front 2/3 mo	de convert	er	-	-	-	1	-	-
NSTANT ELASE	Max. multiple shift	s (main lev	er/rear)	3	3	3	-	3	3
Release function 2-WAY RELEASE		MULTI F	RELEASE	-	-	-	-	-	-
Adjustable lever Adjustable	Balance for etter	INSTANT	RELEASE	-	-	-	-	-	-
OPTICAL GEAR With (remorable)	Release function	2-WAY I	RELEASE	1	1	1	1	1	1
Pote		2-WAY RELEA		-	-	-	-	-	-
Multi-bear/sunstructive Multi-bear/suns		w	ith	-	-	-	-	1	1
Multi-bear/sunstructive Multi-bear/suns	OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
Shift lever bracket		Witl	hout	1	1	1	1	1	1
Shift lever bracket Finish Painted Pa	Multi-bearing	constructi	on	-	-	-	-	-	-
Painted Pai		Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clamp screw Finish	Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
No continue		Mat	erial	-	-	-	-	Stainless steel	Stainless steel
Main lever body Finish	Clamp screw	Fin	nish	-	-	-	-	-	-
Finis		Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body Finish	Main lever body	Fin	nish	-	-	-	-	-	-
Base cover Finish GFRP GFRP GFRP GFRP GFRP GFRP GFRP		Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Finity Follower	Release lever body	Fin	ish	-	-	-	-	-	-
Finish - - - - - - - - -	Dana	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Shift lever cable OPTISLIC ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	Base cover	Fin	ish	-	-	-	-	-	-
Shift lever cable Stable SIL-TEC - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -			Polymer- coated cable	-	-	-	-	-	-
Shift lever cable Stable SIL-TEC - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -			OPTISLIC	1	1	-	-	1	1
Stainless J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J	Shift lever cable	Inner cable		-	-	-	-	-	-
Steel - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -				1			1		
Recommended shift lever outer casing OT-SP41									
Average weight (g) 120 (/pc) 127 (/pc) 121 (/pc) 116 (/pc) -	Recommended shif	t lever oute	l						
				(1)	.,,		(1)		

Shifter

Model no. S.1.M6000-R S.	Seri	ies		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Shifter type			SL-M6000-R	SL-M6000-L	SL-M6000-IR	SL-M6000-IL	SL-M5100-R	SL-M5100-IR	
Shifter type			1	Series black	Series black	Series black	Series black	Series color	Series color
Shift	Color	7	2	-	-	-	-	-	-
Front speeds		3	3	-	-	-	-	-	-
Rear speeds			RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Compatible rear derailleur type	Front s	peeds		-	2/3	-	2/3	-	-
Mount type	Rear s	Rear speeds		10	-	10	-	11	11
Mount type I-SPEC B	Compatible rear	Compatible rear derailleur type		MTB 10-speed	-	MTB 10-speed	-	MTB 11-speed	MTB 11-speed
Nount type		Clamp	band	✓	1	-	-	✓	-
SPECI	Marria	I-SP	EC B	-	-	-	-	-	-
Shift lever position adjust Shift lever rotation adjust (non LSPEC EV)	Mount type	I-SP	EC II	-	-	1	1	-	-
Shift lever rotation adjust (non I-SPEC EV)		I-SPE	C EV	-	-	-	-	-	1
Shift lever cable adjust	Shift lever po	sition adju	st	-	-	-	-	-	✓ (14 mm slide adjust range, w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY)
Front 2/3 mode converter	Shift lever rotation ac	djust (non I	-SPEC EV)	-	-	1	1	-	-
Max. multiple shifts (main lever/rear) 3	Shift lever c	able adjust	:	~	1	1	✓	1	✓
MULTI RELEASE	Front 2/3 mod	de converte	er	-	-	-	-	-	-
NSTANT RELEASE	Max. multiple shift	Max. multiple shifts (main lever/rear)		3	-	3	-	3	3
Release function 2-WAY RELEASE		MULTI F	RELEASE	-	-	-	-	-	-
Adjustable lever	Palacca function	INSTANT	RELEASE	-	-	-	-	-	-
With	Release function		✓	1	1	✓	✓	✓	
OPTICAL GEAR With (removable)		Adjustal	ble lever	=	-	-	-	-	-
Multi-bearing construction		W	ith	√	1	-	-	✓	✓
Multi-bearing construction	OPTICAL GEAR DISPLAY	With (re	novable)	-	-	-	-	-	-
Shift lever bracket Material Aluminum Aluminum<		With	nout	1	1	1	1	1	1
Finish	Multi-bearing	construction	on	-	-	-	-	-	-
Finish	Shift lover bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clamp screw Finish	Smit lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Material Steel+GFRP Steel+GFRP Steel+GFRP Steel+GFRP Steel+GFRP Steel+GFRP	Clamp serous	Mat	erial	Stainless steel	Stainless steel	-	-	Stainless steel	Stainless steel
Main lever body Finish	Clamp screw	Fin	ish	-	-	-	-	-	-
Finish	Main lover body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release lever body Finish	Main lever body	Fin	ish	-	-	-	-	-	-
Base cover	Polosso lover body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Shift lever cable	Release level body	Fin	ish	-	-	-	-	-	-
Finish	Rase cover	Mat	erial	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Shift lever cable Inner cable Ca	Finish		-	-	-	-	-	-	
Shift lever cable Inner cable SIL-TEC - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -			Polymer- coated cable	-	-	-	-	-	-
Stainless		Chift lover cable Inner OPTISLIC		✓	✓	✓	✓	•	· •
Steel - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Shift lever cable cable SIL-TEC		-	-	-	-	-	-	
Recommended shift lever outer casing OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 OT-SP41 Average weight (g) - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <			1	1	1	1	1	1	
Average weight (g)				-	-	-	-	-	
	Recommended shift	lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Note	Average w	veight (g)		-	-	-	-	-	-
	No	te							

SLMT SMSL

BL BL

FD

RD

BR BR

BR FC

SMCD

BB

SIVICR

НВ

FH

CI-DECK

SC SW

RD

FD SMAD

SC

Ser	ies		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	el 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	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front	peeds		2	2	-	-	-	-
Rear s	peeds		-	-	10	10	10	10
Compatible real	derailleur	type	-	-	LINKGLIDE 10-speed	MTB 10-speed	MTB 10-speed	MTB 10-speed
	Clamp	band	✓	-	✓	✓	-	-
Mount type	I-SP	EC B	-	-	-	-	-	✓
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	1	-	-	1	-
Shift lever po	osition adju	st	-	(14 mm slide adjust range)	-	-	✓ (w/o OPTICAL GEAR DISPLAY) - (w/ OPTICAL GEAR DISPLAY) *	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-	-	-	✓
Shift lever cable adjust		:	1	1	1	✓	1	✓
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		-	-	2	3	3	3	
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY F	RELEASE	1	1	1	1	1	1
	Adjustal	ble lever	-	-	-	-	-	-
	w	ith	-	-	1	1	1	-
OPTICAL GEAR DISPLAY		movable)	_	-	-	_	-	-
DISPLAT		hout	1	1	1	1	1	1
Multi-bearing			<u> </u>	_	-	<u> </u>	-	-
		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	Stainless steel	-
Clamp screw		ish	- Stanness steel	-	-	-	- Stanness steer	-
		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body		ish	-	-	-	-	-	-
		erial		-	Steel+GFRP	Steel+Resin	Steel+Resin	Steel+GFRP
Release lever body		ish	<u> </u>	-	-	-	-	-
			GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Base cover	Base cover Finish			-	-			
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	✓	✓	1	✓	1	-
Shift lever cable Inner cable SIL-TEC		-	-	-	-	-	-	
Stainless		-	-	1	-	-	1	
		Steel	1	1	-	1	1	-
Recommended shif	t lever oute		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
			-	-	-	-	-	-
Average weight (g) Note								

Shifter

Ser	ies		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	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	speeds		2/3	-	3
Rear s	peeds		-	9	-
Compatible real	Compatible rear derailleur type		-	MTB 9-speed	-
	Clamp	band	-	✓	✓
Mount tune	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	-SPEC EV)	✓	-	-
Shift lever	able adjus	t	✓	1	1
Front 2/3 mo	Front 2/3 mode converter		✓	-	-
Max. multiple shift	s (main lev	er/rear)	-	3	-
	MULTI	RELEASE	-	-	-
Release function	INSTANT RELEASE		-	-	-
Release function	2-WAY	RELEASE	✓	✓	✓
	Adjusta	ble lever	-	-	-
	With		-	✓	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-
	Without		✓	-	-
Multi-bearing	constructi	on	-	-	-
Shift lever bracket	Mat	erial	Aluminum	Aluminum	Aluminum
	Fir	ish	Painted	Painted	Painted
Clamp screw	Mat	erial	-	Stainless steel	Stainless steel
·	Fir	ish	-	-	-
Main lever body		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP
,		ish	-	-	-
Release lever body		erial	Steel+GFRP	Steel+GFRP	Steel+GFRP
		ish	-	-	-
Base cover		erial	GFRP	GFRP	GFRP
	Fir	nish Bolumor	-	-	-
		Polymer- coated cable	-	-	-
Shift lever cable	Inner cable	OPTISLIC	-	-	-
		SIL-TEC	-	-	-
		Stainless	1	1	✓
		Steel	-	-	-
Recommended shif		er casing	OT-SP41	OT-SP41	OT-SP41
Average v			-	-	-
No	te				

JL

SLMT

SMSL

BL

BL

RD

FD

BR

BR

BR

FC

SMCD

SMCR

ВВ

CS HB

FH

WH

CI-DECK

SC

SVV

RD

FD

SMAD

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		-	-
Leve	Lever type		Seat post lever	Seat post lever
	Clamp band	-	1	-
	I-SPEC B	-	-	-
Mount type	I-SPEC II	-	-	-
	I-SPEC EV	1	-	✓
Lever posi	tion adjust	1	-	1
Lever rotation adj	Lever rotation adjust (non I-SPEC EV)		-	-
Cable a	Cable adjuster		1	1
Multi bearing	construction	1	-	-
Lever bracket	Material	Aluminum	Aluminum	Aluminum
Lever bracket	Finish	Painted	Painted	Painted
Clause saussi	Material	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Finish	Black oxide finish	-	-
I accom hander	Material	Aluminum	Aluminum	Aluminum
Lever body	Finish	Painted	Painted	Painted
I aver sable	Material	Stainless steel	Steel	Steel
Lever cable	Finish	OPTISLICK	OPTISLICK	OPTISLICK
Recommended shif	t lever outer casing	OT-SP41	OT-SP41	OT-SP41
Average v	weight (g)	37	-	-
Note		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 wir length

Shifter (Integration Unit)

Ser	ries	XTR	XTR	DEORE XT	DEORE XT
Mode	Model no.		SM-SL98-B-L	SM-SL78-B-R	SM-SL78-B-L
Base cove	Base cover material		CFRP	GFRP	GFRP
Shift lever bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Finish	Anodized	Anodized	Painted	Painted
I-SPEC co	mpatible	√ *	√ *	√ *	√ *
Compatib	Compatible shifter		SL-M980 SL-M780, SL-T7		SL-M780, SL-T780
No	Note		* I-SPEC B-type compatible	* I-SPEC B-type compatible	* I-SPEC B-type compatible

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Brake Lever (Hydraulic Disc Brake)

Ser	ies	XTR	XTR	SAINT	DEORE XT	DEORE XT	SLX
Mode	el 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	e (finger)	2	2	2	2	2	2
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Brake h	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 (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	White	-	-	-
J-Kit spec	(for OEM)	~	✓	1	1	1	1
SERVO	WAVE	-	✓	✓	✓	1	~
Reach adjust	Toolless	-	✓	✓	✓	1	✓
Reach aujust	Tool	~	-	-	-	-	-
Free stro	ce adjust	-	✓	✓	✓	1	-
	Clamp band	✓	✓	✓	✓	1	~
Compatible shifter mount	I-SPEC B	-	-	✓	-	-	-
mount	I-SPEC II	-	-	-	-	1	-
	I-SPEC EV	~	✓	-	1	-	✓
Clamp band	Open clamp	✓	✓	1	1	1	✓
Shifter rotation angle	adjust range (I-SPEC leg.)	60	60	-	20	-	20
Recommended	l 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
0	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel b	leeding	✓	✓	1	1	1	1
Clama	Material	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Finish	Anodized	Painted	Painted	Painted	-	Painted
Bushe laven	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Finish	Painted	Anodized	Anodized	Anodized	Anodized	Anodized
Master sidinda	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						

SLMT

CMCI

3L

RD

. .

RR

BR

FC

SMCD SMCR

BB

CS

WH

CI-DECK

SW

RD

FD

SMAD

SC

Brake Lever (Hydraulic Disc Brake)

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model 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 ho	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	1
SERVO	WAVE	✓	-	✓	-	-	-
Booch adjust	Toolless	=	-	=	-	-	-
Reach adjust	Tool	1	1	1	1	1	1
Free strol	ke adjust	-	-	-	-	-	-
	Clamp band	1	1	1	1	1	1
Compatible shifter	I-SPEC B	-	-	-	-	-	-
Compatible shifter mount	I-SPEC II	-	-	1	-	-	-
	I-SPEC EV	1	1	-	-	-	-
Clamp band	Open clamp	✓	1	1	-	-	-
Shifter rotation angle EV ;	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	1	1	1
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel	Steel	Steel	Steel
Clamp screw	Finish	-	-	-	Plated	Plated	Plated
Broke lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Master culinder	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Master cylinder	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Average v	veight (g)	-	-	-	-	-	-
No	rte			-	-	* The option color part is master cylinder	-

Brake Lever (Hydraulic Disc Brake)

		<u> </u>			
Ser	ries	SHIMANO			
Mode	Model no.				
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	1	Black			
Brake hose color (kit)	2	-			
J-Kit spec	(for OEM)	1			
SERVO	WAVE	-			
	Toolless	-			
Reach adjust	Reach adjust Tool				
Free stro	ke adjust	-			
	Clamp band	1			
Compatible shifter	I-SPEC B	-			
mount	I-SPEC II	-			
	I-SPEC EV	-			
Clamp band	Open clamp	-			
Shifter rotation angle	e adjust range (I-SPEC deg.)	-			
Recommended	d brake caliper	BR-MT200 BR-UR300			
o	il	SHIMANO mineral			
Funnel b	pleeding	1			
Clamp	Material	Steel			
Clamp screw	Finish	Plated			
Busha lawa	Material	Steel			
Brake lever	Finish	Painted			
	Material	Aluminum			
Master cylinder	Finish	Painted			
Average v	veight (g)	-			
No	ote	-			

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Brake Lever

Sei	ries	DXR			
Mode	Model no.				
	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 POWER	V-BRAKE	-			
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 IEVEI	Finish	Anodized			
Brake bracket	Material	Aluminum			
Diane Diacket	Finish	Painted			
Stainless cl	amp screw	✓			
Average v	weight (g)	175 (/pair)			
No	ote	For BMX			

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Rear Derailleur

Seri	ies	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 s		12	12	12 (front double)	12	12	12 (front double)
Compatib		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
	SHIMANO SHADOW	-	-	-	-	-	-
RD construction						,	
	SHIMANO SHADOW RD+		1		1	1	-
-	Double servo	-	-	-	-	-	-
	Direct attachment (conventional)	<u> </u>	1	· ·	•	1	<u> , </u>
Mount	Direct mount	-	-	-	-	-	-
	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Mode co	nverter	-	-	-	-	-	-
Cable a	djuster	-	-	-	-	-	-
Max. front	difference	0T	OT	10T	0T	0T	10T
Total ca	pacity	35T	41T	41T	35T	41T	45T
	Max.	45T	51T	45T	45T	51T	45T
Low sprocket	Min.	45T	51T	45T	45T	51T	45T
	Max.	10T	10T	10T	10T	10T	10T
Top sprocket	Min.	10T	10T	10T	10T	10T	10T
Fluoric coated		8	8	8	4	7	7
	Guide pulley bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing	Sealed Bearing
-			-			_	
	Tension pulley bearing	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 type pulley screw	✓	✓	✓	✓	✓	✓
Procket	Material	-	-	-	-	-	-
Bracket	Finish	-	-	-	-	-	-
	Hollow axle	✓	1	✓	1	1	1
B-axle	Material	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel
	Finish	Anodized	Anodized	Anodized	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	-	-	-	-	-	-
ľ	Finish	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	-	-	-	-	-	-
	Material	CFRP	CFRP	CFRP	GFRP	GFRP	GFRP
Plate body	Finish	Painted	Painted	Painted	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
-	Material	Carbon	Carbon	Carbon	Aluminum	Aluminum	Aluminum
Outer plate	Finish	Painted		Painted	Painted	Painted	Painted
			Painted Aluminum				
Inner plate	Material	Aluminum		Aluminum	Aluminum Painted	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized		Painted Stainless staal	Painted Stainless staal
Cable fixing screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Black	Black	Black		-	
Stroke adjusting screw	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
2CI CAA	Finish	Anodized	Anodized	Anodized	Plated	Plated	Plated
	Average weight (g)						
Average w	veight (g)	237	240 w/Bumper on pully	241	286 w/Bumper on pully	284 w/Bumper on pully	287

Rear Derailleur

Ser	ies	SLX	SLX	DEORE	DEORE XT	DEORE XT	DEORE
Mode	el no.	RD-M7100-SGS	RD-M7120-SGS	RD-M6100-SGS	RD-M8130-SGS	RD-M8000-SGS	RD-M5100-SGS
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	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	-	-	-	-	-	-
RD construction	SHIMANO SHADOW RD+	✓	✓	✓	✓	✓	✓
	Double servo	-	-	-	-	-	-
	Direct attachment (conventional)	✓	✓	1	1	✓	✓
	Direct mount	-	-	-	-	/ *	-
Mount	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	_	-	-
Mode co		-	_	_	_	_	_
		-	-	-	-	-	
Cable a Max. front		- 0Т	- 10T	- 0T	OT	- 18T	0T
		41T		41T		47T	
Total ca	apacity	411	45T	411	39T		40T
Low sprocket	Max.	51T	45T	51T	50T	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	51T
	Min.	51T	45T	51T	50T	40T	51T
Ton envested	Max.	10T	10T	10T	11T	11T	11T
Top sprocket	Min.	10T	10T	10T	11T	11T	11T
Fluoric coated	link bushings	7	7	7	7	4	7
	Guide pulley bearing	-	-	-	Sealed Bearing	Sealed Bearing	-
	Tension pulley bearing	-	-	-	Sealed bearing	Sealed bearing	-
Pulley	Teeth	13T	13T	13T	13T	11T	13T
	Screws material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw	✓	✓	1	1	✓	1
	Material	-	-	-	-	Aluminum	-
Bracket	Finish	-	-	-	-	Painted	-
	Hollow axle	✓	✓	✓	1	✓	✓
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	✓	-
B-axle 2	Material	-	-	-	-	Stainless steel	-
	Finish	-	-	-	-	-	-
Dunelot hade	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Finish	Painted	Painted	Painted	Painted	Painted	Painted
P-avlo	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	-	-	-	-	-	-
Plata hadu	Material	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Plate body	Finish	-	-	-	-	-	-
Outer link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer lillik	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
miner min	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Outer plate	Material	Steel	Aluminum	Steel	Aluminum	Aluminum	Steel
Outer place	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner plate	Material	Aluminum	Steel	Steel	Aluminum	Aluminum	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fixing screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
-	Finish	-	-	-	-	-	-
Stroke adjusting screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Average v	veignt (g)	313	307	-	308	275	-
No	te	w/Bumper on pully cage			w/Bumper on pully cage	* w/o Bracket spec. available	

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Rear Derailleur

Sei	ries	DEORE	DEORE	SAINT	SLX	SLX	SLX
Mode	el no.	RD-M5120-SGS	RD-M4120-SGS	RD-M820-SS	RD-M7000-10-SGS	RD-M670-GS	RD-M670-SGS
Calan	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	11/10	11/10	10	10	10	10
Compati	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	-	1	-	-	1	1
RD construction	SHIMANO SHADOW	✓	-	✓	1	-	-
	Double servo	-	-	-	-	-	_
	Direct attachment (conventional)	1	1	1	1	1	1
	<u> </u>			-	-		
Mount	Direct mount	√	1	√ *	√ *	/ *	/ *
	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Mode co	onverter	-	-	1	-	-	-
Cable a	djuster	-	-	-	-	-	-
Max. front	difference	10T	10T	Single	22T	18T	22T
Total c	apacity	41T	41T	25T	43T	35T	43T
12	Max.	46T (1x11/ 1x10-speed), 42T	42T	28T, 36T	36T	36T	36T
Low sprocket	8.61	(2x11/2x10-speed)	42T	227	227	227	22.
	Min.	42T	42T	23T	32T	32T	32T
Top sprocket	Max.	11T	11T	12T	11T	11T	11T
	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated	l link bushings	4	3	5	2	3	3
	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley bearing	-	-	Sealed bearing	-	-	-
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	✓	1	1	1	1	✓
	Material	Steel	Steel	Aluminum	Steel	Steel	Steel
Bracket	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Hollow axle	✓	1	1	1	1	1
B-axle	Material	Stainless steel	Stainless steel	Aluminum	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	Anodized	-	-	-
	Hollow axle	✓	1	1	1	-	-
B-axle 2	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	-	-	-	-
5 1 11 1	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Finish	Painted	Painted	Painted	Painted	Painted	Painted
D '	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	-	Zinc plated	-	-	-	-
Diata had	Material	Resin	Resin	Aluminum	Aluminum	Aluminum	Aluminum
Plate body	Finish	-	Painted	Painted	Painted	Painted	Painted
Outer link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Material	Resin	Resin	Aluminum	Steel	Steel	Steel
mmer mik	Finish	-	Painted	Painted	Painted	Painted	Painted
Outer plate	Material	Steel	Steel	Aluminum	Steel	Steel	Steel
Outer plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner plate	Material	Steel	Steel	Aluminum	Aluminum	Aluminum	Aluminum
iiiiei piate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fiving seres:	Finish	-	-	Black	-	-	-
Cable fixing screw			Steel	Steel	Steel	Steel	Steel
	Material	Steel	steel				
Cable fixing screw Stroke adjusting screw		Steel Plated	Plated	Plated	Plated	Plated	Plated
Stroke adjusting screw	Material				Plated 313	Plated 278	Plated 281

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Rear Derailleur

Ser	ies	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	el no.	RD-M6000-GS	RD-M6000-SGS	RD-M5130-GS	RD-M610-GS	RD-M610-SGS
	1	Series black	Series black	Series color	Black	Black
Color	2	-	-	-	Silver	Silver
Rear s	peeds	10	10	10	10	10
Compatil	ble chain	HG-X 10-speed	HG-X 10-speed	LINKGLIDE, HG 11-speed	HG-X 10-speed	HG-X 10-speed
	SHIMANO SHADOW	-	-	-	✓	1
RD construction	SHIMANO SHADOW RD+	✓	1	√	-	-
	Double servo	-	-	-	-	-
	Direct attachment (conventional)	✓	✓	✓	✓	1
	Direct mount	√ *	√ *	-	√ *	√ *
Mount	Riveted adapter (ROAD type)	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-
Mode co		-	-	_	-	_
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
	Max.	11T	11T	11T	11T	11T
Top sprocket	Min.	11T	11T	11T	11T	11T
Fluoric coated		4	3	7	3	3
	Guide pulley bearing	-	-	Bush	-	-
Pulley	Tension pulley bearing	-	-	Bush	-	-
	Teeth	11T	11T	13T	11T	11T
	Screws material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw	√	√	√	√	√
Bracket	Material	Steel	Steel	-	Steel	Steel
	Finish	Painted	Painted	-	Painted	Painted
	Hollow axle	✓ Chaird an atract	Chaire I and a short	- Challed an artical	Statistics start	✓ Shainless shail
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	-	-	-
nl o	Hollow axle	√	√	-	<i>1</i>	/
B-axle 2	Material	Stainless steel	Stainless steel	-	Stainless steel	Stainless steel
	Finish	-	-	-	-	-
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
P-axle	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	- Alimei	-	-	- Al
Plate body	Material	GFRP	Aluminum	GFRP	Aluminum	Aluminum
	Finish	- Alamata	Painted	- Al	Painted	Painted
Outer link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
Inner link	Material	Aluminum	Steel	Aluminum	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Outer plate	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Inner plate	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Cable fixing screw	Material	Steel	Steel	Stainless steel	Steel	Steel
	Finish	Plated	Plated	- Charl	Plated	Plated
Stroke adjusting screw	Material	Steel	Steel	Steel	Steel	Steel
Average v	Finish weight (a)	Plated -	Plated -	Plated -	Plated -	Plated -
		* w/o Bracket spec.	* w/o Bracket spec.	-	* w/o Bracket spec.	* w/o Bracket spec.
No	ote	available	available	-	available	available

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Sei	ries		XTR	XTR	XTR	DEORE XT	DEORE XT	DEORE XT
Mode	Model no.		FD-M9100-D	FD-M9100-E	FD-M9100-M	FD-M8100-D	FD-M8100-E	FD-M8100-M
- 1		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	Color 2		-	-	-	-	-	-
Front	speeds		2	2	2	2	2	2
	peeds		12	12	12	12	12	12
Compati	ble chain		HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
		WING	-	-	-	-	-	-
Action		swing	=	-	_	=	-	_
7101011		WING	1	1	1	1	1	1
	3,52,	28.6	-	-	_ *	-	-	- *
	Clamp band (mm)	31.8	-	-	✓ (w/ M size	-	-	✓ (w/ M size
	(mm)	34.9	_	_	adapter) ✓	_	_	adapter)
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	✓	-
	Direct	mount	1	-	-	1	-	-
		l-pull	-	-	-	-	-	-
		exclusive	-	-	-	-	-	-
Cable route type	<u> </u>	l exclusive	-	-	-	-	-	-
	<u> </u>	t-pull	1	1	1	1	1	1
Chain li	ne (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 a	angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	ar teeth		38T	38T	38T	36-38T	36-38T	36-38T
Total capacity		10T	10T	10T	10T	10T	10T	
Applicable top-mi	d tooth diff	erence	-	-	-	-	-	-
Multi access cal	ble fixing so	rew	-	-	-	-	-	-
Angled stroke	e adjust scr	ew	1	1	1	1	1	1
Angled clamp	band desi	gn	-	-	-	-	-	1
Link bu	ıshings		6	6	6	6	6	6
	Mat	erial	-	-	Aluminum	-	-	Aluminum
Front clamp band	Fin	ish	-	-	Painted	-	-	Painted
B		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket		ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	-	-	Stainless steel	-	-	Stainless steel
Clamp screw		ish	-		-	-	-	-
		erial	-	_	-	-	-	_
Bottom bracket plate		ish						
-			Aluminum	- Aluminum	- Aluminum	Aluminum	Aluminum	Aluminum
Outer link		erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
						Aluminum		
Inner link		erial	Aluminum	Aluminum	Aluminum		Aluminum	Aluminum
		ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide		erial	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
		ish	Plated	Plated	Plated	Plated	Plated	Plated
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish	- Charl	-	- Charles	- Charl	-	- Charl
Stroke adjusting screw		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish	Black	Black	Black	Black	Black	Black
Average weight (g direct type) (band type w/ screw)	e: L size,	110	88	99	135	106	114
No	ote		-	-	* S-size adapter is available in OTC package only			* S-size adapter is available in OTC package only
					Chain line 48.8 mm, 51.8 mm compatible			Chain line 48.8 mr 51.8 mm compatib

Ser	ies		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	peeds		2	2	2	2	2	2
Rear s	peeds		12	12	12	11	11	11
Compati	ole chain		HG 12-speed	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
	TOP S	WING	-	-	-	-	-	✓
Action	Down	swing	-	-	-	1	1	-
	SIDE S	WING	✓	✓	1	-	-	-
		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 plate	-	-	1	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	-	-
	Direct	mount	✓	-	-	1	-	-
	Dua	l-pull	-	-	-	1	1	-
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Cable foute type	Down-pul	l exclusive	-	-	-	-	-	✓
	Fron	t-pull	✓	✓	1	-	-	-
Chain lii	ne (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	48.8	48.8
Chainstay a	ngle (deg.))	66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r teeth		36-38T	36-38T	36-38T	34-38T	34-38T	34-38T
Total ca	apacity		10T	10T	10T	10T	10T	10T
Applicable top-mi	d tooth diff	ference	-	-	-	-	-	-
Multi access cal	ole fixing so	crew	-	-	-	-	-	-
Angled stroke	adjust scr	ew	✓	1	1	✓	1	1
Angled clamp	band desi	gn	-	-	✓	-	✓	✓
Link bu	shings		6	6	6	6	6	6
Front clamp band	Mat	erial	-	-	Aluminum	-	Aluminum	Aluminum
		ish	-	-	Painted	-	Painted	Painted
Rear clamp band, base bracket		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
base bracket		nish 	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw		erial	-	-	Stainless steel	-	Stainless steel	Stainless steel
-		nish	-	-	-	-	-	-
Bottom bracket plate		erial	-	-	-	-	-	-
F-346		nish	- -	- Al	- Al	- Al.,	- A1	-
Outer link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		nish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link		erial	Aluminum	Aluminum Painted	Aluminum Painted	Aluminum	Aluminum Painted	Aluminum Painted
		erial	Painted			Painted Steel		Steel
Chain guide		ish	Steel Plated	Steel	Steel	Plated	Steel	Plated
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		nish		-	-	-	-	
a. 1		erial	Steel	Steel	Steel	Stainless steel	Stainless steel	Stainless steel
Stroke adjusting screw		nish	Black	Black	Black	-	-	-
Average weight (g) direct type			135	106	114	140	152	133
direct type		•	133	100	* S-size adapter is available in OTC package only	140	* S-size adapter is available in OTC	* S-size adapter is available in OTC
					Chain line 48.8 mm, 51.8 mm compatible		package only.	package only.

ИТВ

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FD

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CI-DECK

Sei	ries		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode	el no.		FD-M785	FD-M785-E2	FD-M786	FD-M786-D	FD-M770	FD-M770-E
Callan		1	Black	Black	Black	Black	Series color	Series color
Color	- 2	2	-	-	Silver	Silver	-	-
Front speeds		2	2	2	2	3	3	
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
	TOP S	WING	✓	✓	-	-	✓	✓
Action	Down	swing	-	-	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		✓	-
Mount		With bottom bracket plate	-	-	-	-	-	1
	E-type	Without bottom bracket plate	-	1	-	-	-	1
	Direct	mount	-	-	-	1	-	-
		-pull	1	1	1	1	1	1
	Top-pull		-	-	1	· /	-	-
Cable route type	Down-pul		-	-	-	-	-	-
	Fron		-	-	-	-	-	-
Chain li			48.8	48.8	48.8	48.8	50	50
Chainstay a	angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
	ar teeth		38-44T	38-44T	38-44T	38-44T	44T, 48T	44T
Total c	apacity		14T	14T	14T	14T	22T	22T
Applicable top-mi	d tooth diff	erence	-	-	-	-	12T	12T
Multi access cal	ble fixing so	rew	1	1	-	-	-	-
Angled stroke	adjust scre	ew	1	1	1	1	1	✓
Angled clamp	band design	gn	1	-	1	-	1	-
Link bu	ıshings		2	2	8	8	2	2
Sound alasses based	Mat	erial	Aluminum	-	Aluminum	-	Aluminum	-
Front clamp band	Fin	ish	Painted	-	Painted	-	Painted	-
Rear clamp band.	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Stainless steel	-	Stainless steel	-	Stainless steel	-
Claimp screw	Fin	ish	-	-	-	-	-	-
Bottom bracket plate	Mat	erial	-	-	-	-	-	Aluminum
plate	Fin	ish	-	-	-	-	-	Painted
Outer link	Mat	erial	Steel	Steel	Aluminum	Aluminum	Steel	Steel
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin		Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Mat		Steel	Steel	Steel	Steel	Steel	Steel
	Fin		Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw	Mat		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
-	Fin		-	-	-	-	-	-
Stroke adjusting screw	Mat Fin		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Average weight (g)			136	127	155	146	152	166
	w/ screw) ote		* Outer casing stopper integrated design.		.55	. 10	* Outer casing stopper integrated design.	.55

Ser	ies		DEORE XT	DEORE XT	DEORE XT	SLX	SLX	DEORE
Mode	el no.		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
Compatil	ole chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG-X 10-speed
	TOP SWING		-	-	✓	1	-	-
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)	√ (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 bottom bracket plate	-	-	-	-	-	-
	Direct	mount	-	1	-	-	-	-
	Dual		1	√	✓ (w/ M size adapter)	1	1	-
Cable route type	Top-pull	exclusive	-	-	√	-	-	-
Cable route type	Down-pul		-	-	-	-	-	-
	Fron	t-pull	-	-	-	-	-	1
Chain lir	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	erence	12T	12T	12T	12T	12T	10T
Multi access cal	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	✓	✓	-	1	1	✓
Angled clamp	band desig	gn	✓	-	✓	✓	✓	✓
Link bu	shings		8	8	2	2	8	4
Front clamp band	Mat	erial	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
Tront damp band	Fin	ish	Painted	-	Painted	Painted	Painted	Painted
Rear clamp band, base bracket		erial	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
Dase Didtket		ish	Painted	-	Painted	Painted	Painted	Painted
Clamp screw		erial 	Stainless steel	-	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Fin		-	-	-	-	-	-
Bottom bracket plate		erial	-	-	-	-	-	-
F		ish	-	- A l	- Charl	- Charl	- Al.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- CERR. Stand
Outer link		erial ish	Aluminum	Aluminum Painted	Steel Painted	Steel Painted	Aluminum Painted	GFRP+Steel
		erial	Painted Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	- Aluminum
Inner link		ish	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	Plated
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		ish	-	-	-	-	-	-
Stroko adiustina		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	te					* Outer casing stopper integrated design.		

SL

SLMT

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CI-DECK

Front Derailleur

Seri	ies		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	Series black	Series black	Series black	Series black	Series black	Series black
Color		2	-	-	-	-	-	-
Front s	peeds		3	3	3	3	2	2
Rear s _i	peeds		10	10	10	10	10	10
Compatik	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
Action	Down	swing	-	-	-	-	1	-
	SIDE S	WING	1	1	✓	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	1	1	-	-	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	1	-	-
	Direct	mount	-	-	1	-	-	-
	Dual	-pull	-	-	-	-	1	-
	Top-pull	exclusive	-	-	-	-	-	-
Cable route type	Down-pul		-	-	-	-	-	1
	Fron	t-pull	1	1	1	1	-	-
Chain lin		•	50	50	50	50	48.8	48.8
Chainstay a			66-69	66-69	66-69	66-69	66-69	66-69
Top gea			40-42T	40-42T	40-42T	40-42T	34-38T	34-38T
Total capacity		18T	18T	18T	18T	10T	10T	
Applicable top-mic	tooth diff	erence	10T	10T	10T	10T	-	-
Multi access cab	le fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	1	1	✓	1	1	1
Angled clamp	band design	gn	1	1	-	-	1	1
Link bu	shings		4	4	4	4	8	2
	Mat	erial	Aluminum	Aluminum	-	-	Aluminum	Aluminum
Front clamp band	Fin	ish	Painted	Painted	-	-	Painted	Painted
Rear clamp band	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Cl	Mat	erial	Stainless steel	Stainless steel	-	-	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
Bottom bracket	Mat	erial	-	-	-	-	-	-
plate	Fin	ish	-	-	-	-	-	-
Outer link	Mat	erial	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	Aluminum	Steel
Outer IIIIK	Fin	ish	-	-	-	-	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
mile illik	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
and guide	Fin	ish	Plated	Plated	Plated	Plated	Plated	Plated
Cable fixing screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish	-	-	-	-	-	-
Stroke adjusting screw		erial	Steel	Steel	Steel	Steel	Stainless steel	Stainless steel
		ish	Black	Black	Black	Black	-	-
Average weight (g) direct type	(band type w/ screw)	e: L size,	-	-	-	-	-	-
No								

RD

SMAD

FD

Sei	ies		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	el no.		FD-M6025-D	FD-M5100-D	FD-M5100-E	FD-M5100-M	FD-M4100-D	FD-M4100-E
Cala		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 S	WING	-	-	-	-	-	-
Action	Down	swing	✓	-	-	-	-	-
	SIDE S	WING	-	✓	✓	1	✓	✓
		28.6	-	-	-	_ *	-	-
	Clamp band (mm)	31.8	-	-	-	✓ (w/ M size adapter)	-	-
		34.9	-	-	-	1	-	-
Mount	F 4:	With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	1	-	-	1
	Direct	mount	1	1	-	-	1	-
		l-pull	1	-	-	-	-	-
		exclusive	-	-	-	-	-	-
Cable route type		l exclusive	-	-	-	-	-	-
	Fron	t-pull	-	1	1	1	1	1
Chain li		•	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	ngle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	r 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	ole fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scre	ew	1	1	1	1	1	1
Angled clamp	band desig	gn	-	-	-	1	-	-
Link bu	ıshings		8	4	4	4	4	4
Front clamp band	Mat	erial	-	-	-	Aluminum	-	-
Front clamp band	Fin	ish	-	-	-	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	-	-
	Fin	ish	-	-	-	-	-	-
Bottom bracket		erial	-	-	-	-	-	-
plate		ish	-	-	-	-	-	-
Outer link		erial	Aluminum	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel
		ish	Painted	-	-	-	-	-
Inner link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish	Plated	Plated	Plated	Plated	Plated	Plated
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel	- Stainless steel
Stroke adjusting screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		ish o: Leizo		Black	Black	Black	Black	Black
Average weight (g direct type	w/ screw)	e. L SIZE,	-	-	-	-	-	-
No	ote		* Compatible with the special crankset which chain line is 3 mm outboard.			* S-size adapter is available in OTC package only.		

ИТВ

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FD

SMAD

CI-DECK

Sei	ries		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
Mode	el 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 :	speeds		2	2	2	2	2	2
Rears	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	-	-	-	-	-	1
Action	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	1	1	-	-	-
Mount		With bottom bracket	-	-	-	-	-	-
	E-type	plate Without bottom bracket	-	-	-	-	1	√
		plate				_		
		mount	-	-	-	√	-	-
		l-pull	-	-	-	-	-	-
Cable route type		exclusive	-	-	-	-	-	-
		l exclusive	-	-	-	-	-	✓
		t-pull	1	1	1	√	√	-
	ne (mm)		48.8/51.8	48.8	48.8	48.8	48.8	48.8 *
Chainstay a	angle (deg.)		66-69	66-69	66-69	66-69	66-69	66-69
Top gea	ar teeth		36T	36-38T	36-38T	36-38T	36-38T	36-38T
Total c	apacity		10T	14T	14T	14T	14T	14T
Applicable top-mi			-	-	-	-	-	-
Multi access cal	ble fixing so	rew	-	-	-	-	-	-
Angled stroke	e adjust scre	ew	1	1	1	✓	1	1
Angled clamp		gn	1	1	1	-	-	-
Link bu	ushings		4	4	4	4	4	2
Front clamp band	Mat	erial	Aluminum	Aluminum	Aluminum	-	-	-
	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
	Fin	ish		-	-	-	-	-
Bottom bracket plate		erial	-	-	-	-	-	-
piate	Fin		-	-	-	-	-	-
Outer link		erial	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	GFRP+Steel	Steel
		ish	-	-	-	-	-	Painted
Inner link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		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
J		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,	-	-	-	-	-	-
direct type w/ screw)			* 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.

Ser	ries		DEORE	DEORE	DEORE	DEORE	DEORE	DEORE
	Model no.		FD-M610-B	FD-M610-E	FD-M611-B	FD-M611-D	FD-M615-B	FD-M615-E2
		1	Black	Black	Black	Black	Black	Black
Color		<u>.</u> 2	-	-	-	-	-	-
Fronts	speeds		3	3	3	3	2	2
Rear speeds		10	10	10	10	10	10	
Compatil	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	1	1	-	<u> </u>	1	1
Action	Down	swing	-	-	1	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)	-
	(11111)	34.9	1	-	√	-	√	-
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	-	1
	Divoct	plate mount	_		_	-	_	
			-		-	<u> </u>	-	- /
		l-pull	-	-	1	<u> </u>	-	-
Cable route type		exclusive I exclusive	-	<u> </u>	-	-	-	<u> </u>
	— ·		-	-	-	-	-	-
 Chain lir		t-pull	50	50	50	50	48.8	
Chainstay a			66-69	66-69	66-69	66-69	66-69	48.8 66-69
		!						
Top gea			40-42T	40-42T	40-42T	40-42T	38-44T	38-40T
Total ca			18T	18T	18T	18T	14T	14T
Applicable top-mic			10T	10T	10T	10T	-	-
Multi access cal			1	· ·		-	1	
Angled stroke			1	1	1	✓	1	✓
Angled clamp		gn	✓	-	√	-	✓	-
Link bu		ial	2	2	8	- 8	2	2
Front clamp band		erial	Aluminum	-	Aluminum	-	Aluminum	
		nish Tarial	Painted		Painted		Painted	- Aluminum
Rear clamp band, base bracket		erial	Aluminum Painted	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		ish arial		Painted	Painted Stainless steel	Painted -	Painted Stainless steel	Painted
Clamp screw		erial	Stainless steel	-	Stainless steel		Stainless steel	-
		nish Porial	-	-	-	-	-	-
Bottom bracket plate		erial ish	-	-	-	-	-	-
		erial	Steel	Steel	Aluminum	Aluminum	Steel	Steel
Outer link		ish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link		nish	Painted	Painted	Painted	Painted	Painted	Painted
		erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide		nish	Pearl bright	Pearl bright	Pearl bright	Pearl bright	Pearl bright	Pearl bright
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw		nish	-	-	-	-	-	-
		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Stroko adiustina								
Stroke adjusting screw		ish	-	-	-	-	-	-
Stroke adjusting screw Average weight (g) direct type	Fin		-	-	-	-	-	<u>-</u>

Front Derailleur

Sei	ries		DEORE	DEORE	
Mode	el no.		FD-M616-B	FD-M616-D	
		1	Black	Black	
Color		2	-	-	
Front :	speeds		2	2	
Rear s	Rear speeds			10	
Compati	Compatible chain		HG-X 10-speed	HG-X 10-speed	
	TOP S	WING	-	-	
Action	Action Down sv		1	1	
	SIDE SWING		-	-	
		28.6	✓ (w/ S size adapter)	-	
	Clamp band (mm)	31.8	✓ (w/ M size adapter)	-	
	. ,	34.9	1	-	
Mount	F. 40.00.0	With bottom bracket plate	-	-	
	E-type	Without bottom bracket plate	-	-	
	Direct mount		-	✓	
	Dua	l-pull	✓	✓	
Cable route type	Top-pull	exclusive	✓	✓	
Cable foute type	Down-pul	l exclusive	-	-	
	Fron	t-pull	-	-	
Chain li	ne (mm)		48.8	48.8	
Chainstay a	ngle (deg.)		66-69	66-69	
Top gea	r teeth		38-44T	38-44T	
Total c	apacity		14T	14T	
Applicable top-mi	d tooth diff	erence	-	-	
Multi access cal	ole fixing so	rew	-	-	
Angled stroke	adjust scr	ew	1	1	
Angled clamp	band desi	gn	1	-	
Link bu	ıshings		8	8	
Event deven bear	Mat	erial	Aluminum	-	
Front clamp band	Fin	ish	Painted	-	
Rear clamp band,	Mat	erial	Aluminum	Aluminum	
base bracket	Fin	ish	Painted	Painted	
Claman	Mat	erial	Stainless steel	-	
Clamp screw	Fin	ish	-	-	
Bottom bracket	Mat	erial	-	-	
plate	Fin	ish	-	-	
Outo- E-l-	Mat	erial	Aluminum	Aluminum	
Outer link	Fin	ish	Painted	Painted	
Inner Bet	Mat	erial	Aluminum	Aluminum	
inner link	Inner link Finish		Painted	Painted	
Chain avida	Chain guide Material		Steel	Steel	
Chain guide	Chain guide Finish		Pearl bright	Pearl bright	
Cable fiving coro	Mat	erial	Stainless steel	Stainless steel	
Cable fixing sciew	Cable fixing screw Finish		-	-	
Stroke adjusting screw	Mat	erial	Stainless steel	Stainless steel	
		ish	-	-	
Average weight (g direct type		e: L size,	-	-	
No	ote				

SL

SLMT

SMSL

BL

3L

RD

-D

BR

BR

FC

SMCD

SMCR

ВВ

НВ

FH

WH

CI-DECK

SC

SW

RD

FD

SMAD

sc

Brake (Hydraulic Disc Brake)

Ser	ies	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT
Model 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	1	1	1
ICE TECHNOLOGIES p	ad compatible caliper	-	1	1	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 for rear mount	20 mm mount	-	1	-	-	-	1
Tor 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	1	1
Compatible rotor size	180 mm (M)	1	-	1	1	1	1
	203 mm (L)	-	-	1	1	1	-
	220 mm (LL)	-	-	1	1	1	-
0		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY		1	1	-	1	1	1
Moun		Post type	Flat mount	Post type	Post type	Post type	Flat mount
Pist		2	2	4	4	2	2
Piston n		Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
[MONO-BODY	✓	-	-	-	-	-
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 Anti loosen method	** 4 mm Wiring	4 mm Screw fix pin+Snap	** 4 mm Wiring	5 mm Snap ring	5 mm Snap ring	4 mm Screw fix pin+Snap
Pad mount		Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v		92	108	131	153	121	126
Average weight (g) (w/ pad (Standard 1) scre	3 131	193	203	262	303	269	260
No.		** Titanium	For rear only. 140 mm disc brake rotor direct mount	** Titanium			For rear only.

ИТВ

SLMT

SMSL

SMCD

SMCR

ВВ

WH

SVV

RD

FD

SMAD

CI-DECK

Brake (Hydraulic Disc Brake)

Ser	ries	DEORE XT	DEORE XT	DEORE XT	SLX	SLX	SLX
Model no.		BR-M8120	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	1	Black	Black	Black	Black	Black	Black
Brake hose color (kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	1	-	1	1	1	✓
ICE TECHNOLOGIES p	ad compatible caliper	1	1	1	1	1	✓
	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)
· uu	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	-	-	-	-	✓	-
for rear mount	25 mm mount	-	-	-	-	1	-
	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	1	1	1	1	✓
	160 mm (S)	1	1	1	✓	✓	✓
Compatible rotor size	180 mm (M)	1	1	1	✓	✓	✓
	203 mm (L)	1	1	1	1	-	✓
	220 mm (LL)	1	1	1	✓	-	✓
О	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	-	1	1	1	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 r	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 n	nount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v Average weight (g) (141	118	153	121	125	142
Average weight (g) (w/ pad (Standard 1 scre		289	266	303	271	262	293
No	ote					For rear only.	

Brake (Hydraulic Disc Brake)

Ser	ries	DEORE	DEORE	DEORE	SHIMANO	SHIMANO	SHIMANO
Mode	Model no.		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 Brake type		-	-	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
(KIL)	2	-	-	-	-	-	-
J-Kit spec (for OEM)		1	1	1	1	1	1
ICE TECHNOLOGIES p	ad compatible caliper	1	-	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	-	-	-	-	-	-
	25 mm mount	-	-	-	-	-	-
	30 mm mount	-	-	-	-	-	-
Basammanda	35 mm mount	- PL M6100	- PL M6100	BL-M6100	PI MTEO1	PI MTEOO	- BL-MT401, BL-
Recommende	d brake lever	BL-M6100	BL-M6100	BL-MT501 BL-T6000	BL-MT501	BL-MT500	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
	220 mm (LL)	1	1	-	1	-	1
	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	1	1	1	1	1	1
Moun		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
Calina	MONO-BODY	Aluminum	- Aluminum	- Aluminum	Aluminu	Aluminum	Aluminum
Caliper	Material Finish	Aluminum Painted	Painted	Painted	Aluminum Painted	Aluminum	Aluminum
	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	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring
Pad n		Split pin (stainless steel)	Split pin (stainless steel)	Split pin (stainless steel)	Split pin	Split pin (stainless steel)	Split pin
Average weight (g)		-	-	-	-	-	-
		-	-	-	-	-	-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws) Note		*: Only compatible with resin pad	*: Only compatible with resin pad	J-Kit spec available * T6000 kit only ** M6000 kit only *** B6th 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		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	
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	20 mm mount	-	-	
Fixing screw spec for rear mount	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)	✓	1	
Compatible rotor size	180 mm (M)	1	1	
	203 mm (L)	1	-	
	220 mm (LL)	-	-	
o	il	SHIMANO mineral	SHIMANO mineral	
ONE WAY	BLEEDING	✓	1	
Moun	t type	Post type	Post type	
Pist	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		5 mm	5 mm	
Anti loosen method		Snap ring	Snap ring	
Pad n	nount	Split pin (stainless steel)	Split pin	
Average v		-	-	
Average weight (g) (w/ pad (Standard 1) scre	kit for front 800 mm,), w/o adapter, w/ 2 ws)	-	-	
No	ote	* Only compatible with resin pad	* Only compatible with resin pad	

52

SLMT

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

		CUINANIO	
Ser		SHIMANO	
Mode	el no.	BR-M375	
	1	Black	
Color	2	-	
	3	-	
Brake	Mechanical disc brake		
ICE TECHNOLOGIES p	ad compatible caliper	-	
	Standard 1	B03S-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-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	-
Brake snoe	Option 1	M70T4
	Option 2	М70Т3
Cartridge s	hoe holder	1
Arch siz	103	
6	X type	1
Spacer type	Y type	1
Compatible lead	pipe angle (deg.)	45/90/135
Sleeve & bu	ushing axle	1
	Material	Aluminum
V-arm/caliper	Finish	Anodized
	Light weight link	1
Course	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		

Crankset

Ser	ries	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
C-1	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	12 (Front double)	12 (Front double)	12	12	12	12
Compatil	ble chain	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed	HG 12-speed
Chain lir		48.8	51.8	52	52	55	56.5
O.L.DTl		142	148	142, 148	142, 148	148	157
O.L.DQR		135	141	135, 141	135, 141		-
P.C.D.		Direct	Direct	Direct	Direct	Direct	Direct
Spider/g	ear arms	4	4	4 20T 22T 24T 2CT	4	4	4
Chainring o	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
•	160	-	-	-	-	-	-
	165	1	1	1	1	1	1
	167.5	-	-	-	-	-	-
Crank arm length	170	1	1	1	1	1	1
(mm)	172.5	-	-	-	-	-	-
	175	1	1	1	✓	✓	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
' guard	Without chain/bash guard	✓	1	1	✓	1	1
HOLLOV		1	1	1	1	1	1
2-PIECE C		-	-	-	-	-	-
HOLLOWTEC		-	-	_	-	-	-
OCTA		_	_	_	-	_	-
HOLLO\		-	-	-	-	-	-
	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
	Threaded (normal)	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93	SM-BB93
Da camentam da d	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain	_	_	_	-	_	_
	case) Press-Fit	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A	SM-BB94-41A
Axle length of		- 31VI-DD34-41A		- JIVI-0034-41A	- JIVI-DD34-4 IA	- JIVI-DD34-41A	- JIVI-DD34-4 TA
	68	7	1	1	1	1	1
Threaded bottom bracket shell width (mm)	73	7	7	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	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
Culdeness	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outon ::!:: ::	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer ring	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Middlerine	Material	-	-	-	-	-	-
Middle ring	Finish	-	-	-	-	-	-
Inner ring	Material	Aluminum	Aluminum	-	-	-	-
Inner ring	Finish	Plated	Plated	-	-	-	-
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
tixing bolt	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Inner ring fixing screw	Material	Aluminum	Aluminum	-	-	-	-
	Finish	Anodized	Anodized	-	-	-	-
Stainless chain g		-	-	-	-	-	-
	crew included	1	1	1	1	1	1
Crank fixing s				528 (30T) 531 (32T)	545 (30T) 548 (32T)	572 (22T)	560 (30T)
Average weight (g) (175 mm, w/o bottom ket)	597	616	544 (34T) 543 (36T) 551 (38T)	562 (34T) 561 (36T) 569 (38T)	573 (32T) 587 (34T)	563 (32T) 577 (34T)

SL

SLMT

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SMCD SMCR

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WH

CI-DECK

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SW

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SMAD

sc

Crankset

Ser	ries	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX
Mode	el no.	FC-M8100-2	FC-M8120-B2	FC-M8100-1	FC-M8120-1	FC-M8130-1	FC-M7100-2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
Rear s		12 (Front double)	12 (Front double)	12	12	12	12 (Front double)
Compati		HG 12-speed	HG 12-speed	HG 12-speed 52	HG 12-speed	HG 12-speed 56.5	HG 12-speed
Chain lii O.L.D. Tl		48.8 142	51.8 148	142, 148	55 148	157	48.8 142
O.L.DN	· ,	135	141	135, 141	141	-	135
P.C.D.		Direct	Direct	Direct	Direct	Direct	Direct
Spider/g		4	4	4	4	4	4
Chainring o	ombination	36-26T	36-26T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T, 36T	28T, 30T, 32T, 34T	36-26T
Q-facto	or (mm)	172	178	172	178	181	172
	160	-	-	-	-	-	-
	165	✓	1	✓	✓	✓	✓
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170	✓	1	1	√	1	√
(mm)	172.5	-	-	-	-	-	-
	175	<u>√</u>	1	-	1	-	√
	177.5 180	- -	- 1	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
guard	Without chain/bash	1	1	1	1	1	1
HOLLOV	guard VTECH II	<u> </u>	1	1	1	<i>'</i>	
2-PIECE C		<u> </u>	-	-	-	-	<u> </u>
HOLLOWTEG		-	-	-	-	-	-
OCTA		-	-	-	-	-	-
HOLLO		-	-	-	-	-	-
	Outboard	✓	1	1	1	1	✓
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Recommended	Threaded (normal)	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT801
	Threaded (E-type) Threaded (chain	-	-	-	-	-	-
bottom bracket	case)	-	-	-	-	-	-
	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA
Axle length of		-	-	-	-	-	-
Threaded bottom bracket shell width	68	√	1	1	1	1	√
(mm)	73 83	<u>√</u>	-	-	-	-	√
Chain case		-	-	-	-	-	<u> </u>
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Crank axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
CIAIIK AXIE	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	-	-	-	-	-
- P	Finish	-	-	-	-	-	-
Spider arm cover	Material Finish	-	-	-	-	-	-
Out of	Material	Aluminum	Aluminum	Steel (teeth), CFRP (body), Aluminum	Steel (teeth), CFRP (body), Aluminum	Steel (teeth), CFRP (body), Aluminum	Aluminum
Outer ring	Finish	Anodized	Anodized	(arm) Painted (teeth), Anodized (arm)	(arm) Painted (teeth), Anodized (arm)	(arm) Painted (teeth), Anodized (arm)	Painted
841.J.H. 1	Material	-	-	-		-	-
Middle ring	Finish	-	-	-	-	-	-
Inner ring	Material	Steel	Steel	-	-	-	Steel
	Finish	Painted	Painted	-	-	-	Painted
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Inner ring fixing screw	Material Finish	Aluminum Anodized	Aluminum Anodized	-	-	-	Aluminum Anodized
Stainless chain g		- Anouizeu	- Anouizeu	-	-	-	- Anodized
Crank fixing s		1	1	1	1	1	1
Average weight (g) (650	662	608 (28T) 622 (30T) 620 (32T) 633 (34T) 651 (36T)	616 (28T) 630 (30T) 628 (32T) 642 (34T) 660 (36T)	624 (28T) 639 (30T) 636 (32T) 650 (34T) 668 (36T)	673
Average weight (g) (brack	,	650	662	622 (30T) 620 (32T) 633 (34T)	630 (30T) 628 (32T) 642 (34T)	639 (30T) 636 (32T) 650 (34T)	673

Crankset

Color Rear spe Compatible Chain line O.L.DThri O.L.DQR/N P.C.D. (n Spider/gea Chainring con	1 2 eeds e chain e (mm) u (mm) Jut (mm) ar arms mbination	FC-M7120-B2 Series color 12 (Front double) HG 12-speed 51.8 148 141 Direct 4	FC-M7100-1 Series color - 12 HG 12-speed 52 142, 148 135, 141 Direct	FC-M7120-1 Series color - 12 HG 12-speed 55 148	FC-M7130-1 Series color - 12 HG 12-speed	FC-M6100-1 Series color - 12	FC-M6120-1 Series color - 12
Rear spe Compatible Chain line O.L.DThru O.L.DQR/N P.C.D. (n Spider/gea Chainring con	2 eeds e chain e (mm) u (mm) Jut (mm) mm) ar ar arms mbination (mm)	12 (Front double) HG 12-speed 51.8 148 141 Direct 4	- 12 HG 12-speed 52 142, 148 135, 141	- 12 HG 12-speed 55	- 12	- 12	-
Rear spe Compatible Chain line O.L.DThru O.L.DQR/N P.C.D. (n Spider/gea Chainring con	eeds e chain e chain u (mm) u (mm) Jut (mm) mm) ar ar arms mbination (mm)	12 (Front double) HG 12-speed 51.8 148 141 Direct 4	12 HG 12-speed 52 142, 148 135, 141	12 HG 12-speed 55	12		
Compatible Chain line O.L.DThri O.L.DQR/N P.C.D. (n Spider/gea Chainring con	e chain e (mm) u (mm) slut (mm) mm) ar arms mbination (mm)	HG 12-speed 51.8 148 141 Direct 4	HG 12-speed 52 142, 148 135, 141	HG 12-speed 55			12
Chain line O.L.DThri O.L.DQR/N P.C.D. (n Spider/gea	e (mm) u (mm) lut (mm) mm) ar arms mbination (mm)	51.8 148 141 Direct 4	52 142, 148 135, 141	55	HG 12-speed		
O.L.DThri O.L.DQR/N P.C.D. (n Spider/gea Chainring con	u (mm) lut (mm) mm) ar arms mbination (mm)	148 141 Direct 4	142, 148 135, 141			HG 12-speed	HG 12-speed
O.L.DQR/N P.C.D. (n Spider/gea Chainring con	lut (mm) mm) ar arms mbination (mm)	141 Direct 4	135, 141		56.5	52	55
P.C.D. (n Spider/gea Chainring con	mm) ar arms mbination (mm)	Direct 4		141	157	142, 148	148 141
Spider/gea Chainring con	ar arms mbination (mm)	4		Direct	Direct	135, 141 Direct	Direct
Chainring con	mbination (mm)		4	4	4	4	4
Q-factor	`	36-26T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T, 34T	30T, 32T	30T, 32T
	160	178	172	178	181	172	178
		-	-	-	-	-	-
<u> </u>	165	✓	1	1	✓	✓	✓
<u> </u>	167.5	-	-	-	-	-	-
Crank arm length (mm)	170 172.5	√	-	-	-	√	-
······/	175	- /	-	-	-	-	-
<u> </u>	177.5	-	-	-	-	-	-
<u> </u>	180	-	-	=	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	-
yuaru \	Without chain/bash guard	✓	✓	✓	✓	✓	✓
HOLLOWT		1	1	1	1	-	-
2-PIECE CRA	ANKSET	-	-	-	-	✓	✓
HOLLOWTECH		-	-	-	-	-	-
OCTALI		-	-	-	-	-	-
HOLLOW		-	-	-	-	-	-
Compatible bottom	Outboard OCTALINK	√	-	-	-	-	-
bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT801	BB-MT801	BB-MT801	BB-MT801	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain case)	-	-	-	-	-	-
-	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA
Axle length of BB	3-UN/ES (mm)	-	-	-	-	-	-
Threaded hottom	68	✓	√	1	√	✓	✓
Threaded bottom bracket shell width (mm)	73	✓	✓	1	1	✓	✓
	83	-	-	-	-	-	-
Chain case co		- ^!	- A l	- A I	- A l	- ^ l	- A I
Crank arm	Material Finish	Aluminum Anodized	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	-	-	-	-	-	-
Spider ailli	Finish	-	-	-	-	-	-
Spider arm cover	Material	-	-	-	-	-	-
·	Finish	-	- Steel (teeth), GFRP	- Steel (teeth), GFRP	- Steel (teeth), GFRP	Steel (teeth), GFRP	- Steel (teeth), GFRP
Outer ring	Material	Aluminum	(body), Aluminum(arm)	(body), Aluminum(arm)	(body), Aluminum(arm)	(body), Aluminum(arm)	(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)
Middle ring	Material	-	-	-	-	-	-
	Finish Material	- Stool	-	-	-	-	-
Inner ring	Finish	Steel Painted	-	-	-	-	-
Outer/middle ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer/middle ring fixing bolt	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Inner ring fixing	Material	Stainless steel	-	-	-	-	-
	Finish	-	-	-	-	-	-
Stainless chain gua		-	-	-	-	-	-
Crank fixing scre Average weight (g) (17 bracke		684	√ 634 (30T) 631 (32T)	641 (30T) 638 (32T) 653 (34T)	650 (30T) 647 (32T)	-	-
			646 (34T)	653 (34T)	662 (34T)		
Note	e l						

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SLMT

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SMCD

SMCR BB

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CI-DECK

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Crankset

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model 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	-	-	-	- DidCK	-	-
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 li	ne (mm)	56.5	48.8	51.8	52	52	55
O.L.DTl	rru (mm)	157	142	148	142, 148	142, 148	148
O.L.DQR	/Nut (mm)	-	135	141	135, 141	135, 141	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	- /	-	-	-	- -	- -
	167.5	-	-	-	-		-
	170	-		-	-		-
Crank arm length (mm)	172.5	-	- -	-	-		-
` ′	175	1	√	1	1	1	1
	177.5	-	<u>-</u>	-	-		-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
' guard	Without chain/bash	1	1	1	1	1	1
11011011	guard	-	<u> </u>		-		_
HOLLOV 2-PIECE C		-	- /	-	-	-	-
HOLLOWTEC		-	<u>-</u>	-	-	-	→
OCTA		-	-	-	-		-
HOLLO		-	-	-	-		-
HOLLO	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	<u> </u>	-	-	-	-
ргаскет туре	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501
D	Threaded (E-type)	-	-	-	-	= -	-
Recommended 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		- DB-IVI 30U-FA	BB-IVI 1 30U-PA	- BB-IVI 1 300-PA	- DB-IVI 1300-PA	BB-IVIT 500-PA	DD-IVI I DUU-PA
	68	1	- -	1	1		1
Threaded bottom bracket shell width (mm)	73	1		1	1	→	1
(mm)	83	-	<u>-</u>	-	-	<u>-</u>	-
Chain case		-	-	-	_	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Painted	Painted	Painted	Painted	Painted
Cuanti!-	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	Aluminum	Aluminum	Aluminum	-	-
Spider arm	Finish	-	Painted	Painted	Painted	-	-
Spider arm cover	Material	-	-	-	-	-	-
Spider dilli covel	Finish	-	-	-	-	-	-
Outer ring	Material	Steel (teeth), GFRP (body), Aluminum(arm)	Aluminum	Aluminum	Steel (30T, 32T), Steel+GF composite (34T)	Steel	Steel
	Finish	Painted (teeth), Painted (arm)	Painted	Painted	Painted (30T, 32T), Plated (34T, teeth)	Painted	Painted
Middle ring	Material	-	-	-	-	-	-
imadic illig	Finish	-	-	-	-	-	-
Inner ring	Material	-	Steel	Steel	-	-	-
	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 Finish	-	Stainless steel Painted	Stainless steel Painted	-	-	-
Stainless chain g		-	-	-	-	-	-
Crank fixing s	crew included	1	1	1	1	✓	1
Average weight (g) (-	-	-	-	-	-
			<u> </u>			· · · · · · · · · · · · · · · · · · ·	
No	te						

Crankset

Ser	ries	XTR	XTR	DEORE XT	DEORE XT	DEORE	DEORE
Mode	el no.	FC-M9020-B1	FC-M9020-B2	FC-M8000-B1	FC-M8000-B2	FC-M5100-1	FC-M5100-2
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
Rear s	2 needs	- 11	11	11	- 11	11/10	- 11
Compati		LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	HG 11-speed, HG-X	LINKGLIDE, HG
		11-speed	11-speed	11-speed	11-speed	10-speed	11-speed
Chain liı O.L.DTl	- ' '	53.4 148	51.8 148	53.4 148	51.8 148	52 142, 148	48.8 142
O.L.DQR		141	141	141	141	135, 141	135
P.C.D.	(mm)	96	96/64	96	96/64	96	96/64
Spider/g	ear arms	4	4	4	4	4	4
Chainring c	ombination	30T, 32T	34-24T, 36-26T	30T, 32T (SM- CRM81)	34-24T, 36-26T	30T, 32T	36-26T
Q-facto		174	174	176	176	178.5	178.5
	160	-	-	-	-	-	-
	165 167.5	-	-	-	-	-	-
	170	1	1	1	1	1	1
Crank arm length (mm)	172.5	-	=	-	-	-	-
	175	✓	✓	1	✓	✓	✓
	177.5	-	-	-	- (24.24T) /	-	-
	180	-	-	- (30T), √ (32T)	- (34-24T), √ (36-26T)	-	-
Outland I I I	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard Without chain/bash	-	-	-	-	-	-
	guard	1	<i>,</i>	1	1	1	√
HOLLOV 2-PIECE C		-	√	-	√	-	-
HOLLOWTEG		-	-	-	-	-	-
OCTA		-	-	-	-	-	-
HOLLO		-	✓	-	-	-	-
Compatible bottom	Outboard OCTALINK	1	√	1	1	1	✓
Compatible bottom bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	SM-BB93	SM-BB93	BB-MT801	BB-MT801	BB-MT501	BB-MT501
Recommended	Threaded (E-type)	-	-	-	-	-	-
bottom bracket	Threaded (chain case)	-	-	-	-	-	-
	Press-Fit	SM-BB94-41A	SM-BB94-41A	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA
Axle length of	68 68	-	-	-	-	-	- 1
Threaded bottom bracket shell width (mm)	73	1	1	1	1	1	1
	83	-	-	-	-	-	-
Chain case		-	- A I I	-	- Al	-	-
Crank arm	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Painted	Aluminum Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	Aluminum	Aluminum	Aluminum	-	-
	Finish Material	-	Anodized	Painted -	Painted -	-	-
Spider arm cover	Finish	-	-	-	-	-	-
	Material	Aluminum	Ti + Aluminum	Steel +CF composite	Aluminum +CF	Steel	Steel
Outer ring	Finish			Plated (teeth),	composite Plated (teeth),		
	Finish	Anodized	-	Painted (body)	Painted (body)	Painted	Painted
Middle ring	Material Finish	-	-	-	-	-	-
	Material	-	Aluminum	-	Aluminum	-	Steel
Inner ring	Finish	-	Plated	-	Plated	-	Painted
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Aluminum	Aluminum	Stainless steel	Stainless steel
_	Finish Material	-	Anodized Aluminum	Anodized	Anodized Stainless steel	Painted -	Painted Stainless steel
Inner ring fixing screw	Finish	-	Anodized	-	-	-	-
Stainless chain g	uard fixing screw	-	=	-	-	-	-
Crank fixing s		/	(AF (24 24T)	✓	✓ ✓ ✓	1	1
Average weight (g) (175 mm, w/o bottom ket)	593 (30T) 601 (32T)	645 (34-24T) 664 (36-26T)	681 (30T) 693 (32T)	699 (34-24T) 722 (36-26T)	-	-
No	ote	- 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 man outboard special proper special propersion outboard special propersion of the special propersion outpoard special propersion output propersion output processing special propersion output propersion output propersion output processing propersion output		- 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	- 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 man outboard, - Only E type and D type front derailleur are compatible with		
		position are 3 mm outboard - Only E type and D		position are 3 mm outboard., - Only E type and D	position are 3 mm outboard., - Only E type and D		

SLMT

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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
	1	Series color	Black	Black	Series color	Series color	Black
Color	2	-	-	-	-	-	Silver
Rear s	peeds	11	11	11	10	10	10
Compatil	ole chain	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Chain lir		11-speed 51.8	11-speed 51.8	11-speed 48.8	50.4	57.9	48.8
O.L.DTh		148	148	142	142	150, 157	142
O.L.DQR		141	141	135	135	150, 157	135
P.C.D.		96/64	96/64	96/64	104	104	104/64
Spider/g		4	4	4	4	4	4
Chainring co	ombination	36-26T	34-24T, 36-26T	36-26T	34T, 36T, 38T (SM-	34T, 36T, 38T (SM-	38-24T, 38-26T,
Q-facto	ır (mm)	178.5	175	177	CR82) 178	CR82) 193	40-28T 175
Q lucto	160	-	-	-	-	-	-
	165	-	-	-	1	1	1
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	1	1	1	✓	√
(mm)	172.5	-	-	-	-	-	-
	175	✓	1	1	1	1	✓
ļ	177.5	-	-	-	-	-	-
	180 With bash guard	-	-	-	-	-	√
Optional çhain	With chain guard	-	-	-	-	-	<u>-</u>
guard	Without chain/hash	- -	-	- ·	-	-	- -
	guard						
HOLLOV		-	1	-	1	1	√
2-PIECE CI		<u>√</u>	-	-	-	-	-
OCTA		-	-	-	-	-	
HOLLOV		-	-	-	-	-	-
	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
brucket 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		-	-	-	-	-	-
Threaded bottom	68	<u>√</u>	1	1	√	-	√
Threaded bottom bracket shell width (mm)	73	✓	1	✓	✓	-	✓
	83	-	-	-	-	1	<u>-</u>
Chain case	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Anodized	Anodized	Anodized	Anodized	Anodized
Guarda d	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Spidel dilli	Finish	-	Painted	Painted	Painted	Painted	Painted
Spider arm cover	Material	-	-	-	-	-	-
	Finish	-	- Aluminum +GF	Aluminum ±GE	-	-	-
Outer ring	Material	Steel	Aluminum +GF composite	Aluminum +GF composite	-	-	Aluminum
	Finish	Painted	Plated (teeth)	Anodized	-	-	Anodized
Middle ring	Material	-	-	-	Aluminum	Aluminum	=
windare ring	Finish	-	-	-	Anodized	Anodized	-
Inner ring	Material	Steel	Aluminum	Steel	-	-	Aluminum
,	Finish	Painted Stainless steel	Plated Stainless steel	Painted Stainless staal	- Aluminum	- Aluminum	Plated
Outer/middle ring fixing bolt	Material Finish	Stainless steel Painted	Stainless steel	Stainless steel	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
	Material	Stainless steel	Stainless steel	Stainless steel	- Anodized	- Anodized	Stainless steel
Inner ring fixing screw	Finish	-	-	-	-	-	-
Stainless chain gu		-	-	-	-	-	-
Crank fixing s	crew included	1	1	1	1	1	1
Average weight (g) (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				3.7 (301)	For 83 mm bottom bracket shell width	, 2, 10 (10 201)

Crankset

Ser	ies	ZEE	ZEE	DEORE	DEORE	DEORE	DEORE
Mode	el no.	FC-M640	FC-M645	FC-M6000-2	FC-M4100-2	FC-M4100-B2	FC-M617
	1	Series color	Series color	Series black	Series color	Series color	Black
Color	2	- Series Color	- Series Color	- Jeries Diack	Series Color	Series Color	Silver
Rear s		10	10	10	10	10	10
Compatil		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 lir		50.4	57.9	48.8	48.8	51.8	48.8
O.L.DTł		142	150, 157	142	142	148	142
O.L.DQR		135	130, 137	135	135	141	135
P.C.D.		104	104	96/64	96/64	96/64	104/64
Spider/g		4	4	4	4	4	4
Spide17g	cui uiiis	34T, 36T, 38T (FC-	34T, 36T, 38T (FC-		-	-	-
Chainring co		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	✓	1	-	-	-	-
	167.5	-	-	-	-	-	-
Crank arm length	170	✓	1	✓	1	✓	1
(mm)	172.5	-	-	-	-	-	-
Ī	175	1	1	✓	1	1	1
l	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
guard	Without chain/hash	1	1	1	1	1	1
11017.01	guard					•	
HOLLOV		-	-	✓	-	-	-
2-PIECE C		1	1	-	1	1	1
HOLLOWTEC		-	-	-	-	-	-
ОСТА		-	-	-	-	-	-
HOLLO		-	-	-	-	-	-
Compatible bottom	Outboard	√	1	✓	1	✓	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) Threaded (chain case)	SM-BB52 -	SM-BB52 -	-	-	-	SM-BB52 -
	Press-Fit	SM-BB71-41A	SM-BB71-41C	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of I	BB-UN/ES (mm)	-	-	-	-	-	-
Throaded bettem	68	✓	-	✓	1	✓	1
Threaded bottom bracket shell width (mm)	73	✓	-	✓	1	1	1
(mm)	83	-	1	-	-	-	-
Chain case	compatible	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Painted	Painted	Anodized	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Culde	Material	-	-	Aluminum	-	-	Aluminum
Spider arm	Finish	-	-	Painted	-	-	Painted
Culdence	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	-	-	Aluminum +GF composite	Steel	Steel	Aluminum
	Finish	-	-	Anodized	Painted	Painted	Anodized
Middle ring	Material	Aluminum	Aluminum	-	-	-	-
wildale filly	Finish	Anodized	Anodized	-	-	-	-
Inner ring	Material	-	-	Steel	Steel	Steel	Steel
iiiici iiiig	Finish	-	-	Painted	Painted	Painted	Painted
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
fixing bolt	Finish	-	-	Painted	Painted	Painted	-
Inner ring fixing	Material	-	-	Stainless steel	Stainless steel	Stainless steel	Stainless steel
screw	Finish	-	-	-	-	-	-
Stainlace chain au			1	-	_	_	-
	uard fixing screw	-	-				
Crank fixing s		1	1	1	1	1	1
	crew included					-	-

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Crankset

Ser	ies	DEORE	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
		FC-M617-B2		-	-		
Mode			FC-MT500-2	FC-MT500-3	FC-M627-B	FC-MT210-3	FC-MT210-2
Color	1 2	Black Silver	Black -	Black -	Black -	Black -	Black -
Rear s		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.DTh		148	142	142	148	142	142
O.L.DQR/	/Nut (mm)	141	135	135	141	135	135
P.C.D.		104/64	96/64	96/64	104/64	Riveted	Riveted
Spider/g		4	4	4	4	4	4
Chainring of		36-22T	36-26T	40-30-22T	36-22T	40-30-22T, 44-32-22T	36-22T, 46-30T
Q-facto	160	176	177	177	176	176	176
1	165	-	-	-	-	-	-
ì	167.5	-	-	-	-	-	-
Crank arm length	170	1	1	1	1	1	1
(mm)	172.5	-	-	-	-	-	-
	175	✓	1	1	1	1	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional çhain	With chain guard	-	-	1	_	✓	- (36-22T), √
guard	•						(46-30T)
	Without chain/bash guard	√	✓	1	1	1	√
HOLLOV		-	-	-	-	-	-
2-PIECE C		✓	1	1	1	1	✓
HOLLOWTEC		-	-	-	-	-	-
OCTA		-	-	-	-	-	-
HOLLOV	Outboard	-	-	-	-	-	-
Compatible bottom bracket type	OCTALINK		-	-	-	V	
bracket type	Square	-	-	-		-	
	Threaded (normal)	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501	BB-MT501
	Threaded (E-type)	SM-BB52	-	SM-BB52	SM-BB52	-	-
Recommended 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 I		- BB-WIT300-FA	- BB-WIT300-FA	- BB-W1300-FA	- BB-W1300-FA	- BB-WIT300-FA	- BB-W1300-FA
	68	1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	73	· /	1	1	1	1	1
(mm)	83	-	-	-	-	-	-
Chain case	compatible	-	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clalik allii	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
Crank axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish Material	Painted -	Painted -	Painted -	Painted -		
Spider arm cover	Finish	-	-	-	-	Resin Resin	Resin Resin
			Aluminum +GF				
Outer ring	Material	Aluminum	composite	Aluminum	Aluminum	Steel	Steel
-	Finish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Middle ring	Material	-	-	Steel	-	Steel	-
	Finish	-	- Charl	Plated	- Charl	Painted	-
Inner ring	Material	Steel	Steel	Steel	Steel	Steel	Steel
-	Finish Material	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel *	Painted Stainless steel	Painted -	Painted -
Outer/middle ring fixing bolt	Finish	Janness steer	Juniess steel	Janness steer *	Janness steer	-	-
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	-	-
Inner ring fixing screw	Finish	-	-	-	-	-	
Stainless chain gu		-	-	-	-	1	-
Crank fixing s	crew included	✓	1	1	1	1	✓
Average weight (g) (-	-	-	-	-	-
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	SHIMANO logo	-

Crankset

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FC-MT210-B2	FC-MT200	FC-MT101-2	FC-MT101-B2	FC-MT101	FC-M371
Color	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
Rear s		9	9	9	9	9	9
Compatil		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
Chain lir		51.8	50	48.8	51.8	50	50
O.L.DTh		148	142	142	148	142	142
O.L.DQR		141	135	135	141	135	135
P.C.D.		Riveted 4	Riveted	Riveted	Riveted 4	Riveted 4	Riveted
Spider/g Chainring co		36-22T	4 40-30-22T	4 36-22T	36-22T		4 44-32-22T, 48-36-26T
Q-facto		176	176	179.4	179.4	179.2	180.5
Q-iacto	160	-	-	-	-	- 175.2	-
ì	165	-	-	-	-	-	-
ì	167.5	-	-	-	-	-	-
Cuanti aum lan mila	170	1	1	1	1	1	1
Crank arm length (mm)	172.5	-	_	_	-	-	-
` ′	175	1	1	1	1	1	1
ŀ	177.5	-	-	-	-	-	-
ľ	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain guard	With chain guard	-	1	-	-	1	1
guard	Without chain/bash guard	1	1	1	1	1	1
11017.00							
HOLLOV		-	-	-	-	-	-
2-PIECE C		√	-	-	-	-	-
HOLLOWTEC		-	-		-	-	-
OCTA HOLLOV		-	-	-	-	-	-
HOLLO	Outboard	-	-	-	-	-	-
Compatible bottom	OCTALINK	-	-	-	-	-	-
Compatible bottom bracket type	Square	-	-	1	1	1	1
	Threaded (normal)	BB-MT501	BB-MT501	BB-UN101	BB-UN101	BB-UN101	BB-UN300
	Threaded (E-type)	-	- DD-IVI1301	- DB-UN1U1	- DD-UNIUI	- DD-UNIUI	-
Recommended bottom bracket	Threaded (chain				-	_	
bottom bracket	case)	-	-	-	-	-	BB-UN300-K
	Press-Fit	BB-MT500-PA	BB-MT500-PA	-	-	-	-
Axle length of I		-	-	LL123	LL123	LL123	LL123
Threaded bottom	68	1	1	1	/	/	1
Threaded bottom bracket shell width (mm)	73	1	1	1	1	1	1
	83	-	-	-	-	-	-
Chain case		-	-	-	-	-	/
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized	Painted	Painted -	Painted -	Painted	Painted -
Crank axle	Material Finish	Steel Plated	Steel Plated	-	-	-	-
	Material	-	riateu	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
	Material	Resin	-	Resin	Resin	Resin	Resin
Spider arm cover	Finish	Resin	-	Resin	Resin	Resin	Resin
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer ring	Finish	Painted	Painted	Painted	Painted	Painted	Painted
National Community	Material	-	Steel	-	-	Steel	Steel
Middle ring	Finish	-	Painted	-	-	Painted	Painted
Innov!	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner ring	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Outer/middle ring	Material	-	-	-	-	-	-
Outer/middle ring fixing bolt	Finish	-	-	-	-	-	-
Inner ring fixing screw	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Stainless chain gu		-	-	-	-	-	-
Crank fixing s	crew included	✓	1	1	1	√ (Option)	1
Average weight (g) (75 mm, w/o bottom ket)	-	-	-	- CLUMANO I	-	-
No	te	Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo	SHIMANO logo Chain line 3 mm outboard	SHIMANO logo	SHIMANO logo

SL

SLMT

SMSL

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SMCD

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CI-DECK

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SMAD

- -

Crankset

Sei	ries	SHIMANO	SHIMANO	DXR
Mode	el no.	FC-M315-2	FC-M315-B2	FC-MX71
Color	1	Black	Black	Series color
Color	2	-	-	-
	peeds	8/7	8/7	1
	ble chain	HG 8/7/6-speed	HG 8/7/6-speed	Single speed
Chain li	• •	48.8	51.8	44
	hru (mm) /Nut (mm)	142 135	148 141	142 135
	(mm)	Riveted	Riveted	104/64
	ear arms	4	4	4
	ombination	36-22T	36-22T	34T, 38T, 41T, 42T, 43T, 44T, 46T
O-facto	or (mm)	179.4	179.4	173
•	160	-	-	-
	165	-	-	1
	167.5	-	-	-
Crank arm length (mm)	170	✓	1	1
(mm)	172.5	-	-	-
	175	✓	1	1
	177.5	-	-	-
	180	-	-	/
Ontional chain	With bash guard	-	-	-
Optional chain guard	With chain guard Without chain/bash			_
	guard	✓	1	1
HOLLOV		-	-	1
	RANKSET	-	-	1
	CH crank arm	-	-	✓
	ALINK WGLIDE	-	-	-
HOLLO	Outboard	-	-	-
Compatible bottom bracket type	OCTALINK	-	-	-
bracket type	Square	1	1	-
	Threaded (normal)	BB-UN101	BB-UN101	-
Dagammandad	Threaded (E-type)	-	-	-
Recommended bottom bracket	Threaded (chain	-	-	-
	case) Press-Fit	_	-	_
Axle length of	BB-UN/ES (mm)	LL123	LL123	-
	68	1	1	1
Threaded bottom bracket shell width	73	✓	1	1
(mm)	83	1	-	-
Chain case	compatible	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Anodized
Crank axle	Material Finish	-	-	Steel Plated
	Material	-	-	Aluminum
Spider arm	Finish	-	-	Anodized
	Material	Resin	Resin	-
Spider arm cover	Finish	Resin	Resin	-
Outor ring	Material	Steel	Steel	Aluminum
Outer ring	Finish	Painted	Painted	Anodized
Middle ring	Material	-	-	-
	Finish	- Charl	- Ct1	-
Inner ring	Material	Steel	Steel	-
	Finish Material	Painted -	Painted -	- Aluminum
Outer/middle ring fixing bolt	Finish	-	-	Anodized
_	Material	-	-	-
Inner ring fixing screw	Finish	-	-	-
Stainless chain g	uard fixing screw	-	-	-
Crank fixing s	crew included	✓	1	1
Average weight (g) (175 mm, w/o bottom :ket)	-	-	765 (w/o chainring)
	ote	SHIMANO logo	SHIMANO logo, Chain line 3 mm outboard	BMX racing 68 mm bottom bracket shell width

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Chain device

Series	SHIMANO	SHIMANO	SHIMANO	SAINT
Model no.	SM-CD800-D	SM-CD800-E	SM-CD800-I	SM-CD50
Color	Black	Black	Black	Series color
Spec	Single	Single	Single	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
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
Average weight (g)	28	25	33	-
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Chainring

Series Model no.		XTR	DEORE XT	SLX	DEORE XT	SLX	SHIMANO
		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	1	1	-	-	-
	11-speed	-	-	-	1	1	-
Rear speed	10-speed	-	-	-	-	-	1
	9-speed	-	-	-	-	-	-
	Single	-	-	-	-	-	-
DYNAMIC CHAIR	N ENGAGEMENT+	1	1	1	1	1	-
	46T	-	-	-	-	-	-
	44T	-	-	-	-	-	-
	43T	-	-	-	-	-	-
	42T	-	-	-	-	-	-
	41T	-	-	-	-	-	-
	40T	-	-	-	-	-	-
Chainring teeth	38T	1	-	-	-	-	1
	36T	1	1	-	-	-	1
	34T	1	1	1	✓	1	1
	32T	1	1	1	1	1	-
	30T	1	1	1	1	1	-
	28T	-	1	-	-	-	-
	Double	-	-	-	-	-	-
Chain guard type	Single	-	-	-	-	-	-
	w/o Chain guard	1	1	1	1	1	√ *
P.C.D. (mm)		-	-	-	96	96	104
Chainving	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	SHIMANO	
Mode	SM-CR80-A	
	1	Black
Color	2	-
	3	-
Gear	speed	1
	12-speed	-
	11-speed	-
Rear speed	10-speed	-
	9-speed	✓
	Single	✓
DYNAMIC CHAIN	I ENGAGEMENT+	-
	46T	1
	44T	1
	43T	1
	42T	1
	41T	1
Chalantan Acadh	40T	-
Chainring teeth	38T	1
	36T	-
	34T	1
	32T	-
	30T	-
	28T	-
	Double	-
Chain guard type	Single	-
	w/o Chain guard	1
P.C.D.	(mm)	104
Chainninn	Material	Aluminum
Chainring	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
bottom bracket	Press-Fit type	-	1	-	1	1	-
	68	✓	-	1	-	-	1
Threaded bottom bracket shell width (mm)	73	1	-	1	-	-	1
(,	83	-	-	1	-	-	-
	84.5	-	-	-	-	-	-
	89.5	-	✓	-	✓	-	-
Press-Fit bottom bracket shell width (mm)	92	-	✓	-	✓	-	-
, ,	104.5	-	-	-	-	1	-
	107	-	-	-	-	✓	-
Small bal	l bearing	1	1	-	-	-	-
Adapter	Material	Aluminum	Resin	Aluminum	Resin	Resin	Aluminum
Adapter	Finish	Anodized	-	Anodized	-	-	Anodized
Spacor	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	ote			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	-	-	✓
	68	✓	-	-	1	1	-
Threaded bottom bracket shell width (mm)	73	4	-	-	1	1	-
(,	83	-	-	-	-	-	-
	84.5	-	-	-	-	-	-
	89.5	-	1	-	-	-	1
Press-Fit bottom bracket shell width (mm)	92	-	✓	-	-	-	1
,,	104.5	-	-	1	-	-	-
	107	-	=	1	-	-	-
Small bal	l bearing	-	-	-	-	-	-
Adapter	Material	Aluminum	Resin	Resin	Aluminum	Aluminum	Resin
Auapter	Finish	Anodized	-	-	Anodized	Anodized	-
Spacer	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
	Press-Fit type 68 tom 73 83 84.5 89.5	-
	84.5	-
	89.5	-
Press-Fit bottom bracket shell width (mm)	92	-
` ´	104.5	-
	107	-
Small bal	l bearing	-
Adamtau	Material	Aluminum
Adapter	Finish	Painted
Spacer	Material	Resin
Spacer	Finish	-
Average v	veight (g)	-
No	ote	

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Cassette

Series		XTR	DEORE XT	SLX
Mod	el no.	CS-M9101-12	CS-M8100-12	CS-M7100-12
Ту	ре	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+
Rear	speeds	12	12	12
Compati	ble chain	HG 12-speed	HG 12-speed	HG 12-speed
Combination na	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	=	-	-
a yea.	5	-	-	-
	6	-	-	-
	7	-	CS-M8100-12 HYPERGLIDE+ 12 HG 12-speed 10-457, 10-51T 36-40-45T 10-12-14-16-18-21-24-28-32-36-40-45T 10-12-14-16	-
	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)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-		-
Aluminum spider	QTY (pcs)	1	•	1
arm	Finish	Anodized	Painted	Painted
Steel spider arm	QTY (pcs)	-	-	-
oteer spider dim	Finish	-	-	-
Titanium gear	QTY (pcs)	5	-	-
	Finish	Shot		-
Aluminum gear	QTY (pcs)	3	_	1
you	Finish	Painted		Anodized
Steel gear	QTY (pcs)	4	1 2	11
Finish Material		Plated		Plated
Lock ring		Aluminum		Aluminum
200 11119	Finish	Anodized		Anodized
Average	weight (g)	357 (10-45T) 367 (10-51T)	461 (10-45T) 470 (10-51T)	513 (10-45T) 534 (10-51T)
No	ote			

Ser	ries	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	11-13-15-17-19-21-24-27-31-35-40**T (bs)	11-13-15-17-19-21-24-28-32-37-42T
	2	-	11-13-15-17-19-21-24-28-32-37-42**T (bt)	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	-
	MICRO SPLINE	✓	-	-
Spline type	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	✓	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider	QTY (pcs)	1		1
arm '	Finish	Painted	Anodized	Painted
Steel spider arm	QTY (pcs)	-	-	-
steer spider arm	Finish	-	-	-
Titanium goar	QTY (pcs)	-	-	-
i italiiuiii yeal	Finish	-		-
Aluminum gear	QTY (pcs)	-	2	-
Titanium gear Aluminum gear	Finish	-		
Steel gear	QTY (pcs)	12	-	11
Steel gear	Finish	Plated		
Lock ring	Material	Steel		* * * * *
Lock IIIIg	Finish	Plated		Plated
Average v		-	434 (11-42T) 437 (11-46T)	-
No.	ote		** Aluminum gear	

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Cassette

Sei	ries	DEORE XT	DEORE	SHIMANO
Mode	el no.	CS-M771-10	CS-M4100-10	CS-HG50-10
Ty	pe	HG	HG	HG
Rears	peeds	10	10	10
	ble chain	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed
Combination nar	ne (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	-	-	-
i i i i i i i i i i i i i i i i i i i	5	-	-	-
	6	-	-	-
	7	-	CS-M771-10 CS-M4100-10 CS-HG50 HG HG HG HG 10 10 10 10 HG-X 10-speed HG-X 10-spee	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-
Spinio Spi	HG spline M (10/9/ 8-speed, MTB 11-speed)	✓	✓	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)		-	-
arm '	Finish	Anodized		-
Steel spider arm	QTY (pcs)	-	1	·
steer spider aim	Finish	-	Plated	Nickel plated
Titanium gear	QTY (pcs)	-	-	-
Titaliiuiii geai	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Aluminum gear	Finish			-
Steel gear	QTY (pcs)	-	10	1.0
Steel gear	Finish	Shot-Cr	Plated	Nickel plated
Lock ring	Material	Aluminum	Steel	Steel
Lock fing	Finish		Plated	Chrome plated
Average v	•	323 (11-34T)	-	-
lNo	ote			

Series		SHIMANO	SHIMANO	DXR
Mode	el no.	CS-HG201-9	CS-HG200-9	CS-MX66
Ту	ре	HG	HG	Single sprocket for FH-MX70
Rear s	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)	-
	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	-	-	-
J	5	-	-	-
	6	-	-	-
	7	HG 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-
Spinie type	HG spline M (10/9/ 8-speed, MTB 11-speed)	✓	1	-
	HG spline S (7-speed)	-	-	-
Carbon enidor arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider	QTY (pcs)	-	-	-
Carbon spider arm Aluminum spider arm	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
Trainain gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Adminium gear	Finish			-
Steel gear	QTY (pcs)	-	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 inig	Finish	Phosphate coated	Phosphate coated	Chrome plated
	weight (g)	-	-	-
No	ote			For BMX racing

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Front Hub (Disc Brake)

Ser	ies	XTR	XTR	XTR	SAINT	DEORE XT	DEORE XT
Mode	Model no.		НВ-М9110-В	HB-M9110-BS	HB-M820	HB-M8110	HB-M8110-B
	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	-	-	-	-	-
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
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
O.L.D.	(mm)	100	110	110	110	100	110
	28H	1	1	1	-	1	1
Spoke hole	32H	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 fixin	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
	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	-	-	-	1	-	-
Flange dist	ance (mm)	60.2	70.2	62.76	61.6	60.2	70.2
Offset		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	52.8
Se	<u> </u>	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	-	-
Internal gre		Labyillitii+Contact	-	-	-	1	1
internal gre	Stainless ball	1	1	1	1	1	1
	Cup	Grinded	Grinded	Grinded	CBN	Polish	Polish
Bearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	Cartridge	- CBN	-	- CBN	-	-	- CDIN
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	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish	Anodized	Anodized	Anodized	Anodized	-	- 147
Average v	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	Axle is supplied with front fork.		
				SHIMANO sales office for more information			

ИТВ

SL

SLMT

SMSL

SMCD

SMCR

ВВ

FΗ

WH

SC

SW

RD

FD

SMAD

CI-DECK

Front Hub (Disc Brake)

Ser	ies	DEORE XT	DEORE XT	DEORE XT	DEORE XT	SLX	SLX
Model no.		HB-M8110-BS	HB-M8000	HB-M8010	НВ-М8010-В	HB-M7110	HB-M7110-B
	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	Series color	-	-	-	-
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
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
O.L.D.	(mm)	110	100	100	110	100	110
	28H	1	-	-	-	1	1
Spoke hole	32H	-	1	1	✓	1	1
	36H	-	-	1	-	-	-
External serration disc brake rotor lock	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	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 release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	-	1	-	-	-	-
	100 x 15	-	-	1	-	1	-
Thru axle (length x inner diameter ; mm)	110 x 15	1	-	-	1	-	✓
mm)	110 x 20	-	-	-	-	-	-
Flange dist	ance (mm)	62.8	60.2	60.2	70.2	60.2	70.2
Offset	(mm)	3.7	6	5.4	5.4	5.7	5.7
P.C.D. left /	right (mm)	45/45	44/41	44/44	44/44	44/44	44/44
Flange diameter	_	51	52.8/51.4	52.8	52.8	52.8	52.8
Se		-	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre		1	√	√	√	√	√
	Stainless ball	1	-	-	-	1	√
	Cup	Polish	-	-	-	Polish	Polish
Bearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Axle	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	-	Aluminum	-	-	-	-
Quick release lever	Finish	-	Anodized	-	-	-	-
Outals and a sec	Material	-	Aluminum	-	-	-	_
Quick release housing	Finish	-	Anodized	-	-	-	-
	Material	-	Steel+Resin	-	-	-	-
Quick release nut	Finish	-	-	-	-	-	-
Disc brake reter lest	Material	-	-	Aluminum	Aluminum	-	-
Disc brake rotor lock ring	Finish	-	-	Anodized	Anodized	-	-
Average v	Average weight (g)		167	148	158	142	147
		158 For straight spoke					
Note		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	-	Axle is supplied with front fork.	-		
		office for more information					

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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	-	-	-	1	1	-
Spoke hole	32H	1	1	1	1	1	1
	36H	1	✓	1	✓	1	1
External serration disc brake rotor lock	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	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
Quick release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	-	1	-	-	1
	100 x 15	-	1	-	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	-	1	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Deswins.	Cup	-	-	-	-	-	-
Bearing	Cone	CBN	CBN	CBN	-	-	CBN
	Cartridge	-	-	-	✓	✓	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
riub sileli	Finish	Anodized	Anodized	Anodized	Painted	Painted	Anodized
Axle	Material	Steel	Aluminum	Steel	-	-	Steel
Axie	Finish	-	Anodized	-	-	-	-
Quick release lever	Material	Aluminum	-	Aluminum	-	-	Aluminum
Anick lelease level	Finish	Anodized	-	Anodized	-	-	Anodized
Quick release housing	Material	Aluminum	-	Aluminum	-	-	Aluminum
housing	Finish	Anodized	-	Anodized	-	-	Anodized
Quick release nut	Material	Steel+Resin	-	Steel+Resin	-	-	Steel+Resin
Quick release flut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	Steel	-	-	-	-
ring	Finish	-	-	-	-	-	-
Average v	veight (g)	-	-	-	-	-	-
No	te		-				-

ИТВ

Front Hub (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	l no.	HB-M475	HB-M4050	HB-M3050	HB-MT400	НВ-МТ400-В	HB-MT200
	1 Hub shell	Black	Black	Black	Black	Black	Black
l <u>.</u> .	1 Quick release	Black	Black	Black	-	-	Black
Color	2 Hub shell	Silver	Silver	-	-	-	-
	2 Quick release	Silver	Silver	-	-	-	-
Brake	type	6-bolt disc brake	CENTER LOCK disc brake				
O.L.D.	(mm)	100	100	100	100	110	100
	28H	-	-	-	-	1	1
Spoke hole	32H	1	1	1	1	1	1
	36H	1	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	-	-	-	-	-	-
Axle fixing	g method	Quick release	Quick release	Quick release	15 mm E-THRU	15 mm E-THRU	Quick release
Quick release	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	1	1	-	-	1
	100 x 15	-	-	-	1	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-	-	1	-
mm)	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	-	-	-	1	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
Беаппу	Cone	-	-	-	-	-	-
	Cartridge	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
riub sileli	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Axle	Material	Steel	Steel	Steel	Aluminum	Aluminum	Steel
Axie	Finish	-	-	-	-	-	-
Quick release lever	Material	Steel, Aluminum	Aluminum	Steel	-	-	Steel
Quick release level	Finish	Plated, Painted	Painted	Plated	-	-	Plated
Quick release housing	Material	Steel, Aluminum	Steel	Steel	-	-	Steel
housing	Finish	Painted, Anodized	Plated	Plated	-	-	Plated
Quick release nut	Material	Steel+Resin	Steel+Resin	Steel+Resin	-	-	Steel+Resin
Quick release rlut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	Steel	Steel	-
ring	Finish	-	-	-	-	-	-
Average v	veight (g)	-	-	-	-	-	-
No	te	-	-	-	-	-	-

SL

SLIVIT

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ВВ

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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	-	-	-	-	-	-
COIOI	2 Hub shell	-	-	-	-	-	-
	2 Quick release	- CENTED LOCK 4:	CENTED LOCK dies	- CENTED LOCK dies	- CENTED LOCK dies	- CENTED LOCK dies	- CENTED LOCK disa
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	11/10/9/8	11/10/9/8	12
O.L.D.		142	148	148	135	150	142
Constant to the	28H	1	1	1	-	-	1
Spoke hole	32H 36H	√	-	-	1	1	1
10 tooth cog		-	1	1	-	-	1
	With	-	-	-	1	1	-
External serration disc brake rotor lock ring	Without	✓	1	1	-	-	1
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	1	1	1	1	1	1
CENTER LOCK mo		- 12 mans F TUDU	- 12 man F TUDU	- 12 mm F TUDU	- Th	- Th	- 12 man F TUDU
Axle fixin	g method 166	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Thru -	Thru -	12 mm E-THRU
	168	-	-	-	-	-	-
	170	-	-	-	-	-	-
Quick release skewer length (mm)	172	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	-	-	-
	174 176	-	-	-	-	-	-
	178	-	-	-	-	-	-
	135 x 10	-	-	-	1	-	-
	135 x 12	-	-	-	1	-	-
Thru axle (length x inner diameter ;	142 x 12	√	-	-	-	-	1
mm)	148 x 12	-	1	1	-	-	-
	150 x 12 157 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 /		50/61	47.25/61	45/61	44/45	44/45	61/61
Flange diameter		59/70	56.25/70	51/68.4	52.8/53.8	52.8/53.8	69.8/69.8
	MICRO SPLINE	✓	/	1	-	-	1
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Calina tuna	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/				,	,	
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	1	/	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Direct engagement
Quick eng	jagement	√ (max 7.0 deg.)	√ (max 7.0 deg.)	√ (max 7.0 deg.)	✓ (more than 36	✓ (more than 36	√ (max 7.0 deg.)
	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	times/360 deg.) Labyrinth+Contact	times/360 deg.) Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre		-	-	-	1	1	-
	Stainless ball	1	1	1	-	-	-
Bearing	Cup	Grinded	Grinded	Grinded	Grinded	Grinded	Polish
	Cone	CBN -	CBN -	CBN	CBN -	CBN -	CBN+Polish
	Cartridge Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Aluminum
FREEHUB body	Finish	Anodized	Anodized	Anodized	-	-	Anodized
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Sileli	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Steel	Steel	Aluminum
	Material	Anodized -	Anodized -	Anodized -	-	-	Anodized -
Quick release lever	Finish	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
housing	Finish	-	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-	-
	Finish Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	-
Disc brake rotor lock ring	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	-
Average weight (c		237	238	241	347 (ø10)	348	305
release noi				* For straight spoke, Lacing pattern limited to 3-cross, non-offset rim For details, refer to	333 (ø12)		
				Products Technical Information			

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CI-DECK

		DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode	el no.	FH-M8110-B	FH-M8110-BS	FH-M8130-B	FH-M8000	FH-M8010	FH-M8010-B
	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
	1 Quick release	-	-	-	Series color	-	-
Color	2 Hub shell	-	-	=	-	=	-
	2 Quick release	-	-	-	-	-	-
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	11/10/9/8	11/10/9/8	11/10/9/8
O.L.D.	(mm)	148	148	157	135	142	148
	28H	✓	✓	✓	-	-	-
Spoke hole	32H	1	-	1	1	1	1
10 4	36H	/	-	-	-	-	-
10 tooth cog	With	-	-	-	-	-	-
External serration disc brake rotor lock ring	Without	1	1	-	1	-	-
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	1	1	1	1	1	1
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixing	g method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	12 mm E-THRU
	166	-	-	-	-	-	-
ļ	168	-	-	-	1	-	-
<u> </u>	170 172	-	-	-	-	-	-
Quick release skewer length (mm)	172	-	-	-	-	-	-
J/	174	-	-	-	-	-	-
ŀ	176	-	-	-	-	-	-
	178	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-
Th	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	√	-
mm)	148 x 12 150 x 12	-	√	-	-	-	√
ŀ	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	1	-	-	-
	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)	-	-	-	,	1	✓
[HG spline S (7-speed)	-	-	-	-	-	-
Engagem		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng	• •	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	√ (more than 36)	√ (more than 36)	√ (more than 36)
Quick elly			, ,,	,	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
l Internal gre		- CONTACT	Contact -		Contact ✓	Contact ✓	Contact
internal gre	Stainless ball	-	-	-	-	-	-
De!	Cup	Polish	Polish	Polish	-	-	-
Bearing	Cone	CBN+Polish	CBN+Polish	CBN+Polish	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
FREEHUB body	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
,	Finish Material	Anodized Aluminum	Anodized Aluminum	Anodized	Aluminu	- Aluminum	Aluminum
Hub shell	Material Finish	Aluminum Anodized	Aluminum	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Alluminum
Axle	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever	Material	-	-	-	Aluminum	-	-
Quick release lever	Finish	-	-	-	Anodized	-	-
Quick release housing	Material	-	-	-	Aluminum	-	-
nousing	Finish	-	-	-	Anodized	-	-
Quick release nut	Material Finish	-	-	-	Steel+Resin -	-	-
Disc brake reter le -l.	Material	-	-	-	-	-	-
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
Average weight (g		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				

Serie	es	SLX	SLX	SLX	DEORE	DEORE	DEORE
Model	l no.	FH-M7110	FH-M7110-B	FH-M7130-B	FH-M6000	FH-M6010	FH-M5100
	1 Hub shell	Series color	Series color	Series color	Series black	Series black	Series black
Color	1 Quick release	-	-	-	Series black	-	Series black
-	2 Hub shell	-	-	-	-	-	-
Post in	2 Quick release	- CENTER LOCK disc	- CENTER LOCK disc				
Brake 1		brake	brake	brake	brake	brake	brake
Rear sp		12	12	12	11/10/9/8	11/10/9/8	11/10/9/8
O.L.D. (142	148	157	135	142	135
Spoke hole	28H 32H	√	1	1	-	-	-
Spoke Hole	36H	1	1	-	1	-	1
10 tooth cog		./	1	1	-	-	-
External serration	With	-	-	-	-	-	-
disc brake rotor lock ring	Without	1	1	1	1	1	1
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	√	1	✓	1	1
CENTER LOCK mou		-	-	-	-	-	-
Axle fixing		12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	12 mm E-THRU	Quick release
	166	-	-	-	-	-	-
-	168 170	-	-	-	√	-	-
Ouick rolooco	170	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	-	1	-	1
F	174	-	-	-	-	-	-
	176	-	-	-	-	-	-
	178	-	-	-	-	-	-
Ļ	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	-	-
mm)	148 x 12 150 x 12	-	-	-	-	-	-
-	157 x 12	-	-	1	<u> </u>		-
Flange dista		55.17	62.16	72.69	57.4	57.4	55.45
Offset (6.72	6.6	6.43	6.6	6.4	7.6
P.C.D. left / r	right (mm)	61/61	60/61	58/61	45	44/45	45
Flange diameter l	eft / right (mm)	69.8/69.8	68.8/69.8	66.8/69.8	53.8	52.8/53.8	53.8
L	MICRO SPLINE	1	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)	-	-	-	1	1	1
	HG spline S (7-speed)	-	-	-	-	-	-
Engageme		Direct engagement	Direct engagement	Direct engagement	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick enga		√ (max 7.0 deg.)	√ (max 7.0 deg.)	√ (max 7.0 deg.)	-	√ (more than 36 times/360 deg.)	-
	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	Contact	Contact	Contact	Contact	Contact	Contact
Internal grea		-	-	-	1	1	1
	Stainless ball	-			-	-	-
Bearing	Cup	Polish	Polish	Polish	-	-	-
	Cone	CBN+Polish	CBN+Polish	CBN+Polish	CBN	CBN	CBN
	Cartridge Material	- Aluminum	- Aluminum	- Aluminum	- Stool	- Stool	- Stool
FREEHUB body	Material Finish	Aluminum Anodized	Anodized	Anodized	Steel -	Steel	Steel -
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
Avie	Finish	-	-	-	-	-	-
Quick release lever	Material	-	-	-	Aluminum	-	Aluminum
*	Finish	-	-	-	Painted	-	Painted
Quick release housing	Material Finish	-	-	-	Aluminum Painted	-	Aluminum Painted
	Material	-	-	-	Steel+Resin	-	Steel+Resin
	Finish	-	-	-	-	-	-
Quick release nut			-	_	-	_	-
**********	Material	-	-	_	_	_	
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
Disc brake rotor lock	Finish						

ИТВ

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SLMT

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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
6.1	1 Quick release	-	-	Black	Black	Black	Black
Color	2 Hub shell	-	-	-	-	Silver	Silver
	2 Quick release	-	-	-	-	Black	Black
Brake		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	6-bolt disc brake	6-bolt disc brake
Rear s		12	12	12	12	11/10/9/8	11/10/9/8
O.L.D.	(mm) 28H	142 √	148 ✓	135 ✓	141 ✓	135	135
Spoke hole	32H	1	1	1	1	-	-
Spoke noic	36H	7	7	7	1	1	1
10 tooth cog		1	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	Quick release	Quick release	Quick release	Quick release
	166 168	-	-	-	-	- √	1
}	170	-	-	-	-	-	-
Quick rologeo	172	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	1	-	1	1
ľ	174	-	-	-	1	-	-
	176	-	-	-	-	-	-
	178	-	-	-	1	-	-
	135 x 10	-	-	-	-	-	-
Thru avia (langth ::	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12 148 x 12	-	-	-	-	-	-
mm)	150 x 12	-	-	-	-	-	-
l	157 x 12	-	-	-	-	-	-
Flange dist		55.17	61.6	55.17	61.6	57.1	57.1
Offset	(mm)	6.72	6.6	6.72	6.6	6.8	6.8
P.C.D. left /		61/61	60/61	61/61	60/61	61/61	61/61
Flange diameter		69.8/69.8	68.8/69.8	69.8/69.8	68.8/69.8	70.6	70.6
	MICRO SPLINE	✓	√	√	√	-	-
	HG spline L2 (ROAD 12-speed dedicated) HG spline L (ROAD	-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed) HG spline M (10/9/	-	-	-	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	7	•
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	ent type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng		✓ (36 times/360 deg.)	-	-			
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	FREEHUB body	Contact -	Contact -	Contact -	Contact -	Contact	-
internar gre	Stainless ball	-	-	-	-	-	-
Pooring:	Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	CBN	-
	Cartridge	1	1	1	1		-
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	-	-	-	-	-	-
Quick release lever	Material	-	-	Aluminum	Aluminum	Aluminum	Steel, Aluminum
-	Finish	-	-	Painted	Painted	Anodized	Plated, Painted
Quick release housing	Material	-	-	Steel	Steel	Aluminum	Steel, Aluminum
nousing	Finish	-	-	Painted Stool Pagin	Painted Stool Pasin	Anodized	Painted, Anodized
Quick release nut	Material Finish	-	-	Steel+Resin -	Steel+Resin -	Steel+Resin -	Steel+Resin -
	Material	-	-	-	-	-	-
Disc brake rotor lock			-	-	-	-	-
Disc brake rotor lock ring	Finish	-	-				
Disc brake rotor lock ring Average weight (c release no		-	-	-	-	-	-

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	FH-M4050	FH-M3050	FH-MT400	FH-MT400-B	FH-MT200-B
	1 Hub shell	Black	Black	Black	Black	Black
Color	1 Quick release	Black	Black	-	-	-
	2 Hub shell	Silver	-	-	-	-
	2 Quick release	Black CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc	- CENTER LOCK disc
Brake	type	brake	brake	brake	brake	brake
Rear s	peeds	11/10/9/8	11/10/9/8	11/10/9/8	11/10/9/8	11/10/9/8
O.L.D.	(mm)	135	135	142	148	141
	28H	-	-	-	1	✓
Spoke hole	32H	1	1	1	1	1
10 tooth com	36H	-	-	-	-	-
10 tooth cog	With	-	-	-	-	-
External serration disc brake rotor lock ring	Without	1	1	1	1	1
Internal serration	With	-	-	-	-	-
Internal serration disc brake rotor lock ring	Without	1	1	1	1	1
CENTER LOCK mo		-	-	-	-	-
Axle fixin	g method	Quick release	Quick release	12 mm E-THRU	12 mm E-THRU	Quick release
	166	-	1	-	-	-
ļ	168	1	-	-	-	=
	170	-	1	-	-	-
Quick release skewer length (mm)	172	-	-	-	-	1
onewer length (mill)	173 174	1	-	-	-	-
}	174	-	-	-	-	-
ł	178	-	-	-	-	-
	135 x 10	-	-	-	-	_
l	135 x 12	-	-	-	-	-
Thru axle (length x	142 x 12	-	-	1	-	=
inner diameter ; mm)	148 x 12	-	-	-	1	-
	150 x 12	-	-	-	-	-
	157 x 12	-	-	-	-	-
Flange dist		57.4	57.4	57.4	63.4	63.4
Offset P.C.D. left /		6.6 45/45	6.6 45/45	6.65 44/45	6.65 44/45	6.65 45/45
Flange diameter		53.8	53.8	52.8/53.8	52.8/53.8	53.8
riange alameter	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD	_	_	-	-	-
	12-speed dedicated) HG spline L (RQAD					
Spline type	12/11-speed)	-	-	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	✓	1	1	1	✓
	11-speed)					
	HG spline S (7-speed)	-	-	-	-	-
Engagem	ent type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng	agement	-	-	√ (more than 36 times/360 deg.)	√ (more than 36 times/360 deg.)	-
	Hub	Labyrinth+Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Contact
Seal	FREEHUB body	Contact	-	Contact	Contact	-
Internal gre		1	-	1	1	-
	Stainless ball	-	-	-	-	-
Bearing	Cup	-	-	-	-	-
	Cone	CBN	-	CBN	CBN	-
	Cartridge Material	- Steel	- Steel	- Steel	- Steel	- Steel
FREEHUB body	Finish	steer -	steer -	-	- Steel	steer -
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Painted	Painted	Painted
Axle	Material	Steel	Steel	Steel	Steel	Steel
AVIG	Finish	-	-	-	-	-
Quick release lever	Material	Aluminum	Steel	-	-	Steel
-	Finish	Painted	Plated	-	-	Plated
Quick release housing	Material Finish	Steel Plated	Steel Plated	-	-	Steel Painted
	Material	Steel+Resin	Steel+Resin	-	-	Steel+Resin
Quick release nut	Finish	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	-	-
		_	_	_	-	-
ring	Finish	_				
		-	-	-	-	-

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	ries	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT	DEORE XT
Mode	el no.	WH-M8100-TL-	WH-M8100-TL-	WH-M8100-TL-	WH-M8100-TL-	WH-M8120-TL-	WH-M8120-TL-
		F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-B-29	F15-B-275
Model		WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8100-TL	WH-M8120-TL	WH-M8120-TL
Specifi		F15-B-29	F15-B-275	R12-B-29	R12-B-275	F15-B-29	F15-B-275
	1 Hub shell 1 Quick release	Black -	Black -	Black -	Black -	Series color	Series color
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front		Front	Front	Rear	Rear	Front	Front
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		-	-	12	12	-	-
O.L.D.		110 622 x 24C (29 inch)	110	148	148	110 622 x 30C (29 inch)	110
Whee		Tubeless	584 x 24C (27.5 inch)	622 x 24C (29 inch) Tubeless	584 x 24C (27.5 inch) Tubeless	Tubeless	584 x 30C (27.5 inch) Tubeless
Tire	Type Recommended size	29 x 2.00 - 2.35	Tubeless 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
	Height (mm)	18.8	18.8	18.8	18.8	19.8	19.8
	Internal width (mm)	23.8	23.8	23.8	23.8	30	30
	External width (mm)	27.9	27.9	27.9	27.9	34.7	34.7
Rim	Rim joint	Welded	Welded	Welded	Welded	Welded	Welded
KIIII	Brazed reinforcement		-	-	_	-	_
	OFFSET RIM	1	1	1	1	1	1
	Requires rim tape	√ (24-622)	√ (24-584)	√ (24-622)	-		
	Requires rim tape Number	√ (24-622) 28	√ (24-584) 28	√ (24-622) 28	√ (24-584) 28	√ (30-584) 28	√ (30-584) 28
	Straight pull	∠ 8	28 ✓	∠ 8	∠8 ✓	- 20	- 28
Spokes	J-bend		-	-	-	-	-
	Diameter (mm)	2-1.5	2-1.5	2-1.5	2-1.5	2.0-1.8	2.0-1.8
Axle fixin		15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU
	133	-	-	-	-	-	-
Quick release	168	-	-	-	-	-	-
Quick release skewer length (mm)	173	-	-	-	-	-	-
	178	-	-	-	-	-	-
	100 x 15	-	-	-	-	-	-
Thru axle (length x inner diameter ;	110 x 15	✓	1	-	-	1	✓
mm)	142 x 12	-	-	-	-	-	-
	148 x 12	-	-	1	1	-	-
	MICRO SPLINE	-	-	√	1	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD	-	_	_	_	_	-
Spline type	12/11-speed) HG_spline_M_(<u>10</u> /9/						
	8-speed, MTB 11-speed)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen		-	-	Direct engagement	Direct engagement	-	-
Quick eng	gagement	-	-	√ (max 7.0 deg.)	✓ (max 7.0 deg.)	-	-
			1	-	-	✓	1
	Stainless ball	✓			-		
Bearing	Cup	-	- CPN	CPN Polich	CPN L Polich	- CDN	- CPN
Bearing	Cup Cone		- CBN	CBN+Polish	CBN+Polish	CBN	- CBN
_	Cup Cone Cartridge	- CBN	CBN -	-	-	CBN -	CBN -
Bearing Seal	Cup Cone Cartridge Hub	- CBN	CBN				CBN
_	Cup Cone Cartridge Hub FREEHUB body	- CBN	CBN -	- Labyrinth+Contact	- Labyrinth+Contact	CBN -	CBN -
Seal Internal gro	Cup Cone Cartridge Hub FREEHUB body	CBN - Labyrinth+Contact	CBN - Labyrinth+Contact -	- Labyrinth+Contact	- Labyrinth+Contact	CBN - Labyrinth+Contact -	CBN - Labyrinth+Contact -
Seal	Cup Cone Cartridge Hub FREEHUB body ease sleeve	CBN - Labyrinth+Contact -	CBN - Labyrinth+Contact - ✓	- Labyrinth+Contact Contact -	- Labyrinth+Contact Contact -	CBN - Labyrinth+Contact - ✓	CBN - Labyrinth+Contact - ✓
Seal Internal gro	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material	CBN Labyrinth+Contact Aluminum Anodized Stainless steel	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel	CBN - Labyrinth+Contact - ✓ Aluminum Painted Stainless steel	CBN - Labyrinth+Contact - / Aluminum Painted Stainless steel
Seal Internal gro	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black	- Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black
Seal Internal gr Rim Spoke	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum
Seal Internal gro	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black
Seal Internal gr Rim Spoke	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish Material	CBN Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black -	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	Labyrinth+Contact Contact	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black -
Seal Internal gro Rim Spoke Nipple	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum -	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black
Seal Internal gro Rim Spoke Nipple	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum	Labyrinth+Contact Contact	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum - Aluminum Anodized Aluminum Anodized Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum - Aluminum Anodized Aluminum Anodized Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish	CBN Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal grown Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	CBN	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Labyrinth+Contact Contact	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the se	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the se	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish Color Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum	Labyrinth+Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum - Aluminum Anodized Aluminum Anodized Aluminum	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the se	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish Material Finish	CBN	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Labyrinth+Contact Contact	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the s	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish Material Finish Tinish Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	Labyrinth+Contact Contact	Labyrinth+Contact Contact	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the se	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish Material Finish Material Finish	CBN	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact	Labyrinth+Contact Contact	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the s	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish Material Finish Tinish Material Finish Material Finish Material Finish	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized Aluminum	CBN - Labyrinth+Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact Contact - Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Aluminum Anodized Aluminum	Labyrinth+Contact Contact	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized
Seal Internal growth of the seal of the s	Cup Cone Cartridge Hub FREEHUB body ease sleeve Material Finish Color Material Finish	CBN	CBN - Labyrinth+Contact Aluminum Anodized Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	Labyrinth+Contact Contact	Labyrinth+Contact Contact	CBN - Labyrinth+Contact - Aluminum Painted Stainless steel Black Aluminum Black Aluminum Anodized Aluminum Anodized	CBN Labyrinth+Contact Aluminum Painted Stainless steel Black Aluminum Black

Ser	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	l name	WH-M8120-TL	WH-M8120-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL	WH-MT620-TL
	ication	R12-B-29	R12-B-275	F15-B-29	F15-B-275	R12-B-29	R12-B-275
- 1	1 Hub shell	Series color	Series color	Black	Black	Black	Black
Color	1 Quick release	-	-	-	-	-	=
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front	:/Rear	Rear	Rear	Front	Front	Rear	Rear
Brake	type	CENTER LOCK disc brake					
Rear s	needs	12	12	Drake -	- Diake	12	12
O.L.D.		148	148	110	110	148	148
Whee		622 x 30C (29 inch)	584 x 30C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inch)	622 x 30C (29 inch)	584 x 30C (27.5 inch)
	Туре	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	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)	34.7	34.7	34.7	34.7	34.7	34.7
Rim	Rim joint	Welded	Welded	Welded	Welded	Welded	Welded
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	1	1	1	1	1	1
	Requires rim tape	√ (30-622)	√ (30-584)				
	Number	28	28	24	24	24	24
Castrar	Straight pull	-	-	-	-	-	-
Spokes	J-bend	1	1	1	1	1	1
	Diameter (mm)	2.0-1.8	2.0-1.8	-	-	-	
Axle fixin	g method	12 mm E-THRU	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU	12 mm E-THRU	12 mm E-THRU
	133	-	-	-	-	-	-
Quick release	168	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	-	-	-
	178	-	-	-	-	-	-
There and the modern	100 x 15	-	-	-	-	-	-
Thru axle (length x inner diameter;	110 x 15	-	-	1	1	-	-
mm)	142 x 12	-	-	-	-	-	-
	148 x 12	1	1	-	-	1	
	MICRO SPLINE	1	1	-	-	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)	-	-	-	-	-	-
	HG spline S (7-speed)	_	_	_	_	_	
F							Devel metalmet
Engagen		Direct engagement	Direct engagement	-	-	Pawl ratchet	Pawl ratchet
Quick eng	gagement Stainless ball	✓ (max 7.0 deg.)	✓ (max 7.0 deg.)	-	-	-	-
	Cup	-	-	-	-	-	-
Bearing	Cone	CBN+Polish	CBN+Polish	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	Contact	Contact	-	-	Contact	Contact
Internal gro	ease sleeve	-	-	-	-	-	=
Rim	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
NIIII	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Spoke	Material	Stainless steel					
P	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material	Aluminum	Aluminum	Brass	Brass	Brass	Brass
	Finish Material	Black Aluminum	Black Aluminum	Black -	Black -	Black	Black
FREEHUB body	Finish	Aiuminum -	Aiuminum -	-	-	Steel	Steel
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Axle	Finish	Anodized	Anodized	-	-	-	-
	Material	-	-	-	-	-	-
Quick release lever	Finish	-	-	-	-	-	=
	Color	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
nousing	Finish	-	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-	-
••••	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material Finish	-	-	-	-	-	-
····y	Finish	- CATEYE	CATEVE	- CATEYE	CATEYE	CATEVE	CATEVE
	JIS/CPSC	RR-550-WUW SW	CATEYE RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Doflosts.	A.C	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Reflector	AS	RR-550-WUA SW					
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW	CATEYE RR317-WUA	CATEYE RR317-WUA SW	CATEYE RR317-WUA	CATEYE RR317-WUA SW
							J
Average weight (g) (v				990	940	1255	1206
Average weight (g) (v tape, tubeless tape, v	w/o quick release, rim valve stem, lock ring) ote	1061	1016	990	940	1255	1206

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
84-1-1							
Model		WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL	WH-MT601-TL
Specifi	1 Hub shell	F15-29 Black	R12-29 Black	F15-275 Black	R12-275 Black	F15-B-29 Black	R12-B-29 Black
	1 Quick release	- Diack	- Diack	- Diack	- Diack	- Diack	- Diack
Color	2 Hub shell	-	-	-	-	_	-
	2 Quick release	-	-	-	-	_	-
Front		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	type	brake	brake	brake	brake	brake	brake
Rear s	peeds	-	12	-	12	-	12
O.L.D.	(mm)	100	142	100	142	110	148
Whee	l size	622 x 25C (29 inch)	622 x 25C (29 inch)	584 x 25C (27.5 inch)	584 x 25C (27.5 inch)	622 x 25C (29 inch)	622 x 25C (29 inch)
Tire	Туре	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	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	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	=	=	-	-	-	-
	Requires rim tape	√ (25-622)	√ (25-622)	√ (25-584)	√ (25-584)	√ (25-622)	√ (25-622)
	Number	24	24	24	24	24	24
Spokes	Straight pull	-	-	-	-	-	-
Shoves	J-bend	✓	✓	√	1	1	✓
	Diameter (mm)	2.3	2.3	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	15 mm E-THRU	12 mm E-THRU
	133	-	-	-	-	-	-
Quick release skewer length (mm)	168	-	-	-	-	-	-
skewer length (mm)	173	-	-	-	-	-	-
	178	-	-	-	-	-	-
Th	100 x 15	1	-	1	-	-	-
Thru axle (length x inner diameter ;	110 x 15	-	-	-	-	1	-
mm)	142 x 12	-	1	-	1	-	-
	148 x 12	-	-	-	-	-	✓
	MICRO SPLINE	-	1	-	1	-	1
	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) HG spline S	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen	ent type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick eng	jagement	-	√ (36 times/360 deg.)	-	✓ (36 times/360 deg.)	-	✓ (36 times/360 deg.)
	Stainless ball	-	- -	-	- ueg.,	_	- ueg./
	Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	-	-
	Cartridge	1	1	1	1	1	1
	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal gr		-	-	-	-	-	-
_	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rim	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Snoko	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
Mibbie	Finish	Plated	Plated	Plated	Plated	Plated	Plated
FREEHUB body	Material	-	Steel	-	Steel	-	Steel
	Finish	-	-	-		-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Axle	Material Finish	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel
	Finish	-	-	-	-	-	-
			-				-
Ouick release leve	Material						
Quick release lever	Material Finish	-	-	-	-	-	
•	Material Finish Color	-	-	-	-	-	-
Quick release lever Quick release housing	Material Finish Color Material	- - -	-		-	-	
Quick release housing	Material Finish Color Material Finish	-	-	-			-
Ouick release	Material Finish Color Material Finish Material	-	- - -	- - -	-	-	-
Quick release housing Quick release nut	Material Finish Color Material Finish Material Finish	- - - -	- - -	-	- - -		-
Quick release housing	Material Finish Color Material Finish Material		- - - -	- - - -		- - - -	
Quick release housing Quick release nut Disc brake rotor lock	Material Finish Color Material Finish Material Finish Material	- - - - - - - - - - - - - - - - - - -		- - - - - - - CATEYE	- - - - - - - CATEYE	- - - - - - - CATEYE	- - - - - - - CATEYE
Quick release housing Quick release nut Disc brake rotor lock	Material Finish Color Material Finish Material Finish Material Finish			- - - - - - - - CATEYE RR-550-WUW SW			
Quick release housing Quick release nut Disc brake rotor lock ring	Material Finish Color Material Finish Material Finish Material Finish JIS/CPSC AS						
Quick release housing Quick release nut Disc brake rotor lock ring Reflector	Material Finish Color Material Finish Material Finish Material Finish JIS/CPSC AS DIN	CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW	CATEYE RR-550-WUW SW CATEYE RR-550-WUA SW CATEYE RR-317-WUA SW			
Quick release housing Quick release nut Disc brake rotor lock ring	Material Finish Color Material Finish Material Finish Material Finish Material Finish DIS/CPSC AS DIN V/o quick release, rim ralve stem, lock ring)						

Ser	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
Specifi		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
	2 Hub shell 2 Quick release	-	-	-	-	-	-
Front		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	**	brake	brake	brake	brake	brake	brake
Rear s	•	-	12	12	12	-	11/10/9/8 ***
O.L.D.	• •	110	148	148	148	100	135
Whee	Type	584 x 25C (27.5 inch) Tubeless	584 x 25C (27.5 inch) Tubeless	622 x 24C (29 inch) Clincher	584 x 24C (27.5 inch) Clincher	584 x 24C (27.5 inch) Clincher	584 x 24C (27.5 inch) 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	24	24	24	24	24	24
Chaleac	Straight pull	-	-	-	-	-	-
Spokes	J-bend	1	1	1	1	1	1
	Diameter (mm)	2.3	2.3	2.3	2.3	2.3	2.3
Axle fixin		15 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	Quick release	Quick release
	133	-	-	-	-	/	-
Quick release skewer length (mm)	168	-	-	-	-	-	1
	173 178	-	-	-	-	-	<i>,</i>
	100 x 15	-	-	-	-		-
Thru axle (length x	110 x 15	1	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	-	-	-	-	-
,	148 x 12	-	1	1	1	-	-
	MICRO SPLINE	-	1	✓	1	-	-
	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)	-	-	-	-	-	1
	1'1-speed)						•
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	ent type	-	Pawl ratchet	Pawl ratchet	Pawl ratchet	-	Pawl ratchet
Quick eng	agement	-	✓ (36 times/360	-	-	-	_
• • • • • • • • • • • • • • • • • • • •	Stainless ball	-	deg.)	-	-	-	-
	Cup		-	_			
Bearing	Cone	-	-	CBN	CBN	CBN	CBN
	Cartridge	1	1	-	-	-	-
Caal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Seal	FREEHUB body	-	Contact	Contact	Contact	-	-
Internal gre		-	-	-	-	1	1
Rim	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Anodized	Anodized	Anodized	Anodized
Spoke	Material	Stainless steel Black	Stainless steel Black	Stainless steel Black	Stainless steel	Stainless steel	Stainless steel
	Finish Material	Brass	Brass	Brass	Black Brass	Black Brass	Black Brass
Nipple	Finish	Plated	Plated	Black	Black	Black	Black
EDEE: USB ! !	Material	-	Steel	Steel	Steel	-	-
FREEHUB body	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
i iun siieli	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Axle	Material	Aluminum	Steel	Steel	Steel	Steel	Steel
-	Finish	-	-	-	-	-	-
Quick release lever	Material	-	-	-	-	Aluminum Painted	Aluminum Painted
Quick release lever	Finish Color	-	-	-	-	Black	Black
Ouick rolooco	Material	-	-	-	-	Steel	Steel
Quick release housing	Finish	-	-	-	-	Painted	Painted
	Material	-	-	-	-	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
	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
		CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	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	CATEYE	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA
Avorage weight (=) (RR-317-WUA SW	RR-317-WUA SW	SW	SW	SW	SW
Average weight (g) (v tape, tubeless tape, v	valve stem, lock ring)	888	1199	1260	1208	962	1147
No						_	*** Spoke protector is available only for
, NC	, te					_	9 & 10-speed

ИТВ

SL

SLMT

SMSL

SMCD

SMCR

ВВ

FH

CI-DECK

SC

SW

RD

FD

SMAD

Sei	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
841 -1	1					NAUL BATTOO CL	NAUL BATTOO CL
	l name	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL
Specif	1 Hub shell	F15-275	R12-275 Black	F15-B-275	R12-B-275	F-29	R-29
	1 Quick release	Black -	- BIACK	Black -	Black -	Black Black	Black Black
Color	2 Hub shell	-	-	-	-	- Diack	- Diack
	2 Quick release	-	-	_	-	-	-
Front		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	e type	brake	brake	brake	brake	brake	brake
Rear s	peeds	-	11/10/9/8 ***	-	11/10/9/8 ***	-	11/10/9/8 ***
	. (mm)	100	142	110	148	100	135
Whee		584 x 24C (27.5 inch)	. ,	584 x 24C (27.5 inch)	· · · · · · · · · · · · · · · · · · ·	622 x 24C (29 inch)	622 x 24C (29 inch)
Tire	Туре	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
	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	-	-	-	-	-	-
	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	-	-	-	-	-	-
Spokes	J-bend	1	1	1	1	1	1
	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	15 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	-	-	1	-	-	-
mm)	142 x 12	-	1	-	-	-	-
	148 x 12	-	-	-	1	-	-
	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	_	-	_	_	_	-
Spline type	12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	_	1	-	1	-	✓
	11-speed)						
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen	nent type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Quick eng	gagement	-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
bearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body		Contact	-	Contact	-	
Internal gr		√	7	/	/	√	✓
Rim	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Spoke	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
*	Finish Material	Black Brass	Black Brass	Black Brass	Black Brass	Black Brass	Black Brass
Nipple	Finish	Black	Black	Black	Black	Black	Black
	Material	BIACK -	Steel	BIACK -	Steel	BIACK -	Black -
FREEHUB body	Finish	-	- Steel	-	- Steel	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Aluminum	Steel	Aluminum	Steel	Steel	Steel
Axle	Finish	Anodized	-	Anodized	-	-	-
	Material	-	-	-	-	Aluminum	Aluminum
Quick release lever	Finish	-	-	-	-	Painted	Painted
· · · · · · · · · · · ·	Color	-	-	-	-	Black	Black
Ouick release	Material	-	-	-	-	Steel	Steel
Quick release housing	Finish	-	-	-	-	Painted	Painted
Quick release nut	Material	-	-	-	-	Steel+Resin	Steel+Resin
Quick release flut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	Steel	-	Steel	-	-	-
DISC BLAKE LOTOL LOCK	Finish	Painted	-	Painted	-	-	-
ring		CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
ring	JIS/CPSC		RR-550-WUW SW	RR-550-WUW SW CATEYE	RR-550-WUW SW	RR-550-WUW SW CATEYE	RR-550-WUW SW
ring		RR-550-WUW SW	CATEVE		CATEYE	LAIFYE	CATEYE
Reflector	JIS/CPSC AS	CATEYE	CATEYE RR-550-WUA SW				
ring	AS	CATEYE RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW	RR-550-WUA SW
ring Reflector	AS DIN	CATEYE					
ring Reflector	AS DIN	CATEYE RR-550-WUA SW CATEYE RR317-WUA	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW
ring Reflector	AS	CATEYE RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW 1133	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW 1145	RR-550-WUA SW CATEYE RR317-WUA	RR-550-WUA SW CATEYE RR317-WUA
ring Reflector Average weight (g) (village, tubeless tape, village)	AS DIN	CATEYE RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW	RR-550-WUA SW CATEYE RR317-WUA SW

Series Model no. Model name Specification		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
		WH-MT500-CL- F15-29	WH-MT500-CL- R12-29	WH-MT500-CL- F15-B-29	WH-MT500-CL- R12-B-29	WH-MT15-A-F15-27
		WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT500-CL	WH-MT15-A
		F15-29	R12-29	F15-B-29	R12-B-29	F15-275
•	1 Hub shell	Black	Black	Black	Black	Black
Color	1 Quick release	-	-	-	-	Black
Color	2 Hub shell	-	-	-	-	White
	2 Quick release	-	-	-	-	Black
Front	/Rear	Front	Rear	Front	Rear	Front
Brake	type	CENTER LOCK disc brake				
Rears	peeds	-	11/10/9/8 ***	-	11/10/9/8 ***	-
O.L.D.	(mm)	100	142	110	148	100
Whee		622 x 24C (29 inch)	584 x 19C (27.5 inch			
Tire	Туре	Clincher	Clincher	Clincher	Clincher	Clincher
	Recommended size	29 x 2.00 - 2.35	27.5 x 1.90 - 2.25			
	Height (mm)	21	21	21	21	21
	Internal width (mm)	24	24	24	24	19
	External width (mm)	29.6	29.6	29.6	29.6	24.6
Rim	Rim joint	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	-	-	-	-	-
	OFFSET RIM	=	-	-	-	-
	Requires rim tape	√ (24-622)	√ (24-622)	√ (24-622)	√ (24-622)	√ (20-584)
	Number	24	24	24	24	28
Snokes	Straight pull	=	-	-	-	-
Spokes	J-bend	1	1	1	1	1
	Diameter (mm)	2.3	2.3	2.3	2.3	2.0
Axle fixin	g method	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU	12 mm E-THRU	15 mm E-THRU
<u> </u>	133	-	-	-	-	-
Quick release kewer length (mm)	168	•	-	-	-	-
kewer length (mm)	173	-	-	-	-	-
	178	-	-	-	-	-
Tḥru axle (length x	100 x 15	√	-	-	-	1
	110 x 15	•	-	1	-	-
inner diameter ; mm)	142 x 12	-	✓	-	-	-
	148 x 12	=	-	-	✓	-
	MICRO SPLINE	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-
Spline type	HG coling I (POAD					
	HG spline L (ROAD 12/11-speed)	i	-	-	-	-
Spe type	HG spline M (10/9/ 8-speed, MTB 11-speed)	_	1	_	1	_
	11-speed)		•		•	_
	HG spline S (7-speed)	-	-	-	-	-
Engagement type		-	Pawl ratchet	-	Pawl ratchet	-
Quick eng	gagement	•	-	-	•	-
	Stainless ball	-	-	-	-	-
Bearing	Cup	-	-	-	-	-
bearing	Cone	CBN	CBN	CBN	CBN	CBN
	Cartridge	-	-	-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Jeui.	FREEHUB body	-	Contact	-	Contact	-
Internal gr		✓	1	1	✓	1
Rim	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
· · · · · · · · · · · · · · · · · · ·	Finish	Anodized	Anodized	Anodized	Anodized	Anodized (black rin
Spoke	Material	Stainless steel				
	Finish	Black	Black	Black	Black	Black
Nipple	Material	Brass	Brass	Brass	Brass	Brass
	Finish	Black	Black	Black	Black	Silver
FREEHUB body	Material	-	Steel	-	Steel	-
	Finish	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
Axle	Material	Aluminum	Steel	Aluminum	Steel	Aluminum
	Finish	Anodized	-	Anodized	-	Anodized
Quick release lever	Material	-	-	-	-	-
	Finish	-	-	-	-	-
	Color	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-
nousing	Finish	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-
	Finish	- C+ool	-	- C+ool	-	- C+ool
Disc brake rotor lock ring	Material	Steel	-	Steel	-	Steel
ring Reflector	Finish	Painted	CATEVE	Painted	CATEVE	Painted
	JIS/CPSC	CATEYE RR-550-WUW SW				
		CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
	AS	RR-550-WUA SW				
	DIN	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WUA	CATEYE RR317-WU
				SW	SW	SW
		SW	SW	300	5	
verage weight (g) (v	n/o quick release, rim valve stem, lock ring)	988	1186	998	1199	995 (Black) 1000 (White)

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
Compatible shifter		SL-RS34/RS35/RS36/ RS45/RS47	SL-RS34/RS35/RS36/ RS45/RS47	-	-	-	-
Front speeds		-	-	-	-	-	-
Rear speeds		7	6	-	-	-	-
Shifter compatible rear derailleur type		Top normal	Top normal	-	-	-	-
CI-DECK cable		Stainless steel	Stainless steel	-	-	-	-
CI-DECK cable type		TX50	TX50	-	-	-	-
OPTICAL GEAR DISPLAY	Front	-	-	-	-	-	-
	Rear	7-speed	6-speed	-	-	-	-
	22.2	-	-	-	-	-	-
Clamp band diameter (mm)	25	-	-	-	-	-	-
	22.2/25.0	-	-	-	-	~	-
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-Cl300/ ID-Cl400/SC-Cl300	Cowling use with SM-CI300

SL SLMT

SLMT SMSL

BL

BL RD

FD

BR

BR

BR FC

SMCD

SMCR

ВВ

НВ

FH

м/Ц

C. D.C.

SC

SVV

RD

FD

SMAD

C

Cycle Computer (CI-DECK)

Sei	CI-DECK				
Mode	SC-CI300				
Compatib	Mechanical				
Attachme	Handlebar				
Batter	CR2032				
Charging for o	Charging for cycle computer				
Front	-				
Rear s	-				
Number of progra	1				
Wheel size	16-26				
Remote	switch	-			
Commu	nications	Wired			
Memory	-				
PC softwar	-				
Detac	Detachable				
	Size (mm ; active area)	20 x 20			
	Font type	Segment			
Display spec	Panel type	LCD			
	Back light	-			
	Touch panel	-			
	Gear indicator	-			
	Speed	✓			
	Cadence	-			
	Trip distance	-			
	Odometer	✓			
Display function	Heart rate	-			
Display function	Power	-			
	Time/Clock	√			
	Altitude/Slope	-			
	Temperature	-			
	Lap time	-			
	Auto display start	✓			
	Display customizing	-			
	Unit setting	-			
Setting function	Language choice	-			
	Beep on/off	-			
	Changing data sampling rate	-			
No	Note				

мтв

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
Switch type			Adjustable lever position	Adjustable lever position	FIREBOLT	FIREBOLT
Pos	Position			I-SPEC EV	Clamp band, Right	Clamp band, Left
Di2 connectivity wired	Di2 shifting		1	1	1	1
Di2 connectivity wireless	Di2 connectivity Di2 shifting		-	-	-	-
Button nu	Button numbers (pcs)		3	3	2	2
Maste	er unit		-	-	-	-
Firmware update	Firmware update by E-TUBE PROJECT			1	1	1
SD50 p	SD50 port (pcs)			0	1	1
SD300 p	ort (pcs)		1	1	0	0
SD50 conr	nector (pcs)		0	0	0	0
SD300 con	SD300 connector (pcs)			0	0	0
	Default function		RD outward	RD outward	RD outward	FD outward
	Multiple input	2 step	-	-	-	-
Switch1		Hold	1	1	1	-*(✔)
	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	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 BL

BL

RD

FD

DK

BR

BR

FC

SMCD

SMCR

BB

НВ

FH

WH

CI-DECK

sw

RD FD

SMAD

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Rear Derailleur

Series		XTR	DEORE XT	DEORE XT	DEORE XT	
Mod	el no.		RD-M9050-SGS	RD-M8150-12	RD-M8150-11	RD-M8050-GS
Color		1	Series color	Series color	Series color	Series color
Rear	speeds	2	11	12	11	11
Compat	ible chain SHIMANO	SHADOW	LINKGLIDE, HG 11-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO	SHADOW D SHADOW D+	√	✓	1	1
	I Double	e servo	-	-	<u> </u>	-
	Direct at (conve	tachment ntional)	✓	✓	✓	1
Mount	Direct	mount	√ *	-	-	/ *
	(ROAL Riveted	o type) adapter ack type)	-	-	-	-
Mode o	(BMX-tra onverter	ack type)	-	-	-	-
Cable a	adjuster t difference		- 18T	- 0T	- 0T	- 10T
	apacity		41T**	41T	39T	35T **
Low sprocket		ax.	40T (3x11-speed), 42T (2x11-speed), 46T (1x11-speed)	51T	50T	42T (2x11-speed), 46T (1x11-speed)
		lin. ax.	40T 11T	51T 10T	50T 11T	40T 11T
Top sprocket	M	lin.	11T	10T	11T	11T
Fluoric coated	Guide	pullev	4 Sealed Bearing	3 Sealed Bearing	3 Sealed Bearing	4 Sealed Bearing
	Tension	ring n pulley	Sealed bearing	Sealed bearing	Sealed bearing	Sealed bearing
Pulley	Te	ring ´ eth	11T	13T	13T	11T
	Screws Sunken to	material ype pulley 'ew	Stainless steel	Stainless steel	Stainless steel ✓	Stainless steel
D		ew terial	√ Aluminum	Aluminum	Aluminum	✓ Aluminum
Bracket	Fir	nish w axle	Anodized	Anodized	Anodized	Anodized
B-axle	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum
		nish w axle	Anodized ✓	Anodized ✓	Anodized ✓	Anodized ✓
B-axle 2	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Mat	nish terial	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
		nish Perial	Painted Steel	Painted Steel	Painted Steel	Painted Steel
P-axle	Material Finish		-	-	-	-
Plate body	Fir	terial nish	CFRP Painted	GFRP -	GFRP -	GFRP -
Outer link	Material Finish		Aluminum Anodized	Aluminum Painted	Aluminum Painted	Aluminum Painted
Inner link	Material		Aluminum	Aluminum	Aluminum	Steel
Outer plate	Finish Material		Anodized Carbon	Anodized Aluminum	Anodized Aluminum	Painted Aluminum
· · · · · · · · · · · · · · · · · · ·	Finish Material		Painted Aluminum	Painted Aluminum	Painted Aluminum	Painted Aluminum
Inner plate	Finish		Anodized	Painted	Painted	Anodized
Cable fixing screw	Material Finish		-	-	-	-
Stroke adjusting screw		terial nish	- -	-	-	-
Di2 connectivity wired		nifting	✓	✓	1	1
	Di2 sl	nifting L Cycling	-	-	-	-
	Bluetoot h® LE	Cycling power Bicycle	-	-	-	-
	ANT+	Bicycle power Adjust	-	-	-	-
		informat	-	-	-	-
		ion Di2				
		battery level	-	•	•	-
		Gear position SHIMAN	-	-	-	-
	Bluetoot h® LE	O E-BIKE SYSTEM S data items (*3)				
	custom (*1)	S data items	-	-	-	-
Di2 connectivity		i Compati				
wireless		ble with E-TUBE RIDE	-	-	-	-
		Compati ble with E-TUBE				
		I PROJECI	-	-	•	-
		Adjust mode				
		informat ion Di2	-	-	-	-
		Di2 battery level	-	-	-	-
	ANT private (*2)	Gear position	-	-	-	-
	(2)	SHIMAN O E-BIKE				
		SYSTEM S data	-	-	-	-
		items (*3)				
SD50 port (pcs)		1 0	0	0	1 0	
SD300 port (pcs) SD50 connector (pcs)		0	0	0	0	
	nector (pcs) stem status		0 -	0 -	0 -	0 -
Chargi	ng port		-	-	-	-
Avarage	ng cable weight (g)		295	- 375	375	319
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.	

ИТВ

Front Derailleur

500	DEORE XT				
Sei					
Mode	FD-M8070				
Color		<u>1</u> 2	Series color		
F		2	-		
	speeds		2		
Rear S	peeds		11		
Compati	ble chain		LINKGLIDE, HG 11-speed		
		WING	-		
Action		swing	/		
	SIDE S	WING	-		
		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		With bottom bracket plate	-		
	E-type	Without bottom bracket plate	w/ SM-FD905-E**		
	Direct	mount	w/ SM-FD905-D**		
		mount			
Chain li	ne (mm)		48.8 *		
Chainstay a		l	66-69		
	ar teeth		38-34T		
	apacity		10T		
Applicable top-mi	• •	erence	-		
Angled stroke					
Angled clamp					
	ıshings		7		
		erial			
Front clamp band	Fin	ish			
Rear clamp band, base bracket	Mat	erial			
base bracket	Fin	ish			
Clamp screw	Mat	erial			
ciamp seren		ish			
Bottom bracket plate		erial			
plate		ish			
Outer link		erial	Aluminum		
		ish	Painted		
Inner link		erial 	Steel		
		ish	Plated		
Chain guide		erial 	Steel		
		ish	Nickel plated		
Stroke adjusting screw		erial iish			
Maste	er unit		-		
Firmware update b	1				
SD50 pc	1				
SD300 p	0				
SD50 conn	0				
SD300 coni	0				
	Average weight (g) (band type: L size, direct type w/ screw)				
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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SMAD

SC

Mount Adapter for Front Derailleur

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	Model no.		SM-FD905-E	SM-FD905-H	SM-FD905-L
Moun	Mount type		E type mount	High clamp band	Low clamp band
Fuent dame hand	Material	-	-	Aluminum	Aluminum
Front clamp band	Finish	-	-	Painted	Painted
Base dama hand	Material	-	-	Aluminum	Aluminum
Rear clamp band	Finish	-	-	Painted	Painted
	28.6	-	-	*•	*•
Clamp band diameter (mm)	31.8	-	-	*-	*•
	34.9	-	-	✓	1
Direct mound	Material	Aluminum	Aluminum	-	-
bracket	Finish	Painted	Painted	-	-
Crankset top	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

System Information Display

Sei	SHIMANO	
Mode	SC-MT800	
Compatib	E-TUBE	
Wireless	s system	ANT private *, Bluetooth®LE
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)	•
	Suspension Mode	1
	Shifting adjust mode	1
	Battery charge level	✓
Setting function	Shifting adjust	1
	Shifting adjust indicator	✓
	System diagnosis	1
For Di2 system	Charging port for built-in battery	✓
	Compatible charger	SM-BCR2
	SYNCHRONIZED SHIFT mode change	✓
Maste	er unit	-
Firmware update b	y E-TUBE PROJECT	✓
SD50 po	ort (pcs)	3
SD300 p	ort (pcs)	0
SD50 conn	ector (pcs)	0
SD300 coni	nector (pcs)	0
Average v	30	
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	

SLMT SMSL SMCD SMCR ВВ WH CI-DECK SVV

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TREKKING

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Brake Lever	78	BL
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Crankset	83	FC
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FREEHUB (Rim/Disc Brake)	86	FH

Shifter

Series			DEORE XT	DEORE XT	DEORE	DEORE
Model 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 s	peeds		-	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	sition adju	st	-	-	-	-
Shift lever rotation a	djust (non I	-SPEC EV)	-	-	-	-
Shift lever o	able adjust	:	1	1	1	1
Front 2/3 mo	de convert	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	1
	Adjustable lever		-	-	-	-
	With		1	1	1	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-
	Without		-	-	-	-
Multi-bearing	construction	on	2	2	-	-
Chiff lavou bundles	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Finish		Painted	Painted	Painted	Painted
Clamp screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-
Main lover body	Mat	erial	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP
Main lever body	Fin	ish	Painted	Painted	-	-
Release lever body	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Release level body	Fin	ish	-	-	-	-
Base cover	Mat	erial	GFRP	GFRP	GFRP	GFRP
base cover	Fin	ish	Painted	Painted	-	-
		Polymer- coated cable	-	-	-	-
	lan	OPTISLIC K	1	1	1	✓
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-
		Stainless	1	1	1	1
		Steel	-	-	-	-
Recommended shift	lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		126	120	-	-
No	te					

TREKKING

Brake Lever (Hydraulic Disc Brake)

Se	ries	DEORE XT	DEORE XT	DEORE
Mod	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	1	Black	Black	Black
Brake hose color (kit)	2	-	-	-
J-Kit spec	(for OEM)	1	1	1
SERVO	WAVE	-	-	-
Reach adjust	Toolless	1	1	-
keach adjust	Tool	-	-	1
Free stro	ke adjust	-	-	-
	Clamp band	1	1	1
Compatible shifter mount	I-SPEC B	-	-	-
mount	I-SPEC II	1	1	1
	I-SPEC EV	-	-	-
Clamp band	Open clamp	1	1	1
Recommende	d brake caliper	BR-M8100 BR-M8120	BR-M8000	BR-M6000
C	Dil	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel l	bleeding	1	1	1
Clause assess	Material	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Finish	Painted	Painted	-
Brake lever	Material	Aluminum	Aluminum	Aluminum
DI AKE IEVER	Finish	Anodized	Anodized	Anodized
Master culinder	Material	Aluminum	Aluminum	Aluminum
Master cylinder	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	√ *	✓	√ *
	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	1	-	-
Clamp band	I-SPEC	√ **	/ **	-	-
	Diameter (mm)	22.2	22.2	22.2	22.2
Internal b	umper stop	1	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	1	1	✓	1
Cable	adjust	1	1	✓	1
Cable ad	ljust type	Two hand	Two hand	Two hand	Two hand
Duelte lever	Material	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Finish	Anodized	Anodized	Anodized	Anodized
Dualia huadist	Material	Aluminum	Aluminum	Aluminum	Aluminum
Brake bracket	Finish	Painted	Painted	Painted	Painted
Stainless c	lamp screw	1	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	
Mode	el no.	RD-T8000-SGS	RD-T6000-SGS	RD-T4000	RD-T3000	
	1	Series color	Series black	Black	Black	
Color	2	-	-	Silver	Silver	
Rear s	peeds	10	10	9	9	
Compati	ble chain	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	
	SHIMANO SHADOW	1	✓	-	-	
RD construction	SHIMANO SHADOW RD+	-	-	-	-	
	Double servo	-	-	✓	✓	
	Direct attachment (conventional)	✓	✓	✓	✓	
	Direct mount	√ *	√ *	-	-	
Mount	Riveted adapter (ROAD type)	-	-	-	-	
	Riveted adapter (BMX-track type)	-	-	-	-	
Mode co	onverter	-	-	-	-	
Cable a	djuster	-	-	1	1	
Max. front	difference	22T	22T	22T	22T	
Total c	apacity	47T	47T	45T	45T	
Low or a short	Max.	36T	36T	34T	34T	
Low sprocket	Min.	32T	32T	28T	28T	
Top sprocket	Max.	11T	11T	11T	11T	
iop sprocket	Min.	11T	11T	11T	11T	
Fluoric coated	link bushings	4	3	2	1	
	Guide pulley bearing	Sealed Bearing	-	-	-	
	Tension pulley bearing	Sealed bearing	-	-	-	
Pulley	Teeth	11T	11T	11T	11T	
	Screws material	Stainless steel	Stainless steel	Steel	Steel	
	Sunken type pulley screw	1	✓	✓	✓	
Dunalisat	Material	Aluminum	Steel	-	-	
Bracket	Finish	Painted	Painted	-	-	
	Hollow axle	1	✓	-	-	
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Finish	-	-	-	-	
	Hollow axle	1	1	-	-	
B-axle 2	Material	Stainless steel	Stainless steel	-	-	
	Finish	-	-	-	-	
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	
-	Finish	Painted	Painted	Painted	Painted	
P-axle	Material	Steel	Steel	Steel	Steel	
	Finish	- Aluminum	- CERR	Painted	Painted	
Plate body	Material Finish	Aluminum Painted	GFRP	Resin Painted	Resin Painted	
	Material	Aluminum	- Aluminum	Aluminum	Steel	
Outer link	Finish	Painted	Painted	Painted	Painted	
	Material	Aluminum	Steel	Steel	Steel	
Inner link	Finish	Painted	Painted	Painted	Painted	
_	Material	Aluminum	Steel	Steel	Steel	
Outer plate	Finish	Painted	Painted	Painted	Painted	
In	Material	Aluminum	Steel	Steel	Steel	
Inner plate	Finish	Painted	Painted	Painted	Painted	
Cable fiving care	Material	Stainless steel	Steel	Stainless steel	Stainless steel	
Cable fixing screw	Finish	Plated	Plated	-	-	
Stroke adjusting screw	Material	Steel	Steel	Stainless steel	Steel	
screw	Finish	Plated	Plated	-	Plated	
-	weight (g)	253 * Possible to attach to direct mount in	* Possible to attach to direct mount in	-	-	
No	ote	case bracket is removed.	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	Color 2		-	-	-	-	Series silver	Series silver
Front	speeds		3	3	3	3	3	3
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	✓	-	-	1	-	-
	SIDE S	WING	-	-	-	-	-	-
	Çlamp	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)
	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	1	✓	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket	-	-	-	-	-	-
	Direct	plate mount	_	_	_	-	_	_
	Direct		- -	-	1	√	-	√
	Top-pull	•	-	-	-	-	-	_
Cable route type		l exclusive			_	_	_	_
		t-pull	_	_	_	_	_	_
Chain li		· puii	50	50	50	50	50	50
Chainstay a			63-66	63-66	66-69	63-66	63-66	66-69
Top gea			48T	48T	48T	44T, 48T	44T, 48T	44T, 48T
Total ca			22T	22T	22T	22T	22T	22T
Applicable top-mi		erence	12T	12T	12T	12T	12T	12T
Multi access cal			_	-	-	-	1	1
Angled stroke	adjust scre	ew	-	-	-	-	-	-
Angled clamp			1	1	1	-	-	-
	ıshings	_	8	2	2	8	2	2
		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Front clamp band	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp hand	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp serous	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	-	-	-	-	-	-
Bottom bracket	Mat	erial	=	-	-	-	-	-
plate	Fin	ish	-	-	-	-	-	-
Outer link	Mat	erial	Aluminum	Steel	Steel	Aluminum	Steel	Steel
Outer IIIIK	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
and gaide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Plated	Plated	Plated
Cable fixing screw		erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
		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	-	-	-
direct type			* S-size adapter is available only OTC package	* S-size adapter is available only OTC package	* S-size adapter is available only OTC package			

TREKKING

Front Derailleur

Series			ACERA	ACERA	ACERA
Mode			FD-T3000-2-TS3	FD-T3000-TS3	FD-T3000-TS6
iviode		1	Series color	Series color	Series color
Color	2		Series color	Series color	Series color
F		2	-	-	-
Front speeds			9	9	9
	Rear speeds			-	_
Compati		14/11/6	HG 9-speed	HG 9-speed	HG 9-speed
		WING	1	1	1
Action		swing	-	-	-
	SIDE	SWING	-	-	-
	Clamp	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	✓	✓	✓
Mount		With bottom bracket plate	-	-	-
	E-type	Without bottom bracket plate	-	-	-
	Direct	mount	-	-	-
	Dua	l-pull	1	1	1
	Top-pull	exclusive	-	-	-
Cable route type	Down-pul	l exclusive	-	-	-
	Front-pull		-	-	-
Chain li	ne (mm)	-	48.8	50	50
Chainstay a	angle (deg.))	63-68	63-66	66-69
Top gea	ar teeth		46T	44T, 48T	44T, 48T
	apacity		16T	22T	22T
Applicable top-mi	<u> </u>	ference	-	12T	12T
Multi access cal			-	-	-
Angled stroke	adjust scr	ew	-	-	-
Angled clamp	band desi	gn	1	1	1
Link bu	ıshings		-	-	-
	Material		Steel	Steel	Steel
Front clamp band	Finish		Painted	Painted	Painted
Rear clamp band.	Material		Steel	Steel	Steel
base bracket	Finish		Painted	Painted	Painted
Cl	Mat	erial	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fir	ish	-	-	-
Bottom bracket	Mat	erial	-	-	-
plate	Fir	ish	-	-	-
Outo :: I'I-	Mat	erial	Steel	Steel	Steel
Outer link	Fir	ish	Painted	Painted	Painted
Inner link	Mat	erial	Steel	Steel	Steel
IIIIEI IIIIK	Fir	nish	Painted	Painted	Painted
Chain guide	Mat	erial	Steel	Steel	Steel
Chain guide	Fir	ish	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw	Mat	erial	Stainless steel	Stainless steel	Stainless steel
Cable liking sciew	Fir	nish	-	-	-
Stroke adjusting	Mat	erial	Stainless steel	Steel	Steel
screw	Fir	nish	-	Zinc plated	Zinc plated
Average weight (g) direct type	(band type w/screw)	e: L size,	-	-	-
No	ote		* S-size adapter is available only OTC package		

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Brake (V-BRAKE)

Sei	ries	DEORE	SHIMANO	
Mode	el no.	BR-T610 BR-T40		
	1	Black	Black	
Color	2	-	Silver	
	3	-	-	
Brake	type	V-BRAKE	V-BRAKE	
	Standard 1	\$70C	S65T	
Poster de c	Standard 2	M70CT4	-	
Brake shoe	Option 1	\$70T	M65T4	
	Option 2	-	M65T3	
Cartridge s	hoe holder	1	-	
Arch siz	ze (mm)	107	107	
C	X type	1	1	
Spacer type	Y type	1	1	
Compatible lead	pipe angle (deg.)	45/90/135	45/90/135	
Sleeve & b	ushing axle	1	1	
	Material	Aluminum	Aluminum	
V-arm/caliper	Finish	Anodized	Painted	
	Light weight link	-	-	
6	Material	Aluminum	-	
Cover	Finish	Painted	-	
Fixing screw length	16	1	1	
Fixing screw length (mm)	25	1	1	
	Material	Steel	Steel	
Fixing screw	Finish	Plated	Zinc plated	
	Chamfered screw	1	-	
POWER MO	ODULATOR	SM-PM70	SM-PM40	
Linear	spring	1	1	
Stainless cabl	e fixing screw	-	-	
Average v	weight (g)	-	-	
No	ote			

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
	1	Series color	Series black	Black	Black	Black	Black
Color	2	-	-	Silver	Silver	Silver	-
Rear s		10	10	10	10	9	9
Compati	•	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Chain lii		50	50	50	50	50	50
P.C.D.		104/64	104/64	104/64	104/64	104/64	104/64
Spider/g		4	4	4	4	4	4
Chainring c		48-36-26T	48-36-26T	44-32-24T, 48-36-26T	44-32-24T, 48-36-26T	44-32-22T, 48-36-26T	44-32-22T, 48-36-26T
Q-facto		176	181.5	181.1	185.8	181.7	187.8
,	165	-	-	-	-	1	1
	167.5	-	-	-	_	-	-
-	170	1	1	1	1	1	1
Crank arm length	172.5	-	-	-	-	-	-
(mm)	175	1	1	1	1	1	1
	177.5	-	-	-	-	-	-
	180	_	-	_	_	-	-
	With bash guard	-	-	-	-	-	-
Ontional chain	With chain guard	-	-	-	-	-	-
Optional chain guard	With chain guard Without chain/bash	•	,	-	-		-
	guard	-	-	1	1	✓	1
HOLLOV	VTECH II	✓	✓	-	-	-	-
2-PIECE C	RANKSET	-	-	1	-	✓	-
HOLLOWTEC	CH crank arm	-	-	-	1	-	-
OCTA	LINK	-	-	-	1	-	1
HOLLO	WGLIDE	-	-	-	-	-	-
	Outboard	1	1	1	-	1	-
Compatible bottom bracket type	OCTALINK	-	-	-	1	-	1
bracket type	Square	-	-	-	-	-	-
	Threaded (normal)	BB-MT801	BB-MT501	BB-MT501	BB-ES300	BB-MT501	BB-ES300
	Threaded (E-type)	-	-	-	-	-	-
Recommended bottom bracket	Threaded (chain	_	BB-MT501	BB-MT501	_	BB-MT501	_
	case)			BB WI1501			
Aula lawath af	Press-Fit	BB-MT800-PA	BB-MT500-PA	-	- 121 AK	-	126
Axle length of			-		121-AK	-	126
Threaded bottom	68	1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	73	1	1	1	1	1	1
	83	-	-	-	-	-	-
Chain case		-	<i>-</i>	/	√	√	√
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	-	Steel	-
	Finish	Plated	Plated	Plated	-	Plated	-
Spider arm	Material	Aluminum	Aluminum	-	Aluminum	-	Aluminum
-	Finish	Painted	Painted	-	Painted	-	Painted
Spider arm cover	Material	-	-	-	-	-	-
*	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
Innovi	Material	Aluminum	Steel	Steel	Steel	Steel	Steel
Inner ring	Finish	Plated	Painted	Plated	Painted	Painted	Painted
Outer/middle ring	Material	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outer/middle ring fixing bolt	Finish	Anodized	-	-	-	-	-
Inner ring fiving	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Inner ring fixing screw	Finish	-	-	-	-	-	-
Stainless chain q	uard fixing screw	-	1	1	1	1	1
Crank fixing s		1	1	1	1	1	1
Average weight (g) (868	_	_	-	-	_
		000		-		-	-
No	οτe	I	1	1	I	I	I

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Crankset

		CUIRARNO
Se	SHIMANO	
Mod	FC-T3010	
Color	1	Black
	2	Silver
	speeds	9
	ble chain	HG 9-speed
	ne (mm)	50
	(mm)	104/64
	jear arms	4
	combination	44-32-22T, 48-36-26T 187.3
Q-lacti	or (mm)	167.5
	165 167.5	-
	170	-
Crank arm length	172.5	-
(mm)	172.3	1
	177.5	V
	180	_
	With bash guard	<u>-</u>
Ontional chain	With chain guard	-
Optional chain guard	Without chain/bash	
	guard	✓
HOLLO\	NTECH II	-
2-PIECE C	RANKSET	-
	CH crank arm	-
	ALINK	-
HOLLO	WGLIDE	-
Compatible bettem	Outboard	-
Compatible bottom bracket type	OCTALINK	-
	Square	1
	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
Throadod bottom	68	✓
Threaded bottom bracket shell width (mm)	73	✓
(11111)	83	-
Chain case	compatible	✓
Crank arm	Material	Aluminum
Crank arm	Finish	Painted
Crank axle	Material	-
Clarik axie	Finish	-
Spider arm	Material	-
Spider dilli	Finish	-
Spider arm cover	Material	-
	Finish	-
Outer ring	Material	Steel
	Finish	Painted
Middle ring	Material	Steel
ļ	Finish	Painted
Inner ring	Material	Steel
	Finish	Painted
Outer/middle ring fixing bolt	Material	Stainless steel
fixing bolt	Finish	- Challada da la
		Stainless steel
	Material	Jeanness seech
Inner ring fixing screw	Finish	-
Inner ring fixing screw		- √ (44-32-22T), -
Inner ring fixing screw Stainless chain g	Finish	-
Inner ring fixing screw Stainless chain g Crank fixing s	Finish uard fixing screw crew included	- √ (44-32-22T), - (48-36-26T)
Inner ring fixing screw Stainless chain g Crank fixing s Average weight (g) (brai	Finish uard fixing screw	- √ (44-32-22T), - (48-36-26T)

TREKKING

Front Hub (Rim/Disc Brake)

Ser	ies	DEORE	SHIMANO
Mode	el no.	HB-T610	HB-T3000
	1 Hub shell	Black	Black
e de la co	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	✓
	36H	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
Quiek valaasa	129	-	-
Quick release skewer length (mm)	133	1	1
	100 x 15	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-
mm)	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	-	-
	Material	Aluminum	Steel
Quick release lever	Finish	Painted	Plated
Quick release	Material	Aluminum	Steel
housing	Finish	Painted	Plated
	Material	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-
Average v	veight (g)	-	-
No	te		

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FH

FREEHUB (Rim/Disc Brake)

_		DEODE	CINEARIO
Series		DEORE	SHIMANO
Mode		FH-T610	FH-T3000
	1 Hub shell	Black	Black
Color	1 Quick release	Black	Black
	2 Hub shell	-	Silver
	2 Quick release	-	Black
Brake	type	Rim brake	Rim brake
Rear s	peeds	11/10/9/8	11/10/9/8
O.L.D.	(mm)	135	135
	28H	-	-
Spoke hole	32H	1	1
	36H	1	1
External serration	With	-	<u> </u>
disc brake rotor lock	Without	_	-
_	With	_	
Internal serration disc brake rotor lock ring		-	-
_	Without	-	-
CENTER LOCK mo	· · · · · · · · · · · · · · · · · · ·	-	
Axle fixin	g method	Quick release	Quick release
	166	-	✓
Quick release	168	✓	-
Quick release skewer length (mm)	170	-	✓
	173	✓	-
	135 x 10	-	-
	135 x 12	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	-
mm)	148 x 12	-	
	150 x 12	-	-
Flange dist		59.2	59.2
Offset		7.8	7.5
P.C.D. left /		44/45	45/45
Flange diameter left / right (mm)		53.8	53.8
	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)	✓	✓
	HG spline S (7-speed)	-	-
Seal	Hub	Labyrinth+Contact	Contact
Jeai	FREEHUB body	Contact	-
Internal gr	ease sleeve	✓	-
	Stainless ball	-	-
Bearing	Cup	-	-
	Cone	CBN	-
	Material	Steel	Steel
FREEHUB body	Finish	-	-
	Material	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized
	Material	Steel	Steel
Axle	Finish	Jueen	Jieel
	Material	Alumia	C+c-l
Quick release lever		Aluminum	Steel
	Finish	Painted	Plated
Quick release housing	Material	Aluminum	Steel
	Finish	Painted	Plated
Quick release nut	Material	Steel+Resin	Steel+Resin
	Finish	-	-
Disc brake rotor lock	Material	-	-
ring	Finish	-	-
Average weight (c	g) (w/o axle, quick r lock ring)	-	-
No.			
	**		

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	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	99	FC
	Wheel (Disc Brake)	101	WH
<di2 spec.=""></di2>	Shift/Brake Lever (Hydraulic Disc Brake)	103	ST
	Rear Derailleur	104	RD
	Front Derailleur	105	FD

Shift/Brake Lever (Hydraulic Disc Brake)

Ser	ies		GRX	GRX	GRX	GRX	GRX	GRX
Mode	el 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		2	-	-	-	-	-	-
Busshet saver salar		1	Standard	Standard	Standard	Standard	Standard	Standard
Bracket cover color	Bracket cover color 2		-	-	-	-	-	-
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
Shift lever	Rears	peeds	12	-	-	11	11	-
	Multi-l constr	pearing ruction	-	-	-	-	-	-
	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	-	-	-	-	-	-
Brake lever	Recomi brake	mended caliper	BR-RX820	BR-RX820	BR-RX820	BR-RX810	BR-RX820-LE	BR-RX810
	C	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	1	✓	1	1	1	1
	Funnel l	bleeding	1	✓	1	1	1	1
	Free stro	ke adjust	1	1	1	1	1	1
	SERVO WAVE		1	✓	1	1	1	1
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	Material Bracket		Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
	Fin	ish	-	-	-	-	-	-
Brake lever	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Draite level	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
		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	1	-	1	1	1
Snirt lever cable	Inner	OPTISLIC K	-	-	1	-	-	-
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average v	veight (g)		289	283	263	286	286	284
No	ote							

Shift/Brake Lever (Hydraulic Disc Brake)

Sei	ries		GRX	GRX	GRX	GRX	GRX	GRX
Mode	Model no.		ST-RX810-L-LE	ST-RX810-LA	ST-RX610-R	ST-RX610-L	ST-RX600-R	ST-RX600-L
Cales		Series color	Series color	Series color	Series color	Series color	Series color	
Color	2		-	-	-	-	-	-
1		Standard	Standard	Standard	Standard	Standard	Standard	
Bracket cover color	Bracket cover color 2		-	-	-	-	-	-
Shifte	r 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
Shift lever	Rear	speeds	-	-	12	-	11	-
	Multi-l consti	pearing ruction	-	-	-	-	-	-
	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
	hose color (kit)	2	-	-	-	-	-	-
Brake lever	Recomi brake	mended caliper	BR-RX820-LE	BR-RX810	BR-RX400	BR-RX400	BR-RX810	BR-RX810
	C	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	✓	✓	✓	✓	✓	✓
	Funnel	bleeding	✓	1	✓	1	✓	1
	Free stro	ke adjust	1	1	-	-	-	-
	SERVO WAVE		✓	1	-	-	-	-
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	Mat	erial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Engineering composite
	Finish		-	-	-	-	-	-
Brake lever	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Fir	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
	Ouțer	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	1	-	-	-	-	-
Jillit lever cable	Inner	OPTISLIC K	-	1	✓	1	1	1
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average v	veight (g)		284	263	610 (/pair)	610 (/pair)	307	306
N/c	nto.							

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Shift/Brake Lever (Hydraulic Disc Brake)

Series			GRX	GRX	
Model no.			ST-RX400-R	ST-RX400-L	
Color		1	Series color	Series color	
Color	:	2	-	-	
Bus short source as low		1	Standard	Standard	
Bracket cover color		2	-	-	
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front	speeds	-	2	
Shift lever	Rear	peeds	10	-	
	Multi-l consti	pearing ruction	-	-	
	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	
	hose color (kit)	2	-	-	
Brake lever	Recommended brake caliper		BR-RX400	BR-RX400	
	Oil		SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust		1	1	
	Funnel bleeding		1	1	
	Free stroke adjust		-	-	
	SERVO WAVE		-	-	
Clamp band	Diamet	er (mm)	23.8-24.2	23.8-24.2	
Bracket	Mat	erial	Engineering composite	Engineering composite	
Diucket	Fir	nish	-	-	
	Mat	erial	Aluminum	Aluminum	
Brake lever	Fir	ish	Painted	Painted	
Clamp band	Mat	erial	Steel	Steel	
-	0.4	Lever side	OT-SP41	OT-SP41	
	Outer casing	Rear derailleu r side	OT-RS900	OT-RS900	
Shift lever cable		Polymer- coated cable	-	-	
Jilit level cable	Inner cable	OPTISLIC K	1	1	
	cable	SIL-TEC	-	-	
		Stainless	-	-	
		Steel	-	-	
Average v	weight (g)		307	306	
No	ote				

Shifter

Series			GRX
Model no.			SL-RS700-R-LE
Color		1	Black
Color	2	2	-
Shifte	r type		RAPIDFIRE PLUS
Front :	speeds		-
Rears	peeds		11
Compatible rea	r derailleur	type	ROAD 11-speed
	Clamp band		~
Mount type	I-SP	EC B	=
	I-SP	EC II	-
Shift lever po	osition adju	st	-
Shift lever	cable adjust	t	✓
Max. multiple shift	ts (main lev	er/rear)	4
	MULTI F	RELEASE	*•
Release function	INSTANT RELEASE		✓
	2-WAY RELEASE		1
	With		-
OPTICAL GEAR DISPLAY	With (removable)		-
	Without		1
Multi-bearing	constructi	on	2
Shift lever bracket	Mat	erial	Aluminum
Shift lever bracket	Fin	ish	Painted
Claren assess	Mat	erial	-
Clamp screw	Fin	ish	-
Adala Issaa baaba	Mat	erial	CFRP
Main lever body	Fin	ish	Painted
Dalasas lavas baski	Mat	erial	Steel+GFRP
Release lever body	Fin	ish	-
		Polymer- coated cable	-
Shift lover cable	Inner cable	OPTISLIC K	-
Shift lever cable	cable	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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Brake Lever (Hydraulic Disc Brake)

Ser	ries	GRX	GRX	GRX	GRX	GRX
Model 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	-	-	-	-	-
Bracket cover color	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 (kit)	1	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-
SERVO	WAVE	✓	1	1	-	-
Reach adjust	Toolless	-	-	-	-	-
neach aujust	Tool	✓	1	1	✓	1
Free stro	ke adjust	1	1	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	d brake caliper	BR-RX820	BR-RX810	BR-RX820-LE	BR-RX400	BR-RX810
0	il	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
Funnel k	oleeding	✓	1	1	1	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
Diake level	Finish	Painted	Painted	Painted	Painted	Painted
Master cylinder	Material	-	-	-	-	-
waster cylliner	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	Model no.		BL-RX812-L	
Brake	type	Hydraulic disc brake	Hydraulic disc brake	
Lever size	e (finger)	1	1	
	1	Neutral	Neutral	
Color	2	-	-	
	3	-	-	
Brake ho	ose (kit)	-	-	
Hose	joint	Straight	Straight	
Brake hose color	1	Black	Black	
Brake hose color (kit)	2	-	-	
SERVO	WAVE	-	-	
Danah adicust	Toolless	-	-	
Reach adjust	Tool	1	✓	
Free strol	ce adjust	-	-	
	New band	1	1	
Clause band	I-SPEC B	-	-	
Clamp band	I-SPEC II	-	-	
	Open clamp	-	-	
Recommended	l brake caliper	BR-RX810	BR-RX810	
0	il	SHIMANO mineral	SHIMANO mineral	
Funnel b	leeding	1	✓	
Clause and a	Material	Stainless steel	Stainless steel	
Clamp screw	Finish	-	-	
Brake lever	Material	Aluminum	Aluminum	
втаке lever	Finish	Anodized	Anodized	
Master sulinds:	Material	Aluminum	Aluminum	
Master cylinder	Finish	Painted	Painted	
Average v	veight (g)	79	79	

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Brake Lever (Hydraulic Disc Brake, Flat Handlebar type)

Ser	ies	GRX	GRX
Mode	el no.	BL-T8100-R-LE	BL-T8100-L-LE
Brake	type	Hydraulic disc brake	Hydraulic disc brake
Lever size	e (finger)	3	3
	1	Series color	Series color
Color	2	-	-
	3	-	-
Brake h	ose (kit)	SM-BH90-JK-SSR	SM-BH90-JK-SSR
Hose	joint	Straight	Straight
Brake hose color	1	Black	Black
Brake hose color (kit)	2	-	-
J-Kit spec	(for OEM)	-	-
SERVO	WAVE	-	-
Reach adjust	Toolless	1	1
Reach adjust	Tool	-	-
Free strol	ce adjust	-	-
	Clamp band	1	1
Compatible shifter mount	I-SPEC B	-	-
mount	I-SPEC II	1	1
	I-SPEC EV	-	-
Clamp band	Open clamp	1	1
Recommended	l brake caliper	BR-RX820-LE	BR-RX820-LE
0	il	SHIMANO mineral	SHIMANO mineral
Funnel b	leeding	1	1
Clamp screw	Material	Stainless steel	Stainless steel
Claimp screw	Finish	Painted	Painted
Brake lever	Material	Aluminum	Aluminum
DI and level	Finish	Anodized	Anodized
Master cylinder	Material	Aluminum	Aluminum
waster cyllinder	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
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rears	speeds	12	12	12	11	11	11
	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	1	1	1	1	1	1
	Double servo	-	-	-	-	-	-
	Direct attachment (conventional)	1	1	1	1	1	1
	Direct mount	1	-	-	1	1	1
Mount	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Cable a	adjuster	1	1	1	1	1	1
	difference	17T	-	-	17T	17T	-
Total c		42T	35T	41T	40T	40T	31T
	Max.	36T	45T	51T	34T	34T	42T
Low sprocket	Min.	34T	45T	51T	30T	30T	40T
	Max.	11T	10T	10T	11T	11T	11T
Top sprocket	Min.	11T	10T	10T	11T	11T	11T
Fluoric coated	l link bushings	4	6	6	4	4	4
Tidone coated	Guide pulley bearing	-	√	· ·	√		1
	Tension pulley	1	1	1	1	1	1
Pulley	bearing						
	Teeth	11/13T	13T	13T	13T	13T	11T
	Screws material	SUS	SUS	SUS	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw	✓	1	1	1	1	✓
Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Anodized	Anodized	Anodized
	Hollow axle	✓	✓	✓	✓	✓	✓
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Passivation	Passivation	Passivation	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	Aluminum	-	-	Aluminum	Aluminum	Aluminum
	Finish	Anodized	-	-	Anodized	Anodized	Anodized
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
bracket body	Finish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
i dale	Finish	-	-	-	-	-	-
Plate body	Material	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
riate body	Finish	-	-	-	-	-	-
Outer link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer mik	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Material	GFRP	Aluminum	Aluminum	GFRP	GFRP	Aluminum
ninei iiik	Finish	-	Painted	Painted	-	-	Painted
Outer plate	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer plate	Finish	Painted	Painted	Painted	Painted	Anodized	Painted
Inner plate	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
nner plate	Finish	Painted	Painted	Painted	Painted	Anodized	Painted
Cable fixing screw	Material	Stainless steel	Steel	Steel	Stainless steel	Stainless steel	Stainless steel
cable fixing screw	Finish	Passivation	Passivation	Passivation	Passivation	Passivation	Passivation
Stroke adjusting screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
screw	Finish	Plated	Plated	Plated	Plated	Plated	Plated
	weight (g)	270	290	288	255	255	267
No	ote				-		-

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Rear Derailleur

Sei	ries	GRX	GRX
-	Model no.		RD-RX400
	1	Series color	Series color
Color	2	-	-
Rears	peeds	11	10
Compati	ble chain	LINKGLIDE, HG 11-speed	HG-X 10-speed
-	SHIMANO SHADOW	-	
RD construction			_
KD construction	SHIMANO SHADOW RD+	1	√
	Double servo	-	-
	Direct attachment (conventional)	✓	√
Mount	Direct mount	1	✓
Wount	Riveted adapter (ROAD type)	-	-
	Riveted adapter (BMX-track type)	-	-
Cable a	djuster	1	1
Max. front	difference	-	16T
Total c	apacity	31T	41T
Low er a street	Max.	42T	36T
Low sprocket	Min.	40T	32T
Top sprocket	Max.	11T	11T
тор зргоскес	Min.	11T	11T
Fluoric coated	link bushings	4	4
	Guide pulley bearing	1	-
	Tension pulley bearing	✓	-
Pulley	Teeth	11T	11T
	Screws material	Stainless steel	Stainless steel
	Sunken type pulley screw	✓	✓
Dunalent	Material	Aluminum	Steel
Bracket	Finish	Anodized	Painted
	Hollow axle	✓	✓
B-axle	Material	Stainless steel	Stainless steel
	Finish	-	-
	Hollow axle	-	-
B-axle 2	Material	Aluminum	Stainless steel
	Finish	Anodized	-
Bracket body	Material	Aluminum	Aluminum
-	Finish	Painted	Painted
P-axle	Material Finish	Steel	Steel
		GERR	- GERD
Plate body	Material Finish	GFRP -	GFRP -
	Material	Aluminum	Aluminum
Outer link	Finish	Painted	Painted
	Material	Aluminum	GFRP
Inner link	Finish	Painted	-
	Material	Aluminum	Steel
Outer plate	Finish	Anodized	Painted
Innov-lata	Material	Aluminum	Steel
Inner plate	Finish	Anodized	Painted
Cable fixing screw	Material	Stainless steel	Steel
Cable lixing sciew	Finish	Passivation	Plated
Stroke adjusting screw	Material	Steel	Steel
screw	Finish	Plated	Plated
Average v	weight (g)	267	303
No	ote		-

Front Derailleur

Series		GRX	GRX	GRX	GRX	
Model no.		FD-RX820	FD-RX810-F	FD-RX810-F-LE	FD-RX400-F	
Color	2		Series color	Series color	Series color	Series color
Color			-	-	-	-
Front :	speeds		2	2	2	2
Rears	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	1	1	✓
		28.6	-	-	-	-
	Clamp band (mm)	31.8	-	-	-	-
Mount	,	34.9	-	-	-	-
	Braze	ed-on	1	1	1	1
Cable	adjust		1	1	1	1
Cable route type	Top-pull	exclusive	-	-	-	-
Chain li	Chain line (mm)		47	47	47	47
Chainstay a	angle (deg.)		63-66	63-66	63-66	63-66
Top gear teeth		46-48T	46-48T	46-48T	46T	
Total c	Total capacity		17T	17T	17T	16T
Applicable top-mi	d tooth diff	erence	-	-	-	-
Angled clamp	band desi	gn	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-
Link bu	ushings		7	7	7	7
	Mat	erial	-	-	-	-
Front clamp band	Fin	ish	-	-	-	-
Rear clamp hand	Mat	erial	-	-	-	-
Rear clamp band, base bracket	Fin	ish	-	-	-	-
	Mat	erial	GFRP	GFRP	GFRP	GFRP
Outer link	Fin	ish	Painted	Painted	Painted	Painted
	Mat	erial	Steel	Steel	Steel	Steel
Inner link	Fin	ish	Plated	Plated	Plated	Plated
	Mat	erial	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated
611.6	Mat	erial	Steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fin	ish	Plated	-	-	-
Stroke adjusting	Mat	erial	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fin	ish	Plated	Black	Black	Black
Average weight (g) (band type	e: L size,	96	96	96	96
	ote					

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Brake (Hydraulic Disc Brake)

Sei	ries	GRX	GRX	GRX	GRX	GRX	GRX
Mode	el no.	BR-RX820	BR-RX820-LE	BR-RX810-F	BR-RX810-R	BR-RX400-F	BR-RX400-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-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 color	1	Black	Black	Black	Black	Black	Black
Brake hose color (kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	1	-	1	1	1	1
ICE TECHNOLOGIES p	ad compatible caliper	1	✓	1	1	1	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)	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)
	10 mm mount	✓	-	-	1	-	✓
	15 mm mount	✓	-	-	1	-	✓
Fixing screw spec	20 mm mount	1	-	-	1	-	✓
Fixing screw spec for rear mount	25 mm mount	1	1	-	1	-	1
	30 mm mount	1	-	-	1	-	1
	35 mm mount	1	-	-	1	-	1
Recommende	ed 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-RX400 ST-RX600 BL-RX600	ST-RX400 ST-RX600 BL-RX600
Recommended	disc brake rotor	RT-CL800	SM-RT800, RT- MT800	SM-RT800, RT- MT800	SM-RT800, RT- MT800	SM-RT64	SM-RT64
C	il	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY	BLEEDING	1	1	1	1	1	1
Moun	t type	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount	Flat mount
Pis	ton	2	2	2	2	2	2
Piston r	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	4 mm	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring
Pad n	nount	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle	Pad axle
Average v	weight (g)	139 (Front) 122 (Rear)	139 (Front) 122 (Rear)	141	124	-	-
No	ote		Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor	Front spec with adaptor

Crankset

Ser	ies	GRX	GRX	GRX	GRX	GRX	GRX
Mode	el no.	FC-RX820-2	FC-RX820-1	FC-RX810-2	FC-RX810-1	FC-RX810-11-2-LE	FC-RX810-11-1-LE
Calar	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	12	12	11	11	11	11
Compatil	ole chain	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain li	ne (mm)	47	49.7	47	49.7	47	49.7
P.C.D.	(mm)	110/80	110	110/80	110	110/80	110
Spider/g	ear arms	4	4	4	4	4	4
Chainring c	ombination	48-31T	40T, 42T	48-31T	40T, 42T	48-31T	40T
Q-facto	r (mm)	151	151	151	151	151	151
	165	-	-	-	-	-	-
	167.5	-	-	-	-	-	-
	170	✓	1	1	✓	1	1
Crank arm length (mm)	172.5	✓	1	1	✓	1	1
	175	✓	1	1	✓	1	✓
	177.5	-	-	-	-	-	-
	180	1	-	-	-	-	-
Optional çhain	With chain guard	-	-	-	-	-	-
guard	Without chain/bash guard	✓	✓	1	✓	•	•
HOLLOV	VTECH II	✓	1	1	1	1	✓
2-PIECE C	RANKSET	-	-	-	-	-	-
HOLLOWTEC	H crank arm	1	1	1	1	1	1
ОСТА	LINK	-	-	-	-	-	-
HOLLO\	WGLIDE	-	-	-	-	-	-
	Outboard	1	1	1	1	1	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-	-
blacket type	Square	-	-	-	-	-	-
De semmen de d	Threaded (normal)	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60	SM-BBR60
Recommended bottom bracket	Press-Fit	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72	SM-BB72
Axle length of	BB-UN/ES (mm)	-	-	-	-	-	-
Threaded bottom	68	1	1	1	1	1	1
Threaded bottom bracket shell width (mm)	70	√	1	1	1	1	1
	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	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer ring	Finish	Anodized	Anodized (teeth)/Painted	Anodized	Anodized (teeth)/Painted (body)	Anodized	Anodized (teeth)
	Material	-	(body)	-	-	-	-
Middle ring	Finish	-	-	-	-	-	-
	Material	Aluminum	-	Aluminum	-	Aluminum	-
Inner ring	Finish	Anodized	-	Anodized	-	Anodized	-
Outer/middle ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer/middle ring fixing bolt	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Inner ring fiving	Material	-	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	-	-
Crank fixing s		1	1	1	1	1	1
Average weight (g) (710	644 (40T) 656 (42T)	710	644 (40T) 656 (42T)	710	644
No	rte						

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Crankset

Ser	ies	GRX	GRX	GRX	GRX	GRX
Mode	el no.	FC-RX610-2	FC-RX610-1	FC-RX600-11	FC-RX600-10	FC-RX600-1
	1	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-
Rear s	peeds	12	12	11	10	11
Compatil	ble chain	HG 12-speed	HG 12-speed	LINKGLIDE, HG 11-speed	HG 10-speed	LINKGLIDE, HG 11-speed
Chain lin	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	1
(,	175	1	1	1	1	1
	177.5	-	-	-	-	-
	180	-	-	-	-	-
Outlevel I I	With chain guard	-	-	-	-	-
Optional chain guard	Without chain/bash guard	1	1	1	1	1
HOUSE		•	•	•	•	_
HOLLOV		-	-	-	-	
2-PIECE C		· ·	1	1	1	1
HOLLOWTEC		√	1	-	-	-
OCTA		-	-	-	-	-
HOLLO		-	-	-	-	-
Camanatible bettem	Outboard	√	1	1	✓	1
Compatible bottom bracket type	OCTALINK	-	-	-	-	-
	Square	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-RS501
bottom bracket	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	✓	/
(mm)	70	✓	1	1	1	1
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Crank axle	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	-	-	-	-
	Finish	-	-	-	-	-
Spider arm cover	Material	-	-	-	-	-
	Finish	-	-	-	-	-
	Material	Aluminum	Steel	Aluminum	Aluminum	Aluminum
Outer ring	Finish	Anodized	Painted	Anodized	Anodized	Anodized (teeth)/Painted (body)
	Material	-	-	-	-	-
Middle ring	Finish	-	-	-	-	-
	Material	Aluminum	-	Aluminum	Aluminum	-
Inner ring	Finish	Anodized	-	Anodized	Anodized	-
Outer/middle rine	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Outer/middle ring fixing bolt	Finish	-	-	-	-	-
Innovaine finine	Material	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	-
Crank fixing s		1	1	1	1	1
Crank fixing screw included Average weight (g) (170 mm, w/o bottom bracket)			791 (38T) 812 (40T)	817	821	754
Average weight (g) (kot)	811	013 (40T)	017	021	

Wheel (Disc Brake)

Series Model no.		GRX	GRX	SHIMANO	SHIMANO	GRX	GRX
		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
Model		WH-RX870-TL	WH-RX870-TL	WH-RX880-TL	WH-RX880-TL	WH-RX570-TL	WH-RX570-TL
Specifi		F12-700C	R12-700C	F12-700C	R12-700C	F12-700C	F12-650B
	1 Hub shell 1 Ouick release	Black -	Black -	Black -	Black -	Black -	Black -
Color	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
Rear s	peeds	-	12/11	-	12	-	-
O.L.D.	(mm)	100	142	100	142	100	100
Whee		622 x 25C (700C)	622 x 25C (700C)	622 x 25C (700C)	622 x 25C (700C)	622 x 21C (700C)	584 x 21C (650B)
Tire	Type	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless	Tubeless
	Recommended size Height (mm)	32-622 - 50-622 32	32-622 - 50-622 32	32-622 - 50-622 32	32-622 - 50-622 32	32-622 - 42-622 22	38-584 - 53-584 22
	Internal width (mm)	25	25	25	25	21.6	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	1	1	1	1	1	1
	Number	24	24	24	24	24	24
[Straight pull	1	1	-	-	1	1
Spokes	Bladed	1	1	1	1	1	1
	Butted Diameter (mm)	√ 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
Axle fixin		E-THRU	2.0-1.6-2.0 E-THRU	E-THRU	E-THRU	E-THRU	E-THRU
	133	-	-	-	-	-	-
Quick release skewer length (mm)	163	-	-	-	-	-	-
	168	-	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 12	√	-	1	-	√	√
mm)	142 x 12	-	-	-	1	-	-
	MICRO SPLINE	-			-		
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	1	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	✓	-	-	-	-
Spinic type	HG spline M (10/9/ 8-speed, MTB 11-speed)						
		-	-	-			-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem		-	Pawl ratchet	-	Direct engagement	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	Polish	Polish	Polish	Polish	Polish	Polish
	CONTERLOCK	CBN+Polish ✓	CBN+Polish ✓	CBN+Polish	CBN+Polish ✓	CBN	CBN ✓
	CENTER LOCK CENTER LOCK	-	-	-	-		_
Disc mount	mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	✓	1	✓	1	✓	✓
ОРТВА		-	-	-	-	-	-
D2		-	-	-	-	-	-
Digital adjust	ment system Hub	- Contact	- Contact	- Contact	- Contact	- Contact	- Contact
Seal	FREEHUB body	-	Contact	Contact -	Contact	- Contact	Contact -
Internal gre		-	-	-	-	1	1
Rim	Material	Carbon	Carbon	Carbon	Carbon	Aluminum	Aluminum
Nilli	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
Spoke	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish Material	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum	Black Aluminum
Nipple	Finish	Black	Black	Black	Black	Black	Black
EDECLUS L. A.	Material	-	Steel	-	Aluminum	-	-
FREEHUB body	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum -	Aluminum -
	Material	-	-	-	-	-	-
Quick release lever	Finish	-	-	-	-	-	-
Quick release housing	Material	-	-	-	-	-	-
housing	Finish	-	-	-	-	-	-
Quick release nut	Material Finish	-	-	-	-	-	-
	Finish	-	- CP-WH30(11-34T)	-	-	-	-
Compatible sp	ooke protector	-	CP-WH26(11-40T/ 42T)	-	CP-WRX8A(34T/36T) CP-WRX8B(45T/51T)	-	-
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW CATEYE	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW CATEYE	CATEYE RR-550-WUW SW CATEYE	CATEYE RR-550-WUW SW
			LAIFTE	CATEYE			CATEYE RR-550-WUA SW
Reflector	AS	CATEYE RR-550-WUA SW CATEYE	RR-550-WUA SW	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE	
	AS DIN N/o quick release, rim valve stem, lock ring)			RR-550-WUA SW CATEYE RR-317-WUA SW 635	RR-550-WUA SW CATEYE RR-317-WUA SW 762 (HG-spline L2) 759 (MICRO SPLINE)	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW

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Wheel (Disc Brake)

Sei	ries	GRX	GRX
	el no.	WH-RX570-TL- R12-700C	WH-RX570-TL- R12-650B
Mode	l name	WH-RX570-TL	WH-RX570-TL
Specif	ication	R12-700C	R12-650B
	1 Hub shell 1 Quick release	Black -	Black -
Color	2 Hub shell	-	-
	2 Quick release	-	-
Front	:/Rear	Rear	Rear
Brake	type	CENTER LOCK disc brake	CENTER LOCK disc brake
	peeds	11/10	11/10
	. (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)	22	22
	Internal width (mm) External width (mm)	21.6 26	21.6 26
Di	Rim joint	Welded	Welded
Rim	Brazed reinforcement	-	-
	OFFSET RIM	1	1
	Requires rim tape	1	✓
	Number	24	24
C I	Straight pull	1	1
Spokes	Bladed Butted	√	-
	Diameter (mm)	2	2
Axle fixin	g method	E-THRU	E-THRU
Quick release	133	-	-
Quick release skewer length (mm)	163 168	-	-
Thru axle (length x	100 x 12	-	-
inner diameter ; mm)	142 x 12	1	✓
	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
Culling to ma	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)	-	-
	HG spline S (7-speed)	-	-
Engagen	nent type	Pawl ratchet	Pawl ratchet
	Stainless ball	-	-
Bearing	Cup Cone	Polish CBN	Polish CBN
	CENTER LOCK	✓	√
Disc mount	CENTER LOCK mount cover option	-	-
	140 mm disc brake	1	1
OPTB/	rotor compatible AL (2:1)	-	-
	rim	=	-
Digital adjus	tment system	-	-
Seal	Hub FREEHUB body	Contact Contact	Contact Contact
Internal or	ease sleeve	Contact	Contact ✓
	Material	Aluminum	Aluminum
Rim	Finish	Anodized	Anodized
Spoke	Material Finish	Stainless steel Black	Stainless steel Black
	Material	Aluminum	Aluminum
Nipple	Finish	Black	Black
FREEHUB body	Material	Steel	Steel
,	Finish Material	- Aluminum	- Aluminum
Hub shell	Material Finish	Aluminum Anodized	Aluminum Anodized
Avla	Material	Aluminum	Aluminum
Axle	Finish	-	-
Quick release lever	Material Finish	-	-
Ouick rolesse	Finish Material	-	-
Quick release housing	Finish	-	-
Quick release nut	Material	-	-
4	Finish	- CD EU00 (22 20T	- CD EH00 (22 20T
		CP-FH08 (23-28T 11-speed)	CP-FH08 (23-28T 11-speed)
Compatible sp	ooke protector	CP-WH41 (23-30T 10-speed)	CP-WH41 (23-30T 10-speed)
		CP-WH12 (32T 10/	CP-WH12 (32T 10/
		11-speed) CATEYE	11-speed) CATEYE
	l JIS/CPSC l	RR-550-WUW SW	RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
Reflector		RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE
	DIN	RR-550-WUA SW CATEYE RR-317-WUA SW	RR-550-WUA SW CATEYE RR-317-WUA SW
Average weight (g) (v		RR-550-WUA SW CATEYE	RR-550-WUA SW CATEYE

Shift/Brake Lever (Hydraulic Disc Brake)

Se	ries	GRX	GRX	GRX	GRX
Mod	el no.	ST-RX825-R	ST-RX825-L	ST-RX815-R	ST-RX815-L
Color	1	Series color	Series color	Series color	Series color
Color	2	-	-	-	-
Shifte	er type	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Remote	e switch	1	1	1	1
	Brake hose (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 hose color (kit) 2	Black	Black	Black	Black
	color (kit) 2	-	-	-	-
	Recommended brake caliper	BR-RX820	BR-RX820	BR-RX810	BR-RX810
Brake lever	Oil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Minera
	Reach adjust	✓	✓	1	✓
	Clamp band (mm)	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
	Funnel bleeding	✓	✓	✓	✓
	Free stroke adjust	✓	✓	✓	✓
	SERVO WAVE	✓	✓	1	1
Bracket	Material	CFRP	CFRP	CFRP	CFRP
ыаскес	Finish	-	-	-	-
Electric button	Material	GFRP	GFRP	-	-
Electric Button	Finish	-	-	-	-
Brake lever	Material	Aluminum	Aluminum	Aluminum	Aluminum
brake lever	Finish	Painted	Painted	Painted	Painted
Di2 connectivity wired	Di2 shifting	-	-	1	✓
Di2 connectivity wireless	Di2 shifting	✓	1	-	-
Maste	er unit	-	-	-	-
Firmware update l	by E-TUBE PROJECT	✓	✓	✓	✓
SD50 p	ort (pcs)	0	0	2	2
SD300 p	oort (pcs)	1	1	0	0
SD50 conr	nector (pcs)	0	0	0	0
SD300 con	nector (pcs)	0	0	0	0
Port for SD50 remote	e sprinter shifter (pcs)	0	0	0	0
Port for SD300 sa	tellite shifter (pcs)	1	1	0	0
Bat	tery	CR1632 x 2	CR1632 x 2	-	-
Average	weight (g)	415 (/pair)	415 (/pair)	373 (/pair)	373 (/pair)
Ne	ote				

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Rear Derailleur

Se	ries		GRX	GRX	GRX			
Mod	Model no.		RD-RX825	RD-RX815	RD-RX817			
Color		1	Series color	Series color	Series color			
	speeds	2	12	- 11	- 11			
near	SHIMANO	SHADOW	-	-	-			
RD construction	SHIMANO	SHADOW	1	1	1			
	Double	D+ e servo	-	-	-			
	Direct at	tachment ntional)	✓	1	1			
Na	Direct	mount	✓	1	1			
Mount	Riveted (ROAL	adapter) type)	-	-	-			
	Riveted (BMX-tra	type) adapter ack type)	-	-	-			
Max. from	t difference apacity		17T 40T	17T 38T	- 31T			
		ax.	36T	34T	42T			
Low sprocket		in. ax.	34T	30T	40T 11T			
Top sprocket	М	in.	11T 11T	11T 11T	11T			
Fluoric coated	l link bushir	ngs	4	4	4			
	bea	pulley ring	Sealed bearing	Sealed bearing	Sealed bearing			
Pulley		n pulley ring	Sealed bearing	Sealed bearing	Sealed bearing			
i uney		eth material	11/13T Stainless steel	13T Stainless steel	11T Stainless steel			
	Sunken ty	pe pulley	✓					
Bracket		erial	Aluminum	Aluminum	Aluminum			
Diacket		ish w axle	Painted ✓	Anodized ✓	Anodized ✓			
B-axle	Mat	erial	Stainless steel	Stainless steel	Stainless steel			
		ish w axle	-	-	-			
B-axle 2		w axie erial	Aluminum	Aluminum	- Aluminum			
	Fin	ish	Anodized	Anodized	Anodized			
Bracket body		erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted			
P-axle	Mat	erial	Steel	Steel	Steel			
		ish erial	- GFRP	Plated GFRP	Plated Aluminum			
Plate body	Fin	ish	i	Painted	Painted			
Outer link		erial ish	Aluminum Painted	Aluminum Anodized	Aluminum Painted			
Inner link	Mat	erial	GFRP	GFRP	Steel			
		ish erial	- Aluminum	- Aluminum	GFRP -			
Outer plate	Fin	ish	Painted	Painted	Painted			
Inner plate		erial ish	Aluminum Painted	Aluminum Painted	Aluminum Painted			
Stroke adjusting screw	Mat	erial	Steel	Steel	Steel			
Di2 connectivity		ish	Plated	Plated	Plated			
wired		nifting nifting	1	-	-			
	Bluetoot h® LE	Cycling power	-	_	-			
	ANT+	Bicycle power	-	-	-			
		7	7.1111	ANT	Adjust			
		móde informat	✓	-	-			
		Di2						
		battery level	✓	-	-			
		Gear	✓	-	-			
	Bluetoot	position SHIMAN O E-BIKE SYSTEM						
	h® LE custom	ŠÝŠŤĚM S data	1	-	-			
	(*1)	items (*3)						
Di2 connectivity wireless		Compati						
wireless		Compati ble with E-TUBE RIDE	✓	-	-			
		Compati						
		Compati ble with E-TUBE PROJECT	✓	-	-			
		Adjust mode						
				_	-			
		informat	✓					
		informat ion Di2		_				
	ĄNT	informat ion Di2 battery level	1	-				
	ANT private (*2)	Di2 battery level Gear		-	-			
	ANT private (*2)	Informat ion Di2 battery level Gear position SHIMAN	1	-	-			
	ANT private (*2)	Information Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM	1	-	-			
	ANT private (*2)	Information Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM S data	1	-	-			
Firmware update	private (*2) by E-TUBE P	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3)	/ /	-	-			
SD50 p	private (*2) by E-TUBE P ort (pcs)	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3)	1	- - - 1 0	- - - 1 0			
SD50 p 2 SD300 2 SD50 coni	private (*2) by E-TUBE P ort (pcs) port (pcs) nector (pcs)	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3)	/ / / 0 1 0	0	0			
SD50 p SD300 p SD50 con SD300 con	private (*2) by E-TUBE P ort (pcs) nector (pcs) nector (pcs)	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3)	/ / / / 0	0	0			
SD50 p SD300 p SD50 con SD300 con LED for sy Chargi	by E-TUBE P ort (pcs) oort (pcs) nector (pcs) stem status ng port	informat ion Di2 battery level Gear position SHIMAN O E-BIKE SYSTEM \$ data items (*3)	/ / / 0 0 1 0 0	0 0 0	0 0 0			
SD50 p SD300 p SD50 con SD300 con LED for sy Chargi Chargi	by E-TUBE P ort (pcs) oort (pcs) nector (pcs) nector (pcs) stem status ng port ng cable	informat ion Di2 battery level Gear position 5HIMAN O E-BIKE SYSTEM \$\(\frac{4}{3}\)	/ / / / 0 1 0 0 0 4 EW-EC300	0 0 0 -	0 0 0 -			
SD50 p SD300 p SD50 con SD300 con LED for sy Chargi Chargi	by E-TUBE P ort (pcs) oort (pcs) nector (pcs) nector (pcs) stem status ng port ng cable	informat ion Di2 battery level Gear position 5HIMAN O E-BIKE SYSTEM \$\(\frac{4}{3}\)	/ / / 0 0 1 0 0	0 0 0 - -	0 0 0 -			
SD50 p SD300 j SD50 con SD300 con SD300 con LED for sy Chargi Average Note *1 Compatible cycle computer and s not freely onen pro	by E-TUBE P ort (pcs) oector (pcs) nector (pcs) stem status ng port ng cable weight (g) with a Blue martphone.	informat ion Di2 battery level Gear position SHIMAN STARM ST	/ / / / 0 1 0 0 0 4 EW-EC300	0 0 0 -	0 0 0 -			
SD50 p SD300 p SD50 con SD300 con LED for sy Chargi Chargi	by E-TUBE P ort (pcs) oort (pcs) oector (pcs) seem status ng port ng cable weight (g) with a Blue with a Blue plet by let	informat ion Di2 battery level Gear position SHIMAN OF-BIKE (**) ROJECT	/ / / / 0 1 0 0 0	0 0 0 -	0 0 0 -			

Front Derailleur

Ser	ries	GRX	GRX
Mode	el no.	FD-RX825	FD-RX815-F
Color	1	Series color	Series color
	2	-	-
Front	speeds	2	2
Rear s	peeds	12	11
Compati	ble chain	HG 12-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-
Action	Down swing	✓	✓
	Clamp band1	-	-
	Clamp band2	-	-
Mount	Clamp band3	-	-
	Brazed-on	1	✓
Chain li	ne (mm)	47	47
Chainstay a	angle (deg.)	63-66	61-66
Top gea	ar teeth	48T	46-48T
Total ca	apacity	17T	17T
Link bu	ıshings	2	2
For at alasma hand	Material	-	-
Front clamp band	Finish	-	-
Rear clamp band.	Material	Aluminum	Aluminum
Rear clamp band, base bracket	Finish	Anodized	Painted
Outer link	Material	GFRP	CFRP
Outer link	Finish	-	Painted
In a sulfada	Material	Steel	Steel
Inner link	Finish	Plated	Plated
Challe 11	Material	Steel	Steel
Chain guide	Finish	Chrome plated	Chrome plated
Maste	er unit	-	-
Firmware update b	by E-TUBE PROJECT	1	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	ote		

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		Page	
	Shift/Brake Lever (Hydraulic Disc Brake)	108	ST
	Shift/Brake Lever	112	ST
	Shifter	116	SL
	Brake Lever (Hydraulic Disc Brake)	119	BL
	Brake Lever	120	BL
	Brake (Hydraulic Disc Brake)	122	BR
	Brake (Mechanical Disc Brake)	125	BR
	Brake (Caliper Brake)	126	BR
	Brake (V-BRAKE)	131	BR
	Brake (Cantilever Brake)	131	BR
	Brake Cable	131	ВС
	Rear Derailleur	132	RD
	Front Derailleur	136	FD
	Crankset	141	FC
	Crankset (Power Meter)	146	FC
	Bottom Bracket (HOLLOWTECH II)	147	ВВ
	Bottom Bracket	148	ВВ
	Cassette	149	CS
	Front Hub (Rim/Disc Brake)	152	НВ
	FREEHUB (Rim/Disc Brake)	154	FH
	Wheel (Disc Brake)	156	WH
	Wheel (Rim Brake)	161	WH
	Head Parts	166	НР
<di2 spec.=""></di2>	Shift/Brake Lever (Hydraulic Disc Brake)	167	ST
	Shift/Brake Lever	169	ST
	Shift Switch	171	sw
	Rear Derailleur	172	RD
	Front Derailleur	174	FD
	Front Derailleur (Adapter)	174	SMAD

Shift/Brake Lever (Hydraulic Disc Brake)

Ser	ies		DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Model no.		ST-R9120-R	ST-R9120-L	ST-R8020-R	ST-R8020-L	ST-R8025-R	ST-R8025-L	
Calan		1	Series color	Series color	Series color	Series color	Black	Black
Color	2	2	-	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front speeds Shift lever Rear speeds		-	2	-	2	-	2
Shift lever	Rear s	peeds	11	-	11	-	11	-
Multi cons		earing uction	-	-	-	-	-	-
	Brake hose (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
	color (kit)	2	-	-	-	-	-	-
	Recommended brake caliper		BR-R9170	BR-R9170	BR-R8070	BR-R8070	BR-R8070	BR-R8070
Brake lever	O	oil	SHIMANO Mineral					
	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	23.8-24.2	23.8-24.2
	Funnel bleeding		✓	✓	1	1	1	1
	Free stroke adjust		✓	✓	1	1	1	1
	SERVO WAVE		✓	✓	1	1	1	1
Bracket	Mat	erial	Engineering composite					
	Fin	ish	-	-	-	-	-	-
Brake lever	Mat	erial	CFRP	CFRP	Engineering composite	Engineering composite	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Mat	erial	Titanium	Titanium	Steel	Steel	Steel	Steel
	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 lover solds		Polymer- coated cable	1	1	1	1	1	1
Shift lever cable	lne	OPTISLIC K	-	-	-	-	-	-
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average v	veight (g)		538 (/pair)	538 (/pair)	554 (/pair)	554 (/pair)	568 (/pair)	568 (/pair)
No	te						For small hand.	For small hand.

Shift/Brake Lever (Hydraulic Disc Brake)

Series		SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	
Mode	l 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
Coloi	2		-	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Front speeds		-	2	-	2	-	2	
Shift lever	Rear s	peeds	12	-	11	-	11	-
Mult		pearing ruction	-	-	-	-	-	-
	Brake hose (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	-	-	-	-	-	-
	Recommended brake caliper		BR-R7170	BR-R7170	BR-R7070	BR-R7070	BR-R7070	BR-R7070
Brake lever	O	Dil	SHIMANO Mineral					
	Reach adjust		✓	1	1	✓	1	~
	Clamp band (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 stro	ke adjust	-	-	-	-	-	-
	SERVO WAVE		-	-	-	-	-	-
Bracket	Mat	erial	Engineering composite					
	Fin	ish	-	-	-	-	-	-
Buelse Javan	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brake lever	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
	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		Polymer- coated cable	-	-	-	-	-	-
Silit lever cable	Innor	OPTISLIC K	✓	1	1	1	1	1
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average w	eight (g)		612 (/pair)	612 (/pair)	610 (/pair)	610 (/pair)	619 (/pair)	619 (/pair)
No	te		-	-	-	-	For small hand.	For small hand.

Ver. 2.7, Jun. 25, 2024, SHIMANO INC.

Shift/Brake Lever (Hydraulic Disc Brake)

Ser	ies		TIAGRA	TIAGRA	TIAGRA	TIAGRA	SHIMANO	SHIMANO
Model no.		ST-4720-R	ST-4720-L	ST-4725-R	ST-4725-L	ST-RS685-R	ST-RS685-L	
Call	1		Series color	Series color	Series color	Series color	Series color	Series color
Color	:	2	-	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front speeds Shift lever Rear speeds		=	2	-	2	-	2
Shift lever	Rear speeds		10	-	10	-	11	-
	Multi-k constr	earing ruction	-	-	-	-	-	-
Brake hose (kit)		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 joi		Straight	Straight	Straight	Straight	Straight	Straight
	Brake hose	1	Black	Black	Black	Black	Black	Black
	color (kit)	2	-	-	-	-	White	White
	Recomr brake	nended caliper	BR-4770	BR-4770	BR-4770	BR-4770	BR-RS785	BR-RS785
Brake lever	O	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	1	1	1	1	1	1
	Clamp band (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	1
	Free stro	ke adjust	-	-	-	-	✓	1
	SERVO WAVE		-	-	-	-	1	1
Bracket	Mat	erial	Engineering composite	Engineering composite	Engineering composite	Engineering composite	Aluminum	Aluminum
	Fin	ish	-	-	-	-	Painted	Painted
Brake lever	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Engineering composite	Engineering composite
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
		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	-	-	-	-	1	1
Jillit level table		OPTISLIC K	✓	1	1	1	-	-
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	-	-	-	-	-	-
Average v	veight (g)	•	-	-	-	-	649 (/pair)	649 (/pair)
No	te				For small hand.	For small hand.		

Shift/Brake Lever (Hydraulic Disc Brake)

Sei	ries		SHIMANO	SHIMANO	
Mode	el no.		ST-RS405-R	ST-RS405-L	
		1	Dark gray	Dark gray	
Color	:	2	-	-	
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front speeds		-	2	
Shift lever	Rear speeds		10	10	
	Multi-l constr	pearing ruction	-	-	
	Brake h	ose (kit)	SM-BH59-J-SS	SM-BH59-J-SS	
	Hose	joint	Straight	Straight	
	Brake 1		Black	Black	
	color (kit) 2		-	-	
	Recommended brake caliper		BR-RS405	BR-RS405	
Brake lever	Oil		SHIMANO Mineral	SHIMANO Mineral	
	Reach adjust		1	1	
	Clamp band (mm)		23.8-24.2	23.8-24.2	
	Funnel bleeding		1	1	
	Free stroke adjust		-	-	
	SERVO WAVE		-	-	
Burnelland	Mat	erial	Aluminum	Aluminum	
Bracket	Fin	ish	Painted	Painted	
Donales Issues	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	OT-SP41	OT-SP41	
Shift lever cable		Polymer- coated cable	-	-	
Jilli Lievel Capie	Inner	OPTISLIC K	1	1	
	Inner cable	SIL-TEC	-	-	
		Stainless	-	-	
	Steel		-	-	
Average v	Average weight (g)			-	
No	ote				

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Shift/Brake Lever

Se	ries		DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA
Mod	Model no.		ST-R9100-R	ST-R9100-L	ST-9001	ST-R8000-R	ST-R8000-L	ST-6800
Color		1	Series color					
Color	:	2	-	-	-	-	-	-
Shifte	Shifter type		DUAL CONTROL LEVER					
Front speeds		-	2	2	-	2	2	
Shift lever	Rear speeds		11	-	11	11	-	11
	Multi-l consti	pearing ruction	R:4 L:4	R:4 L:4	R:4 L:4	*	*	- *
	Reach adjust		Screw	Screw	Screw	Screw	Screw	Screw
			23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Brake lever	SLF	R-EV	*	1	1	1	✓	✓
	NEW SUPER SLR		-	-	-	-	-	-
SUPE		R SLR	-	-	-	-	-	-
Bracket	Material Finish		CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
ыаскес			CFRP	CFRP	CFRP	CFRP	CFRP	CFRP
Brake lever	Mat	erial	Carbon	Carbon	Carbon	CFRP	CFRP	CFRP
brake lever	Fir	ish	Painted	Painted	Painted	Painted	Painted	Painted
	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-RS900	OT-RS900	OT-SP41 sealed
Shift lever cable		Polymer- coated cable	✓	1	✓	✓	✓	•
Simil level Cable	Inner	OPTISLIC K	-	-	-	-	-	-
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	✓	✓	✓	✓	✓
		Steel	-	-	-	-	-	-
Average	weight (g)		365 (/pair)	365 (/pair)	365 (/pair)	220	218	425 (/pair)
No	ote					* Use bush	* Use bush	* Use bush

Shift/Brake Lever

Ser	ies		SHIMANO 105	SHIMANO 105	SHIMANO 105	TIAGRA	TIAGRA	TIAGRA
Model 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
2		2	Spark silver	Spark silver	Silver	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
Front speeds		speeds	-	2	2	-	2	3
Shift lever	Rear speeds		11	-	11	10	-	-
	Multi-l constr	pearing ruction	0	0	0	0	0	0
	Reach adjust		Screw	Screw	Screw	screw	Screw	Screw
	Clamp band (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
Brake lever	SLR-EV		1	1	✓	✓	✓	✓
NEW S		IPER SLR	-	-	-	-	-	-
	SUPER SLR		-	-	-	-	-	-
Procket	Bracket Finish		GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Біаскес			GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Brake lever	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
brake level	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	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	-	-	-	-	-	-
Similare Cable	Inner	OPTISLIC K	1	1	1	1	1	1
	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	1	1	1	1
		Steel	-	-	-	-	-	-
Average v	veight (g)		251	249	486 (/pair)	-	-	-
No	ote		-	-				

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Shift/Brake Lever

Se	Series		SHIMANO	SORA	SORA	SORA	SHIMANO	CLARIS
Mod	el no.		ST-R460	ST-R3000-R	ST-R3000-L	ST-R3030-L	ST-R353	ST-R2000-R
		1	Black	Series color	Series color	Series color	Black	Series color
Color		2	-	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER	
	Front speeds Shift lever Rear speeds		2	-	2	3	3	-
Shift lever			10	9	-	-	-	8
	Multi-l consti	bearing ruction	-	0	0	0	-	-
	Reach adjust		Spacer use	Screw	Screw	Screw	Spacer use	Screw
	Clamp band (n Brake lever SLR-EV		23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2	23.8-24.2
Brake lever			-	-	-	-	-	-
	NEW SU	JPER SLR	✓	✓	1	✓	1	✓
	SUPE	R SLR	-	-	-	-	-	-
Procket	Material Finish		GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
bracket			GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
Brake lever	Material Ever Finish		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
biake level			Painted	Painted	Painted	Painted	Painted	Painted
	Outor	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed
Shift lever cable		Polymer- coated cable	-	-	-	-	-	-
Shirt lever cable	Inner	OPTISLIC K	-	✓	1	✓	-	✓
	Inner cable	SIL-TEC	-	=	-	-	1	-
		Stainless	✓	1	1	1	1	-
	Steel		-	-	-	-	-	✓
Average	weight (g)		-	-	-	-	-	-
		SHIMANO logo				SHIMANO logo		
Ne	Note		Compatible with Caliper/Canti/Road disc brake				Compatible with Caliper/Canti/Road disc brake	
			Not compatible with V-BRAKE/Compact V-BRAKE				Not compatible with V-BRAKE/Compact V-BRAKE	

Shift/Brake Lever

Series		CLARIS	CLARIS	CLARIS	CLARIS	CLARIS	
Model no.			ST-R2000-L	ST-R2030-L	ST-RS200-R	ST-RS200-L	ST-RS203-L
Color		1	Series color	Series color	Series color	Series color	Series color
2		2	-	-	-	-	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
	Front speeds		2	3	-	2	3
Shift lever	Rear	peeds	-	-	8	-	-
	Multi-l consti	pearing ruction	-	-	-	-	-
	Reach	adjust	Screw	Screw	1	1	✓
	Clamp b	and (mm)	23.8-24.2	23.8-24.2	22.2	22.2	22.2
Brake lever	SLF	R-EV	-	-	-	-	-
	NEW SUI		1	1	-	-	-
SUPER SL		R SLR	-	-	1	1	✓
Dunglant	Material		GFRP	GFRP	Aluminum	Aluminum	Aluminum
Bracket	Fir	ish	GFRP	GFRP	Painted	Painted	Painted
Brake lever	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
втаке lever	Fir	ish	Painted	Painted	Painted	Painted	Painted
	Outer	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
	Outer casing	Rear derailleu r side	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed
Shift lever cable		Polymer- coated cable	-	-	-	-	-
J.iii icver cable	Inner	OPTISLIC K	1	1	1	1	1
	Inner cable	SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
		Steel	1	1	1	1	✓
Average v	weight (g)		-	-	-	-	-
No	ote						

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Shifter

Ser	ies		DURA-ACE	SHIMANO	SHIMANO	DURA-ACE	TIAGRA	TIAGRA
Model 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	-	-	-	-	-	-
Shifter type		Bar end shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down tube shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	
Front speeds		2	2	2	2/3	2	3	
Rear s	Rear speeds		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		band	-	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	✓	-	✓	✓
Max. multiple shift	s (main lev	er/rear)	-	4	4	-	4	-
	MULTI F	RELEASE	-	*✔ (right)/- (left)	*✔ (right)/- (left)	-	-	-
Release function	INSTANT	RELEASE	-	1	1	-	✓ (rear)	-
	2-WAY F	RELEASE	-	1	1	-	1	1
	With		-	-	-	-	✓	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	With	hout	✓	1	✓	1	-	-
Multi-bearing	construction	on	-	R:2 L:2	R:2 L:2	-	R:2 L:2	2
Shift lever bracket	Mat	erial	-	Aluminum	Aluminum	-	Aluminum	Aluminum
Silit level Bracket	Fin	ish	-	Painted	Painted	-	Painted	Painted
Clamp screw	Mat	erial	-			-		
Ciamp servin	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	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inņer	OPTISLIC K	-	-	-	-	-	-
Jillie ic ver cable	cable	SIL-TEC	✓	✓	•	✓	-	-
		Stainless	✓	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)		153 (/pair)	210 (/pair)	210 (/pair)	63 (/pair)	-	-
No	te			* Pull: single Push: double	* Pull: single Push: double			

Shifter

Series		TIAGRA	SHIMANO	DURA-ACE	SORA	SORA	SORA	
Model no.		SL-4603	SL-R460	SL-7700	SL-R3000-R	SL-R3000-L	SL-R3030-L	
Color	•	ı	Series color	Black	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
Shifter type			RAPIDFIRE PLUS	RAPIDFIRE PLUS	Down tube shifter	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		3	2	2/3	=	2	3
Rear sp	peeds		-	10	9	9	-	-
Compatible rear	derailleur	type	-	ROAD 10-speed	ROAD 9-speed	RD-R3000	FD-R3000	FD-R3030
	Clamp	band	✓	1	-	✓	1	1
Mount type	I-SP	ЕС В	-	-	-	=	-	-
	I-SP	EC II	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever c	able adjust		✓	1	-	✓	1	1
Max. multiple shifts	s (main lev	er/rear)	=	4	-	3	-	-
	MULTI F	ELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	√ (right side)	-	-	-	-
	2-WAY F	RELEASE	✓	1	-	✓	✓	1
	W	th	✓	1	-	✓	1	1
OPTICAL GEAR DISPLAY	With (re	novable)	-	-	-	-	-	-
	With	nout	-	-	1	-	-	-
Multi-bearing	construction	on	2	R:2 L:2	-	-	-	-
Chift laves by a deat	Mat	erial	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	Painted	Painted	-	Painted	Painted	Painted
Clamp serow	Mat	erial			-			
Clamp screw	Fin	ish			-			
Main laven hade	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Main lever body	Fin	ish	Painted	Painted	Clear coated	Painted	Painted	Painted
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin
Release level body	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	l	OPTISLIC K	-	-	-	1	1	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	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 w	veight (g)		-	-	-	-	-	-
Note				SHIMANO logo				

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BL BR

BR BR

BR BR

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WH

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Shifter

Ser	ies		SHIMANO	SHIMANO	CLARIS	CLARIS	CLARIS	SHIMANO
Mode	el no.		SL-R350-R	SL-R353	SL-R2000-R	SL-R2000-L	SL-R2030-L	SL-R400
		1	Black	Black	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
Shifte	Shifter type		RAPIDFIRE PLUS	Down tube shifter				
Front	speeds		-	3	-	2	3	2/3
Rear s	peeds		9	-	8	-	-	8
Compatible rea	derailleur	type	ROAD 9-speed	-	ROAD 8-speed	-	-	ROAD 8-speed
	Clamp	band	1	1	1	1	1	-
Mount type	I-SP	EC B	-	-	-	-	-	-
	I-SP	EC II	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever	able adjust	t	✓	1	1	1	1	-
Max. multiple shift	s (main lev	er/rear)	3	-	3	-	-	-
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY RELEASE		✓	1	1	1	1	-
	With		1	1	1	1	1	-
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	With	hout	-	-	-	-	-	1
Multi-bearing	construction	on	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-
Shift lever bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	-
	Mat	erial						-
Clamp screw	Fin	ish						-
	Mat	erial	Aluminum	Aluminum	Steel+Resin	Steel+Resin	Steel+Resin	Aluminum
Main lever body	Fin	ish	Painted	Painted	-	-	-	Painted
Deleges lever by 2	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	-
Release lever body	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	-	-	1	1	1	-
Shift lever cable	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	-	-	-	1
		Steel	-	-	1	1	✓	-
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		SHIMANO logo	SHIMANO logo				

Brake Lever (Hydraulic Disc Brake)

Sei	Series					
Mode	BL-RS600					
Brake	Hydraulic disc brake					
Lever siz	e (finger)	3				
	1	Black				
Color	2	-				
	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	WAVE	-				
	Toolless	-				
Reach adjust	Tool	1				
Free stro	ke adjust	-				
	Clamp band	1				
Compatible shifter mount	I-SPEC B	-				
	I-SPEC II	1				
	Open clamp	1				
Clamp band	Diameter (mm)	22.2				
Recommende	d brake caliper	BR-RS405				
C	oil	SHIMANO mineral				
Funnel I	oleeding	1				
	Material	Stainless steel				
Clamp screw	Finish	-				
Duralis 4	Material	-				
Bracket	Finish	-				
Bushes Issues	Material	Aluminum				
Brake lever	Finish	Anodized				
Master cultural	Material	Aluminum				
Master cylinder	Finish	Painted				
Average v	Average weight (g)					
No	ote					

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Brake Lever

Series		DURA-ACE	TIAGRA	SORA	CLARIS	SHIMANO	SHIMANO
Mode	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
Compatible brake type	Caliper (NEW SUPER SLR)	✓	✓	1	1	1	-
31	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 bu	ımper stop	-	✓	1	1	✓	-
Lever siz	e (finger)	-	2.5	2.5	2.5	2.5	2.5
Brake ca	ble type	-	T-type	T-type	T-type	T-type	T-type
Power a	adjuster	-	-	-	-	-	-
SERVO	WAVE	-	-	-	-	-	-
Reach	adjust	✓	✓	1	1	1	1
Cable	adjust	-	✓	✓	✓	✓	1
Cable ad	just type	-	Two hand	Two hand	Two hand	Two hand	Two hand
Brake lever	Material	CFRP	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
brake level	Finish	Painted	Anodized	Anodized	anodized	Anodized	Anodized
Brake bracket	Material	CFRP	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
place placket	Finish	Painted	Painted	Painted	painted	Painted	Painted
Average v	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	SHIMANO	
Mod	BL-R400	
	1	Series color
Color	2	-
	3	-
	V-BRAKE	-
	Mechanical disc brake (Road)	-
Compatible brake type	Caliper (NEW SUPER SLR)	-
туре	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)	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
Burlin burling	Material	Aluminum
Brake bracket	Finish	Anodized
Average	weight (g)	-
N	ote	

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Brake (Hydraulic Disc Brake)

Ser	ries	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	1	Black	Black	Black	Black	Black	Black
Brake hose color (kit)	2	-	-	-	-	-	-
J-Kit spec	(for OEM)	1	~	✓	1	1	~
ICE TECHNOLOGIES p	ad compatible caliper	1	✓	1	1	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)
n. J	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)
Pad	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	-	-	1	-	✓
	15 mm mount	1	-	1	1	-	1
	20 mm mount	1	-	1	1	-	✓
Fixing screw spec	25 mm mount	1	-	1	1	-	1
Fixing screw spec for rear mount	30 mm mount	1	-	1	1	-	✓
	35 mm mount	1	-	1	1	-	1
	15.2 mm	-	-	-	-	-	-
	18.7 mm	-	-	-	-	-	-
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		1	1	1	1	1	1
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	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
camper fixing screw	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	ote						

Brake (Hydraulic Disc Brake)

Series		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 (kit)	1	Black	Black	Black	Black	Black	Black
(kit)	2	-	-	-	-	-	White
J-Kit spec	(for OEM)	1	1	1	1	✓	✓
ICE TECHNOLOGIES p	ad compatible caliper	✓	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)
Pad	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)
1 44	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	-	1	-	✓	-
	15 mm mount	✓	-	1	-	✓	-
	20 mm mount	1	-	1	-	✓	-
Fixing screw spec for rear mount	25 mm mount	1	-	1	-	✓	-
for rear mount	30 mm mount	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	ote						

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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	1	Black	Black	
Brake hose color (kit)	2	-	-	
J-Kit spec	(for OEM)	✓	1	
ICE TECHNOLOGIES p	ad compatible caliper	✓	✓	
	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)	
Dod.	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	-	1	
Fixing screw spec for rear mount	30 mm mount	-	✓	
	35 mm mount	-	1	
	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	
О	il	SHIMANO mineral	SHIMANO mineral	
ONE WAY	BLEEDING	✓	✓	
Moun	t type	Flat mount	Flat mount	
Pist	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	veight (g)	-	-	
No	ote			

Brake (Mechanical Disc Brake)

Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	BR-R317	BR-RS305-F	BR-RS305-R
Calar	1	Black	Black	Black
Color	2	-	-	-
Brake	type	Mechanical disc brake	Mechanical disc brake	Mechanical disc brake
Compa	atibility	NEW SUPER SLR	NEW SUPER SLR	NEW SUPER SLR
ICE TECHNOLOGIES p	ad compatible caliper	-	~	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 for rear mount	20 mm mount	-	-	1
for řear 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)
Moun	t type	Post type	Flat mount	Flat mount
Pis	ton	1	1	1
Piston ı	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 n	nount	Pad axle	Pad axle	Pad axle
Average v	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	1	Series color					
Color	2	2	-	-	-	-	-	-
Ту	pe		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	al choice	R55C4 Carbon, R55C4-A Carbon, R55CT4					
Compa	tibility		SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV	SLR-EV
		10.5	✓	-	-	1	-	-
		12.5	1	-	-	1	-	-
Accombly pivot put	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	1	1	1
Tire guide	bumpers		✓	1	1	1	1	1
Quick rele	ase lever		1	1	1	1	1	-
Shoe angle	adjusting		1	1	1	1	1	1
Spring tensi	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	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium
Cartridge shoe holder	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
V a	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Y-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Cata	Mat	erial	Aluminum	-	-	Aluminum	-	-
Gate	Fin	ish	Anodized	-	-	Anodized	-	-
Quiek walessa lawa	Mat	erial	Resin	Resin	Resin	Resin	Resin	-
Quick release lever	Fin	ish	Painted	Painted	Painted	Painted	Painted	-
Titanium cabl	e fixing scre	ew	1	1	1	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 quick 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
Color		1	Series color	Series color	Series color	Series color	Black	Series color
Color	:	2	-	-	-	-	-	-
Ту	ре		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	-	-	-	✓
		12.5	-	1	-	-	-	1
	Front (mm)	18.0	-	1	-	-	-	✓
Assembly pivot nut (mm)		27.0	-	1	-	-	-	1
		32.0	-	1	-	-	-	✓
	Rear (mm)	10.5	-	1	-	-	-	1
Cartridge s	hoe holder		1	1	1	1	1	✓
Tire guide	bumpers		1	1	1	1	1	✓
Quick rele	ase lever		1	1	1	1	-	✓
Shoe angle	adjusting		1	1	1	1	1	✓
Spring tensi	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 2	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 release lever	Mat	erial	Resin	Resin	Resin	Resin	-	Resin
Quick release lever	Fin	ish	Painted	Painted	Painted	Painted	-	-
Titanium cabl	e fixing scr	ew	1	-	-	-	-	-
Titanium	pivot bolt		√ (fixing screw)	-	-	-	-	-
Average v	veight (g)		148 (/pc)	182 (Front) 180 (Rear)	180 (/pc)	178 (/pc)	-	182 (Front) 178 (Rear)
Note							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
	1	1	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	al 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	-	-	-	✓	-	-
		12.5	-	-	-	✓	-	-
Accombly pivot put	Front (mm)	18.0	-	-	-	✓	-	-
Assembly pivot nut (mm)		27.0	-	-	-	1	-	-
		32.0	-	-	-	✓	-	-
	Rear (mm)	10.5	-	-	-	1	-	-
Cartridge s	hoe holder		1	1	1	1	1	1
Tire guide	Tire guide bumpers		✓	1	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	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 2	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Varm	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Y-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Cata	Mat	erial	-	-	-	Aluminum	-	-
Gate	Fin	ish	-	-	-	Anodized	-	-
Quick release lever	Mat	erial	Resin	-	Resin	Aluminum	Aluminum	Aluminum
Quick release lever	Fin	ish	-	-	-	Painted	Painted	Painted
Titanium cabl	e fixing scre	ew	-	-	-	-	-	-
Titanium	oivot bolt		i e	-	-	-	-	-
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	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	✓	-	-	✓	✓	✓
		12.5	1	-	-	1	1	1
A a a a sumble suite and succession	Front (mm)	18.0	1	-	-	1	1	✓
Assembly pivot nut (mm)		27.0	1	-	-	1	1	1
		32.0	1	-	-	1	1	4
	Rear (mm)	10.5	1	-	-	1	1	✓
Cartridge s	Cartridge shoe holder		1	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	1	✓
Spring tension	on adjustin	g	-	-	-	-	-	-
Maximun	n 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	Mat	erial	Aluminum	Aluminum	Aluminum	-	-	-
Cartridge shoe holder	Fin	ish	Painted	Painted	Painted	-	-	-
C 2	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
C-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
V a	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Y-arm	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
Gate	Mat	erial	Aluminum	-	-	Aluminum	Aluminum	Aluminum
Gate	Fin	ish	Anodized	-	-	Anodized	Anodized	Anodized
Quick release lever	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Quick release lever	Fin	ish	-	-	-	Painted	-	-
Titanium cabl	e fixing scre	ew	-	-	-	-	-	-
Titanium	oivot bolt		-	-	-	-	-	-
Average v	veight (g)		379 (/pair)	174 (/pc)	174 (/pc)	-	-	-
No	Note		-	-	-			

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RD

Brake (Caliper Brake)

Ser	ies		SHIMANO	SHIMANO
Mode	el no.		BR-R561	BR-R451
Color		ı	Silver	Black
Color		2	Black	Silver
Ту	pe		NEW SUPER SLR Dual pivot	SUPER SLR Dual Pivot
Reach	(mm)		49	57
	Stan	dard	R55C3	R50T2
Brake shoe	Brake shoe Optional choice		R55C for ceramic rim, R55C3 for carbon rim	-
Compa	tibility		NEW SUPER SLR	SUPER SLR
		10.5	1	✓
		12.5	1	1
Accomply pivot put	Front (mm)	18.0	1	✓
Assembly pivot nut (mm)		27.0	1	1
		32.0	-	-
	Rear (mm)	10.5	1	√
Cartridge s	hoe holder		1	-
Tire guide	bumpers		-	-
Quick rele	ase lever		1	✓
Shoe angle	adjusting		1	1
Spring tension	on adjustin	g	-	-
Maximum	tire size		28C	32C
Rim wid	th (mm)		19-26	19-26
Cartridge shoe holder	Mat	erial	Aluminum	-
holder	Fin	ish	Painted	-
C-arm	Mat	erial	Aluminum	Aluminum
C-dilli	Fin	ish	Anodized	Painted
Y-arm	Mat	erial	Aluminum	Aluminum
1-41111	Fin	ish	Anodized	Painted
Gate	Mat	erial	Aluminum	Aluminum
Gate	Fin	ish	Anodized	Painted
Quick release lever	Mat	erial	Zinc	Resin
Taren resease level	Fin	ish	Plated	-
Titanium cable	e fixing scre	ew	-	-
Titanium į	pivot bolt		-	-
Average v	veight (g)		-	-
No	te		Maximum tire size: 28 mm	Quick release lever wider open Maximum tire size: 32 mm

Brake (V-BRAKE)

Ser	ies	SHIMANO
Mode	el no.	BR-R353
	1	Silver
Color	2	Black
	3	-
Brake	type	V-BRAKE
	Standard 1	\$70T
Brake shoe	Standard 2	-
втаке snoe	Option 1	M70T4
	Option 2	-
Cartridge s	hoe holder	-
Arch siz	e (mm)	90
Spacer type	X type	1
Spacer type	Y type	-
Compatible lead	pipe angle (deg.)	45/90/135
Sleeve & bu	ushing axle	1
Manus/saliman	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	DDULATOR	-
Linear	spring	1
Threaded bra	ke shoe post	1
Average v	veight (g)	-
No	rte	SHIMANO logo

Brake (Cantilever Brake)

Series					
Model no.					
1	Silver				
2	-				
type	Cantilever brake				
ach	-				
Standard	R50T2				
Optional choice	-				
Compatibility					
vot nut (mm)	-				
hoe holder	-				
bumpers	-				
ease lever	-				
adjust	✓				
on adjusting	✓				
Material	-				
Finish	-				
Material	Aluminum				
Finish	Anodized				
weight (g)	175				
ote	Cyclocross usage				
	el no. 1 2 etype ach Standard Optional choice ettibility vot nut (mm) hoe holder ethompers ease lever adjust on adjusting Material Finish Material Finish weight (g)				

Brake Cable

Ser	ries	DURA-ACE	SHIMANO	SHIMANO
Mode	el no.	BC-9000	BC-R680	BC-1051
	High-tech gray	1	1	1
	Black	1	1	1
	White	1	1	1
Color	Red	1	1	✓
Color	Blue	1	1	-
	Lime-green	1	1	-
	Orange	1	1	-
	Yellow	1	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	ote			

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Rear Derailleur

Seri	ies	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mode	l no.	RD-R9100-SS	RD-9000-SS	RD-R8000-SS	RD-R8000-GS	RD-6800-SS	RD-6800-GS
	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	11	11	11	11	11	11
Compatib		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	-	-
RD construction	SHIMANO SHADOW	-	-	-	-	-	-
	Double servo	-	1	-	-	1	1
	Direct attachment (conventional)	✓	✓	1	1	✓	1
	Direct mount	√ *	-	√ *	√ *	-	-
Mount	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Cable a		1	1	1	1	1	1
Max. front	•	16T	16T	16T	16T	16T	16T
Total ca		35T	33T	35T	39T	33T	37T
	Max.	30T	28T	30T	34T	28T	32T
Low sprocket	Min.	25T	23T	25T	28T	23T	28T
Ton ones shot	Max.	14T	14T	14T	12T	14T	12T
Top sprocket	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated	link bushings	4	4	4	4	4	4
	Guide pulley bearing	✓	✓	1	1	✓	1
	Tension pulley bearing	✓	✓	1	✓	✓	1
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	✓	✓	1	1	✓	1
Bracket	Material	Aluminum	-	-	-	-	-
bracket	Finish	Anodized	-	-	-	-	-
	Hollow axle	✓	✓	1	✓	✓	✓
B-axle	Material	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Anodized	-	-	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	Aluminum	-	-	-	-	-
	Finish	Anodized	-	-	-	-	-
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
,	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
P-axle	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Plate body	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
	Finish Material	Painted Aluminum	Painted Aluminum	Painted Aluminum	Painted Aluminum	Painted Aluminum	Painted Aluminum
Outer link	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Material	Aluminum	Aluminum	GFRP	GFRP	Aluminum	Aluminum
Inner link	Finish	Anodized	Anodized	GFRP -	- GFKP	Painted	Painted
	Material	Carbon	Carbon	Aluminum	Aluminum	Aluminum	Aluminum
Outer plate	Finish	Clear coated	Clear coated	Painted	Painted	Painted	Painted
	Material	CFRP	CFRP	Aluminum	Aluminum	Aluminum	Aluminum
Inner plate	Finish	Clear coated	Clear coated	Painted	Painted	Painted	Painted
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Finish	Black coated	-	Black coated	Black coated	-	-
Stroke adjusting	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Stroke adjusting screw	Finish	Anodized	Anodized	Plated	Plated	Plated	Plated
Average w	veight (g)	158	158	200	210	195	207
Average weight (g) Note		* w/o Bracket spec available		* w/o Bracket spec available	* w/o Bracket spec		

Rear Derailleur

Ser	Series		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
C-l-:	1	Series color	Series color	Silky black	Silky black	Black	Black
Color	2	-	-	Spark silver	Spark silver	Silver	Silver
Rear s	peeds	11	12	11	11	10	10
Compatil	ble chain	LINKGLIDE, HG 11-speed	HG 12-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 10-speed	HG 10-speed
	SHIMANO SHADOW	-	✓	✓	✓	-	-
RD construction	SHIMANO SHADOW RD+	1	-	-	-	-	-
	Double servo	-	-	-	-	1	1
	Direct attachment (conventional)	✓	✓	✓	✓	✓	1
	Direct mount	√ *	1	√ *	√ *	-	-
Mount	Riveted adapter (ROAD type)	-	-	-	-	-	_
	Riveted adapter (BMX-track type)	-	-	-	-	-	_
Cable a		,	,			,	
Cable a	lajuster	1	1	√	1	1	16T (front double)
Max. front	difference	16T	16T	16T	16T	16T	16T (front double), 22T (front triple)
Total ca	apacity	39T	41T	35T	39T	34T	40T
Low sprocket	Max.	34T	36T	30T	34T	30T	30T (front triple), 32T (front double)
2011 Sprochet	Min.	28T	34T	25T	28T	25T	27T (front double), 25T (front triple)
Top sprocket	Max.	11T	11T	14T	12T	14T	12T (front double), 14T (front triple)
.op sproence	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated	link bushings	4	2	2	2	2	2
	Guide pulley bearing	1	1	-	-	-	-
	Tension pulley bearing	✓	-	-	-	-	-
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	4	✓	1	1	✓	1
Dunalisat	Material	Aluminum	-	-	-	-	-
Bracket	Finish	Anodized	-	-	-	-	-
	Hollow axle	✓	-	-	-	-	-
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel	Steel
	Finish	-	-	-	-	Plated	Plated
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Aluminum	Plated	Plated	Plated	Plated	Plated
Plate body	Material	Aluminum Painted	GFRP	GFRP	GFRP Painted	Aluminum Painted	Aluminum
	Finish Material	Aluminum	Painted Aluminum	Painted Aluminum	Painted Aluminum	Aluminum	Aluminum
Outer link	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Aluminum	GFRP	GFRP	GFRP	Steel	Steel
Inner link	Finish	Painted	-	-	-	Plated	Plated
_	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Innau 1-4-	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fixing screw	Material	Stainless steel	Steel	Steel	Steel	Steel	Steel
Cable lixing screw	Finish	Passivation	Plated	Plated	Plated	Plated	Plated
Stroke adjusting screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
screw	Finish	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

Ser	ies	TIAGRA	TIAGRA	SORA	SORA	SHIMANO	CLARIS
Mode	el no.	RD-4700-SS	RD-4700-GS	RD-R3000-SS	RD-R3000-GS	RD-R350-GS	RD-R2000-SS
	1	Series color	Series color	Series color	Series color	Black	Series color
Color	2	-	-	-	-	-	-
Rear s	peeds	10	10	9	9	9	8
Compatil	ole chain	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed
	SHIMANO SHADOW	-	-	-	-	-	-
RD construction	SHIMANO SHADOW	-	-	-	-	-	-
	Double servo	1	1	√	1	1	1
	Direct attachment (conventional)	1	1	1	1	1	1
	Direct mount	-	-	-	-	_	-
Mount	Riveted adapter	_	_	_	_	_	_
•	(ROAD type) Riveted adapter						
	(BMX-track type)	-	-	-	-	-	-
Cable a	djuster	✓	1	✓	1	1	1
Max. front	difference	16T	16T (front double), 20T (front triple)	16T	20T	20T	16T
Total ca	apacity	33T	41T	37T	43T	41T	37T
l a am	Мах.	28T	32T (front triple), 34T (front double)	32T	34T	32T	32T
Low sprocket	Min.	25T	28T (front double), 25T (front triple)	25T	28T	25T	25T
_	Max.	14T	12T	14T	14T	14T	13T
Top sprocket	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated	link bushings	2	2	2	2	2	-
	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley bearing	-	-	-	-	-	-
Pulley	Teeth	11T	11T	11T	11T	11T	11T
	Screws material	Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
	Sunken type pulley screw	1	1	-	-	1	1
	Material	-	-	-	-	-	-
Bracket	Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	-	-	-	Plated
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Plate body	Material Finish	Aluminum Painted	Aluminum Painted	Resin Painted	Resin Painted	Resin Painted	Resin Painted
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel
Outer link	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner link	Finish	Plated	Plated	Painted	Painted	Painted	Painted
Outer plate	Material	Steel	Steel	Steel	Steel	Steel	Steel
outer plate	Finish	Plated	Plated	Painted	Painted	Painted	Painted
Inner plate	Material	Steel	Steel	Steel	Steel	Steel	Steel
. ,	Finish	Plated	Plated	Painted	Painted	Painted	Painted
Cable fixing screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting screw	Material Finish	Steel Plated	Steel Plated	Steel Zinc Plated	Steel Zinc Plated	Steel Zinc Plated	Steel Zinc Plated
riiisii		-	-		-	-	
Average v	veiant (a)						

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Rear Derailleur

Sei	ries	CLARIS					
	el no.	RD-R2000-GS					
	1	Series color					
Color	2	-					
Rear s	peeds	8					
	Compatible chain						
	SHIMANO SHADOW	-					
RD construction	SHIMANO SHADOW RD+	-					
	Double servo	✓					
	Direct attachment (conventional)	✓					
Mount	Direct mount	-					
Mount	Riveted adapter (ROAD type)	-					
	Riveted adapter (BMX-track type)	-					
Cable a	ndjuster	✓					
Max. front	difference	20T					
Total c	apacity	43T					
Low sprocket	Max.	34T					
LOW SPIOCKEL	Min.	28T					
Top sprocket	Max.	13T					
iop sprocket	Min.	11T					
Fluoric coated	l link bushings	-					
	Guide pulley bearing	-					
	Tension pulley bearing	-					
Pulley	Teeth	11T					
	Screws material	Steel					
	Sunken type pulley screw	√					
	Material	-					
Bracket	Finish	-					
	Hollow axle	-					
B-axle	Material	Stainless steel					
	Finish	Plated					
	Hollow axle	-					
B-axle 2	Material	-					
	Finish	-					
- 1 .1 .1	Material	Aluminum					
Bracket body	Finish	Painted					
p1-	Material	Steel					
P-axle	Finish	Plated					
Diate hade	Material	Resin					
Plate body	Finish	Painted					
Outer link	Material	Steel					
Outer link	Finish	Painted					
Inner link	Material	Steel					
inner iink	Finish	Painted					
Outer plate	Material	Steel					
Outer plate	Finish	Painted					
Inner plate	Material	Steel					
iiiiei piate	Finish	Painted					
Cable fixing screw	Material	Steel					
cable fixing sciew	Finish	Nickel plated					
Stroke adjusting screw	Material	Steel					
	Finish	Zinc Plated					
	weight (g)	-					
No	ote						

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FD

Front Derailleur

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA	
Mode	l no.		FD-R9100-F	FD-R9100-B	FD-9000-F	FD-9000-B	FD-R8000-F	FD-R8000-B
	1	1	Series color					
Color	2	2	-	-	-	-	-	-
Front s	peeds		2	2	2	2	2	2
Rear s	peeds		11	11	11	11	11	11
Compatik	ole chain		LINKGLIDE, HG 11-speed					
A selicus	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	✓	✓	✓	1	✓	✓
		28.6	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	-	1	-	1	-	1
Mount	()	34.9	-	1	-	1	-	1
	Braze	ed-on	1	-	✓	-	✓	-
Cable a	adjust		1	1	-	-	✓	1
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Chain lir	ne (mm)		43.5	43.5	43.5	43.5	43.5	43.5
Chainstay a	ngle (deg.)		61-66	61-66	61-66	61-66	61-66	61-66
Top gea	r teeth		50-55T	50-55T	50-55T	50-55T	46-53T	46-53T
Total ca	Total capacity		16T	16T	16T	16T	16T	16T
Applicable top-mid	d tooth diff	erence	-	-	-	-	-	-
Angled clamp	Angled clamp band design		-	-	-	-	-	-
Multi-bearing	construction	on	2	2	-	-	-	-
Link bu	shings		8	8	7	7	8	8
	Mat	erial	-	Aluminum	-	Aluminum	-	Aluminum
Front clamp band	Fin	ish	-	Painted	-	Anodized	-	Painted
Rear clamp hand	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Anodized	Anodized	Painted	Painted
	Mat	erial	-	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	CFRF	CFRF	Aluminum	Aluminum	GFRP	GFRP
Outer link	Fin	ish	Plated/Painted	Plated/Painted	Anodized	Anodized	Painted	Painted
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Anodized	Anodized	Anodized	Anodized	Painted	Painted
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Chain guide	Fin	ish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Chrome plated	Chrome plated
611.5	Mat	erial	Stainless steel					
Cable fixing screw	Fin	ish	-	-	-	-	-	-
Stroke adjusting	Mat	erial	Steel	Steel	Aluminum	Aluminum	Stainless steel	Stainless steel
Stroke adjusting screw	Fin	ish	Black	Black	Anodized	Anodized	Black	Black
Average weight (g) direct type	(band type w/ screw)	e: L size,	70	85	66	78	92	106
No	te							

Front Derailleur

Series		ULTEGRA	ULTEGRA	SHIMANO 105	SHIMANO 105	SHIMANO 105	SHIMANO 105	
Mode	el no.		FD-6800-F	FD-6800-B	FD-R7100-F	FD-R7100-B	FD-R7000-F	FD-R7000-B
Color		1	Series color	Series color	Series color	Series color	Silky black	Silky black
Color		2	-	-	-	-	Spark silver	Spark silver
Front	peeds		2	2	2	2	2	2
Rear s	peeds		11	11	12	12	11	11
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
Action	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	✓	1	✓	✓	✓	1
		28.6	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)	-	✓ (w/ S size adapter)
	Clamp band (mm)	31.8	-	1	-	1	-	1
Mount	(11111)	34.9	-	1	-	1	-	1
	Braze	ed-on	1	-	1	-	1	-
Cable	adjust		-	-	✓	1	1	1
Cable route type	Top-pull	exclusive	-	-	-	-	-	-
Chain lir	ne (mm)		43.5	43.5	44.5	44.5	43.5	43.5
Chainstay a	ngle (deg.))	61-66	61-66	61-66	61-66	61-66	61-66
Top gea	r teeth		46-53T	46-53T	50-52T	50-52T	46-53T	46-53T
Total ca	Total capacity		16T	16T	16T	16T	16T	16T
Applicable top-mi	d tooth dif	ference	-	-	-	-	-	-
Angled clamp	band desi	gn	-	-	-	1	-	1
Multi-bearing	constructi	on	-	-	-	-	-	-
Link bu	ıshings		7	7	7	7	7	7
	Mat	terial	-	Aluminum	-	Aluminum	-	Aluminum
Front clamp band	Fir	nish	-	Painted	-	Painted	-	Painted
Been dealed beard	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	terial	-	-	-	-	-	-
Clamp screw	Fir	nish	-	-	-	-	-	-
	Mat	terial	Aluminum	Aluminum	GFRP	GFRP	GFRP	GFRP
Outer link	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	terial	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Inner link	Fir	nish	Painted	Painted	Plated	Plated	Plated	Plated
	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fir	nish	Chrome plated	Chrome plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
	Mat	terial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Fir	nish	-	-	-	-	-	-
Stroko adiustina	Mat	terial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Stroke adjusting screw	Fir	nish	-	-	Black	Black	Black	Black
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
Mode	el no.		FD-5700-F	FD-5703-F	FD-4700-F	FD-4700-B	FD-4703-F	FD-4703-B
		1	Black	Black	Series color	Series color	Series color	Series color
Color	:	2	Silver	Silver	-	-	-	-
Fronts	speeds		2	3	2	2	3	3
Rear s	peeds		10	10	10	10	10	10
Compatil	ble 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	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	✓	1	✓	1	✓	✓
		28.6	-	-	-	√ *	-	√ *
	Clamp band (mm)	31.8	-	-	-	1	-	1
Mount	(11111)	34.9	-	-	-	1	-	1
	Braze	ed-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	ngle (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	ference	-	11T	-	-	11T	11T
Angled clamp	band desi	gn	-	-	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-	-
	Mat	erial	-	-	Aluminum	Aluminum	Aluminum	Aluminum
Front clamp band	Fin	nish	-	-	Painted	Painted	Painted	Painted
Poor clamp band	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	-	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Charles 11	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	nish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
611.61	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	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Stroke adjusting screw	Fin	ish	-	-	-	-	-	-
Average weight (g) direct type	(band type w/ screw)	e: L size,	89	114	-	-	-	-
No	ote					* 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	el no.		FD-CX70-F-T	FD-CX70-F-D	FD-R3000-F	FD-R3000-B	FD-R3030-F	FD-R3030-B
	1	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	-	-	-	-
	TOP S	WING	-	-	-	-	-	-
Action	Down	swing	1	1	1	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	-	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.)	ı	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	pacity		16T	16T	16T	16T	20T	20T
Applicable top-mid	d tooth diff	erence	-	-	-	-	11T	11T
Angled clamp	band desig	gn	-	-	1	1	1	1
Multi-bearing	construction	on	-	-	-	-	-	-
Link bu	shings		7	7	-	-	-	-
	Mat	erial	-	-	-	Aluminum	-	Aluminum
Front clamp band	Finish		-	-	-	Painted	-	Painted
Daniel de la	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	-	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
_	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
	Mat	erial	Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
Cable fixing screw	Fin	ish	-	-	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroko adiustins	Mat	erial	Stainless steel	Stainless steel	Steel	Steel	Steel	Steel
Stroke adjusting 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

Ser	ies		SHIMANO	CLARIS	CLARIS	CLARIS	CLARIS
Mode	el no.		FD-R353-B	FD-R2000-F	FD-R2000-B	FD-R2030-F	FD-R2030-B
	1	l	Black	Series color	Series color	Series color	Series color
Color	2	<u> </u>	-	-	-	-	-
Front	Front speeds			2	2	3	3
Rear s	peeds		9	8	8	8	8
Compatil	ole chain		HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	TOP S	WING	-	-	-	-	-
Action	Down	swing	1	1	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)
Wount	()	34.9	1	-	1	-	1
	Braze	d-on	-	1		√	
Cable	adjust		-	-	-	-	-
Cable route type	Top-pull	exclusive	-	-	-	-	-
Chain liı	ne (mm)		45	43.5	43.5	45	45
Chainstay a	ngle (deg.)		63-66	61-66	61-66	63-66	63-66
Top gea	r teeth		50T	46-52T	46-52T	50T	50T
Total ca	apacity		20T	16T	16T	20T	20T
Applicable top-mi	d tooth diff	erence	11T	-	-	11T	11T
Angled clamp	band desig	jn	-	1	1	1	1
Multi-bearing	construction	on	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-
	Mate	erial	Aluminum	-	Steel	-	Steel
Front clamp band	Fin	ish	Painted	-	Painted	-	Painted
Rear clamp hand	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Rear clamp band, base bracket	Finish		Painted	Painted	Painted	Painted	Painted
a.	Mate	erial	-	-	-	-	-
Clamp screw	Fin	ish	-	-	-	-	-
Out of Bala	Mate	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Outer link	Fin	ish	Painted	Painted	Painted	Painted	Painted
I	Mate	erial	Aluminum	Steel	Steel	Steel	Steel
Inner link	Fin	ish	Painted	Painted	Painted	Painted	Painted
Chain and de	Mate	erial	Steel	Steel	Steel	Steel	Steel
Chain guide	Fin	ish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
California	Mate	erial	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Fin	ish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting	Mate	erial	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw	Fin	ish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) direct type	(band type w/ screw)	: L size,	-	-	-	-	-
No	te		SHIMANO logo				

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Crankset

Model no.	Series		DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE	DURA-ACE
Color								FC-9000
Color 2								Series color
Rear speeds	Color							-
Compatible chain								11
Compatible chain No. 1-speech	near speeds		12	12	12	12		
Spider/gear arms			·	·		·	11-speed	LINKGLIDE, HG 11-speed
Chaining combination								43.5
Chaining combination	P.C.D. (mm)		110	110	110	110	110	110
The companies of the	Spider/gear arms		4	4	4	4		4
Crank grmplength	Chainring combination		46-36T, 50-34T, 52-36T, 54-40T		50-34T, 52-36T	50-34T	50-34T, 52-36T, 53-39T, 54-42T, 55-42T	50-34T, 52-36T, 52-38T, 53-39T, 54-42T, 55-42T
Crank grimpength 160	Q-factor (mm)		148	148	148	150		146
The content of the								-
Crank arm length 167.5	Crank arm length (mm)					./	./	1
Crank prompleng (mm) length (1
172.5								
17.5								1
177.5		172.5	✓	1	1	1	1	1
180		175	1	1	1	1	1	1
Optional chain With chain guard Without chajn/bash		177.5	✓	-	-	-	✓	✓
Millout chajn/bash Millout	<u> </u>	180	-	-	-	-	1	✓
Building	Optional chain guard	With chain guard	-	-	-	-	-	-
Part		Without chain/bash guard	1	1	1	1	1	1
MOLLOWFECH crank arm	HOLLOWTECH II		✓	✓	✓	-	✓	✓
Noting	2-PIECE CRANKSET		-	-	-	1	-	-
MOLLOWGLIDE			1	1	1	-	1	1
MOLLOWGLIDE			-		-	-	-	-
Compatible botton Finish Contact Compatible botton Compatible botton Compatible botton Compatible botton Compatible botton Compatible Compati			1	1	_	_	1	1
Comparable bottom Finish					,			1
Square Finish Plated	Compatible bottom bracket type							-
Recommended bottom bracket SM-BBR60 SM-BBR60 SM-BBR60 SM-BBR60 SM-BBR501 BB-R5501 BB-R9100 BB SM-BBR2-41B SM				-				
Debtom bracket Press-Fit SM-B892-41B SM-B872-41B SM-B872-41B SM-B872-41B SM-B872-41B SM-B872-41B SM-B872-41B SM-B872-41B SM-B892-41B		•		CAA DDDCO				-
Axkel length of Bs-UNFS (mm) - -	bottom bracket							BB-R9100
Threaded bottom bracket min width 70				SM-8872-418	SM-8872-418		SM-8892-418	SM-BB92-41B
Crank arm Material Finish Aluminum Aluminum <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td>				-	-		-	-
Crank arm Material Finish Aluminum Aluminum <td rowspan="2">Threaded bottom bracket shell width (mm)</td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td>1</td> <td>1</td>	Threaded bottom bracket shell width (mm)					7	1	1
Finish Anodized		70	1	1	✓	1	✓	1
Finish Anodized	Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Finish Plated		Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Spider arm Material -	Crank axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
Spider arm cover		Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm cover	Spider arm	Material	-	-	-	-	-	-
Spider arm cover		Finish	-	-	-	-	-	-
Spider arm cover	Spider arm cover		-	-	-	-	-	-
Material			-	-	-	-	-	-
Finish Anodized	Middle ring		Aluminum/CFRP (except 46-36T), Aluminum (46-36T)	Aluminum/CFRP (except 46-36T), Aluminum (46-36T)	Aluminum+GFRP	Aluminum+Resin	Aluminum/CFRP	Aluminum+CFRP or GFRP
Material -		Finich			Anodized	Painted	Anodized	Anodized
Middle ring Finish -								
Material Aluminum								-
Name of the latter of the la								-
Outer/middle ring fixing bolt								Aluminum
Finish Anodized								Anodized
Material - - - - - - - - -	Outer/middle ring fixing bolt				Stainless Steel	Stainless Steel		Aluminum
Finish - - - - - - - - -			Anodized	Anodized	-	-	Anodized	Anodized
Crank fixing screw included Average weight (g) (170 mm, w/o bottom bracket) 693 (46-36T) 685 (50-34T) 692 (52-36T) 770 (50-34T) 7711 (52-36T) 714 (54-40T) 754 (50-34T) 754 (50-34T) 755 (50-34T) 756 (50-34T) 624 (52-36T) 625 (63-39T) 642 (54-42T) 632 639	Inner ring fixing		-	-	-	-	-	-
Average weight (g) (170 mm, w/o bottom bracket) 693 (46-36T) 685 (50-34T) 702 (46-36T) 700 (50-34T) 700 (50-34T) 610 624 (52-36T) 624 (52-36T) 626 (53-39T) 626 (53-39T) 618 622 (52-36T) 618 618 618 618 618 618 618 632 639	Fillisti		-	-	-	-	-	-
Average weight (g) (170 mm, w/o bottom bracket) 693 (46-36T)	Crank fixing screw included		1	1	1	1	1	1
	Average weight (g) (170 mm, w/o bottom bracket)		685 (50-34T) 692 (52-36T)	702 (46-36T) 700 (50-34T) 711 (52-36T)	754 (50-34T)	-	614 (50-34T) 624 (52-36T) 626 (53-39T) 642 (54-42T) 650 (55-42T)	610 (50-34T) 618 (52-36T) 622 (52-38T) 618 (53-39T) 632 (54-42T) 639 (55-42T)
Note	No	te						

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Crankset

Ser	ies	ULTEGRA	SHIMANO 105	SHIMANO	DURA-ACE	SHIMANO 105	SHIMANO 105
Mode	el no.	FC-R8000	FC-R7000	FC-RS510	FC-7710	FC-5750	FC-5703
	1	Series color	Silky black	Black	Series color	Black	Black
Color	2	-	Spark silver	- Didek	-	-	-
Rear s		11	11	11	1	10	10
Compatil		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	1/2 x 1/8, 1/2 x 3/32	HG 10-speed	HG 10-speed (for 3x10s)
Chain lir	ne (mm)	43.5	43.5	43.5	42.5	43.5	45
P.C.D.		110	110	110	144	110	130/74
Spider/ge		4	4	4	5	5	5
Chainring co		46-36T, 50-34T,	50-34T, 52-36T,	46-36T, 50-34T,	45T to 55T (1/2 x 1/8,	50-34T	50-39-30T
Q-facto		52-36T, 53-39T 146	53-39T 146	52-36T 150	1/2 x 3/32) 136.3	146	154.76
	160	-	1	_	_	_	-
	165	1	1	1	1	1	1
	167.5	_	<u> </u>	_	1	-	-
		-	-	-	1	- ·	1
Crank arm length (mm)	170		<u> </u>				1
	172.5	1		1	1	<u>, , , , , , , , , , , , , , , , , , , </u>	-
	175	1	√	1	1	✓	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
Optional chain	With chain guard	-	-	-	-	-	-
· guard	Without chain/bash guard	1	✓	1	1	✓	✓
HOLLOV		✓	✓	-	-	✓	1
2-PIECE C	RANKSET	-	-	✓	-	-	-
HOLLOWTEC	H crank arm	✓	✓	-	✓	✓	✓
ОСТА	LINK	-	-	-	1	-	-
HOLLOV	WGLIDE	√ , - (46-36T)	-	-	-	-	-
	Outboard	✓	✓	✓	-	✓	✓
Compatible bottom bracket type	OCTALINK	-	-	-	1	-	-
	Square	-	-	-	-	-	-
Recommended	Threaded (normal)	SM-BBR60	SM-BBR60	BB-RS501	BB-7710, BB-7700	SM-BB5700	SM-BB5700
bottom bracket	Press-Fit	SM-BB72-41B	SM-BB72-41B	BB-RS500-PB	-	SM-BB71-41B	SM-BB71-41B
Axle length of I	BB-UN/ES (mm)	-	-	-	109.5	-	-
Threaded bottom	68	1	✓	1	1	1	1
Threaded bottom bracket shell width (mm)	70	1	✓	1	1	1	1
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Steel	Steel	Steel	-	Steel	Steel
Crank axle	Finish	Plated	Plated	Plated	-	Plated	Plated
	Material	-	-	-	-	-	-
Spider arm	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum+CFRP or Aluminum (46-36T only)	Aluminum+GFRP	Aluminum+Resin	Aluminum	Aluminum	Aluminum
- 2.cig	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Allouizeu		Allouizeu	-	- Allouizeu	Aluminum
Middle ring	Finish	-	-	-	-	-	Anodized
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Inner ring	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Alluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outer/middle ring fixing bolt	Finish	Anodized	- Stainless steel	-	- Stainless steel	-	-
Innor ring fiving	Material	-	-	-	-	-	Stainless steel
Inner ring fixing screw	Finish	-	-	-	-	-	-
Crank fixing s		1	√	1	1	√	1
Average weight (g) (668 (46-36T) 674 (50-34T) 681 (52-36T)	713.4 (50-34T) 742.6 (52-36T) 757.8 (53-39T)	908 (50-34T)	566 (52T, 1/2 inch x 1/8 inch)	716	831
No		690 (53-39T)	(180-00)				

Crankset

Serio Model Color		SHIMANO	TIAGRA	TIAGRA	SHIMANO	SORA	I CODA
			1		JIIIVIANO	JONA	SORA
Color	no.	FC-CX50	FC-4700	FC-4703	FC-RS400	FC-R3030	FC-R3030-CG
	1	Silver	Series color	Series color	Black	Series color	Series color
	2	Black	-	-	=	-	-
Rear sp	eeds	10	10	10	10	9	9
Compatib	le chain	HG 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG 9-speed	HG 9-speed
Chain line	e (mm)	43.5	43.5	45	43.5	45	45
P.C.D. (mm)	110	110	110/74	110	110/74	130/74
Spider/ge	ar arms	5	4	4	5	4	5
Chainring co	mbination	46-36T	48-34T, 50-34T, 52-36T	50-39-30T	50-34T	50-39-30T	50-39-30T
Q-factor	· (mm)	150	150	158.8	150.3	158.8	158.8
	160	-	-	-	_	-	-
-	165	-	1	√	-	1	1
-	167.5	_	-	-	_	_	-
	170	1	1	1	1	1	1
Crank arm length (mm)	172.5	→	1		-	_	-
-	175	→	1		1	1	1
-							
-	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
Optional chain guard	With chain guard	-	-	-	-	-	1
guard	Without chain/bash guard	✓	✓	✓	✓	✓	-
HOLLOW	TECH II	-	-	-	-	-	-
2-PIECE CR	ANKSET	1	1	1	1	1	1
HOLLOWTECH	l crank arm	-	-	-	-	-	-
OCTAL	INK	-	-	-	-	-	-
HOLLOW		-	-	-	_	-	-
	Outboard	1	1	1	J	1	1
Compatible bottom bracket type	OCTALINK	-	-	-		-	-
ргаскет туре	Square		_	-		-	_
	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501		BB-RS501	BB-RS501
Recommended bottom bracket	Press-Fit	SM-BB71-41B	BB-RS500-PB	BB-RS500-PB		BB-RS500-PB	BB-RS500-PB
Aula lawath of D				BB-N350U-FB			-
Axle length of B			-	-		-	
Threaded bottom bracket shell width (mm)	68	· ·	1	1		1	1
(mm)	70	√	<i>J</i>	√	-	√	√
Crank arm	Material	Aluminum	Aluminum	Aluminum		Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	-	Steel	Steel
	Finish	Plated	Plated	Plated	-	Plated	Plated
Spider arm	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Spider arm cover	Material	-	-	-	-	-	-
-p.ac. a cover	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum/Resin (48-34T), Aluminum/ GFRP (50-34T, 52-36T)	Aluminum+GFRP	Aluminum	Aluminum+Resin	Aluminum+Resin
	Finish	Anodized	Anodized+Painted (48-34T), Anodized (50-34T, 52-36T)	Anodized	Anodized	Anodized	Anodized
Middle ring	Material	-	-	Aluminum	-	Steel	Steel
uic iiig	Finish	-	-	Anodized	-	Painted	Painted
Inner ring	Material	Aluminum	Aluminum	Steel	Aluminum	Steel	Steel
inner ring	Finish	Anodized	Anodized	Plated	Anodized	Painted	Painted
Outer/middle ring	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outer/middle ring fixing bolt	Finish	-	-	-	-	-	-
Inner ring fixing screw	Material	-	-	Stainless steel	-	Stainless steel	Stainless steel
	Finish	-	-	-	-	-	-
Inner ring fixing screw	1111311		1	√	1	1	1
	Crank fixing screw included Average weight (g) (170 mm, w/o bottom bracket)			-			
Crank fixing sci		√ 798	-	-	-	-	-

ST

BL

BR

BR

BR

ВС

BR

FD

FC

BB BB

CS HB

FH

WH

WH

ST

ST

SW

RD FD

Crankset

Mode Process Process	Ser	ies	SORA	SORA	SHIMANO	CLARIS	CLARIS	CLARIS
Color								
Res	Wode							
Secondarity	Color							
Campatible chain 149-speed 148-speed 148-spee	Rear s		9	9		8	8	8
Chain line from)			HG 9-speed		HG 9-speed			
Spider France	Chain lin	ne (mm)		-		-	-	
Chainring combination	P.C.D.	(mm)	110	110	110	110/74	110/74	110
Part	Spider/g	ear arms	4	5	5	4	4	4
Test	Chainring c	ombination	50-34T	50-34T	50-34T	50-39-30T	50-39-30T	50-34T
165	Q-facto	or (mm)	150	150	152.2	158.8	158.8	150
Crank arm length (mm) 167.3 <td></td> <td>160</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>		160	-	-	-	-	-	-
Crank arm length 170		165	1	1	-	1	1	✓
172.5		167.5	-	-	-	-	-	-
17.5	Crank arm length	170	1	1	✓	1	1	1
177.5	(mm)	172.5	-	-	-	-	-	-
180		175	1	1	✓	1	✓	✓
Optional chain With chain guard		177.5	-	-	-	-	-	-
Mithout chain/bash		180	-	-	-	-	-	-
MOLLOWTECH II	Optional chain	With chain guard	-	1	1	-	1	-
HOLLOWTECH II	guard	Without chain/bash	1	-	1	1	-	1
Application	HOLLOV		-	-	-	-	_	-
OCTALINK			1	1	-	1	1	1
OCTALINK	HOLLOWTEC	CH crank arm	-	-	_	-	-	-
Motor			-	-	1	-	-	-
Compatible bottom Bracket type			-	-	-	-	-	-
Square Threaded (normal) BB-RS501 BB-RS500 BB-RS501 BB-RS01 BB-RS501 BB-RS01 BB-R		Outboard	1	1	-	1	1	1
Square Threaded (normal) BB-RS501 BB-RS500 BB-RS501 BB-RS01 BB-RS501 BB-RS01 BB-R	Compatible bottom	OCTALINK	-	-	1	-	-	-
Recommended bottom bracket Press-Fit BB-RS501 BB-RS501 BB-RS501 BB-RS501 BB-RS501 BB-RS501 BB-RS501 BB-RS501 BB-RS500-PB PS-PATE PATE P	bracket type		-	-	-	-	-	-
Axial length of BB-UN/ES (mm) - - - - - - - - - - - - - - - - - - - - - - - - - -	Pocommondod	Threaded (normal)	BB-RS501	BB-RS501	BB-ES300	BB-RS501	BB-RS501	BB-RS501
Threaded byttom bracket shell width 70	bottom bracket	Press-Fit	BB-RS500-PB	BB-RS500-PB	-	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB
Crank arm Material Finish Aluminum Aluminum <td>Axle length of</td> <td>BB-UN/ES (mm)</td> <td>-</td> <td>-</td> <td>113</td> <td>-</td> <td>-</td> <td>-</td>	Axle length of	BB-UN/ES (mm)	-	-	113	-	-	-
Crank arm Material Finish Aluminum Aluminum <td>Threaded bottom</td> <td>68</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td>	Threaded bottom	68	1	1	1	1	1	1
Crank arm Finish Painted Steel Steel Steel Steel Steel Steel Steel Plated	(mm)	70	1	1	1	1	1	1
Finish Painted Paint		Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank axle Finish Plated Plated - Plated Plated<	Crank arm	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Finish	Cuanti auta	Material	Steel	Steel	-	Steel	Steel	Steel
Spider arm cover	Crank axie	Finish	Plated	Plated	-	Plated	Plated	Plated
Spider arm cover	Spider arm	Material	-	-	-	-	-	-
Spider arm cover Finish	opiuer arm	Finish	-	-	-	-	-	-
Outer ring Material Aluminum+Resin Aluminum+Resin Aluminum Steel+Resin Steel+Resin Steel+Resin	Spider arm cover	Material	-	-	-	-	-	-
Outer ring Finish Anodized Anodized Anodized Painted Painted Painted	Spider dilli tovel	Finish	-	-	-	-	-	-
Middle ring Material - - - Steel Steel -	Outer ring	Material	Aluminum+Resin	Aluminum+Resin	Aluminum	Steel+Resin	Steel+Resin	Steel+Resin
Middle ring Finish Inner ring Material Steel Stainless steel	Cate inig	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
Inner ring Inner ring fixing bolt Inner ring fixing screw included Finish Average weight (g) (170,mm, w/o bottom) Material Steel Stainless steel	Middle rina	Material	-	-	-	Steel		
Painted Pain		Finish	-	-	-	Painted	Painted	-
Finish Painted Paint	Inner rina	Material			Steel	Steel		
Trinish Inner ring fixing bolt Finish Crank fixing screw included Average weight (g) (170 mm, w/o bottom) Finish Finish	· ····•							
Inner ring fixing screw included Average weight (g) (170 mm, w/o bottom) Material Stainless steel - Stainless steel Stainless steel	Outer/middle ring							
Finish - - - - - - - - -	namy boil				-			
Crank fixing screw included Average weight (g) (170 mm, w/o bottom bracket)	Inner ring fixing		Stainless steel					Stainless steel
Average weight (g) (170 mm, w/o bottom Dracket)								
			1	1	1	1	1	1
Note w/ Chain guard spec.	Average weight (g) (170 mm, w/o bottom ket)	-	-	-	-	-	-
•	No	ote		w/ Chain guard spec.				

ST

Crankset

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

ST SL BL BL BR BR BR BR BR ВС RD FD FC FC ВВ ВВ CS НВ

FH

WH

WH

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FD

Crankset (Power Meter)

Sei	ries		DURA-ACE	DURA-ACE	ULTEGRA
Model no.		FC-R9200-P	FC-R9100-P	FC-R8100-P	
Chainring combination		50-34T, 52-36T, 54-40T, w/o chainrings	50-34T, 52-36T, 53-39T, w/o chainrings	50-34T, 52-36T, w/o chainrings	
160		/ *	-	√ *	
		7.5	✓ (50-34T, 52-36T, w/o chainrings) ✓ *	√ *	-
Crank arm length		7.5 70	7	4	-
(mm)		2.5	1	1	1
	175 177.		1	√	1
		7.5 30	√ *	/ *	-
		t side	✓	1	1
Force measurement		side	1	1	1
	ser	of strain sor	24	24	24
Cadence measurement		gnet ometer	-	-	-
	cy (%)	ometer	±1.5	±2	±2
LED for sys	stem status		1	1	1
Number of co			1	1	1
Zero offset		ol button evice	1	1	1
Active temperatu		sation	1	1	1
	Туре	Lithium ion	✓	1	1
Battery		Coin cell	-	-	-
ваттегу		fe ng port	270 h	300 h or longer	270 h
		ig cable	EW-EC300	Included	EW-EC300
Firmware update k	y E-TUBE P	ROJECT	1	1	1
Di2 connectivity wired	Di2 sh	ifting	-	-	-
		ifting	-	-	-
	Bluetoot h® LE	Cycling power	1	1	1
	ANT+	Bicycle power	✓	1	1
		Adjust mode informat ion	-	-	-
		Di2 battery level Gear	-	-	-
	l	position	-	-	-
	Bluetoot h® LE custom (*1)	SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-
Di2 connectivity wireless		Compati ble with E-TUBE RIDE	1	1	1
		Compati ble with E-TUBE PROJECT	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) SD300 port (pcs)		0	0	0
SD300 p			0	0	0
SD300 coni			0	0	0
Average weight (g) (170 mm, w/o bottom bracket)		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	Note *1 Compatible with a Bluetooth LE		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 pro	ofile. *2 Cor	npatible not freely	* w/o chainrings	* w/o chainrings	* w/o chainrings
open profile.*3 Will connected to SHIMA bil	order computer and smartphone/tablet but not freely open profile. 2 Compatible with ANT - cycle computer but not freely open profile. 3 HIMANO E-BIKE SYSTEMS blke.		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 Ah	Chemistry: Li-ion Rated voltage: 3.7 V Rated capacity: 0.66 Ah
			Rated capacity: 2.442 Wh	Rated capacity: 2.442 Wh	Rated capacity: 2.442 Wh

Bottom Bracket (HOLLOWTECH II)

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

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	-	✓
Threaded bottom	68	1	-
bracket shell width (mm)	70	1	-
Press-Fit bottom bracket shell width (mm)	86.5	-	1
Small bal	l bearing	-	-
A -14	Material	Aluminum	Resin
Adapter	Finish	Anodized	-
Average v	veight (g)	92	71
No	ote		

ST

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ВВ

BB

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HP

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SW

RD

Bottom Bracket

Sa	ries		DURA-ACE	DURA-ACE	SHIMANO 105
Model no.			BB-7700	BB-7710	BB-5500
IVIOU					
	Hollo	w pipe	1	1	1
Spindle	ОСТА	ALINK	✓	1	✓
	Squar	e type	-	-	-
	109.5	68 (BC1.37)	✓	1	√ (for double)
		70 (M36)	✓	-	√ (for double)
	MM110	68 (BC1.37)		-	-
		70 (M36)	-	-	-
	LL113	68 (BC1.37)	-	-	-
Axle length/shell width (mm)		70 (M36)	-	-	-
	113	68 (BC1.37)	-	-	-
		70 (M36)	-	-	-
		(BC1.37)	-	-	√ (for triple)
		70 (M36)	-	-	√ (for triple)
	121	68 (BC1.37)	-	-	-
a : "	Mat	erial	Steel	Steel	Steel
Spindle	Fir	ish	Plated	Plated	Plated
	Mat	erial	Aluminum	Aluminum	Aluminum
Left hand adapter	Fir	nish	Anodized	Anodized	Anodized
Average v	veight (g)		173	244	-
No	ote			For track	

ST

Cassette

Sei	ries	DURA-ACE	ULTEGRA	ULTEGRA
Mode	el no.	CS-R9200-12	CS-R8101-12	CS-R8100-12
Ту	ре	HYPERGLIDE+	HYPERGLIDE+	HYPERGLIDE+
Rear s	peeds	12	12	12
Compati	ble chain	HG 12-speed	HG 12-speed	HG 12-speed
Combination nar	me (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 italiiulii gear	4	-	-	-
	5	-	-	-
	6	-	-	-
	7	-	-	-
	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)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	2	2	2
arm '	Finish	Anodized	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steer spider ann	Finish	-	-	-
Titanium gear	QTY (pcs)	5 (11-30T), 6 (11-34T)	0	0
Trainain gear	Finish	Titanium	-	-
Aluminum gear	QTY (pcs)	0	0	0
Adminium gear	Finish	-	-	-
Steel gear	QTY (pcs)	7 (11-30T), 6 (11-34T)	12	12
Jieei geai	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Aluminum	Aluminum	Aluminum
Lock Hilly	Finish	Anodized	Anodized	Anodized
Average v	weight (g)	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
	ible 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	-	-	-
	3	-	-	-
Combination * Titanium gear	4	-	-	-
	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	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)	-	-	-
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
Carbon spider arm	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	1	1	1
arm '	Finish	Anodized	Anodized	Anodized
Steel spider arm	QTY (pcs)	-	-	-
steer spider ann	Finish	-	-	-
Titanium gear	QTY (pcs)	0	0	0
	Finish	-	-	-
Aluminum gear	QTY (pcs)	0	0	0
Addition year	Finish	-	-	-
Steel gear	QTY (pcs)	12	12	12
steer gear	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Steel	Steel	Steel
LOCK TITIS	Finish	Nickel plated	Nickel plated	Nickel plated
	weight (g)	361	361	391
N	ote			

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Sei	ries	DURA-ACE	ULTEGRA	SHIMANO
Mode	el no.	CS-R9100	CS-R8000	CS-HG800-11
Ту	pe	HG-EV	HG-EV	HG-EV
Rear s	peeds	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	-
ritainain gear	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)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	✓	✓	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	✓
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	1	1	-
Carbon spider ann	Finish	-	-	-
Aluminum spider	QTY (pcs)	1	1	2
arm	Finish	Anodized	Anodized	Anodized
Steel spider arm	QTY (pcs)	-	-	-
Steel spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	5	0	0
ritainain gear	Finish	Titanium	-	-
Aluminum gear	QTY (pcs)	0	0	0
Adminium year	Finish	-	-	-
Steel gear	QTY (pcs)	6	11	11
Steel year	Finish	Nickel plated	Nickel plated	Nickel plated
Lock ring	Material	Aluminum	Aluminum	Aluminum
LOCK TITIS	Finish	Anodized	Anodized	Anodized
Average weight (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
Ту	pe	HG-EV	HG-EV	HG
Rear s	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
	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	✓	-	-
Spanie Spa	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	✓	✓
	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)	-	-	-
Steel spider ann	Finish	-	-	-
Titanium gear	QTY (pcs)	0	0	0
Titaliiaiii geai	Finish	-	-	-
Aluminum gear	QTY (pcs)	0	0	0
Aluminum 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 Illig	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)
L No	ote			

Cassette

Sei	ries	SHIMANO	SHIMANO
Mode	el no.	CS-HG500-10	CS-HG50-9
Ty	pe	HG	HG
Rear s	peeds	10	9
Compati	ble chain	HG-X 10-speed/HG 10-speed/CN-HG500	HG 9-speed
Combination nar	me (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
	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
	5	-	-
	6	-	-
	7	-	-
	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-
Spinic type	HG spline M (10/9/ 8-speed, MTB 11-speed)	✓	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)	0	0
Titamum gear	Finish	-	-
Aluminum gear	QTY (pcs)	0	0
Aluminum gear	Finish	-	-
Steel gear	QTY (pcs)	10	9
Jeer gear	Finish	Nickel plated	Nickel plated
Lock ring	Material	Steel	Steel
Lock iiiig	Finish	Nickel plated	Nickel plated
	weight (g)	-	-
No	ote	· ·	

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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
	1 Quick release	Series color	Silver	Silver	Series color	Black	-
Color	2 Hub shell	-	-	-	-	Spark silver	-
	2 Quick release	-	-	-	-	Black	-
Brake	type	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	-	-	-	-	-
l	28H	1	1	1	-	-	-
Spoke hole	32H	1	1	1	1	1	1
l	36H	1	1	1	1	1	1
Axle fixing		Quick release	Nut	Nut	Quick release	Quick release	12 mm E-THRU
	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	_	-	1	1	-
	100 x 8	-	-	-	-	-	-
Thru ayla (langth y	100 x 12	_	_	_	_	_	1
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	_	-	-	-
,	110 x 20	_	-	-	-	_	_
Flange dist		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	-	-	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	-
Quick release	Material	Anodized	-	-	Aluminum	Aluminum	-
housing	Finish	Silver	-	-	Anodized	Anodized	-
	Material	Anodized	-	-	Resin	Resin	-
Quick release nut	Finish	Silver	-	-	Black	Black	-
Radial	lacing	1	-	-	1	1	-
Average weight (g)		120	298 (rear w/ lock ring), 203 (front)	313 (rear LF w/ lock ring) 241 (front LF)	158	155	165
No	rte	* 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.	O.L.D. (mm)		100	100	100
	24H	-	-	-	-
	28H	1	1	1	1
Spoke hole	32H	✓	✓	1	✓
	36H	1	1	-	1
Axle fixin	g method	12 mm E-THRU	Quick release	12 mm E-THRU	Quick release
Quick release	129	-	-	-	✓
Quick release skewer length (mm)	133	-	1	-	✓
	100 x 8	-	-	-	-
Thru 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 dian	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	ment system	-	-	-	-
	Stainless ball	-	-	-	-
Bearing	Cup	CBN	Polish	Polish	-
	Cone	CBN	CBN	CBN+Polish	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized
A I -	Material	Aluminum	Steel	Aluminum	Steel
Axle	Finish	Anodized	-	-	-
Outals malassas lasses	Material	-	Aluminum	-	Aluminum
Quick release lever	Finish	-	Painted	-	Painted
Ouick release	Material	-	Aluminum	-	Steel
Quick release housing	Finish	-	Painted	-	Painted
Out down	Material	-	Resin	-	Resin
Quick release nut	Finish	-	Black	-	Black
Radial	lacing	-	✓	1	✓
Average weight (g)	(w/o axle and lock	125	-		-
No	te	-		-	

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FREEHUB (Rim/Disc Brake)

	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
	1 Quick release	Series color	Series color	Black	Black	-	Black
Color	2 Hub shell	-	-	Spark silver	-	-	Silver
	2 Quick release	-	-	Black	-	-	Black
	-				CENTER LOCK disc	CENTER LOCK disc	
Brake	type	Rim brake	Rim brake	Rim brake	brake	brake	Rim brake
Rear s	peeds	11/10 *	11/10 *	11/10 *	11/10 *	11/10 *	11/10
O.L.D.	(mm)	130	130	130	142	142	130
	24H	1	-	-	-	-	-
	28H	1	-	-	-	1	1
Spoke hole	32H	1	1	1	1	1	1
	36H	·	1	1	1	1	1
Frataural sauration	With	-	-	-	-	_	_
External serration disc brake rotor lock		-	-	-	-	-	-
ring	Without			-			
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
ring	Without	-	-	-	1	1	-
CENTER LOCK mo	unt cover option	-	-	-	✓	-	-
Axle fixin	g method	Quick release	Quick release	Quick release	12 mm E-THRU	12 mm E-THRU	Quick release
	161	-	-	-	-	-	-
	163	1	1	1	-	-	1
Quick release	166	-	-	-	-	-	-
Quick release skewer length (mm)	168	1	1	1	-	-	1
	170	-	-		-	-	-
	173	-	-	-	-	-	-
		-	-	-	-	-	-
	135 x 10	-	-	-		-	-
Thru axle (length x inner diameter ;	135 x 12		-		-		
inner diameter ; mm)	142 x 12	-		-	1	1	-
	148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-
Flange dist	ance (mm)	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 /	right (mm)	44/45	44/45	44/45	44/45	44/45	44/45
Flange diameter	left / right (mm)	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)	-	-	_	_	_	_
Spline type	HG spline L (ROAD 12/11-speed)	✓	✓	✓	✓	✓	✓
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	_	-
	HG spline S (7-speed)	-	_	-	-	-	_
						C	
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre		√	√	✓	1	-	✓
Digital adjust	•	✓	✓	-	-	-	-
	Stainless ball	✓	-	-	-	-	-
Bearing	Cup	CBN	Polish	Polish	Polish	CBN	Polish
	Cone	CBN	CBN	CBN	CBN	CBN	CBN
EDEELIUM LL.	Material	Titanium	Steel	Steel	Steel	Steel	Steel
FREEHUB body	Finish	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Material	Aluminum	Aluminum	Steel	Steel	Aluminum	Steel
Axle	Finish	Anodized	Anodized	-	-	Anodized	-
	Material	Aluminum	Aluminum	Aluminum	-	-	Aluminum
Ouick release lever					-	-	
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
, Crouse nuc	Finish	Anodized	Black	Black	-	-	Black
Disc brake rotor lock ring	Material	-	-	-	-	-	-
ring	Finish	-	-	-	-	-	-
Radial	,	-	-	-	-	-	-
Average weight () (w/o axle, quick	247	330	368	361	302	-
Average weight (g) (w/o axle, quick release nor lock ring) Note		* Can be used for 10-speed with an additional spacer ** Aero spoke hole available *** Flange Distance:56.5, Dish:9.95(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	el no.	FH-RS470	FH-RS300
	1 Hub shell	Black	Silver
Color	1 Quick release	-	Silver
Coloi	2 Hub shell	-	Black
	2 Quick release	-	Black
Brake	type	CENTER LOCK disc brake	Rim brake
Rear s	-	11/10 *	10/9/8
O.L.D.		142	130
	24H 28H	-	-
Spoke hole	32H	1	
	36H	-	
External serration	With	-	-
External serration disc brake rotor lock ring	Without	-	-
Internal serration disc brake rotor lock	With	-	-
ring	Without	✓	-
CENTER LOCK mo	· ·	-	-
Axle fixin	ř	12 mm E-THRU	Quick release
	161 163	-	<u> </u>
Outals and the con-	166	-	- -
Quick release skewer length (mm)	168	-	1
	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	-	-
Flange dist	150 x 12	- 55.7	57.9
Offset		7.45	8.4
	right (mm)	44/45	45
Flange diameter	-	52.8/53.8	53.8
	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	1	-
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	
		-	.
	HG spline S (7-speed)	-	-
Seal	Hub	Contact	Contact
	FREEHUB body	Contact	Contact
Internal gro		1	
Digital adjust	tment system Stainless ball	-	-
Bearing	Cup	Polish	-
	Cone	CBN	-
EDEETIID podu	Material	Steel	Steel
FREEHUB body	Finish	-	-
Hub shell	Material	Aluminum	Aluminum
	Finish	Anodized	Anodized
Axle	Material	Steel -	Steel
	Finish Material	- -	Aluminum
Ouick release lever	Finish	-	Painted
	Color	-	Black
Ouick release	Material	-	Steel
Quick release housing	Finish	-	Painted
Quick release nut	Material	-	Resin
	Finish	-	Black
Disc brake rotor lock ring	Material	-	-
Radial	Finish	-	-
	g) (w/o axle, quick r lock ring) ote	* Can be used for 10-speed with an additional spacer	-

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Wheel (Disc Brake)

Ser	ries	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Model 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	cation 1 Hub shell	F Series color	R Series color	F Series color	R Series color	Series color	R Series color
	1 Quick release	-	-	-	-	-	- Series Color
Color	2 Hub shell	=	=	=	-	-	-
	2 Quick release		-			<u>-</u>	
Front	/Kear	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	type	brake	brake	brake	brake	brake	brake
Rear s		-	12	-	12	-	12
O.L.D.		100	142	100	142	100	142
Whee	Type	700C Tubular	700C Tubular	622 x 21C (700C) Tubeless	622 x 21C (700C) Tubeless	700C Tubular	700C Tubular
Tire	Recommended size	25-28" - 32-28"	25-28" - 32-28"	25-622 - 32-622	25-622 - 32-622	25-28" - 32-28"	25-28" - 32-28"
	Height (mm)	60	60	60	60	50	50
	Internal width (mm)	-	-	21	21	-	-
	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
	Straight pull				7	7	7
Spokes	Bladed	1	1	1	1	1	1
	Butted	201020	201020	201020	201020	201520	201520
Avla fivin	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
	133					-	
Quick release skewer length (mm)	163	-	-	-	-	-	-
skerrer length (iiii)	168	-	-	-	-	-	-
Thru axle (length x	100 x 8 100 x 12	-	-	-	-	-	-
inner diameter ; mm)	142 x 12		1	-	1	-	1
	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated) HG spline L (ROAD 12/11-speed)	-	√	-	1	-	1
	HG spline L (ROAD	-	_	_	_		-
Spline type	12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/ 8-speed, MTB	-	-	-	-	-	-
	i i i-speed) i						
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen		-	Direct engagement	-	Direct engagement	-	Direct engagement
Bearing	Stainless ball Cup	✓ CBN	CBN	√ CBN	CBN	CBN	CBN
bearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	CENTER LOCK	√	~	~	1	1	1
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-	-
	i 140 mm disc brake i	1	1	1	1	1	1
OPTBA	rotor compatible	1	1	1	,	-	1
	rim	7	1	1	1	1	7
Digital adjust			-	-	-		-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
Internal gro	FREEHUB body	-	Contact	-	Contact	-	Contact
	Material	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
Rim	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Spoke	Material Finish	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish Material	Series color Aluminum	Series color Aluminum	Series color Aluminum	Series color Aluminum	Series color Aluminum	Series color Aluminum
Nipple	Finish	Series color	Series color	Series color	Series color	Series color	Series color
FREEHUB body	Material	•	Aluminum	•	Aluminum	-	Aluminum
	Finish Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Hub shell	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Axle	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
AVIC	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever	Material Finish	-	-	-	-	-	-
Quick release	Material	-	-	-	-	-	-
housing	Finish	-	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-	-
	Finish ooke protector	-	CP-WR92C	-	- CP-WR92C	-	- CP-WR92A
Compannie sp		CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
	JIS/CPSC	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW	RR-550-WUW SW
Deflectes	AS	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Reflector	- 15	RR-550-WUA SW	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
Reflector							
	DIN	CATEYE RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW	RR-317-WUA SW
	DIN w/o quick release, rim valve stem, lock ring) ste		RR-317-WUA SW	RR-317-WUA SW 751	RR-317-WUA SW 858		

Wheel (Disc Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Mode	el no.	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		WH-R9270-C50-TL F	WH-R9270-C50-TL	WH-R9270-C36-TU F	WH-R9270-C36-TU	WH-R9270-C36-TL F	WH-R9270-C36-TL
Specifi	1 Hub shell	Series color	R Series color	Series color	R Series color	Series color	R Series color
Color	1 Quick release 2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front	/Rear	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	CENTER LOCK disc brake	CENTER LOCK disc brake	brake	brake	brake
Rear s O.L.D.	peeds (mm)	100	12 142	100	12 142	100	12 142
	el size	622 x 21C (700C)	622 x 21C (700C)	700C	700C	622 x 21C (700C)	622 x 21C (700C)
Tire	Type Recommended size	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubular 25-28" - 32-28"	Tubular 25-28" - 32-28"	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622
	Height (mm)	50	50	36	36	36	36
	Internal width (mm) External width (mm)	21 28	21 28	- 28	- 28	21 28	21 28
Rim	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	- 	- -
	Requires rim tape Number	24	24	24	24	24	24
Carlos	Straight pull	1	1	1	1	1	1
Spokes	Bladed Butted	1	1	1	1	1	1
A	Diameter (mm)	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0	2.0-1.5-2.0
	g method 133	12 mm E-THRU -	12 mm E-THRU -	12 mm E-THRU -	12 mm E-THRU -	12 mm E-THRU -	12 mm E-THRU -
Quick release skewer length (mm)	163	-	-	-	-	-	-
	168 100 x 8	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	1	-	1	-	1	-
	142 x 12 MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD	-	1	-	1	-	1
	HG spline L (ROAD	-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed) HG spline M (10/9/ 8-speed, MTB 11-speed) HG spline S (7-speed)	_		_		_	
	8-speed, MTB 11-speed)	-	-	-	-	-	-
	(7-3Deed)	-	-	-	-	-	-
Engagen	ent type Stainless ball	-	Direct engagement	-	Direct engagement	-	Direct engagement
Bearing	Cup	CBN	CBN	CBN	CBN	CBN	CBN
	Cone CENTER LOCK	CBN	CBN	CBN ✓	CBN	CBN ✓	CBN
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-	-
Disc mount	140 mm disc brake rotor compatible	1	1	1	1	1	1
OPTBA	L (2:1)	-	,	-	,	-	· /
D2	rim	1	1	1	1	1	✓
	ment system Hub	Contact	Contact	Contact	Contact	Contact	Contact
Seal Internal gro	FREEHUB body	-	Contact	-	Contact	-	Contact
Rim	ease sieeve Material	- Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
NIII	Finish Material	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel
Spoke	Finish	Series color	Series color	Series color	Series color	Series color	Series color
Nipple	Material Finish	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color	Aluminum Series color
FREEHUB body	Material	Series color -	Aluminum	Series color -	Aluminum	Series color -	Aluminum
	Finish Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Hub shell	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	-	-	-	-	-	-
Quick release	Finish Material	-	-	-	-	-	-
housing	Finish	-	-	-	-	-	-
Quick release nut	<u>Material</u> Finish	-	-	-	-	-	-
Compatible sp	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	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	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 CATEYE
Avorago violabt (=) (DIN	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 (g) (v tape, tubeless tape, v No	valve stem, lock ring)	674	787	522	632	620	730
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Wheel (Disc Brake)

Ser	ries	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA	ULTEGRA
Mode	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
Model		WH-R8170-C60-TL	WH-R8170-C60-TL	WH-R8170-C50-TL	WH-R8170-C50-TL	WH-R8170-C36-TL	WH-R8170-C36-TL
Specifi	ication 1 Hub shell	F Series color	R Series color	F Series color	R Series color	F Series color	R Series color
Color	1 Quick release	-	-	-	-	-	-
Color	2 Hub shell 2 Quick release	-	-	-	-	-	-
Front		Front	Rear	Front	Rear	Front	Rear
Brake	type	CENTER LOCK disc brake					
Rear s		-	12/11	-	12/11	-	12/11
O.L.D. Whee		100 622 x 21C (700C)	142 622 x 21C (700C)	100 622 x 21C (700C)	142 622 x 21C (700C)	100 622 x 21C (700C)	142 622 x 21C (700C)
Tire	Type Recommended size	Tubeless 25-622 - 32-622					
	Height (mm)	60	60	50	50	36	36
	Internal width (mm) External width (mm)	21 28	21 28	21 28	21 28	21 28	21 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	1
-1-2	Butted	7	1	1	7	7	7
Axle fixin	Diameter (mm) g method	2.0-1.6-2.0 12 mm E-THRU					
Ouick release	133	-	-	-	-	-	-
Quick release skewer length (mm)	163 168	-	-	-	-	-	-
Thru axle (length x inner diameter ;	100 x 8 100 x 12	-	-	-	-	-	-
mm)	142 x 12	-	1	-	1	-	1
	MICRO SPLINE HG spline 12 (ROAD	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated) HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	12/11-speed) HG spline M (10/9/	-	1	-	1	-	1
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagen	nent type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Bearing	Stainless ball Cup	Polish	Polish	Polish	Polish	Polish	Polish
	Cone CENTER LOCK	CBN	CBN	CBN	CBN	CBN	CBN
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-	-
Disc mount	140 mm disc brake rotor compatible	1	1	1	1	1	1
OPTBA	AL (2:1)	-	1	-	1	-	1
D2 Digital adjust	rim tment system	-	-	-	√	√	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
Internal gro	FREEHUB body ease sleeve	-	Contact ✓	-	Contact ✓	-	Contact ✓
Rim	Material	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
	Finish Material	Painted Stainless steel					
Spoke	Finish Material	Series color Aluminum					
Nipple	Finish	Series color					
FREEHUB body	Material Finish	-	Steel	-	Steel	-	Steel
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Axle	Finish Material	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release lever	Finish	-	-	-	-	-	-
Quick release housing	Material Finish	-	-	-	-	-	-
Quick release nut	Material	-	-	-	-	-	-
	Finish ooke protector	-	- CP-WR81A	-	- CP-WR81A	-	- CP-WR81A
	JIS/CPSC	CATEYE RR-550-WUW SW					
Reflector	AS	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
nenector		RR-550-WUA SW CATEYE					
Average weight (a) (c	N/o quick release rim	RR-317-WUA SW					
Average weight (g) (v tape, tubeless tape, v No	valve stem, lock ring)	738	911	698	872	657	831
NC NC	ne	1		<u> </u>	<u> </u>	<u> </u>	l

Wheel (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	DURA-ACE	DURA-ACE
Mode	el no.	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-R9170-C60-TU- R12
Model		WH-RS710	WH-RS710	WH-RS710	WH-RS710	WH-R9170-C60-TU	WH-R9170-C60-TU
Specifi	cation 1 Hub shell	C32-TL-F Black	C32-TL-R Black	C46-TL-F Black	C46-TL-R Black	F12 Series color	R12 Series color
Color	1 Quick release	-	-	-	-	-	-
Color	2 Hub shell 2 Ouick release	-	-	-	-	-	-
Front		Front	Rear	Front	Rear	Front	Rear
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
Rear s O.L.D.		- 100	12/11 142	- 100	12/11 142	100	11/10 * 142
Whee	el size	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	622 x 21C (700C)	700C	700C
Tire	Type Recommended size	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubeless 25-622 - 32-622	Tubular 23-28" - 28-28"	Tubular 23-28" - 28-28"
	Height (mm)	32	32	46	46	60	60
	Internal width (mm) External width (mm)	21 28	21 28	21 28	21 28	- 28	28
Rim	Rim joint Brazed	-	-	-	-	-	-
	reinforcement OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	1	1	✓	1	-	-
	Number Straight pull	24	24	24	24	24 •	24 •
Spokes	Bladed	1	1	✓	1	1	1
	Butted Diameter (mm)	√ 2.0-1.6-2.0	2.0-1.6-2.0	√ 2.0-1.6-2.0	2.0-1.6-2.0	√ 2.0-1.8-2.0	√ 2.0-1.8-2.0
Axle fixin	g method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU
Quick release skewer length (mm)	133 163	-	-	-	-	-	-
	168 100 x 8	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	1	-	1	-	1	-
	142 x 12 MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Calina tuna	HG spline L (ROAD	-	1	-	1	-	✓
Spline type	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	-	-
	HG Spline S	_		_			
Fngagem	(7-speed) ent type	-	Pawl ratchet	-	Pawl ratchet	-	-
	Stainless ball	-	-	-	-	/	√
Bearing	Cup Cone	Polish CBN	Polish CBN	Polish CBN	Polish CBN	CBN CBN	CBN CBN
	CENTER LOCK CENTER LOCK	1	1	1	1	1	✓
Disc mount	mount cover option 140 mm disc brake	-	-	-	-	-	-
OPTBA	rotor compatible	√	-	√	√	-	1
D2	rim	√	1	√	1	√	1
Digital adjust	ment system Hub	- Contact	- Contact	- Contact	- Contact	- Contact	- Contact
Seal	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal gro	ease sieeve Material	- Carbon	- Carbon	- Carbon	- Carbon	√ Carbon	√ Carbon
Rim	Finish Material	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel	Painted Stainless steel
Spoke	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material Finish	Aluminum Black	Aluminum Black	Aluminum Black	Aluminum Black	Aluminum Silver	Aluminum Silver
FREEHUB body	Material Finish	-	Steel	-	Steel	-	Titanium
Hub shell	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	Material Finish	-	-	-	-	-	-
Quick release nut	Material	•	-	•	-	-	-
	Finish	-	CP-	-	CP-	-	-
Compatible sp	ooke protector	-	WH24(11-28,30,32,3 4T) CP-WR71A(11-36T)	-	WH24(11-28,30,32,3 4T) CP-WR71A(11-36T)	-	CP-W1460
	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	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Average weight (g) (v tape, tubeless tape, v		RR-317-WUA SW 665	RR-317-WUA SW 839	RR-317-WUA SW 719	RR-317-WUA SW 893	RR-317-WUA SW 678	RR-317-WUA SW 829
1					233	2,0	* The adapter is
No	ote						needed to use 10-speed cassette

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SW

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Wheel (Disc Brake)

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-RS370-TL-F12	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	WH-RS370-TL	WH-RS171-CL	WH-RS171-CL	WH-RX010-CL	WH-RX010-CL
Specifi		F12	R12	F12-700c	R12-700c	F	R
6.1	1 Hub shell 1 Quick release	Black -	Black -	Black -	Black -	Black Black	Black Black
Color	2 Hub shell	-	-	-	-	-	-
Front	2 Quick release /Rear	- 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
Rear s	• •	brake -	<u>brake</u> 11/10 *	brake -	brake 11/10 *	brake -	brake 11/10 *
O.L.D.	(mm)	100	142	100	142	100	135
Whee	el size Type	622 x 19C (700C) Tubeless	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 - 45-622	28-622 - 42-622	28-622 - 42-622	25-622 - 38-622	25-622 - 38-622
	Height (mm) Internal width (mm)	19 19	19 19	19 19	19 19	24	24
	External width (mm)	23.4	23.4	24.6	24.6	23	23
Rim	Rim joint Brazed	Welded	Welded	Sleeve	Sleeve	Sleeve	Sleeve
	reinforcement	-	-	-	-	-	-
	OFFSET RIM Requires rim tape	-	-	-	-	-	-
	Number	24	24	28	28	28	28
Spokes	Straight pull Bladed	-	-	-	-	-	-
Spokes	Butted	-	-	-	-	-	-
Axle fixin	Diameter (mm)	2.0-1.8-2.0 12 mm F-THRII	2.0-1.8-2.0 12 mm E-THRU	2 12 mm F-THRII	2 12 mm E-THRU	Quick release	Quick release
	g metnoa 133	12 mm E-THRU -	12 IIIII E-I MKU -	12 mm E-THRU -		Quick release	Quick release -
Quick release skewer length (mm)	163	-	-	-	-	-	-
Thru axle (length x	168 100 x 8	-	-	-	-	-	-
inner diameter ; mm)	100 x 12	1	-	1	-	-	-
""""	142 x 12 MICRO SPLINE	-	-	-	√	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (RQAD	-	1	-	1	-	1
Spline type	HG spline L (ROAD 12/11-speed) HG spline M (10/9/ 8-speed, MTB		•		•		•
		-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	ent type			-	Pawl ratchet	-	Pawl ratchet
Bearing	Stainless ball Cup	- Polish	- Polish	- Polish	Polish	Polish	- Polish
Dearing	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	CENTER LOCK CENTER LOCK	1			-	-	-
Disc mount	l mount cover option l	-	-	-	-	-	-
	140 mm disc brake rotor compatible	1	✓	1	1	1	1
OPTBA D2		-	-	-	-	-	-
Digital adjust	ment system			-	-	-	-
Seal	Hub FREEHUB body	Contact	Contact Contact	Contact	Contact Contact	Contact	Contact Contact
Internal gr	ease sleeve	1	✓	1	1	1	1
Rim	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized (black)	Aluminum Anodized (black)
Spoke	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
-	Finish Material	Black Aluminum	Black Aluminum	Black Brass	Black Brass	Black Brass	Black Brass
Nipple	Finish	Black	Black	Silver	Silver	Silver	Silver
FREEHUB body	Material Finish	-	Steel	-	Steel	-	Steel
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	<u>Material</u> Finish	Aluminum -	Steel -	Aluminum -	Aluminum -	Steel -	Steel -
Quick release lever	Material	-	-	-	-	Aluminum	Aluminum
•	Finish Material	-	-	-	-	Painted Steel	Painted Steel
Quick release housing	Finish	-	-	-	-	Painted	Painted
Quick release nut	Material Finish	-	-	-	-	Resin Black	Resin Black
			CP-FH08 (23T-28T		CP-FH08 (23T-28T		
Co	oko protosta:		11-speed) CP-WH41 (23-30T		11-speed) CP-WH41 (23-30T		CP-FH08/CP-WH12 (11-speed), CP-FH40/
Compatible sp	ove biotector	•	10-speed)	-	10-speed)	-	CP-FH41/CP-WH12
			CP-WH12 (32T 11/ 10-speed)		CP-WH12 (32T 11/ 10-speed)		(10-speed)
	JIS/CPSC	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Defication		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
Average weight (g) (v tape, tubeless tape, v	v/o quick release, rim	890	1090	897	1098	982	1177
			* The adapter is		* The adapter is		* The adapter is
No	ote	-	needed to use 10-speed cassette		needed to use		needed to use
			10-speed cassette		10-speed cassette		10-speed cassette

FH

WH

WH

HP

SW

RD

SMAD

Wheel (Rim Brake)

Series		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE
Mode	el 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-
Model	l 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	ication	F	R	F	R	F	R
•	1 Hub shell	Series color	Series color	Series color	Series color	Series color	Series color
Color	1 Quick release	Series color	Series color	Series color	Series color	Series color	Series color
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
	:/Rear	Front	Rear	Front	Rear	Front	Rear
	type	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
	speeds	-	12 130	-	12	-	12
	. (mm) el size	100 700C	700C	100 700C	130 700C	100 700C	130 700C
VVIICE	Type	Tubular	Tubular	Tubular	Tubular	Tubular	Tubular
Tire	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)	60	60	50	50	36	36
	Internal width (mm)	-	-	-	-	-	-
	External width (mm)	28	28	28	28	28	28
Rim	Rim joint	-	-	-	-	-	-
	Brazed reinforcement	-	-	-	-	-	-
	OFFSET RIM	-	-	-	-	-	-
	Requires rim tape	-	-	-	-	-	-
	Number	16	21	16	21	16	21
	Straight pull	1	1	1	1	1	✓
Spokes	Bladed	1	1	1	1	1	1
	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
Quick release	133	1	-	1	-	1	-
Quick release kewer length (mm)	163	-	1	-	1	-	1
Thurs and a Clauseth or	168	-	1	-	1	-	✓
Thru axle (length x inner diameter ;	100 x 12	-	-	-	-	-	-
mm)	142 x 12 MICRO SPLINE	-	-	-	-	-	-
			_	-			
	HG spline L2 (ROAD 12-speed dedicated)	-	1	-	1	-	1
Calina tuna	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
Spline type	HG spline M (10/9/ 8-speed, MTB	-	-	-	-	-	-
-	11-speed)						
	HG spline S	-	-	-	-	-	-
Engagen		-	- Direct engagement	-	- Direct engagement	-	- Direct engagemer
Engagen	HG spline S (7-speed)				- Direct engagement ✓		Direct engagemen
Engagen Bearing	HG spline S (7-speed) nent type Stainless ball Cup	-	Direct engagement	- ✓ CBN	√ CBN	- CBN	✓ CBN
	HG spline S (7-speed) nent type Stainless ball Cup Cone	- CBN CBN	Direct engagement CBN CBN	- CBN CBN	CBN CBN	- CBN CBN	CBN CBN
	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK	- ✓ CBN	Direct engagement ✓ CBN	- ✓ CBN	√ CBN	- CBN	✓ CBN
	HG spline S (7-speed) nent type Stainless ball Cup Cone	- CBN CBN	Direct engagement CBN CBN	- CBN CBN	CBN CBN	- CBN CBN	CBN CBN
Bearing	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake	- CBN CBN -	Direct engagement CBN CBN -	CBN CBN	CBN CBN	CBN CBN	CBN CBN
Bearing Disc mount	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible	- CBN CBN CBN -	Direct engagement CBN CBN	CBN CBN	CBN CBN -	CBN CBN	CBN CBN
Bearing Disc mount	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible	-	Direct engagement CBN CBN -	-	CBN CBN -	-	CBN CBN -
Bearing Disc mount OPTBA	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible	-	Direct engagement CBN CBN	-	CBN CBN	-	CBN CBN -
Bearing Disc mount OPTBA D2 Digital adjust	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible LL (2:1) rim	-	Direct engagement CBN CBN	-	- - - - - -	-	CBN CBN
Bearing Disc mount OPTBA	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK MOUNT COVET option 140 mm disc brake rotor compatible AL (2:1) rim tment system	-	Direct engagement CBN CBN	- CBN CBN	- - - - -	- CBN CBN	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust	HG spline S (7-speed) nent 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	-	Direct engagement CBN CBN Contact Contact Contact	- Contact	CBN CBN Contact Contact	CBN CBN Contact	CBN CBN Contact Contact -
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK MOUNT cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material	- Contact - Carbon	Direct engagement CBN CBN Contact Contact Carbon	CBN CBN Contact - Carbon	CBN CBN Contact Contact Contact Contact Cortact	- Contact - Carbon	CBN CBN Contact Contact Contact Cortact Cortact
Bearing Disc mount OPTBA D2 Digital adjust	HG spline S (7-speed) nent 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	- Contact - Carbon Painted	Direct engagement CBN CBN Contact Contact Carbon Painted	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact Contact Carbon Painted	CBN CBN Contact - Carbon Painted	CBN CBN Contact Contact Contact Carbon Painted
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Material	CBN CBN Contact - Carbon Painted Stainless steel	Carbon Painted Stainless steel	CBN CBN Contact - Carbon Painted Stainless steel	CBN CBN Contact Contact Contact - Carbon Painted Stainless steel	CBN CBN Contact - Carbon Painted Stainless steel	CBN CBN Contact Contact Contact Carbon Painted Stainless steel
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gro	HG spline S (7-speed) nent 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 Material Finish	- CBN CBN	Direct engagement CBN CBN Contact Contact Carbon Painted Stainless steel Series color	- CBN CBN	CBN CBN Contact Contact Carbon Painted Stainless steel Series color	CBN CBN Contact - Carbon Painted Stainless steel Series color	CBN CBN Contact Contact Carbon Painted Stainless steel Series color
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gro	HG spline S (7-speed) nent 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 Material	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum	Direct engagement CBN CBN Contact Contact Contact Contact Stainless steel 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	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple	HG spline S (7-speed) nent 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 Material Finish	- CBN CBN	Direct engagement CBN CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color	- CBN CBN	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 Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Series color
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal grown Rim Spoke	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CONE CENTER LOCK CONE CENTER LOCK MAL (2:1) Tim Tim Tim Tim Timent system Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	Direct engagement CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Stainless steel Aluminum Series color	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Stainless steel Aluminum Series color	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal grown Rim Spoke Nipple FREEHUB body	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	Direct engagement CBN CBN CBN - - CONTACT CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum	CBN CBN CBN CBN CGN CGN CGN 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	CBN CBN CBN CBN CGN CGN CGN 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
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible LL (2:1) rim Hub FREEHUB body ease sleeve Material Finish Material Finish Material Finish Material Finish Material Finish	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	Direct engagement CBN CBN CBN - - CONTACT CONTACT CONTACT CARDON Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color	CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum	Direct engagement CBN CBN CBN Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN CBN CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum	CBN CBN	CBN CBN CBN CBN CGN CGN COntact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal grown Rim Spoke Nipple FREEHUB body	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible LL (2:1) rim Hub FREEHUB body ease sleeve Material Finish	- CBN CBN	Direct engagement CBN CBN CBN - - CONTACT CONTACT CONTACT CARDON Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized	CBN CBN Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized	CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal growth of the seal Spoke Nipple FREEHUB body Hub shell Axle	HG spline S (7-speed) nent 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 Aluminum	Direct engagement CBN CBN CBN - - Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	HG spline S (7-speed) hent 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 Carbon Painted Stainless steel Steries color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN CBN CBN CBN CBN CBN CBN CB	CBN CBN CBN CBN - Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	CBN CBN CBN CBN CGN CONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN CBN CBN CBN CBN CBN CBN CBN	CBN CBN CBN CBN CBN CBN CCONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN	CBN CBN CBN CBN CONTACT Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing	HG spline S (7-speed) nent 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	Direct engagement CBN CBN CBN - - CONTACT CONTACT CONTACT CONTACT Series color Aluminum Anodized	CBN 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	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
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever	HG spline S (7-speed) hent 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	Direct engagement 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	CBN CBN	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	HG spline S (7-speed) hent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK Mount cover option 140 mm disc brake rotor compatible L (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish	- CBN CBN CBN	Direct engagement CBN CBN CBN - - COBN COBN CBN - COBBN CBN CBN CBN CBN CBN CBN C	CBN CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN	CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	HG spline S (7-speed) ent 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 CBN CBN CGN CGN COntact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Series color	Direct engagement CBN CBN CBN - - Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum	CBN CBN CBN CBN CBN CBN CGN CGN COntact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Series color	CBN CBN	CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Series color	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Compatible sp	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK 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	Cabn CBN CBN CBN CBN CGN Contact Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color Contact Cateye	Direct engagement CBN CBN CBN - - COBN COBN - COTACT Contact Contact Contact Contact Aluminum Anodized Aluminum COBO CO	CBN CBN CBN CBN CBN CBN CBN CCONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum 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 Anodized Aluminum Series color CATEYE RR-550-WUW SW	CBN CBN	CBN CBN CBN CBN CBN CBN CBN CCONTACT CONTACT Carbon Painted Stainless steel Series color Aluminum 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 Anodized Aluminum Anodized Aluminum Series color CATEYE RR-550-WUW SW	CBN CBN
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Moterial Finish	CBN CBN CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Content Aluminum Anodized Aluminum Series color CATEYE RR-550-WUW SW	Direct engagement CBN CBN CBN - - Contact Contact Contact Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Carbon Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUM SW CATEYE RR-550-WUA SW	CBN CBN CBN CBN CBN Contact - Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Correct Aluminum Anodized Aluminum Correct CATEYE RR-550-WUW SW	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUM SW CATEYE RR-550-WUA SW	CBN	CBN CBN CBN Contact Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUA SW
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Compatible sp	HG spline S (7-speed) nent 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 Moterial Finish Moterial Finish Moterial Finish Material Finish Material Finish Material Finish Material Finish Material Finish Material Finish Moterial Finish	CBN CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color - Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact	Direct engagement CBN CBN CBN - - Contact Contact Contact Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Cortext Carbon Aluminum Anodized Aluminum Series color CP-W124 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 Anodized Aluminum Contact Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact Aluminum Anodized Aluminum Series color CP-W124 CATEYE RR-550-WUW SW CATEYE	CBN CBN CBN Contact Carbon Painted Stainless steel Series color Aluminum Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Carbon Anodized Aluminum Anodized Aluminum Carbon Ca	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
Bearing Disc mount OPTBA D2 Digital adjust Seal Internal gr Rim Spoke Nipple FREEHUB body Hub shell Axle Quick release lever Quick release housing Quick release nut Compatible sp	HG spline S (7-speed) nent type Stainless ball Cup Cone CENTER LOCK CENTER LOCK CENTER LOCK mount cover option 140 mm disc brake rotor compatible AL (2:1) rim tment system Hub FREEHUB body ease sleeve Material Finish Moterial Finish	CBN	Direct engagement 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-WUM SW CATEYE RR-550-WUA SW CATEYE	CBN CBN CBN CBN CBN CBN CODA CODA CODA CODA CODA CODA CODA COD	CBN CBN CBN Contact Contact Contact - Carbon Painted Stainless steel Series color Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Anodized Aluminum Contact - Carbon Aluminum Anodized Aluminum Series color CP-W124 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 Series color CP-W124 CATEYE RR-550-WUW SW CATEYE RR-550-WUM SW

Ver. 2.7, Jun. 25, 2024, SHIMANO INC.

Wheel (Rim Brake)

Ser	ies	DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	SHIMANO	SHIMANO
Mode	el no.	WH-R9100-C60-TU-F	WH-R9100-C60-TU-R	WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL-F	WH-RS700-C30-TL-R
Model	name	WH-R9100-C60-TU	WH-R9100-C60-TU-R	WH-R9100-C40-TU-F	WH-R9100-C40-TU-R	WH-RS700-C30-TL	WH-RS700-C30-TL
Specifi		F Sorios solor	R Sories solar	F Sories solor	R Sories solor	F	R
	1 Hub shell 1 Quick release	Series color Series color	Series color Series color	Series color Series color	Series color Series color	Silver Silver	Silver Silver
Color	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
Front		Front	Rear Pim brake	Front Rim brake	Rear Rim brake	Front Pim brake	Rear Rim brake
Brake Rear s		Rim brake -	Rim brake 11/10 *	- Kim brake	11/10 *	Rim brake -	11/10 *
O.L.D.		100	130	100	130	100	130
Whee		700C	700C	700C	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"	Tubular 23-28" - 28-28"	Tubeless 23-622 - 32-622	Tubeless 23-622 - 32-622
	Height (mm)	60	60	37	37	24	31
	Internal width (mm)	-	-	-	-	15	15
	External width (mm)	28	28	28	28	20.8	20.8
Rim	Rim joint Brazed	-	-	-	-	Welded	Welded
	reinforcement	-	-	-		-	-
	OFFSET RIM Requires rim tape	-	-	-	-	-	1
	Number	16	21	16	21	16	21
	Straight pull	1	1	1	1	1	1
Spokes	Bladed	1	1	1	1	1	1
	Butted Diameter (mm)	2.0-1.8-2.0	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
Axle fixin		Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
	133	✓ ✓	-	✓ ✓	-	✓ ✓	-
Quick release skewer length (mm)	163	-	1	-	1	-	1
_	168	-	√	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12 142 x 12	-	-	-	-	-	-
111111)	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	=	=	-	-	-	-
	HG spline L (ROAD	_	1	_	1	_	1
Spline type	12/11-speed) HG spline M (10/9/	-	•	_	•	_	•
	8-speed, MTB 11-speed)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	_	-	_	-
Engagem		-	Pawl ratchet	_	Pawl ratchet	_	Pawl ratchet
	Stainless ball	1	1	1	1	1	-
Bearing	Cup	CBN	CBN	CBN	CBN	CBN	CBN
	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	CENTER LOCK CENTER LOCK	-	-	-	-	-	-
Disc mount	mount cover option 140 mm disc brake			-		-	
	rotor compatible	-	-	-	-	-	-
OPTBA	, ,	-	1	-	1	-	1
D2 Digital adjust		1	1	1	1	-	-
	Hub	Contact	Contact	Contact	Contact	Contact	Contact
Seal	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal gre		Carbon	Carbon	Carbon	Carbon	✓ Carban (A)	✓ Carban Al
Rim	Material Finish	Carbon Painted	Carbon Painted	Carbon Painted	Carbon Painted	Carbon+AL Painted	Carbon+AL Painted
Casha	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Spoke	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Silver -	Silver Titanium (rear)	Silver -	Silver Titanium (rear)	Black -	Black Steel
FREEHUB body	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
3.1.0.1	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Axle	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Outek volesses leves	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Quick release lever	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release housing	Material Finish	Aluminum Anodized	Aluminum	Aluminum	Aluminum	Aluminum Anodized	Aluminum
	Material	Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Resin	Anodized Resin
Quick release nut	Finish	Series color	Series color	Series color	Series color	Black	Black
Compatible sp	oke protector		CP-W124	-	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	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
nenector	АЭ	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
Average weight (g) (v tape, tubeless tape, v	v/o quick release, rim	666	830	637	747	616	924
			* The adapter is		* The adapter is		* The adapter is
l No	te	-	needed to use 10-speed cassette	-	needed to use 10-speed cassette		needed to use 10-speed cassette
110							

ВВ

НВ

WH

WH

ΗP

SW

RD

FD

SMAD

Wheel (Rim Brake)

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	Model no.		WH-RS500-TL-R	WH-RS300-CL-F	WH-RS300-CL-R	WH-RS330-CL-F	WH-RS330-CL-R
Model		WH-RS500-TL	WH-RS500-TL	WH-RS300-CL	WH-RS300-CL	WH-RS330-CL	WH-RS330-CL
Specifi	cation 1 Hub shell	F Silver	R Silver	F Black	R Black	F Black	R Black
Color	1 Quick release	Silver	Silver	Black	Black	Black	Black
Color	2 Hub shell	-	-	-	-	-	-
Front	2 Quick release	Front	- Rear	- Front	- Rear	- Front	- Rear
Brake		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Rear s	peeds	-	11/10 *	-	11/10 *	-	11/10 *
O.L.D. Whee		100	130	100 622 x 17C (700C)	130 622 x 17C (700C)	100 622 x 15C (700C)	130 622 x 15C (700C)
	Type	622 x 15C (700C) Tubeless	622 x 15C (700C) Tubeless	Clincher	Clincher	Clincher	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) Internal width (mm)	24 15	24 15	24 17	24 17	30 15	30 15
	External width (mm)	20.8	20.8	23.2	23.2	20.8	20.8
Rim	Rim joint	Welded	Welded	Sleeve	Sleeve	Sleeve	Sleeve
	Brazed reinforcement	✓	✓	-	-	-	-
	OFFSET RIM	-	1	-	1	-	1
	Requires rim tape Number	- 16	- 20	18-622 16	18-622 20	√ 16	√ 21
	Straight pull	16 ✓	20 ✓	√ ·	Z 0	16 ✓	Z1 ✓
Spokes	Bladed	1	1	1	1	1	1
	Butted	/	✓	√	/	1	✓
Axle fixin	Diameter (mm)	2.0-1.5-2.0 Quick release	2.0-1.8-2.0 Quick release	2 Quick release	2 Quick release	2 Quick release	2 Quick release
	133	✓ ✓	-	✓ ✓		✓	-
Quick release skewer length (mm)	163	-	1	-	1	-	1
	168	-	√	-	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12 142 x 12	-	-	-	-	-	-
,	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	1	-	1	-	1
Spline type	HG spline M (10/9/						
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	-	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	ent type	-	Pawl ratchet	-	Pawl ratchet	-	Pawl ratchet
Bearing	Stainless ball Cup	- Polish	- Polish	- Polish	- Polish	- Polish	- Polish
Dearing	Cone	CBN+Polish	CBN+Polish	CBN	CBN	CBN+Polish	CBN+Polish
	CENTER LOCK	-	-	-	-	-	-
Disc mount	CENTER LOCK mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-
ОРТВА	L (2:1)	-	-	-	-	-	1
D2 Digital adjust		-	-	-	-	-	-
Digital adjust	Hub	✓ Contact	Contact	Contact	Contact	Contact	Contact
Seal	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal gro		√	√	√	√	√	√
Rim	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Black	Aluminum Black	Aluminum Painted	Aluminum Painted
Cno!	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Spoke	Finish	Black	Black	Black	Black	Black	Black
Nipple	Material Finish	Aluminum Black	Aluminum Black	Aluminum Black anodized	Aluminum Black anodized	Aluminum Black	Aluminum Black
EDEELING !	Material	- Black	Steel	-	Steel	- Black	Steel
FREEHUB body	Finish	-	-	-	-	-	-
Hub shell	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum	Aluminum
A1 .	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Axle	Finish	Anodized	Anodized	-	-	=	-
Quick release lever	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum	Aluminum
Quick release	Finish Material	Anodized	Anodized	Anodized	Anodized	Aluminum	Aluminum
housing	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick release nut	Material	Resin	Resin	Resin	Resin	Resin	Resin
	Finish	Black	Black CP-WH23 (23-28T)	Black	Black	Black	Black
Compatible sp	oke protector	-	CP-W120 (32T) CP-W020 (10-speed)	-	CP-WH23 (23-28T) CP-W120 (32T)	-	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
	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 quick release rim	705	944	770	1057	875	1176
Average weight (g) (v	/alve stem. lock ring)	703	344				
Average weight (g) (v tape, tubeless tape, v		703	* The adapter is needed to use	7.0	* The adapter is needed to use		* The adapter is needed to use

Wheel (Rim Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	WH-RS100-CL-F	WH-RS100-CL-R	WH-RS010-CL-F	WH-RS010-CL-R	WH-R501-A-CL-F	WH-R501-A-CL-R
Model	name	WH-RS100-CL	WH-RS100-CL	WH-RS010-CL	WH-RS010-CL	WH-R501-A-CL	WH-R501-A-CL
Specifi		F	R	F	R	F	R
6-1	1 Hub shell 1 Quick release	Black Black	Black Black	Black Black	Black Black	Black Black	Black Black
Color	2 Hub shell	=	-	-	-	Silver	Silver
F	2 Quick release	-	- D	Black	Black	Black	Black
Front Brake		Front Rim brake	Rear Rim brake	Front Rim brake	Rear Rim brake	Front Rim brake	Rear Rim brake
Rear s		-	11/10 *	-	11/10 *	-	10/9/8
O.L.D.		100	130	100	130	100	130
Whee	Type	622 x 17C (700C) Clincher	622 x 17C (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	17 23.2	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	18-622	1	1	1	✓
	Number	20	24	20	24	20	24
Spokes	Straight pull Bladed	-	-	-	-	-	-
Spokes	Butted	-	-	-	-	-	-
	Diameter (mm)	2	2	2	2	2	2
Axle fixin		Quick release					
Quick release skewer length (mm)	133 163	-	-	√	-	-	-
	168	-	1	-	1	-	1
Thru axle (length x inner diameter ;	100 x 12	-	-	-	-	-	-
mm)	142 x 12	-	-	-	-	-	-
	MICRO SPLINE HG spline L2 (ROAD)	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	1	-	✓	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	-	-	-	-	1
	11-speed) HG spline S						
F	(7-speed)	-	- David satabat	-	Parril match at	-	- David satabat
Engagem	Stainless ball	-	Pawl ratchet -	-	Pawl ratchet	-	Pawl ratchet
Bearing	Cup	Polish	Polish	Polish	Polish	Polish	Polish
	Cone	CBN	CBN	CBN	CBN	CBN	CBN
	CENTER LOCK CENTER LOCK	-	-	-	-	-	-
Disc mount	mount cover option	-	-	-	-	-	-
	140 mm disc brake rotor compatible	-	-	-	-	-	-
OPTBA		-	-	-	-	-	-
D2 Digital adjust		-	-	-	-	-	-
Seal	Hub	Contact	Contact	Contact	Contact	Contact	Contact
	FREEHUB body	-	Contact	-	Contact	-	Contact
Internal gr	Material	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum	- Aluminum
Rim	Finish	Black	Black	Anodized	Anodized	Anodized	Anodized
Spoke	Material	Stainless steel					
Spoke	Finish Material	Black Brass	Black Brass	Black	Black	Black	Black
Nipple	Finish	Silver	Silver	Brass Silver	Brass Silver	Brass Silver	Brass Silver
FREEHUB body	Material	-	Steel	-	Steel	-	Steel
Body	Finish	- Al	-	-	- A la	-	- Al
Hub shell	Material Finish	Aluminum Painted	Aluminum Painted	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized	Aluminum Anodized
Aula	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	-	-	-	-	-	-
Quick release lever	Material Finish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
Quick release	Material	Steel	Steel	Steel	Steel	Steel	Steel
Quick release housing	Finish	Black	Black	Painted	Painted	Painted	Painted
Quick release nut	Material	Resin	Resin	Resin	Resin	Resin	Resin
	Finish	Black	Black	Black	Black	Black	Black CP-FH06
Compatible sp	ooke protector	-	CP-WH24 CP-FH53 (34T)	-	CP-WH24 CP-FH53 (34T)	-	CP-FH31 CP-FH46 CP-WH24
	JIS/CPSC	CATEYE RR-550-WUW SW					
Reflector	AS	CATEYE RR-550-WUA SW					
	DIN	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE	CATEYE
Average weight (a) (RR-317-WUA SW					
Average weight (g) (w/o quick release, rim tape, tubeless tape, valve stem, lock ring)		827	1105 * The adapter is	818	1102 * The adapter is	820	1069

Wheel (Rim Brake)

Se	ries	SHIMANO	SHIMANO
Mod	el no.	WH-R501-CL-F	WH-R501-CL-R
	l name	WH-R501-CL	WH-R501-CL
Specif	ication 1 Hub shell	F Black	R Black
	1 Quick release	Black	Black
Color	2 Hub shell	Silver	Silver
	2 Quick release	Black	Black
	:/Rear e type	Front Rim brake	Rear Rim brake
	speeds	-	10/9/8
	. (mm)	100	130
Whee	el size	622 x 15C (700C)	622 x 15C (700C)
Tire	Type Recommended size	Clincher 23-622 - 32-622	Clincher 23-622 - 32-622
	Height (mm)	24	24
	Internal width (mm)	15	15
	External width (mm)	20.8	20.8
Rim	Rim joint Brazed	Sleeve	Sleeve
	Brazed reinforcement	-	-
	OFFSET RIM Requires rim tape	-	-
	Number	20	24
	Straight pull	-	-
Spokes	Bladed	-	-
	Butted Diameter (mm)	2	2
Axle fixin	g method	Quick release	Quick release
0	133	1	-
Quick release skewer length (mm)	163	-	✓
Thru axle (length x	168 100 x 12	-	/
Thru axle (length x inner diameter ; mm)	142 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/		_
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-	✓
	HG spline S (7-speed)	-	-
Engagen	nent type	-	Pawl ratchet
	Stainless ball	-	-
Bearing	Cup Cone	Polish CBN	Polish CBN
	CENTER LOCK	-	-
Disc mount	CENTER LOCK mount cover option	-	-
Disc mount	140 mm disc brake		_
OPTR/	rotor compatible AL (2:1)	-	_
	rim	-	-
Digital adjus	tment system	-	-
Seal	Hub	Contact	Contact
Internal or	FREEHUB body ease sleeve	-	Contact
	Material	Aluminum	Aluminum
Rim	Finish	Anodized	Anodized
Spoke	Material Finish	Stainless steel Black	Stainless steel
-	Material	Brass	Black Brass
Nipple	Finish	Silver	Silver
FREEHUB body	Material	-	Steel
	Finish Material	- A I	- A1
Hub shell	Finish	Aluminum Anodized	Aluminum Anodized
Aula	Material	Steel	Steel
Axle	Finish	-	-
Quick release lever	Material Finish	Aluminum	Aluminum
Quick release	Finish Material	Painted Steel	Painted Steel
housing	Finish	Painted	Painted
Quick release nut	Material	Resin	Resin
	Finish	Black	Black CP-FH06
Compatible sp	ooke protector	-	CP-FH06 CP-FH31 CP-FH46 CP-WH24
	JIS/CPSC	CATEYE RR-550-WUW SW	CATEYE RR-550-WUW SW
Reflector	AS	CATEYE RR-550-WUA SW	CATEYE RR-550-WUA SW
	DIN	CATEYE RR-317-WUA SW	CATEYE RR-317-WUA SW
Average weight (g) (w/o quick release, rim valve stem, lock ring)	820	1069

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Head Parts

Ser	DURA-ACE	
Mode	el no.	HP-7410
Si	ze	JIS, ENGLISH
Thr	ead	BC 1 x 24 T.P.I.
Sealed cartri	dge bearings	1
Stack hei	ght (mm)	37.6
La ele monte	Material	Aluminum
Lock nut	Finish	Anodized
	Material	Aluminum
Upper / Lower cups	Finish	Anodized
Umman atam aana	Material	Aluminum
Upper stem cone	Material Finish	Anodized
Stem cone	Material	Aluminum
Stem cone	Finish	Anodized
Average v	veight (g)	101
No	ote	

Shift/Brake Lever (Hydraulic Disc Brake)

Ser	ies		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
Color		1	Series color	Series color				
Color		2	-	-	-	-	-	-
Shifte	r type		DUAL CONTROL LEVER	DUAL CONTROL LEVER				
Remote	switch		✓	1	1	1	-	-
	Brake h	ose (kit)	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
	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-R9270	BR-R9270	BR-R8170	BR-R8170	BR-R7170	BR-R7170
Brake lever	C	Dil	SHIMANO Mineral	SHIMANO Mineral				
	Reach	adjust	✓	1	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 I	bleeding	~	1	1	1	1	✓
	Free stro	ke adjust	✓	1	1	✓	1	✓
	SERVO	WAVE	1	1	1	1	-	-
	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	-	-
Brake lever	Mat	erial	Carbon	Carbon	Aluminum	Aluminum	Aluminum	Aluminum
brake lever	Fin	nish	Painted	Painted	Painted	Painted	Anodized	Anodized
Di2 connectivity wired	Di2 sh	nifting	✓	1	1	1	-	-
Di2 connectivity wireless	Di2 sł	nifting	✓	1	1	1	1	✓
Maste	r unit		-	-	-	-	-	-
Firmware update b	y E-TUBE P	ROJECT	√	1	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)

Ser	ies		DURA-ACE	DURA-ACE	DURA-ACE	DURA-ACE	ULTEGRA	ULTEGRA
Mode	Model 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	:	2	-	-	-	-	-	-
Shifte	r 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 h	ose (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
	color (kit)	2	-	-	-	-	-	-
	Recomi brake	mended caliper	BR-R9170	BR-R9170	BR-R9170	BR-R9170	BR-R8070	BR-R8070
Brake lever	C	Dil	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
	Reach	adjust	✓	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 l	bleeding	✓	✓	1	1	1	✓
	Free stro	ke adjust	✓	✓	-	-	✓	✓
	SERVO	WAVE	-	-	-	-	-	-
Bracket	Mat	erial	CFRP	CFRP	Aluminum	Aluminum	CFRP	CFRP
bracket	Fin	nish	-	-	-	-	-	-
Electric button	Mat	erial	-	-	CFRP	CFRP	-	-
Electric Button	Fin	nish	-	-	-	-	-	-
Brake lever	Mat	erial	Carbon	Carbon	Carbon	Carbon	Aluminum	Aluminum
Diake level	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
Di2 connectivity wired	Di2 sł	nifting	✓	✓	1	1	1	1
Di2 connectivity wireless	Di2 sł	nifting	-	-	-	-	-	-
Maste	r unit		-	-	-	-	-	-
Firmware update b	y E-TUBE P	ROJECT	✓	✓	1	✓	✓	✓
SD50 po	ort (pcs)		2	2	1	1	2	2
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 sh	nifter (pcs)	0	0	0	0	0	0
Port for SD300 sat	ellite shifte	er (pcs)	0	0	0	0	0	0
Batt	tery		-	-	-	-	-	-
Average v	veight (g)		160	160	99	99	180	180
No	te							

Shift/Brake Lever

Ser	Series		DURA-ACE	ULTEGRA	ULTEGRA	DURA-ACE	DURA-ACE
Mode	el no.	ST-R9250-R	ST-R9250-L	ST-R8150-R	ST-R8150-L	ST-R9150-R	ST-R9150-L
Shifte	r type	DUAL CONTROL LEVER					
Remote	switch	1	1	1	1	1	1
	Reach adjust	✓	✓	1	1	1	✓
Brake lever	Clamp band (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-EV	1	1	1	1	1	1
Bracket	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
Вгаскет	Finish	-	-	-	-	-	-
Electric button	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
Electric button	Finish	Painted	Painted	-	-	-	-
Brake lever	Material	CFRP	CFRP	Aluminum	Aluminum	CFRP	CFRP
brake lever	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Maste	er unit	-	-	-	-	-	-
Firmware update b	y E-TUBE PROJECT	✓	✓	1	1	✓	✓
Di2 connectivity wired	Di2 shifting	✓	✓	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	Model no.		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	switch	-	-	✓	✓	-	-
	Reach adjust	✓	✓	✓	✓	✓	✓
Brake lever	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
	SLR-EV	✓	✓	✓	1	✓	✓
Bracket	Material	GFRP	GFRP	GFRP	GFRP	GFRP	GFRP
bracket	Finish	-	-	-	-	-	-
Electric button	Material	CFRP	CFRP	GFRP	GFRP	CFRP	CFRP
Electric Button	Finish	-	-	-	-	-	-
Brake lever	Material	CFRP	CFRP	Aluminum	Aluminum	Aluminum	Aluminum
biake level	Finish	Painted	Painted	Anodized	Anodized	Anodized	Anodized
Maste	er unit	-	-	-	-	-	-
Firmware update b	y E-TUBE PROJECT	~	✓	✓	✓	1	✓
Di2 connectivity wired	Di2 shifting	~	✓	√	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
Bat	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

Ser	ies	ULTEGRA	ULTEGRA
Mode	el no.	ST-6870	ST-6871
Shifte	r type	DUAL CONTROL LEVER	TT/Triathlon DUAL CONTROL LEVER
Remote	switch	-	-
	Reach adjust	✓	✓
Brake lever	Clamp band (mm)	23.8-24.2	INNER DIA. 19.0 - 22.5
	SLR-EV	✓	✓
Bracket	Material	GFRP	CFRP
bracket	Finish	-	-
Electric button	Material	GFRP	GFRP
Electric button	Finish	-	-
Brake lever	Material	Aluminum	Aluminum
втаке lever	Finish	Painted	Anodized
Maste	er unit	-	-
Firmware update b	y E-TUBE PROJECT	✓	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 con	nector (pcs)	0	0
Port for SD50 remote	sprinter shifter (pcs)	1 /each, total 2	0
Port for SD300 sat	tellite shifter (pcs)	0	0
Bat	tery	-	-
Average v	veight (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
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	-	✓
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)
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Rear Derailleur

Series		DURA-ACE	ULTEGRA	SHIMANO 105	DURA-ACE	ULTEGRA	ULTEGRA	
Mod	el no.		RD-R9250	RD-R8150	RD-R7150	RD-R9150	RD-R8050-SS	RD-R8050-GS
Color		1	Series color	Series color	Series color	Series color	Series color	Series color
	speeds		12	12	12	11	11	11
	SHIMANO SHADOW RD SHIMANO SHADOW		✓	1	1	1	1	1
RD construction	SHIMANO	SHADOW	-	-	-	-	-	-
	RD+ Double servo		-	-	-	-	-	-
	(conver	tachment ntional)	1	1	1	1	1	1
Mount	Riveted	mount adapter O type)	7	1	1	1	/ *	/ *
	Riveted) type) adapter	-	-	-	-	-	-
Max fron	(BMX-tra t difference	adapter ack type)	16T	16T	- 16T	- 16T	16T	- 16T
	apacity		37T	39T	41T	33T	33T	37T
Low sprocket		ax. in.	34T 30T	34T 30T	36T 34T	30T 25T	30T 25T	34T 28T
Top sprocket	M	ax.	11T	11T	11T	14T	14T	12T
Fluoric coated	link bushir	in. ngs	11T 4	11T 4	11T 4	11T 4	11T 4	11T 4
	Guide	pulley	✓	1	-	1	1	1
	Tension	n pulley ring	1	1	-	1	1	1
Pulley	Tec	eth	11T	11T	11T	11T	11T	11T
	Sunken to	material vpe pullev	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	SCF	ype pulley ew erial	√ Aluminum	√ Aluminum	✓ Steel	√ Aluminum	√ Aluminum	√ Aluminum
Bracket	Fin	ish	Anodized	Painted	Plated	Anodized	Anodized	Anodized
B-axle		w axle erial	√ Aluminum	✓ Stainless steel	✓ Stainless steel	√ Aluminum	✓ Stainless steel	Stainless steel
D-avie	Fin	ish	Anodized	Painted	-	Anodized	-	-
B-axle 2		w axle erial	Aluminum	√ Aluminum	Stainless steel	√ Aluminum	√ Aluminum	√ Aluminum
D-dxie Z	Fin	ish	Aluminum Anodized	Anodized	Stainless steel -	Anodized	Anodized	Anodized
Bracket body	Mat	erial iish	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted	Aluminum Painted
P-axle	Mat	erial	Aluminum	Steel	Steel	Aluminum	Steel	Steel
P-axie		nish	Plated CFRP	Passivation	Plated GFRP	Plated CFRP	Passivation	Passivation
Plate body		erial iish	Painted	GFRP Painted	- GFRP	Painted	GFRP Painted	GFRP Painted
Outer link		erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Innov link		ish erial	Anodized CFRP	Painted GFRP	Painted Steel	Anodized CFRP	Painted GFRP	Painted GFRP
Inner link		nish	- Caulana	- Al., main,	Painted	Painted	- Al.,	- Al
Outer plate	Fin	erial iish	Carbon Painted	Aluminum Painted	Aluminum Painted	Carbon Painted	Aluminum Painted	Aluminum Painted
Inner plate		erial	Carbon	Aluminum	Aluminum	Carbon	Aluminum	Aluminum
Stroke adjusting	Finish Material		Painted Aluminum	Painted Steel	Painted Steel	Painted Aluminum	Painted Steel	Painted Steel
screw Di2 connectivity		ish	Anodized	Plated	Plated	Anodized	Plated	Plated
wired		nifting	1	1	1	1	1	1
	Di2 shifting Bluetoot Cycling h® LE power		-	-	1	-	-	-
	ANT+	Cycling power Bicycle		-	-			
		power	-	-	-	-	-	-
		Adjust mode informat ion	✓	✓	✓	-	-	-
		Di2 battery level	1	1	1	-	-	-
		Gear	1	1	1	-	-	-
	Bluetoot	position SHIMAN O E-BIKE SYSTEM						
	h® LE custom (*1)	SYSTEM S data items (*3)	✓	✓	✓	-	-	-
Di2 connectivity wireless		Compati						
wireless		Compati ble with E-TUBE RIDE	1	1	1	-	-	-
		Compati ble with E-TUBE PROJECT	✓	1	1	-	-	-
		Adjust mode informat	1	1	1	-	-	-
		Di2 battery	1	1	1	-	-	-
	ANT private (*2)	Gear position SHIMAN	1	1	1	-	-	-
	(*2)	SHIMAN	•	•	•			
		O E-BIKE SYSTEM S data items (*3)	1	1	1	-	-	-
(*3) Firmware update by E-TUBE PROJECT		1	1	1	1	1	-	
SD50 port (pcs)		0	0	0	1	1	1	
	oort (pcs) nector (pcs)		0	0	0	0	0	0
SD300 con	nector (pcs)		0	0	0	0	0	0
	stem status ng port		1	1	1	-	-	-
Chargii	ng cable		EW-EC300	EW-EC300	EW-EC300	-	-	-
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.		215 w/o Bracket spec. available	262 w/o Bracket spec. available	302 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
Mod	el no.		RD-6870-SS	RD-6870-GS	RD-RX805-GS
Color		1	Series color	Series color	Series color
Rear	peeds		11	11	11
	SHIMANO	SHADOW	-	-	-
RD construction	SHIMANO SHADOW RD+		-	-	1
	Double servo Direct attachment		1	1	-
	Direct	ntional) mount	-	-	/ *
Mount	Riveted (ROAL	adapter O type)	-	-	-
	(ROAD type) Riveted adapter (BMX-track type)		-	-	-
	difference apacity		16T 33T	16T 37T	16T 39T
Low sprocket	M	ax.	28T	32T	34T
Top sprocket	M	in. ax.	23T 14T	28T 12T	28T 11T
Fluoric coated	l link bushir	in. nas	11T 4	11T 4	11T 4
	Guide	pulley	1	1	1
	Tension	n pulley ring	1	1	1
Pulley	Te	eth material	11T Stainless steel	11T Stainless steel	11T Stainless steel
	Sunken to	ve pullev	✓	√	✓
Bracket		ew erial	Aluminum	Aluminum	Aluminum
		ish w axle	-	-	Anodized ✓
B-axle	Mat	erial ish	Stainless steel Passivation	Stainless steel Passivation	Stainless steel
	Hollo	w axle		-	- ·
B-axle 2		erial iish	-	-	Aluminum Anodized
Bracket body	Mat	erial ish	Aluminum Painted	Aluminum Painted	Aluminum Painted
P-axle	Mat	erial	Aluminum	Aluminum	Steel
		ish erial	Plated CFRP	Plated CFRP	- Aluminum
Plate body	Fin	ish erial	Painted Aluminum	Painted Aluminum	Painted Aluminum
Outer link	Fin	ish	Painted	Painted	Painted
Inner link		erial ish	Steel Painted	Steel Painted	GFRP -
Outer plate		erial ish	Aluminum Painted	Aluminum Painted	Aluminum Painted
Inner plate	Mat	erial	Aluminum	Aluminum	Aluminum
Stroke adjusting		ish erial	Painted Stainless steel	Painted Stainless steel	Painted Steel
screw Di2 connectivity		ish	Black coated	Black coated	Plated
wired		nifting nifting	-	√	-
	Bluetoot h® LE	Cycling	-	-	-
	ANT+	l Bicvcle	-	-	-
		power Adjust mode informat	_	_	_
		ion Di2			
		battery level	-	-	-
1	Rivetoot	Gear position SHIMAN	-	-	-
	Bluetoot h® LE custom (*1)	SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-
Di2 connectivity wireless		Compati ble with E-TUBE RIDE	-	-	-
		Compati ble with E-TUBE PROJECT	-	-	-
		Adjust mode informat ion	-	-	-
1	ANT	Di2 battery level	-	-	-
	private (*2)	Gear position	-	-	-
		SHIMAN O E-BIKE SYSTEM S data items (*3)	-	-	-
Firmware update l	Firmware update by E-TUBE PROJECT			J	1
SD50 port (pcs) SD300 port (pcs)			1 0	1 0	1 0
SD50 conr	SD50 connector (pcs) SD300 connector (pcs)			0	0
LED for sy	stem status		- -	-	-
	ng port ng cable		-	-	-
Avorago	woight (g)	etooth I F	257	268	280
Note *1 Compatible cycle computer and s not freely open pr with ANT+ cycle con open profile. *3 Will connected to SHIMA	martphone, martphone, ofile. *2 Cor nputer but i be shown o NO E-BIKE ke.	tablet but npatible not freely only when SYSTEMS			* w/o Bracket spec available
				•	•

ВВ НВ

WH

WH

SW

RD

FD

Front Derailleur

Ser	ries	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	-	-	-	-	-	-
Fronts	t speeds 2 2 2 2 2		2	2			
Rear s	peeds	12	12	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
A -4:	TOP SWING	-	-	-	-	-	-
Action	Down swing	✓	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	Total capacity		16T	16T	16T	16T, 17T *	16T
Link bu	Link bushings		4	2	4	2	4
Fuent demon hand	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
Outer link	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 guide	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 b	y E-TUBE PROJECT	√	✓	1	✓	✓	✓
SD50 pc	ort (pcs)	0	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 conr	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)

Ser	ies	DURA-ACE	DURA-ACE	
Mode	el no.	SM-AD91-L	SM-AD91-MS	
Frank dawn band	Material	Aluminum	Aluminum	
Front clamp band	Finish	SM-AD91-L SM-Aluminum Alu Painted Ar Aluminum Alu Painted Ar * w/ N	Anodized	
Been dead been	Material	Aluminum	Aluminum	
Rear clamp band	Finish	SM-AD91-L Aluminum Painted Aluminum Aluminum Aluminum Aluminum Aluminum Painted Anodized - - - - - - - - - - - - -	Anodized	
	28.6	-	√ *	
Clamp band diameter (mm)	31.8	-	1	
	34.9	1	-	
No	te		* w/ Multi Clamp Band	

LIFESTYLE Active

	Page	
Shifter	176	SL
Brake Lever (Hydraulic Disc Brake)	187	BL
Shift/Brake Lever (Hydraulic Disc Brake)	188	ST
Shift/Brake Lever (Flat Handlebar type)	190	ST
Shift/Brake Lever (Drop Handlebar type)	193	ST
Rear Derailleur	194	RD
Front Derailleur	198	FD
Brake (Hydraulic Disc Brake)	206	BR
Brake (Mechanical Disc Brake)	207	BL
Crankset	208	FC
Bottom Bracket (HOLLOWTECH II)	211	ВВ
Bottom Bracket	212	ВВ
Cassette	214	CS
Multiple Freewheel	217	MF
Front Hub (Disc Brake)	218	НВ
Front Hub (Rim Brake)	220	НВ
FREEHUB (Disc Brake)	221	FH
FREEHUB (Rim Brake)	224	FH
Shift Switch	226	sw
Rear Derailleur	227	RD
near Deranical	~~/	

<Di2 spec.>

Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES	
Mode			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	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE
Front	peeds		-	-	2	2	-	-
Rear s	peeds		11	11	-	-	11	11
Compatible rear	derailleur	type	LINKGLIDE system 11-speed	LINKGLIDE system 11-speed	-	-	LINKGLIDE system 11-speed	LINKGLIDE system 11-speed
	Clamp	band	~	-	√	-	1	1
Mount type	I-SP	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	1	-	1	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation a	djust (non	-SPEC EV)	-	1	-	1	-	-
Shift lever o	able adjust	t	✓	✓	✓	1	1	1
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	2	2	-	-	2	2
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT RELEASE		1	4	1	1	-	-
Release function	2-WAY RELEASE		1	1	1	1	1	-
	Adjustable lever		-	-	1	1	-	-
	With		1	1	1	1	1	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
2.5. 2	Without		1	1	1	1	1	1
Multi-bearing	constructi	on	2	2	2	2	-	-
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Fin	ish	painted	painted	painted	painted	painted	painted
	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Clamp screw	Fin	ish	Black	Black	Black	Black	Black	Black
	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP
Main lever body	Fin	ish	painted	painted	painted	painted	-	-
	Mat	erial	Steel+GFRP	Steel+GFRP	-	-	Steel+Resin	Steel+Resin
Release lever body	Fin	ish	-	-	-	-	-	-
B	Mat	erial	GFRP	GFRP	GFRP	GFRP	Resin	Resin
Base cover	Finish		painted	painted	painted	painted	-	-
		Polymer- coated cable	-	-	-	-	-	-
Chift lawar bl-	Inner cable	OPTISLIC K	✓	✓	1	1	✓	1
Shift lever cable		SIL-TEC	-	-	-	-	-	-
		Stainless	~	✓	1	1	-	-
		Steel	-	-	-	-	✓	✓
Recommended shift	Recommended shift lever outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		120	112	-	-	-	-
No	te							Short reach



Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES	
Mode	el 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	-	-	-	-	-	-
	1	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE
Front s	peeds		-	2	-	-	-	-
Rear s	peeds		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	✓
Mount type	I-SP	EC B	-	-	-	-	-	-
wount 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	1	1	✓
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	2	-	2	2	2	2
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT RELEASE		-	-	-	-	-	-
Release function	2-WAY RELEASE		✓	✓	-	-	1	-
	Adjustable lever		-	-	-	-	-	-
	With		✓	✓	1	1	1	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Without		✓	1	1	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Finish		painted	painted	painted	painted	painted	painted
	Material		Stainless steel	Stainless steel	Stainless steel	steel	Steel	steel
Clamp screw	Fin	ish	Black	Black	Black	plated	plated	plated
	Mat	erial	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
Main lever body	Fin	ish	-	-	-	-	-	-
	Mat	erial	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Release lever body	Fin	ish	-	-	-	-	-	-
Base cover	Material		Resin	Resin	Resin	Resin	Resin	Resin
base cover	Finish		-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	√	✓	1	1	1	1
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	1	✓
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)			-	-	-	-	-	-
					Short reach			Short reach
Note								

FH

SVV

RD

177

Seri	ies		CUES	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	ACERA	ACERA
Mode	l no.		SL-U4000-L	SL-M3100-R	SL-M3100-L	SL-M3100-2L	SL-M3000-R	SL-M3010-L
	1	ı	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifter	r type		RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front s	peeds		2	-	3	2	-	2
Rear sp	peeds		-	9	-	-	9	-
Compatible rear	derailleur	type	-	MTB 9-speed	-	-	MTB 9-speed	-
	Clamp	band	1	✓	1	✓	✓	✓
Mount type	I-SPI	EC B	-	-	-	-	-	-
Mount type	I-SP	EC II	-	-	-	-	-	-
	I-SPE	C EV	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever rotation ac	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever c	able adjust		1	1	1	1	1	1
Front 2/3 mod	de converte	er	-	-	-	-	-	-
Max. multiple shifts	s (main lev	er/rear)	-	3	-	-	3	-
	MULTI RELEASE		-	-	-	-	-	-
Balana faradan	INSTANT RELEASE		-	-	-	-	-	-
Release function	2-WAY RELEASE		-	-	-	1	-	-
	Adjustable lever		-	-	-	-	-	-
	Wi	th	1	1	1	-	1	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Without		-	-	-	1	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Chiffs I burn aloos	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Finish		painted	Painted	Painted	Painted	Painted	Painted
Claren severi	Material		steel	Steel	Steel	Steel	Stainless steel	Stainless steel
Clamp screw	Finish		plated	Plated	Plated	Plated	-	-
Main laven hade	Mat	erial	Steel+GFRP	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Main lever body	Fin	ish	-	-	-	-	-	-
Palanca lover bady	Mat	erial	-	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin
Release lever body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	1	1	1	✓	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	√ *	-
		Steel	1	1	1	1	1	1
Recommended shift	lever oute		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
Average weight (g) Note								

Shifter

Series		ACERA	ALTUS	ALTUS	ALTUS	SHIMANO	SHIMANO	
Mode	Model no.		SL-M360-R	SL-M2010-9R	SL-M2010-L	SL-M2010-2L	SL-M315-8R	SL-M315-7R
	1		Series color					
Color		2	-	-	-	-	-	-
	:	3	-	-	-	-	-	-
Shifte	r type		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	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	:	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		-	-	-	-	-	-
Balance formation	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY RELEASE		-	-	-	-	-	-
	Adjustable lever		-	-	-	-	-	-
	W	ith	1	1	1	1	1	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Without		-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Chift lavor breaket	Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Shift lever bracket	Finish		Painted	Painted	Painted	Painted	Painted	Painted
G	Material		Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Finish		-	Plated	Plated	Plated	Plated	Plated
Main lover bed	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 lever body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
pase 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	1	-	-
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average v	veight (g)		-	-	-	-	-	-
No	te							

SL BL ST

RD

ST

ST

FD

BR BL FC

BB BB

CS MF

HB НВ

FH SW

FH

RD

Series		SHIMANO	SHIMANO	TOURNEY	TOURNEY	TOURNEY	TOURNEY	
Mode	el no.		SL-M315-L	SL-M315-2L	SL-FT55-7R	SL-TX50-7R	SL-TX50-6R	SL-TX50-L
1		1	Series color	Series color	Series color	Series color	Series color	Series color
Color		2	-	-	-	-	-	-
	:	3	-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	Thumb shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter Plus
Front s	peeds		3	2	-	-	-	3
Rear s	peeds		-	-	7	7	6	-
Compatible rear	derailleur	type	-	-	MTB 7-speed	MTB 7-speed	MTB 6-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	djust (non I	-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	1	1	-	-	-	1
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	-	6	6	5	-
	MULTI RELEASE		-	-	-	-	-	-
Dalana firmation	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY RELEASE		-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	W	ith	✓	1	✓	1	✓	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	Without		-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Material		Aluminum	Aluminum	Steel	Steel	Steel	Steel
Silit level bracket	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Material		Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Finish		Plated	Plated	-	-	-	-
Main lever body	Mat	erial	Steel+Resin	Steel+Resin	Resin	Resin	Resin	Resin
Main level body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	Resin	Resin	Resin	Resin
nelease level souy	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
2000 00761	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	law - ::	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	-	-	-	-
		Steel	-	-	1	1	1	1
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v	veight (g)		-	-	-	-	-	-
No	te							



Ser	ies		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Model 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	-	-	-	-	-	-
	3	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	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		✓	-	-	1	1	-
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	-	6	5	-	5	6
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY RELEASE		-	-	-	-	-	-
	Adjustable lever		-	-	-	-	-	-
	W	ith	✓	✓	✓	✓	✓	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	With	nout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Material		Steel	Steel	Steel	Steel	Steel	Steel
Silit level bracket	Finish		Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Material		Steel	Steel	Steel	Steel	Steel	Steel
Clamp sciew	Finish		-	-	-	-	-	-
Main lever body	Mat	erial	Resin	Resin	Resin	Resin	-	-
a iever body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Resin	Resin	Resin	Resin	-	-
and the second second	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin		-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	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

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Ser	ies		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY
Mode	el no.		SL-RS36-6R	SL-RS36-L	SL-RS35-7R	SL-RS35-6R	SL-RS35-L	SL-RS35-LN
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	-	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	Shifter type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front s	peeds		-	3	-	-	3	3 (friction)
Rear s	peeds		6	-	7	6	-	-
Compatible rear	derailleur	type	MTB 6-speed	-	MTB 7-speed	MTB 6-speed	-	-
	Clamp	band	✓	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	I-SPEC EV)	-	-	-	-	-	-
Shift lever o	able adjust	t	-	1	-	-	1	1
Front 2/3 mo	de converte	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	5	-	6	5	-	-
	MULTI REL		-	-	-	-	-	-
Release function	INSTANT RELEASE		-	-	-	-	-	-
Release function	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	W	ith	✓	✓	✓	1	1	✓
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Steel	Steel	Resin	Resin	Resin	Resin
	Fin	ish	Painted	Painted	Resin	Resin	Resin	Resin
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
	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	-	-	-	-	-	-
	Innor	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner 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		w/ CI-DECK spec is available as option	w/ CI-DECK spec is available as option		



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Shifter

Ser	ies		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.		SL-RV400-8R	SL-RV400-7R	SL-RV400-6R	SL-RV400-L	SL-RV400-LN	SL-RV300-7R
		1	Series color					
Color	:	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	r type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front	peeds		-	-	-	3	3 (friction)	-
Rear s	peeds		8	7	6	-	-	7
Compatible rea	derailleur	type	MTB 8-speed	MTB 7-speed	MTB 6-speed	-	-	MTB 7-speed
	Clamp	band	1	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	I-SPEC EV)	-	-	-	-	-	-
Shift lever	able adjust	t	-	-	-	x	-	-
Front 2/3 mo	de convert	er	-	-	-	-	-	-
Max. multiple shift	s (main lev	er/rear)	7	6	5	-	-	6
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY RELEASE		-	-	-	-	-	-
	Adjustable lever		-	-	-	-	-	
	w	ith	1	1	1	1	1	1
OPTICAL GEAR DISPLAY	With (removable)		-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
	Material		Resin	Resin	Resin	Resin	Resin	Resin
Shift lever bracket	Fin	ish	Resin	Resin	Resin	Resin	Resin	Resin
_	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	-	-	-	-	-	-
Main lever body	Fin	ish	-	-	-	-	-	-
	Mat	erial	-	-	-	-	-	-
Release lever body	Fin	ish	-	-	-	-	-	-
_	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	/	√
Recommended shif	t lever oute		OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average v		cusing	-	-	-	-	-	-
No.			-				_	-
INC	··c							

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Seri	ies		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	l no.		SL-RV300-6R	SL-RV300-L	SL-RV300-LN	SL-RV200-7R	SL-RV200-6R	SL-RV200-L
		1	Series color					
Color		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
Shifter	type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT
Front s	peeds		-	3	3 (friction)	-	-	3
Rear sp	peeds		6	-	-	7	6	-
Compatible rear	derailleur	type	MTB 6-speed	-	-	MTB 7-speed	MTB 6-speed	-
	Clamp	band	1	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 ac	djust (non I	I-SPEC EV)	-	-	-	-	-	-
Shift lever c	able adjust	t	-	-	-	-	-	1
Front 2/3 mod	de convert	er	-	-	-	-	-	-
Max. multiple shifts	s (main lev	er/rear)	5	-	-	6	5	-
	MULTI F	RELEASE	-	-	-	-	-	-
	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustable lever					-	-	-
	W	ith	1	1	1	1	1	1
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Shift lever bracket	Fin	ish	Resin	Resin	Resin	Resin	Resin	Resin
	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	-	-	-	-	-	-
	Mat	erial	-	-	-	-	-	-
Main lever body	Fin	ish	-	-	-	-	-	-
Balance In 1997	Mat	erial	-	-	-	-	-	-
Release lever body	Fin	ish	-	-	-	-	-	-
B	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
		OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	1	1	1	1	√
Recommended shift	lever oute	l	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Average w		cusing	-	-	-	-	-	-
No:								
NO								

Shifter

Ser	ies		SHIMANO	TOURNEY TZ	TOURNEY TZ	TOURNEY TZ	SHIMANO A050	SHIMANO A050
Mode	el no.		SL-RV200-LN	SL-TZ500-7R	SL-TZ500-6R	SL-TZ500-LN	SL-A050-7R	SL-A050-LN
	1	1	Series color	Series color	Series color	Series color	Series color	Series color
Color	2	2	-	-	-	-	-	-
	3	3	-	-	-	-	-	-
Shifte	r type		REVOSHIFT	Thumb Shifter	Thumb Shifter	Thumb Shifter	Handle bar mount shifter	Handle bar mount shifter
Front s	peeds		3 (friction)	-	-	3 (friction)	-	2 (friction)
Rear s	peeds		-	7	6	-	7	-
Compatible rear	derailleur	type	-	MTB 7-speed	MTB 6-speed	-	ROAD 7-speed	-
	Clamp	band	✓	1	✓	1	1	✓
Mount type	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		-	-	-	-	-	-
Front 2/3 mo	de converte	er	-	-	-	-		
Max. multiple shift	s (main lev	er/rear)	-	6	5	-	-	-
	MULTI R	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
Release function	2-WAY F	RELEASE	-	-	-	-	-	-
	Adjustal	ble lever	-	-	-	-	-	-
	With		-	√ *	√ *	√ *	-	-
OPTICAL GEAR DISPLAY	With (rer	novable)	-	-	-	-	-	-
	With	nout	-	-	-	-	1	✓
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Steel	Steel	Steel	Steel	Steel
Smit lever bracket	Fin	ish	Resin	Painted	Painted	Painted	Zinc plated	Zinc plated
Clamp screw	Mat	erial	Steel	Steel	Steel	Steel	-	-
Clamp screw	Fin	ish	-	Zinc plated	Zinc plated	Zinc plated	-	-
Main lever body	Mat	erial	-	Resin	Resin	Resin	Resin	Resin
wani ievei bouy	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	Resin	Resin
nelease level body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	-	-
pase cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	1	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			* Gear Position Indicator	* Gear Position Indicator	* Gear Position Indicator		

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Ser	ies		SHIMANO	SHIMANO	
Mode	el no.		SL-SY20A-7	SL-SY20A-6	
	,	1	Series color	Series color	
Color	7	2	-	-	
	:	3	-	-	
Shifte	r type		Down tube mount shifter	Down tube mount shifter	
Front s	Front speeds			2 (friction)	
Rear s	Rear speeds			6	
Compatible rear	Compatible rear derailleur type			ROAD 6-speed	
	Clamp band		-	ī	
Mount type	I-SP	EC B	-	-	
Would type	I-SP	EC II	-	-	
	I-SPE	C EV	-	-	
Shift lever po	sition adju	st	-	-	
Shift lever rotation a	djust (non	-SPEC EV)			
Shift lever	able adjust	t	-	-	
Front 2/3 mo	de convert	er			
Max. multiple shift	s (main lev	er/rear)	-	-	
	MULTI F	RELEASE	-	-	
Release function	INSTANT	RELEASE	-	-	
	2-WAY I	RELEASE	-	-	
	Adjusta	ble lever	-	-	
	W	ith	-	-	
OPTICAL GEAR DISPLAY		movable)	-	-	
		hout	✓	✓	
Multi-bearing			-	-	
Shift lever bracket	Material		Steel	Steel	
		iish	Zinc plated	Zinc plated	
Clamp screw		erial	-	-	
		iish	-	-	
Main lever body		erial 	Resin	Resin	
		ish	- Paris	-	
Release lever body		erial	Resin	Resin	
		nish Oriol	-	-	
Base cover		erial iish	-	-	
	rin	Polymer- coated	-	-	
		cable	-	-	
Shift lever cable	Inner	OPTISLIC K	-	-	
	cable	SIL-TEC	-	-	
		Stainless	-	-	
	Steel			1	
Recommended shif	t lever oute	er casing	OT-SIS40	OT-SIS40	
Average v	veight (g)		-	-	
No	ote		Stem and brazed on, band types are available	Stem and brazed on, band types are available	



Brake Lever (Hydraulic Disc Brake)

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	-	-
Daniel allinos	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	d brake caliper	BR-U8000, BR-U8020	BR-MT410
O	il	SHIMANO mineral	SHIMANO mineral
Funnel b	oleeding	1	1
Claman agrang	Material	Stainless steel	Steel
Clamp screw	Finish	Painted	Plated
Brake lever	Material	Aluminum	Steel
вгаке lever	Finish	Anodized	Painted
Mastan sulinday	Material	Aluminum	Aluminum
Master cylinder	Finish	Painted	Painted
Average v	veight (g)	110	-
No	ote		SHORT REACH

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200

Shift/Brake Lever (Hydraulic Disc Brake)

Seri	Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	l no.		ST-EF515-8R	ST-EF515-7R	ST-EF515-2L	ST-EF515-L	ST-EF505-9R	ST-EF505-8R
Color	1	1	Black	Black	Black	Black	Black	Black
Color	2	2	-	-	-	-	-	-
Shifter	type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front	speeds	-	-	2	3	-	-
<u> </u>	Rear s	peeds	8	7	-	-	9	8
	2/3 mode		-	-	-	-	-	-
	Max. mult (main le	tiple shifts ver/rear)	3	3	-	-	3	3
	Compati deraille	ible rear	MTB 8-speed	MTB 7-speed	-	-	MTB 9-speed	MTB 8-speed
-	I-SPEC co		_	<u>-</u>	_	_	_	-
			-	-			_	
	Shift leve adj		-	-	-	-	-	-
Shift lever		MULTI RELEASE	-	-	-	-	-	-
	Release function	INSTANT RELEASE	-	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-	-
	Shift lev adj		1	1	1	1	1	1
	adj	ust With	•	1	1	1	1	1
	OPTICAL	With	•	•	•	•	•	•
	OPTICAL GEAR DISPLAY	(remova ble)	-	-	-	-	-	-
		Without	-	-	-	-	-	-
	Multi-b constr	earing uction	-	-	-	-	-	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable		OPTISLIC	1	1	1	1	1	1
Sime level cable	Inner cable	K						
		SIL-TEC	-	-	-	-	-	-
		Stainless Steel	-	-	-	-	-	-
	Lever size (finger)		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		Straight	Straight	Straight	Straight	Straight	Straight
	Brake	1	Black	Black	Black	Black	Black	Black
	hose color (kit)	2	-	-	_	-	-	-
	J-Kit spec		1	1	1	1	1	1
	Recomm brake	. ,	BR-MT200	BR-MT200	BR-MT200	BR-MT200	BR-MT200	BR-MT200
Brake lever	brake O		SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral	SHIMANO Mineral
		Toolless	-	-	-	-	-	-
	Reach adjust	Tool	1	1	1	1	1	1
	Funnel k		1	1	1	1	1	1
		ke adjust	-	-	-	-	-	-
	SERVO	-	-	-	-	-	-	-
	Mat	erial	Steel	Steel	Steel	Steel	Aluminum	Aluminum
	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp band	Open	clamp	-	-	-	-	-	-
Shifter lever body	Ma	ain	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin
Januar level body	Rele	ease	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin	Steel & Resin
Master cylinder	Mat		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
,	Fin		Painted	Painted	Painted	Painted	Painted	Painted
	Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket		Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Clamp screw	Material	Steel	Steel Zinc plated	Steel	Steel Zinc plated	Steel	Steel
Ctainless -la		Finish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Stainless cla Average w			-	-	-	-	-	-
No.								_
110	-							



Shift/Brake Lever (Hydraulic Disc Brake)

Se	ries		SHIMANO	SHIMANO	SHIMANO
	el no.		ST-EF505-7R	ST-EF505-2L	ST-EF505-L
	1	1	Black	Black	Black
Color		2	-	-	-
Shifte	r type		EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
	Front	speeds	-	2	3
	Rear	peeds	7	-	-
	2/3 mode converter		-	-	-
	Max. multiple shifts (main lever/rear)		3	-	-
	Compatible rear derailleur type		MTB 7-speed	-	-
		mpatible	-	-	-
	Shift lever position adjust		-	-	-
Shift lever		MULTI RELEASE	-	-	-
	Release function	INSTANT RELEASE	-	-	-
		2-WAY RELEASE	-	-	-
	Shift lev ad	er cable ust	1	1	1
		With	1	1	1
	OPTICAL GEAR DISPLAY	With (remova ble)	-	-	-
		Without	-	-	-
	Multi-l consti	earing ruction	-	-	-
	Outer casing	Lever side	OT-SP41	OT-SP41	OT-SP41
	casing	Polymer- coated cable	-	-	-
Shift lever cable		OPTISLIC	1	1	1
	Inner cable	SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	1	1	1
	Lever size (finger)		3	3	3
	Brake hose (kit)		SM-BH59-JK-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
		joint .	Straight	Straight	Straight
	Brake hose color (kit)	1	Black	Black	Black
	-	2	-	-	-
	J-Kit spec	(for OEM)	-	- •	-
	J-Kit spec			- ✓ BR-MT200	- ✓ BR-MT200
Brake lever	J-Kit spec Recomi brake	(for OEM) mended caliper	1		
Brake lever	J-Kit spec Recomi brake	(for OEM) mended caliper	√ BR-MT200	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral
Brake lever	J-Kit spec Recoming brake C Reach adjust	(for OEM) mended caliper oil Toolless	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral	BR-MT200
Brake lever	J-Kit spec Recomprake C Reach adjust	(for OEM) mended caliper oil Toolless Tool pleeding	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral
Brake lever	J-Kit spec Recomi brake C Reach adjust Funnel	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust	BR-MT200 SHIMANO Mineral - - - - -	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral
Brake lever	J-Kit spec Recomin brake C Reach adjust Funnel Free stro	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust	BR-MT200 SHIMANO Mineral - - - - - - -	BR-MT200 SHIMANO Mineral - - - - - - - - - - -	BR-MT200 SHIMANO Mineral - - - - - - - - - - -
Brake lever	J-Kit spec Recomprake C Reach adjust Funnel Free stro SERVO	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial	BR-MT200 SHIMANO Mineral - - - - - - - - Aluminum	BR-MT200 SHIMANO Mineral Aluminum	BR-MT200 SHIMANO Mineral - - - - - - - - - - - Aluminum
	J-Kit spec Recomprake C Reach adjust Funnel Free stro SERVC Mat	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial	BR-MT200 SHIMANO Mineral - - - - Aluminum Painted	BR-MT200 SHIMANO Mineral - - - - - - - - - - -	BR-MT200 SHIMANO Mineral - - - - - - - - - - -
Clamp band	J-Kit spec Recomprake C Reach adjust Funnel Free stro SERVC Mat Fir	(for OEM) mended caliper bil Toolless Tool oleeding ke adjust WAVE erial iish clamp	BR-MT200 SHIMANO Mineral - - - - Aluminum Painted -	BR-MT200 SHIMANO Mineral - - - - - - Aluminum Painted -	BR-MT200 SHIMANO Mineral Aluminum Painted -
	J-Kit spec Recomprake Reach adjust Funnel Free stro SERVO Mat Fir Open	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial	BR-MT200 SHIMANO Mineral - - - - Aluminum Painted	BR-MT200 SHIMANO Mineral Aluminum	BR-MT200 SHIMANO Mineral - - - - - - - - - - - Aluminum
Clamp band Shifter lever body	J-Kit spec Recompliant Reach adjust Funnel Free stro SERVO Mat Fir Open M. Relo	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial iish clamp	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin	BR-MT200 SHIMANO Mineral - - - - - - - Aluminum Painted - Steel & Resin	BR-MT200 SHIMANO Mineral - - - - - - - Aluminum Painted - Steel & Resin
Clamp band	J-Kit spec Recomposite of the composite	(for OEM) mended caliper bil Toolless Tool oleeding ke adjust WAVE erial iish clamp ain	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin Steel & Resin	BR-MT200 SHIMANO Mineral - - - - - - Aluminum Painted - Steel & Resin Steel & Resin	BR-MT200 SHIMANO Mineral - - - - - - - Aluminum Painted - Steel & Resin Steel & Resin
Clamp band Shifter lever body	J-Kit spec Recombrake C Reach adjust Funnel Free stro SERVO Mat Fir Open M Relo Mat Fir	(for OEM) mended caliper bil Toolless Tool caliper WAVE erial clamp ain ease erial	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin Steel & Resin Aluminum	BR-MT200 SHIMANO Mineral - - - - - - - Aluminum Painted - Steel & Resin Steel & Resin Aluminum	BR-MT200 SHIMANO Mineral Aluminum Painted Steel & Resin Steel & Resin Aluminum
Clamp band Shifter lever body Master cylinder	J-Kit spec Recomposite of the composite	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial iish clamp ain ease erial	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted	BR-MT200 SHIMANO Mineral - - - - - - - Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted	BR-MT200 SHIMANO Mineral
Clamp band Shifter lever body	J-Kit spec Recomi brake C Reach adjust Funnel Free stro SERVO Mat Fir Open M. Rel Mat Fir Bracket	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial iish clamp ain ease erial iish Material	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted Aluminum	BR-MT200 SHIMANO Mineral - - - - - - Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted Aluminum Aluminum	BR-MT200 SHIMANO Mineral
Clamp band Shifter lever body Master cylinder Bracket	J-Kit spec Recomi brake C Reach adjust Funnel Free stro SERVC Mat Fir Open M Rele Mat Fir Bracket Clamp screw	(for OEM) mended caliper bil Toolless Tool bleeding ke adjust WAVE erial sish clamp ain ease erial sish Material Finish	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted Aluminum Painted Aluminum Painted	BR-MT200 SHIMANO Mineral
Clamp band Shifter lever body Master cylinder Bracket Stainless c	J-Kit spec Recomi brake C Reach adjust Funnel Free stro SERVC Mat Fir Open M Rele Mat Fir Bracket Clamp screw	(for OEM) mended caliper iil Toolless Tool oleeding ke adjust WAVE erial iish clamp ain ease erial iish Material Finish	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral - - - - Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted Aluminum Painted Jinc plated - - - - - - - - - - - - -	BR-MT200 SHIMANO Mineral
Clamp band Shifter lever body Master cylinder Bracket Stainless c Average	J-Kit spec Recomi brake C Reach adjust Funnel Free stro SERVC Mat Fir Open M Rele Mat Fir Bracket Clamp screw	(for OEM) mended caliper iil Toolless Tool oleeding ke adjust WAVE erial iish clamp ain ease erial iish Material Finish	BR-MT200 SHIMANO Mineral	BR-MT200 SHIMANO Mineral - - - - - Aluminum Painted - Steel & Resin Steel & Resin Aluminum Painted Aluminum Painted Aluminum Painted Aluminum Painted Aluminum Painted Steel Zinc plated	BR-MT200 SHIMANO Mineral

Shift/Brake Lever (Flat Handlebar type)

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	TOURNEY TX	TOURNEY TX
Mod	lel no.		ST-M310-8R2	ST-M310-L2	ST-EF500-8R2A	ST-EF500-8R4A	ST-TX800-8R	ST-TX800-L
		1	Black	Black	Black	Black	Black	Black
Color		2	Silver	Silver	-	-	Silver	Silver
Shifte	er type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS
		speeds	-	3	-	-	-	3
		peeds	8	-	8	8	8	-
	deraille	ible rear eur type	MTB 8-speed	-	MTB 8-speed	MTB 8-speed	MTB 8-speed	-
	Shift leve	r position ust	-	-	-	-	-	-
	Shift ley	er cable ust	1	1	_	_	_	1
		ust converter	▼	-	-	_	-	-
			3	-				
	(Main le	tiple shifts ver/rear)	3	-	3	3	3	-
		MULTI RELEASE	-	-	-	-	-	-
Shift lever	Release function	INSTANT RELEASE	-	-	-	-	-	-
		2-WAY	_	_	-	_	-	-
		RELEASE With	1	1	1	1	√	1
	OPTICAL	With	4	7	4	7	<u> </u>	7
	OPTICAL GEAR DISPLAY	(remova ble)	-	-	-	-	-	-
	5.5. 54.	Without	-	-	-	-	-	-
	Multi-I	Bearing uction	-	-	-	-	-	-
	Main	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Resin	Resin
	lever	Finish	-	-	-	-	-	-
	Release	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Resin	Resin
	lever body	Finish	=	-	-	-	-	-
	Outer	casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SIS40	OT-SIS40
		Polymer- coated	-	-	-	-	-	-
el te l		cable OPTISLIC						
Shift lever cable In	Inner cable	K	-	-	-	-	-	-
	Cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
	 	Steel V-BRAKE	1	1	1	✓ with switch*	- 	1
			.	•	<u> </u>	♥ WITH SWITCH		•
		Mechani cal disc brake (MTB)	✓	1	✓	✓ with switch*	✓	✓
		Mechani cal disc brake (Road)	-	-	-	-	-	-
	Compati ble brake	Caliper (SLR-EV)	-	-	-	-	-	-
	type	Caliper (NEW SUPER SLR)	-	-	-	-	-	-
		Caliper (SUPER SLR)	-	-	-	✓ with switch	-	-
		Cantilev er brake	-	-	-	✓ with switch	-	-
		Roller	-	-	-	✓ with switch	-	-
Brake lever	Poss	brake V-BRAKE	-	-	-	SM-PM40		
	Recomm ended POWER MODULA TOR	Mechani cal disc brake (MTB)	-	-	-	SM-PM50	-	-
	Clamp band	Open clamp band	-	-	-	-	-	-
	Internal	bumper	_	-	-	-	-	_
	st	op ' e (finger)	2	2	2	4	2	2
		e (finger) ible type	T-type	T-type	T-type	T-type	T-type	T-type
		adjuster	-	-	-	-	- -	-
	SERVO	WAVE	=	-	-	-	-	-
		adjust	1	1	*	1	1	1
		adjust	✓	/	√	<i>-</i>	✓	✓
		just type	Two hand	Two hand	Two hand	Two hand	Two hand	Two hand
	Brake lever	Material Finish	Aluminum Anodized	Aluminum Anodized	Aluminum Painted	Aluminum Painted	Steel/Resin -	Steel/Resin -
		Material	Anodized	Aluminum	Aluminum	Aluminum	Steel	Steel
	Bracket	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Bracket	Clamn	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Clamp screw	Finish	Zinc plated	Zinc plated	Plated	Plated	Zinc plated	Zinc plated
Average	weight (g)		-	-	-	-	-	-
N	ote					* POWER MODULATOR must be used for front brake		

Shift/Brake Lever (Flat Handlebar type)

Se	ries		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	-	-	<u>-</u>	-	-	-
Shifte	er type	speeds	EZ FIRE PLUS	EZ FIRE PLUS	EZ FIRE PLUS 3	EZ FIRE PLUS 3	EZ FIRE PLUS 2	EZ FIRE PLUS 2
		speeds	7	7	-	-	-	-
		ible rear eur type	MTB 7-speed	MTB 7-speed	-	-	-	-
	Shift leve	r position		-	_	_	_	_
		er cable just	-	-		1	· · · · · · · · · · · · · · · · · · ·	1
		converter tiple shifts	3	-		-	<u>-</u>	-
	(Main le	tiple shifts ver/rear)		3				
	D.1	MULTI RELEASE	-	-	-	-	-	-
Shift lever	Release function	INSTANT RELEASE	-	-	-	-	-	-
		2-WAY RELEASE	-	-	-	-	-	-
		With	1	1	✓	1	✓	✓
	OPTICAL GEAR	With (remova ble)	-	-	-	-	-	-
	DISPLAY	ble) Without		-		_		_
	Multi-	Bearing ruction	-	-	-	-	-	-
	Main	uction Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	lever body	Finish	-	-	-	-	-	-
	Release	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	lever body	Finish	- OT 5D41	- OT 5041	- OT CD41	- OT 5D41	- OT 5D41	- OT 5D41
	Outer	Polymer- coated	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
		coated cable	-	-	-	-	-	-
Shift lever cable	Inner	OPTISLIC K	-	-	=	-	=	-
	cable	SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	<u> </u>	/i4h ai4ah *	√	✓	√	✓ ✓
		V-BRAKE Mechani	<u> </u>	✓ with switch*	J	✓ with switch*	<u> </u>	✓ with switch*
		Mechani cal disc brake (MTB)	✓	✓ with switch*	✓	✓ with switch*	✓	✓ 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	-	✓ with switch	-	✓ with switch	-	✓ with switch
		Roller brake	-	✓ with switch	-	✓ with switch	-	✓ with switch
Brake lever	Recomm	V-BRAKE	-	SM-PM40	-	SM-PM40	-	SM-PM40
	ended POWER MODULA TOR	Mechani cal disc brake (MTB)	-	SM-PM50	-	SM-PM50	-	SM-PM50
	Clamp band	Open clamp band	-	-	-	-	-	-
	st	bumper op	-	-	-	-	-	-
		e (finger)	2	4	2	4	2	4
		able type adjuster	T-type -	T-type -	T-type -	T-type -	T-type -	T-type -
		WAVE	-	-	-	-	-	-
		adjust	1	1	1	1	1	1
		adjust	✓ Two hand	Two hand		√ Two hand	Two hand	✓ Two hand
		just type Material	Two hand Aluminum	Two hand Aluminum	Aluminum	Two hand Aluminum	Two hand Aluminum	Two hand Aluminum
	Brake lever	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket		Finish Material	Painted Steel	Painted Steel	Painted Steel	Painted Steel	Painted Steel	Painted Steel
	Clamp screw	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Average	weight (g)		-	-	-	-	-	-
N	ote			* 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	lel no.		ST-EF41-7R	ST-EF41-6R	ST-EF41-L
Color		1	Black	Black	Black
	er type	2	- EZ FIRE PLUS	- EZ FIRE PLUS	- EZ FIRE PLUS
		speeds	-	-	3
		peeds	7	6	-
	Compat	ible rear eur type	MTB 7-speed	MTB 6-speed	-
	Shift leve	r position just	-	-	-
	Shift lever cable adjust		_	_	1
	2/3 mode converter		-	_	-
		tiple shifts ver/rear)	3	3	-
	(iviain ie	MULTI RELEASE		-	-
	Release	INSTANT	-		
Shift lever	function	RELEASE	-	-	-
		2-WAY RELEASE	-	-	-
		With	√	1	1
	OPTICAL GEAR DISPLAY	With (remova ble)	-	-	-
	DISPLAY	Without	-	-	-
	Multi-l	Bearing	-	-	-
	Main	ruction Material	Resin	Resin	Resin
	lever body	Finish	-	-	-
	Release lever	Material	Resin	Resin	Resin
	body	Finish	- OT CICAD	- OT CICAD	- OT 51540
	Outer	casing Polymer-	OT-SIS40	OT-SIS40	OT-SIS40
		Polymer- coated cable	-	-	-
Shift lever cable	Inner	OPTISLIC	-	-	_
	cable	SIL-TEC	-	-	-
		Stainless	-	-	-
		Steel	1	1	1
		V-BRAKE Mechani	1	1	1
		Mechani cal disc brake (MTB)	1	1	•
		Mechani cal disc brake (Road)	-	-	-
	Compati ble brake	Caliper (SLR-EV)	-	-	-
	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	bumper op	-	-	-
	Lever siz	e (finger)	2	2	2
		ble type	T-type	T-type	T-type
		adjuster WAVE	-	-	-
		adjust	1	1	1
	Cable	adjust	1	1	1
		just type	Two hand	Two hand	Two hand
	Brake lever	Material Finish	Steel/Resin -	Steel/Resin -	Steel/Resin -
		Material	Steel	Steel	Steel
Bracket	Bracket	Finish	Painted	Painted	Painted
Diacret	Clamp screw	Material	Steel	Steel	Steel
Average	weight (g)	Finish	Zinc plated -	Zinc plated	Zinc plated
	ote				



Shift/Brake Lever (Drop Handlebar type)

Se	ries		TOURNEY	TOURNEY
Mod	el no.		ST-A070	ST-A073-L
Color		1	Series color	Series color
Color		2	-	-
Shifte	Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER
	Front	speeds	2	3
Shift lever	Rear	speeds	7	-
	Multi-l consti	bearing ruction	-	-
	Reach	adjust	Screw	Screw
	Clamp b	and (mm)	23.8-24.2	23.8-24.2
Brake lever	SLR-EV		-	-
	NEW SUPER SLR		-	-
	SUPE	R SLR	√	1
Bracket	Material		GFRP	GFRP
вгаскет	Finish		-	-
Brake lever	Material		Aluminum	Aluminum
brake lever	Fir	nish	Painted	Painted
	Outer	Lever side	OT-SIS40	OT-SIS40
	casing	Rear derailleu r side	OT-SIS40	OT-SIS40
Shift lever cable		Polymer- coated cable	-	-
Jim Cloth Cable	Inner	OPTISLIC K	-	-
	Inner cable	SIL-TEC	-	-
		Stainless	√ *	√ *
		Steel	-	-
Average	weight (g)		-	-
No	ote		* Option	* Option

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Mount Mode conv Cable adju Max. front dif	eds chain HIMANO SHADOW RD HIMANO SHADOW RD Double servo Direct attachment (conventional) Direct mount Riyeted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference	CUES RD-U8000 Series color	CUES RD-U8020 Series color - 11 LINKGLIDE, HG 11-speed	CUES RD-U6000 Series color - 11/10 LINKGLIDE, HG 11-speed	CUES RD-U6020-11 Series color	RD-U6020-10 Series color - 10 LINKGLIDE, HG 11-speed	CUES RD-U4000 Series color - 9 LINKGLIDE, HG 11-speed
Color Rear spec Compatible SH RD construction SH Mount Mode conv Cable adju Max. front dif Total capa	eds echain HIMANO SHADOW RD HIMANO SHADOW RD Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) Verter uster fference	Series color - 11 LINKGLIDE, HG 11-speed -	Series color 11 LINKGLIDE, HG 11-speed - - - - - - - - - - -	Series color	Series color	Series color - 10 LINKGLIDE, HG 11-speed	Series color - 9 LINKGLIDE, HG 11-speed
Rear spee Compatible SH RD construction SH Mount Mode conv Cable adju Max. front dif	eds echain HIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) Verter uster fference	- 11 LINKGLIDE, HG 11-speed - - - - - - - - - - - - -	- 11 LINKGLIDE, HG 11-speed -	- 11/10 LINKGLIDE, HG 11-speed	- 11 LINKGLIDE, HG 11-speed	- 10 LINKGLIDE, HG 11-speed	- 9 LINKGLIDE, HG 11-speed
Compatible SH RD construction SH Mount Mode conv Cable adju Max. front dif Total capa	eds e chain HIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference	LINKGLIDE, HG 11-speed - - - - - - - - - - - - -	LINKGLIDE, HG 11-speed - - - - - - - - - - - - -	LINKGLIDE, HG 11-speed - - - - - - - - - - -	11 LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	9 LINKGLIDE, HG 11-speed
Compatible SH RD construction SH Mount Mode conv Cable adju Max. front dif Total capa	e chain HIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster	LINKGLIDE, HG 11-speed - - - - - - - - - - - - -	LINKGLIDE, HG 11-speed - - - - - - - - - - - - -	LINKGLIDE, HG 11-speed - - - - - - - - - - -	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Mount Mode conv Cable adju Max. front dif	HIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster	- - - - -	· · · · · · · · · · · · · · · · · · ·		- - -	- - -	- - - -
Mount Mode conv Cable adju Max. front dif	Double servo Direct attachment (conventional) Direct mount Riyeted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference	- - - - -	- - - -		-	-	- - -
Mount (Mode conv Cable adju Max. front dif Total capa	Direct attachment (conventional) Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference		-	-	-	-	-
Mount (Mode conv Cable adju Max. front dif Total capa	Direct mount Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference	- - - -		-	-	-	-
Mode conv Cable adju Max. front dif Total capa	Riveted adapter (ROAD type) Riveted adapter (BMX-track type) verter uster fference	- - - -	- -	-			
Mode conv Cable adju Max. front dif Total capa	Riveted adapter (BMX-track type) verter uster fference	- - -	-	-	-	-	-
Mode conv Cable adju Max. front dif Total capa	verter uster fference	1		-	-	-	
Cable adju Max. front dif Total capa	uster fference	1		- 1			-
Max. front dif Total capa	fference	-	1		-	-	-
Total capa		ΛT	-	1	1	✓	√
1	acıty		14T	0T	14T	16T	0T
I .		39T	48T	39T	48T	44T	35T
Low sprocket	Max.	50T	45T	50T	45T	39T	46T
	Min. Max.	50T 11T	45T 11T	48T 11T	45T 11T	39T 11T	41T 11T
Top sprocket							
Fluoric coated lin	Min.	11T 4	11T 4	11T 3	11T 3	11T 3	11T 1
Tidone coated iiii	Guide pulley bearing	Sealed bearing	Sealed bearing	-	-	-	-
	Tension pulley bearing	Sealed bearing	-	-	-	-	-
Pulley	Teeth	13/13T	11/13T	13/13T	11/13T	11/13T	13/13T
	Screws material	Steel	Steel	Steel	Steel	Steel	Steel
Si	Sunken type pulley screw	✓	1	1	1	1	✓
Bracket	Material	-	-	-	-	-	-
Бгаскес	Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle	Material	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Black	Black	-	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	
Bracket body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
-	Finish	Painted	Painted	Painted	Painted	Painted	Painted
P-axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
+	Finish Material	- PA+GF	PA±GF	PA : GF	PA+GF	PAIGE	DA . CE
Plate body	Material Finish	PA+GF -	PA+GF -	PA+GF -	PA+GF -	PA+GF -	PA+GF -
Outor limb	Material	Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	PA+GF
Outer link	Finish	Painted	Painted	Painted	Painted	Painted	-
Inner link	Material	Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	Aluminum
milei mik	Finish	Painted	Painted	Painted	-	-	Painted
Outer plate	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner plate	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
. ,	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fixing screw	Material Finish	Stainless steel Black	Stainless steel Black	Stainless steel	Stainless steel	Stainless steel	Stainless steel
+	Material	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Average wei		-	-	-	-	- Idea	-
Note	- 101	E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated

FD

BL

ВВ

ВВ

MF

НВ

НВ

FH

RD

Ser	ries	CUES	CUES	SHIMANO ALIVIO	ALTUS	ALTUS	SHIMANO ESSA
Mode	el no.	RD-U4020	RD-U3020	RD-M3100-SGS	RD-M2000	RD-M370-SGS	RD-U2000
	1	Series color	Series color	Series color	Series color	Black	Series color
Color	2	-	-	-	-	Silver	-
Rear s		9	9	9	9	9	8
Compatil		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 8/7/6-speed
	SHIMANO SHADOW	✓		1	1	-	1
RD construction	SHIMANO SHADOW RD+	-	-	-	-	-	-
	Double servo	-	-	-	-	1	-
	Direct attachment (conventional)	1	1	1	1	1	1
	Direct mount	-	-	-	-	-	-
Mount	Riveted adapter (ROAD type)	-	-	-	-	-	-
	Riveted adapter (BMX-track type)	-	-	-	-	-	-
Mode co	onverter	-	-	-	-	-	-
Cable a	djuster	✓	1	1	✓	✓	1
Max. front	difference	16T	16T	22T	22T	22T	ОТ
Total ca	apacity	41T	41T	45T	45T	45T	34T
	Max.	36T	36T	36T	36T	34T	45T
Low sprocket	Min.	36T	36T	32T	32T	28T	45T
	Max.	11T	11T	12T	12T	11T	11T
Top sprocket	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated	link bushings	1	-	1	-	-	-
	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley bearing	-	-	-	-	-	-
Pulley	Teeth	11/11T	11/11T	11T	11T	11/11T	11/11T
	Screws material	Steel	Steel	Steel	Steel	Steel	Steel
	Sunken type pulley screw	✓	1	1	✓	√ (guide pulley), - (tension pulley)	1
	Material	-	-	Steel	Steel	-	-
Bracket	Finish	-	-	Painted	Painted	-	-
	Hollow axle	-	-	1	-	-	-
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	-	_
B-axle 2	Material	-	-	Stainless steel	Stainless steel	-	-
	Finish	_	-	-	-	_	_
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Bracket body	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	-	-	Zinc plated	Zinc plated	Zinc plated	Zinc plated
	Material	PA+GF	PA+GF	PA+GF	PA+GF	Resin	PA+GF
Plate body	Finish	- -	PA+GF	PA+GF	-	Painted	PA+GF
Outen Bel	Material	PA+GF	PA+GF	PA+GF	PA+GF	Steel	PA+GF
Outer link	Finish	-	-	-	Painted	Painted	-
	Material	PA+GF	PA+GF	Steel	Steel	Steel	PA+GF
Inner link	Finish	-	-	Painted	Zinc plated	Painted	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
_	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel	Stainless Steel
Cable fixing screw	Finish	-	-	-	-	Zinc plated	-
			C. 1	Steel	Steel	Steel	Steel
Stroke adjusting	Material	Steel	Steel	Steel	Jieei	Steel	Stee.
Stroke adjusting screw	Material Finish	Steel Plated	Plated	Plated	Zinc plated	Zinc plated	Plated
Stroke adjusting screw	Finish						

RD construction	1 2 Deeds le chain SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	RD-M3020-8 Black 8/7 HG 8/7/6-speed	RD-M310-Smart Black Silver 8/7 HG 8/7/6-speed	RD-TX800 Black Silver 8/7 HG 8/7/6-speed -	RD-A070 Series color - 7 HG 8/7/6-speed	RD-TY500-SGS Series color - 7/6 HG 8/7/6-speed	RD-TY300-SGS Series color - 7/6 HG 8/7/6-speed
Rear sp Compatib RD construction	2 seeds le chain SHIMANO SHADOW SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	- 8/7 HG 8/7/6-speed - - - -	Silver 8/7 HG 8/7/6-speed - -	Silver 8/7 HG 8/7/6-speed	7	- 7/6	- 7/6
Rear sp Compatib RD construction	seeds le chain SHIMANO SHADOW SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	8/7 HG 8/7/6-speed - - - -	8/7 HG 8/7/6-speed - -	8/7 HG 8/7/6-speed -	7		
Compatib RD construction Mount	le chain SHIMANO SHADOW RD+ SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed -			
RD construction	SHIMANO SHADOW SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)		-	-	HG 8/7/6-speed -	HG 8/7/6-speed	HG 8/7/6-speed
RD construction	SHIMANO SHADOW RD+ Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	√ √	1	-	-		
Mount	Double servo Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	√ √	1	-		-	-
	Direct attachment (conventional) Direct mount Riveted adapter (ROAD type)	1			-	-	-
	(conventional) Direct mount Riveted adapter (ROAD type)		1	✓	-	1	1
	Direct mount Riveted adapter (ROAD type)	-		1	1	1	1
	Riveted adapter (ROAD type)		-	_	-	-	-
Mode co	(ROAD type)						
Mode co	Riveted adapter	-	-	-	,	/	√
Riveted adapter (BMX-track type)		-	-	-	-	✓	✓
Mode converter		-	-	-	-	-	-
Cable ad	ljuster	✓	1	1	✓	1	✓
Max. front	difference	20T	20T	20T	20T	20T	20T
Total cap	pacity	45T	43T	43T	37T	43T	43T
Low sprocket	Max.	40T	34T	34T	28T	34T	34T
Low sprocket	Min.	30T	28T	28T	28T	28T	28T
Top sprocket	Max.	12T	14T	14T	14T	14T	14T
iop spiocket	Min.	11T	11T	11T	11T	11T	11T
Fluoric coated I	link bushings	1	-	-	-	-	-
	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley bearing	-	-	-	-	-	-
Pulley	Teeth	11T	13/15T	13/13T	11/13T	13/13T	13/13T
F	Screws material	Steel	Steel	Steel	Steel	Steel	Steel
F	Sunken type pulley screw	1	-	-	-	-	-
-		-	_	_	_	_	
Bracket	Material Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	-	<u>-</u>
B-axle	Material	Stainless steel	Stainless steel	Stainless steel	Steel	Steel	Steel
D-date	Finish				MnPO4	Zinc plated	Zinc plated
	Hollow axle	<u> </u>	-	-	-	Zinc placed	- Line plated
B-axle 2	Material Material	-	-	-	-	-	-
D date 2	Finish	-	-	-	-	-	<u> </u>
	Material	Aluminum	Aluminum	Resin	Resin	Resin	Resin
Bracket body	Finish	Painted	Painted	Painted	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	Zinc plated	Zinc plated	Zinc plated	Plated	Zinc plated	Zinc plated
	Material	PA+GF	Resin	Resin	Resin	Resin	Resin
Plate body	Finish	-	-	-	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Resin	Steel
Inner link	Finish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	-	Zinc plated
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer plate	Finish	Painted	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner plate	Finish	Painted	Zinc plated	Zinc plated	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Finish	Zinc plated	Zinc plated	Zinc plated	Zinc Plated	Zinc plated	Zinc plated
Stroke adjusting	Material	Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw	Finish	Zinc plated	Zinc plated	Zinc plated	Zinc Plated	Zinc plated	Zinc plated
Average w		-	-	-	-	-	-
	Note					w/ Wheel type cable guide	

FD

BL

ВВ

ВВ

MF

НВ

НВ

FH

FH

SVV

RD

Ser	ies	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY TZ
Mode		RD-TY200-SS	RD-TY200-GS	RD-FT35-A-SS	RD-TY21-B-SS	RD-TY21-B-GS	RD-TZ500-GS
	1	Black	Black	Black	Black	Black	Series color
Color	2	-	-	-	Silver	Silver	-
Rear s		7/6 (front single)	7/6	7/6 (front single)	6	6	6
Compatil		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		_	_		_	
RD construction							
no construction	SHIMANO SHADOW RD+ Double servo	-	-	-	-	-	-
	Direct attachment (conventional)	1	1	1	1	1	1
	Direct mount	-	_	-	-	_	-
Mount	Riveted adapter (ROAD type)	4	1	1	1	1	4
	Riveted adapter (BMX-track type)	√	-	1	-	_	
Mada a		-					
	Mode converter Cable adjuster		-	-	-	-	-
		√ 0T	-	OT	-		
	Max. front difference Total capacity		20T 34T	17T	13T 28T	20T 34T	20T 34T
iotal Ca	Total capacity Max.		28T	28T	28T	28T	28T
Low sprocket	Min.	34T 28T	28T	28T	28T	28T	28T
	Max.	14T	14T	14T	14T	14T	14T
Top sprocket	Min.	12T	14T	11T	14T	14T	14T
Fluoric coated	link bushings	-	-	-	-	-	-
	Guide pulley bearing	-	-	-	-	-	-
	Tension pulley	-	-	-	-	-	
Pulley	bearing						
rulley	Teeth	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T
	Screws material	Steel	Steel	Steel	Steel	Steel	Steel
	Sunken type pulley screw	-	-	-	-	-	-
Bracket	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
	Hollow axle	-	-	-	-	-	-
B-axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Black	Black	Black	Black	Black	Black
	Hollow axle	-	-	-	-	-	-
B-axle 2	Material	-	-	-	-	-	-
	Finish Material	- Paris	- Danie	- Danie	- Danie	- Danim	-
Bracket body	Finish	Resin -	Resin -	Resin	Resin -	Resin -	Steel Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
P-axle	Finish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
	Material	Resin	Resin	Resin	Resin	Resin	Resin
Plate body	Finish	-	-	-	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Finish	Painted	Painted	Painted	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)	Painted
	Material	Resin	Resin	Steel	Steel	Steel	Steel
Inner link	Finish	Painted	Painted	Zinc plated	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)	Zinc plated
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer plate	Finish	Painted	Painted	Painted	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Inner plate	Finish	Painted	Painted	Painted	Painted (black), Zinc plated (silver)	Painted (black), Zinc plated (silver)	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw	Finish	Zinc Plated	Zinc Plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Stroke adjusting screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Zinc Plated	Zinc Plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average v		-	-	-	-	-	-
No	te						

Mode Top To	Ser	ies		CUES	CUES	CUES	CUES	CUES	CUES
The continue of the continu									
Potentian	Wida	1							
Front speeds	Color	2		Jeries Coloi	Series Color	Series Color	Series Color	Series Coloi	Jeries Coloi
Rear y=y=refs	Event		_	2	2	2	2	2	2
Compatible than Link Compatible Com		•							
Top Swith	Real S	peeus							
Action	Compati	ble chain							
Mount		TOP S	WING	✓	-	-	-	✓	-
Mount Second Part Second Part Second Part Member Second Part Member	Action	Down	swing	-	-	-	-	-	-
Mount Mou		28.6		-	1	1	✓	-	1
Mount 31.8			28.6	-	-	-	-	✓ (w/ S size adapter)	-
Mount Fetype Moth Fetype Moth Fetype Moth Fetype Moth Fetype Moth Fetype Moth Fetype Fetype Moth Fetype		Clamp band	31.8		-	-			-
Mount February					-	-		-	-
Properties	Mount		With bottom bracket	-	-	-	-	-	-
Direct mount		E-type	Without bottom bracket	-	-	1	-	-	-
Brazed-on		P! ·	-						•
Cable adjust					-				
Cable route type			ed-on						
Top-pull exclusive	Cable								
Down-pull exclusive -									
Front-pull	Cable route type					-			
Chain line (mm)		Down-pull excl				-			
Chainstay angle (deg.)		Front-pull			-	-	-		
Top gear teeth 46T 36T, 40T 36T, 40T 36T, 40T 40T (2x11-speed), 46T (2x11-speed), 40T (2x11-speed), 40	Chain line (mm)		48.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8	48.8/51.8	
Top gear teeth 46T 36T, 40T	Chainstay angle (deg.)		63-68	64-69	64-69	64-69	63-68	64-69	
Applicable top-mid tooth difference Multi access cable fixing screw Angled stroke adjust screw Angled stroke ad	Top gea	Top gear teeth		46T	36T, 40T	36T, 40T	36T, 40T	46T (2x11/	36T, 40T
Multi access caljust screw - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<	Total ca	apacity		16T	14T	14T	14T	16T	14T
Angled stroke adjust screw ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	Applicable top-mi	d tooth dif	ference	-	-	-	-	-	-
Angled clamp band design ✓ · · ✓ ✓ · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · ·	Multi access cal	ole fixing s	crew	-	-	-	-	-	-
Multi-bearing construction	Angled stroke	adjust scr	ew	✓	1	1	1	1	✓
Link bushings 4 4 4 4 4 4 4 4 4	Angled clamp	band desi	gn	✓	-	-	✓	✓	-
Material Aluminum -	Multi-bearing	constructi	on	-	-	-	-	-	-
Front clamp band Finish Painted -	Link bu	ıshings		4	4	4	4	4	4
Finish Painted -	Event dame have	Mat	terial	Aluminum	-	-	Steel	Aluminum	-
Painted Pain	rront clamp band	Fir	nish	Painted	-	-	Painted	Painted	-
Painted Pain	Rear clamp band	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clamp screw Finish - - - - - - - - -	base bracket	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Bottom bracket plate Finish Finish Finish Finish Finish Finish Finish For Couter link Material Finish Finish Finish For Couter link Finish For	Clamp	Mat	terial	Stainless steel	-	-	Stainless steel	Stainless steel	-
Finish F	ciamp screw	Fin	nish	-	-	-	-	-	-
Outer link Material Steel Ste	Bottom bracket	Mat	terial	-	-	-	-	-	-
Outer link Finish Painted Aluminum Alumin	plate	Fir	nish	-	-	-	-	-	-
Finish Painted	0	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Painted Pain	Outer link	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide Material Steel Ste	In	Mat	terial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Chain guide Finish Chrome plated Plated Cable fixing screw Material Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Stainless steel Steel Steel Stainless steel Steel Steel Stainless steel Steel Steel Steel Steel Steel Steel Phosphate coated Phosphate coated Phosphate coated Phosphate coated - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Inner link	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
Cable fixing screw Material Stainless steel S	- · · ·	Material		Steel	Steel	Steel	Steel	Steel	Steel
Cable fixing screw Material Stainless steel Stainless steel	Chain guide	ide 		Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Plated
Cable fixing screw Finish	611.61	Material		-	-	Stainless steel		Stainless steel	Stainless steel
Stroke adjusting screw Material Stainless steel Steel Steel Steel Stainless steel Steel Steel	Cable fixing screw	ng screw		-		-			
Finish - Phosphate coated Phosphate coated - Phosphate - Phos	Stroke adjusting	No. a control		Stainless steel	Steel	Steel	Steel	Stainless steel	Steel
Average weight (g) (band type: L size, direct type w/ screw)	screw								
	Average weight (g)						_	_	
Note -			•		-	-	-	-	_
	No	re							-

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Ser	ries		CUES	CUES	CUES	CUES	SHIMANO ALIVIO	SHIMANO ALIVIO
Mode	odel no.		FD-U4000-E	FD-U4000-M	FD-U4000-L	FD-U4010-L	FD-M4020-M	FD-M3100-M
	1		Series color	Series color	Series color	Series color	Series color	Series color
Color	2		-	-	-	-	-	-
Front			2	2	2	2	2	3
Rear s			10/9	10/9	10/9	9	9	9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	HG 9-speed	HG 9-speed	
	TOP SWING		- -	-	1	1	-	-
Action	Down swing		-	-	-	-	-	-
	SIDE SWING 28.6		1	4	-	-	1	1
			-	-	-	-	✓ (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)
	(mm)		-	1	1	1	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	1	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
		ed-on	-	-	-	-	-	-
Cable		-	-	-	-	-		-
		l-pull	-	-	1	1	-	-
		exclusive	-	-	-	-	-	-
Cable route type			-	-	-	-	-	-
	Down-pull exclusive Front-pull		1	1	-	-	1	1
Chain li	Chain line (mm)		48.8/51.8	48.8/51.8	48.8/51.8	48.8	48.8	50
	Chainstay angle (deg.)		64-69	64-69	64-69	63-68	64-69	66-69
	Top gear teeth		36T, 40T	36T, 40T	36T, 40T	46T	36T	40T
Total ca			14T	14T	14T	16T	14T	18T
Applicable top-mi		ference	-	-	-	-	-	10T
Multi access cal			-	-	-	-	-	-
Angled stroke			1	1	1	1	1	1
Angled clamp	band design	gn	-	1	1	1	-	1
Multi-bearing		_	-	-	-	-	-	-
	ıshings		4	4	-	-	4	4
		erial	-	Steel	Steel	Steel	Steel	Steel
Front clamp band	Fin	ish	-	Painted	Painted	Painted	Painted	Painted
Rear clamp hand	Mat	erial	Aluminum	Aluminum	Steel	Steel	Aluminum	Aluminum
Rear clamp band, base bracket	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Clause	Mat	erial	-	Steel	Steel	Stainless steel	Stainless steel	Steel
Clamp screw	Fin	ish	-	-	Nickel plated	-	-	-
Bottom bracket	Mat	erial	-	-	-	-	-	-
Bottom bracket plate	Fin	ish	-	-	-	-	-	-
Outor link	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link	Fin	ish	Painted	Painted	Plated	Plated	Painted	Painted
Inner link	Mat	erial	Aluminum	Aluminum	Steel	Steel	Aluminum	Aluminum
iiiiei iiik	Fin	ish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Chain guide Material		Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Chain guide Finish		Plated	Plated	Plated	Plated	Chrome plated	Chrome Plated
Cable fiving server	Mat	erial	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable lixing sciew	Cable fixing screw Finish		-	-	-	-	-	-
Stroke adjusting screw	Mat	erial	Steel	Steel	Steel	Stainless steel	Stainless steel	-
		ish	Phosphate coated	Phosphate coated	Zinc plated	-	-	-
Average weight (g) direct type	(band type	e: L size,	-	-	-	-	-	-
No			-	-			-	
	-		L			I.	I.	I

Sei	ries		SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	SHIMANO ALIVIO	ACERA	ALTUS
Mode	del no.		FD-M3120-D	FD-M3120-E	FD-M3120-M	FD-M3120-M-B	FD-M3000-TS6	FD-M2020-TS
	1 2		Series color	Series color	Series color	Series color	Black	Series color
Color			-	-	-	-	-	-
Front :	speeds		2	2	2	2	3	2
Rear s	peeds		9	9	9	9	9	9
Compati	ble chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
·	TOP S	WING	-	-	-	-	1	1
Action		swing	-	-	-	-	-	-
		SWING	1	1	1	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)			
	34.9		-	-	1	1	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	1	-	-	-	-
	Direct	mount	1	-	-	-	-	-
	Brazed-on		+	-	-	-	-	-
Cable	le adjust		-	-	-	-	-	-
		l-pull	-	-	-	-	1	1
	Dual-pull Top-pull exclusive		_	-	-	-	-	-
Cable route type	Down-pull exclusive Front-pull		-	-	-	-	-	-
			1	1	1	1	-	-
Chain li	Chain line (mm)		48.8/51.8	48.8/51.8	48.8	51.8	50	48.8/51.8 *
	Chainstay angle (deg.)		64-69	64-69	64-69	64-69	66-69	64-69
	Top gear teeth		36T	36T	36T	36T	40T	36T
Total c			14T	14T	14T	14T	18T	14T
Applicable top-mi	• •	ference	-	-	-	-	10T	-
Multi access cal			-	_	_	-	-	-
Angled stroke			1	1	1	1	1	1
Angled clamp			1	1	1	1	1	1
Multi-bearing		_	<u> </u>	-	_	-	_	-
Link bu		011	4	4	4	4	_	-
Link De		terial	_	-	Steel	Steel	Steel	Steel
Front clamp band		nish	-	-	Painted	Painted	Painted	Painted
		terial	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Rear clamp band, base bracket		nish	Painted	Painted	Painted	Painted	Painted	Painted
		terial	Steel	Steel	Steel	Steel	Stainless steel	Steel
Clamp screw	——	nish	-	-	-	-	-	Nickel plated
		terial	-	-	-	-	-	-
Bottom bracket plate	-	nish	-	-	-	-	-	-
		terial	Steel	Steel	Steel	Steel	Steel	Steel
Outer link		nish	Painted	Painted	Painted	Painted	Painted	Zinc plated
		terial	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Inner link		nish	Painted	Painted	Painted	Painted	Painted	Painted
			Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Material Finish		Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome plated	Chrome plated
	Finish Material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Cable fixing screw	Material Finish		-	-	-	-	-	-
	Finish Material		<u> </u>	-	-	-	Steel	Steel
Stroke adjusting screw		nish	-	-	-	-	Zinc plated	Zinc plated
Average weight (g			-	-	-	-	-	-
	ote							* Boost spec.
			1	1		<u> </u>	1	

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Ser	ies		ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS
Mode	lodel no.		FD-M2000-TS3	FD-M2000-TS6	FD-M2000-DS3	FD-M2000-DS6	FD-M370-3	FD-M370-6
	1 2		Black	Series color	Black	Series color	Series color	Series color
Color			-	-	-	-	-	-
Front	peeds		3	3	3	3	3	3
Rear s	peeds		9	9	9	9	9	9
Compatil	ole chain		HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed	HG 9-speed
	TOP S	WING	1	1	-	-	1	1
Action	Down	swing	-	-	1	1	-	-
	SIDE S	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 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	1	1	1	1	1
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-	-	-
	Direct m		-	-	-	-	-	-
	Braze		-	-	-	-	-	-
Cable	adjust		-	-	-	-	-	-
	Dua	l-pull	1	1	1	1	1	1
	Top-pull exclusive		-	-	-	-	-	-
Cable route type	Down-pull exclusive		-	-	-	-	-	-
	Front-pull		-	-	-	-	-	-
Chain li	Chain line (mm)		50	50	50	50	50	50
Chainstay angle (deg.)		63-66	66-69	63-66	66-69	63-66	66-69	
Top gear teeth		40T	40T	40T	40T	44T, 48T	44T, 48T	
Total ca	apacity		18T	18T	18T	18T	22T	22T
Applicable top-mi	d tooth diff	ference	10T	10T	10T	10T	12T	12T
Multi access cal	ole fixing so	crew	-	-	-	-	-	-
Angled stroke	adjust scr	ew	1	1	1	1	-	-
Angled clamp	band desi	gn	1	1	1	✓	✓	✓
Multi-bearing	constructi	on	-	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-	-
Front clamp band	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
	Fin	nish	Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp band, base bracket	Mat	terial	Steel	Steel	Aluminum	Aluminum	Steel	Steel
Dase Diacket		nish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw		terial	Steel	Steel	Steel	Steel	Steel	Steel
-		nish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Bottom bracket plate		terial	-	-	-	-	-	-
Piace		nish	-	-	-	-	-	-
Outer link		terial	Steel	Steel	Steel	Steel	Steel	Steel
		nish	Zinc plated	Zinc plated	Painted	Painted	Painted	Painted
Inner link		terial	Steel	Steel	Steel	Steel	Steel	Steel Painted
		nish Porial	Painted Steel	Painted Steel	Painted/Zinc plated Steel	Painted/Zinc plated	Painted Steel	Steel
Chain guide	de Material Finish		Chrome plated	Chrome plated	Chrome plated	Steel Chrome plated	Chrome plated	Chrome plated
	Finish Material		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Steel	Steel
Cable fixing screw			-	-	-	-	Nickel plated	Nickel plated
Canalas a l'	Finish		Steel	Steel	Steel	Steel	Steel	Steel
Stroke adjusting screw		nish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) direct type			praceu		placea	placea		pracea
					_			_
No	Note							

Sei	ries		ALTUS	ALTUS	ALTUS	ALTUS	ALTUS	ALTUS
Mode	el no.		FD-M371-3	FD-M371-6	FD-M315-TS	FD-M313-3	FD-M313-6	FD-M310-3
		1	Series color	Series color	Series color	Series color	Series color	Series color
Color	t speeds		-	-	-	-	-	-
Front			3	3	2	3	3	3
	peeds		9	9	8/7	8/7	8/7	8/7
	ble chain		HG 9-speed	HG 9-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed	HG 8/7/6-speed
	ı	WING	-	-	1	-	-	✓
Action		swing	1	1	-	1	1	-
		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 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 With		1	1	1	1	1	1
Mount	_	With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
	Brazed-on		-	-	-	-	-	-
Cable	e adjust		-	-	-	-	-	-
	Dua	l-pull	✓	1	1	✓	1	✓
Cable route type	Top-pull exclusive Down-pull exclusive Front-pull		-	-	-	-	-	-
Cable foute type			-	-	-	-	-	-
			-	-	-	-	-	-
Chain li	Chain line (mm)		50	50	48.8/51.8 *	47.5/50	47.5/50	47.5/50
Chainstay a	Chainstay angle (deg.)		63-66	66-69	64-69	63-66	66-69	63-66
Top gea	Top gear teeth		44T, 48T	44T, 48T	36T	42T, 48T	42T, 48T	42T, 48T
Total c	apacity		22T	22T	14T	20T	20T	20T
Applicable top-mi	d tooth dif	ference	12T	12T	-	10T	10T	10T
Multi access cal	ble fixing s	crew	-	-	-	-	-	-
Angled stroke	e adjust scr	ew	-	-	1	-	-	-
Angled clamp	band desi	gn	✓	1	1	1	✓	✓
Multi-bearing	constructi	on	-	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-	-
Front clamp band	Mat	terial	Steel	Steel	Steel	Steel	Steel	Steel
Tront clamp band	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Rear clamp band, base bracket	Mat	terial	Aluminum	Aluminum	Steel	Aluminum	Aluminum	Steel
base bracket	Fir	nish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw		terial	Steel	Steel	Steel	Steel	Steel	Steel
	Fir	nish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Bottom bracket		terial	-	-	-	-	-	-
plate		nish	-	-	-	-	-	-
Outer link		erial	Steel	Steel	Steel	Steel	Steel	Steel
		nish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link		terial	Steel	Steel	Zinc plated	Steel	Steel	Steel
		nish	Painted	Painted	Painted	Painted	Painted	Painted
Chain guide	Material		Steel	Steel	Steel	Steel	Steel	Steel
	Finish		Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated
Cable fixing screw	Material Finish		Steel	Steel Nickel plated				
	Finish		Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Stroke adjusting screw	Material Finish		Steel Zinc plated	Steel Zinc plated	Steel Zinc plated	Steel Zinc plated	Steel Zinc plated	Steel Zinc plated
			Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g direct type		L 312C,	-	-	-	-	-	-
No	ote				* Boost spec.			

Front Derailleur

The color The	Ser	ies		ALTUS	TOURNEY TX	TOURNEY TX	TOURNEY	TOURNEY	TOURNEY
The content Color	Mode	el no.		FD-M310-6	FD-TX800-TS3	FD-TX800-TS6	FD-TY600-L6	FD-TY600-L3	FD-TY601-L6
Post	Color		1	Series color	Black	Series color	Series color	Series color	Series color
Rear speeck	Color	:	2	-	-	-	-	-	-
Action	Front	peeds		3	3	3	3	3	3
Action	Rear s	peeds		8/7	8/7	8/7	8/7/6	8/7/6	8/7/6
Action Down warms SIDE SWING	Compati	ole 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
SISE WHIGE		TOP S	WING	1	1	✓	✓	✓	✓
Mount Size adapters	Action	Down	swing	-	-	-	-	-	-
Mount Second Se		SIDE S	WING	-	-	-	-	-	-
Mount			28.6	√ (w/ S size adapter)	√ (w/ S size adapter)	√ (w/ S size adapter)	-	-	-
Mount F-type Description		Clamp band (mm)	31.8				✓	✓	•
Potential			34.9	1	1	1	1	1	1
Direct mount - - - - - - - - -	Mount	Etuno	With bottom bracket plate	-	-	-	-	-	-
Cable adjust		Е-туре	bottom bracket	-	-	-	-	-	-
Cable adjust		Direct	mount	-	-	-	-	-	-
Cable route type			ed-on	-	-	-	-	-	-
Top-pull exclusive	Cable	adjust		-	-	-	-	-	-
Down-pull exclusive		Dua	l-pull	✓	1	1	✓	✓	✓
Down-pull exclusive	Cable route type	Down-pull exclusive		-	-	-	-	-	-
Chain line (mm)	3,			-	-	-	-	-	-
Chainstay angle (deg)		Front-pull		-	-	-	-	-	-
Top gear teeth	Chain li	Chain line (mm)		47.5/50	47.5/50	47.5/50	47.5/50	47.5/50	47.5/50
Total capacity	Chainstay a	Chainstay angle (deg.)		66-69	63-66	66-69	66-69	63-66	66-69
Applicable top-mid tooth difference Multi access cable fixing screw Angled storke adjust screw Angled damp band design Front clamp band Rear clamp band Finish Painted Finish Pointed Bottom bracket Plate Finish Anterial Bottom bracket Plate Anterial Anterial Anterial Steel Ste					-				
Multi access cable fixing screw Angled stroke adjust screw Angled clamp band design Entity bushings Angled clamp band Angled clamp band design Angled clamp band design Angled clamp band design Angled clamp band Angled clamp band design Angled clamp ba		Total capacity							
Angled stroke adjust screw Angled clamp band design Eink bushings Angled in Steel Angled clamp band Angled clamp band Angled clamp band Angled clamp band Front clamp band Front clamp band Finish Angled Painted Angled Steel Angled Ang									
Angled clamp band design Multi-bearing construction Link bushings									
Multi-bearing construction Link bushings Front clamp band Finish Painted Painted Painted Painted Zinc plated Zin									
Front clamp band Material Steel									
Front clamp band Front clamp band Front clamp band Finish Painted Painted Painted Painted Painted Zinc plated Zinc plate			on						
Front clamp band Finish Painted Painted Painted Zinc plated Zinc plated Zinc plated Steel	LINK DL								
Rear clamp band, base bracket Finish Painted Painted Painted Painted Zinc plated Xickel	Front clamp band			1					
Painted Pain							•		-
Material Steel S	Rear clamp band, base bracket								
Finish Nickel plated							•		·
Bottom bracket plate	Clamp screw								
Finish Finish Finish Finish Finish Finish Finish Painted				·	-	·	<u> </u>	-	·
Outer linkMaterialSteelSteelSteelSteelSteelSteelInner linkMaterialSteelSteelSteelSteelSteelFinishPaintedPaintedPaintedPaintedPaintedChain guideFinishChrome platedChrome platedChrome plated/PaintedChrome plated/PaintedChrome plated/PaintedChrome plated/PaintedCable fixing screwMaterialSteelSteelSteelSteelFinishNickel platedNickel platedNickel platedNickel platedStroke adjusting screwMaterialSteelSteelSteelSteelFinishZinc platedZinc platedZinc platedZinc platedZinc platedAverage weight (g) (band type: L size, direct type w/screw)	Bottom bracket plate								
Outer link Finish Painted Zinc plated Painted Painted Painted Painted Painted Painted Painted Chrome plated/Painted Chrome plated/Painted Chrome plated/Painted Chrome plated/Painted Steel Steel<									
Material Steel S	Outer link								
Painted Pain							•		·
Chain guide Material Steel Steel Steel Steel Steel Cable fixing screw Screw Material Steel Steel Steel Steel Steel Steel Stroke adjusting screw Material Steel Nickel plated Nickel plated Nickel plated Nickel plated Nickel plated Nickel plated Stroke adjusting screw Material Steel Steel Steel Steel Steel Finish Zinc plated Zinc plated Zinc plated Zinc plated Zinc plated Average weight (g) (band type: L size, direct type w/screw) - - - - - - - -	Inner link								
Cable fixing screw Material Steel Stee									
Cable fixing screw Material Steel Steel Steel Steel Steel Steel Steel Steel Steel	Chain guide			Chrome plated	Chrome plated	Chrome plated	Chrome plated/ Painted	Chrome plated/ Painted	Chrome plated/ Painted
Cable fixing screw Finish Nickel plated Steel Stee	Mater		erial	Steel	Steel	Steel			
Stroke adjusting screw Material Steel S	Cable fixing screw	w		Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Nickel plated
Finish Zinc plated	Stroke adjusting	Finish		· · · · · · · · · · · · · · · · · · ·	-	Steel	Steel	·	-
	screw	Fin	ish			Zinc plated			
	Average weight (g) direct type	(band type w/ screw)	e: L size,	-	-	-	-	-	-
							-	-	-

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Ser	ries		TOURNEY	TOURNEY	TOURNEY	TOURNEY	TOURNEY TZ	TOURNEY TZ
	del no.		FD-TY601-L3	FD-TY606-L	FD-TY300-DS6(475)	FD-TY300-DS6(50)	FD-TZ500-DS6	FD-TZ510-DS6
Wode	1				, ,	Series color	Series color	
Color			Series color	Series color	Series color	-	-	Series color
Front :	speeds		3	2	3	3	3 (friction)	3 (friction)
Rear s	peeds		8/7/6	8/7/6	7/6	7/6	7/6	7/6
Compatil	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 S	WING	1	1	-	-	-	-
Action	Down	swing	-	-	1	1	1	1
		WING	-	-	-	-	-	-
			-	-	1	-	1	1
	Clamp band 31.8 (mm) 34.9		1	1	1	_	· /	1
	34.9		· ·	1	-	1	-	-
Mount		With bottom bracket plate	-	-	-	-	-	-
	E-type	Without bottom bracket plate	-	-	-	-	-	-
	Direct	mount	-	-	-	-	-	-
	Brazed-on		-	-	-	-	-	-
Cable	adjust		-	-	-	-	-	-
	Dua	l-pull	✓	✓	-	-	-	-
	Top-pull	exclusive	-	-	1	✓	✓	✓
Cable route type	Down-pull exclusive Front-pull		-	-	1	1	✓	1
			-	-	-	-	-	-
Chain li	Chain line (mm)		47.5/50	48.8	47.5	50	47.5	47.5
Chainstay a	Chainstay angle (deg.)		63-66	63-68	66-69	66-69	66-69	66-69
Top gea	Top gear teeth		48T	46T	42T	42T	42T	48T
Total ca	Total capacity		20T	16T	18T	18T	18T	20T
Applicable top-mi	d tooth diff	erence	10T	-	8T	8T	8T	10T
Multi access cal	ble fixing so	rew	-	-	-	-	-	-
Angled stroke	adjust scr	ew	-	-	-	-	-	-
Angled clamp	band desi	gn	1	1	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Link bu	ıshings		-	-	-	-	-	-
	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Front clamp band	Fin	ish	Zinc plated	Painted	Painted	Painted	Painted	Painted
Rear clamp band	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Rear clamp band, base bracket	Fin	ish	Zinc plated	Painted	Painted	Painted	Painted	Painted
Clause	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Clamp screw	Fin	ish	Nickel plated	Nickel plated	Nickel plated	Nickel plated	Zinc plated	Zinc plated
Bottom bracket	Mat	erial	-	-	-	-	-	-
Bottom bracket plate	Fin	ish	-	-	-	-	-	-
0	Mat	erial	Steel	Steel	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Outer link	Fin	ish	Zinc plated	Zinc plated	Painted	Painted	Painted	Painted
Innov liel	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Inner link	Fin	ish	Painted	Painted	Zinc plated	Zinc plated	Painted	Painted
	Material		Steel	Steel	Steel	Steel	Steel	Steel
Chain guide	Finish		Chrome plated/ Painted	Chrome plated	Zinc plated	Zinc plated	Painted	Painted
Cable fiving screen	Material ble fixing screw		Steel	Steel	Steel	Steel	Steel	Steel
cable fixing sciew	v Material Finish		Nickel plated	Nickel plated	Nickel plated	Nickel plated	Zinc plated	Zinc plated
Stroke adjusting screw	Finish		Steel	Steel	Steel	Steel	Steel	Steel
screw	Fin	ish	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Average weight (g) direct type	(band type w/screw)	e: L size,	-	-	-	-	-	-
	Note			-				

Front Derailleur

Se	ries		TOURNEY	TOURNEY	
Mod	el no.		FD-A070-A	FD-A073	
Color		1	Series color	Series color	
	:	2	-	-	
Front	speeds		2	3	
Rears	peeds		7	7	
Compati	ble chain		HG 8/7/6-speed	HG 8/7/6-speed	
	TOP S	WING	-	-	
Action		swing	1	1	
	SIDE S	WING	-	-	
	Clama	28.6	✓ (w/ S size adapter)	√ (w/ S size adapter)	
	Clamp band (mm)		√ (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	-	-	
	Direct	mount	-	-	
	Braze	ed-on	-	-	
Cable	adjust		-	-	
	Dua	l-pull	-	-	
Cable route type	Top-pull	exclusive	-	-	
Cable foute type	Down-pull exclusive		-	-	
	Fron	t-pull	-	-	
Chain li	ne (mm)		43.5	45	
Chainstay a	angle (deg.)		61-66	63-66	
Top gea	ar teeth		50T	50T	
Total c	apacity		16T	20T	
Applicable top-mi	d tooth diff	erence	-	11T	
Multi access ca			-	-	
Angled stroke			-	-	
Angled clamp			/	/	
Multi-bearing	-	on	-	-	
Link bi	ushings		- Charl	- Charl	
Front clamp band		erial ish	Steel Painted	Steel Painted	
Rear clamp band, base bracket		erial ish	Aluminum Painted	Aluminum Painted	
		erial	-	-	
Clamp screw		ish	_	_	
		erial	_	_	
Bottom bracket plate		ish	-	-	
		erial	Steel	Steel	
Outer link		ish	Painted	Painted	
	Mat	erial	Steel	Steel	
Inner link Finish		Painted	Painted		
Chain guide Material		Steel	Steel		
Chain guide Finish		Painted	Painted		
Cable fixing screw		Steel	Steel		
Cable lixing sciew	Cable fixing screw Finish		Nickel plated	Nickel plated	
Stroke adjusting	Stroke adjusting Material			Steel	
screw		ish	Zinc plated	Zinc plated	
Average weight (g direct type) (band type w/ screw)	e: L size,	-	-	
	ote				

STORE STORE

Brake (Hydraulic Disc Brake)

Se	ries	CUES	CUES	SHIMANO	
Mod	el no.	BR-U8000	BR-U8020	BR-UR300	
	1	Series color	Series color	Black	
Color	2	-	-	-	
	3	-	-	-	
Brake	type	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	
Brake h	ose (kit)	SM-BH90-SBM	SM-BH90-SBM	SM-BH59-JK-SS	
J-Kit spec	J-Kit spec (for OEM)		1	✓	
Hose	joint	Banjo	Banjo	Straight	
Brake hose color	1	Black	Black	Black	
Brake hose color (kit)	2	-	-	-	
ICE TECHNOLOGIES p	ad compatible caliper	1	1	-	
	Standard 1	G05A-RX Resin (w/o fin)	n (w/o N03A-RF Resin (w/ B05S-RX Resin fin)		
Standard 2 -	Standard 2	-	D03S-RX Resin (w/o fin)	-	
	N04C-MF Metal (w/ fin)	-			
	•		fin) N04C-MF Metal (w/	-	
	10 mm mount	-	-	1	
	15 mm mount	-	-	✓	
Fixing screw spec	20 mm mount	-	-	✓	
	25 mm mount	-	-	✓	
for rear mount	30 mm mount	-	-	✓	
	35 mm mount	-	-	✓	
	15.2 mm	-	-	-	
	18.7 mm	✓	1	-	
Recommende	d brake lever	BL-U8000	BL-U8000	BL-MT201 BL-MT200	
Recommended	disc brake rotor	RT-MT800	RT-MT800	SM-RT10 *, SM-RT26	
	140 mm (SS)	1	1	-	
	160 mm (S)	✓	1	✓	
Compatible rotor size	180 mm (M)	1	1	1	
	203 mm (L)	1	1	-	
	220 mm (LL)	1	1	-	
C	Oil		SHIMANO mineral	SHIMANO mineral	
ONE WAY	BLEEDING	1	-	1	
Moun	t type	Post type	Post type	Flat mount	
Pis	ton	2	4	2	
Piston ı	naterial	Ceramic	Ceramic	Resin	
	MONO-BODY	-	-	-	
Caliper	Material	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	
	Material	Steel	Steel	Steel	
Caliper fixing screw	Tool size	5 mm	5 mm	5 mm	
	Anti loosen method	Snap ring	Snap ring	Screw fix pin+Snap ring	
Pad n	nount	Pad axle	Pad axle	Split pin	
	weight (g)	107	117	-	
Average weight (g) (w/ pad (Standard 1 scre	kit for front 800 mm,), w/o adapter, w/ 2 ws)	-	-	-	
No	ote			* Only compatible with resin pad	



Brake (Mechanical Disc Brake)

Sei	ries	TOURNEY TX	
Mode	el no.	BR-TX805	
	1	Black	
Color	2	-	
	3	-	
Brake	type	Mechanical disc brake	
ICE TECHNOLOGIES p	-		
	Standard 1	B03S-RX Resin (w/o fin)	
Pad	Standard 2	-	
	Option 1	-	
	Option 2	-	
Recommende	V-BRAKE BL (1.5-2.5 finger)		
Recommended	SM-RT10, SM-RT26		
Moun	Post type		
Pis	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

Se	ries	CUES	CUES	CUES	CUES	CUES	CUES
Mod	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
	2	-	-	-	-	-	-
Rears	peeds	11	11/10/9	11/10/9 (36-22T), 10/ 9 (46-30T)	11/10/9	11	11/10/9
		LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG	LINKGLIDE, HG
Compati	ble chain	11-speed	11-speed	11-speed	11-speed	11-speed	11-speed
Chain li	ne (mm)	48.8	50	48.8	51.8	48.8	52 (30T, 32T), 50 (40T, 42T)
							148, 142 (30T, 32T),
O.L.DT	hru (mm)	142	142	142	148	142	142 (40T, 42T)
O.L.D. QR	/Nut (mm)	135	135	135	141	135	141, 135 (30T, 32T),
	` '			96 (36-22T), 110			135 (40T, 42T) 96 (30T, 32T), 110
P.C.D.	(mm)	96	96	(46-30T)	96	110	(40T, 42T)
Spider/g	ear arms	4	4	4	4	4	4
Chainring o	ombination	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	-	-	-	-	-	-
	167.5	-	-	-	-	-	-
Crank arm length (mm)	170	✓	✓	1	✓	1	1
viiiii)	172.5	-	-	-	-	-	-
	175	√	✓	1	✓	1	1
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
Optional çhain	With bash guard With chain guard	<u>-</u> ✓	-	- √ (46-30T)	-	-	- √ (40T, 42T)
guard	Without chain/bash						
	guard	√	√	1	√	✓	1
HOLLO	VTECH II	✓	1	-	-	1	-
	RANKSET	-	-	1	✓	-	1
	CH crank arm	-	-	-	-	-	-
	ALINK	-	-	-	-	-	-
HOLLO	WGLIDE	-	-	-	-	-	-
Compatible bottom	Outboard	√	✓	1	√	✓	1
bracket type	OCTALINK	-	-	-	-	-	-
Recommended bottom bracket	Square	- DD MT001	- DD MT001	- DD MTF01	- DD MTEO1	- DD MATEO1	- DD MTEO1
	Threaded (normal) Threaded (E-type)	BB-MT801 -	BB-MT801 -	BB-MT501	BB-MT501 -	BB-MT501	BB-MT501
	Threaded (chain	-			-	-	
bottom bracket	case)	-	-	BB-MT501	-	BB-MT501	BB-MT501
	Press-Fit	BB-MT800-PA	BB-MT800-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA	BB-MT500-PA
Axle length of	BB-UN/ES (mm)	-	-	-	-	-	-
Th	68	· ·	✓	1	· ·	1	1
Threaded bottom bracket shell width (mm)	70 73	-	-	-	<u>-</u>	-	-
(IIIII)	83		-	-		-	-
Chain sasa		-	-	- (//C 20T)	-	-	- √ (40T, 42T)
Chain case	compatible Material	Aluminum	Aluminum	✓ (46-30T) Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	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	Aluminum	Aluminum
Spider arm	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outor ::	Material	Aluminum	Aluminum	Steel	Steel	Aluminum	Steel
Outer ring	Finish	Anodized	Anodized	Painted	Painted	Anodized	Painted
•	Material	-	-	-	-	-	-
Middle ring	Finish.	-	-	-	-	-	-
Middle ring	Finish			Steel	Steel	Steel	-
	Material	Aluminum			Painted	Painted	_
Middle ring	Material Finish	Anodized	-	Painted			
Inner ring	Material Finish Material		- Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Material Finish Material Finish	Anodized		Stainless steel	Stainless steel -	Stainless steel -	Stainless steel
Inner ring Outer/middle ring fixing bolt Inner ring fixing	Material Finish Material Finish Material	Anodized Aluminum	Aluminum				
Inner ring Outer/middle ring fixing bolt Inner ring fixing screw	Material Finish Material Finish Material Finish	Anodized Aluminum Anodized	Aluminum Anodized - -	Stainless steel Stainless steel	Stainless steel - Stainless steel -	Stainless steel - Stainless steel -	Stainless steel
Inner ring Outer/middle ring fixing bolt Inner ring fixing screw Stainless chain g	Material Finish Material Finish Material Finish Material Finish uard fixing screw	Anodized Aluminum Anodized	Aluminum Anodized	Stainless steel Stainless steel	Stainless steel - Stainless steel	Stainless steel - Stainless steel -	Stainless steel
Inner ring Outer/middle ring fixing bolt Inner ring fixing screw Stainless chain g Crank fixing s	Material Finish Material Finish Material Finish	Anodized Aluminum Anodized	Aluminum Anodized - -	Stainless steel Stainless steel	Stainless steel - Stainless steel -	Stainless steel - Stainless steel -	Stainless steel



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Crankset

Optional chain guard With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	FC-U4000-2 Series color	FC-U4000-2B Series color - 11/10/9 LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 178	FC-U4010-2 Series color - 11/10/9 (36-22T, 40-26T), 10/9 (46-30T) LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T, 46-30T 180	FC-U4010-2B Series color	FC-U4000-1 Series color - 11/10/9 LINKGLIDE, HG 11-speed 52 (30T, 32T), 50 (40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	FC-U2000-1 Series color
Rear speeds Compatible chai Chain line (mm) O.L.DThru (mm) O.L.DQR/Nut (m P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Crank arm length (mm) Optional chain guard With With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threaded bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	2 s nain mm) mm) (mm)) rms nation m) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	11/10/9 LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T 178	- 11/10/9 LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 178	- 11/10/9 (36-22T, 40-26T), 10/9 (46-30T) LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T, 46-30T 180	- 11/10/9 LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 180	- 11/10/9 LINKGLIDE, HG 11-speed 52 (307, 32T), 50 (40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	- 8/7 HG 8/7/6-speed 52 (32T), 50 (40T) 148/142 (32T), 142 (40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
Rear speeds Compatible chai Chain line (mm) O.L.DThru (mm) O.L.DQR/Nut (m P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Grank arm length (mm) Optional chain guard With With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threaded bottom bracket Threaded bottom bracket (mm) Threaded bottom bracket shell width (mm)	2 s nain mm) mm) (mm)) rms nation m) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	11/10/9 LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T 178	- 11/10/9 LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 178	- 11/10/9 (36-22T, 40-26T), 10/9 (46-30T) LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T, 46-30T 180	- 11/10/9 LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 180	- 11/10/9 LINKGLIDE, HG 11-speed 52 (307, 32T), 50 (40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	- 8/7 HG 8/7/6-speed 52 (32T), 50 (40T) 148/142 (32T), 142 (40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
Compatible chain line (mm) O.L.DThru (mm) O.L.DQR/Nut (mm) P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Crank arm length (mm) Optional chain guard With With With HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threaded bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	nain (mm) (mm) (mm) rms nation n) 160 165 167.5 170 172.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T 178	LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 178	40-26T), 10/9 (46-30T) LINKGLIDE, HG 11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T, 46-30T 180	LINKGLIDE, HG 11-speed 51.8 148 141 Riveted 4 36-22T 180	LINKGLIDE, HG 11-speed 52 (30T, 32T), 50 (40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	HG 8/7/6-speed 52 (32T), 50 (40T) 148/142 (32T), 142 (40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
Chain line (mm) O.L.DThru (mm) O.L.DQR/Nut (m P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Q-factor (mm) With With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH Crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Recommended bottom bracket of Three Three Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	mm) (mm)) (mm)) rms nation m) 160 165 167.5 170 172.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T 178	11-speed 51.8 148 141 Riveted 4 36-22T 178	11-speed 48.8 142 135 Riveted 4 36-22T, 40-26T, 46-30T 180	11-speed 51.8 148 141 Riveted 4 36-22T 180	11-speed 52 (30T, 32T), 50 (40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	52 (32T), 50 (40T) 148/142 (32T), 142 (40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
O.L.DQR/Nut (mm O.L.DQR/Nut (mm) Spider/gear arm Chainring combina Q-factor (mm) Optional chain guard With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threaded bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	(mm)) (mm))) rms nation m) 160 165 167.5 170 172.5 175 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	142 135 Riveted 4 36-22T, 40-26T 178	148 141 Riveted 4 36-22T 178	142 135 Riveted 4 36-227, 40-267, 46-30T 180	148 141 Riveted 4 36-22T 180	(40T, 42T) 148, 142 (30T, 32T), 142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	148/142 (32T), 142 (40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
O.L.DQR/Nut (m P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Q-factor (mm) With Optional chain guard With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Recommended bottom bracket of Three Three Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	(mm)) rms nation m) 160 165 167.5 170 172.5 177.5 180 iith bash guard ith chain guard hout chain/bash guard H II CSET	135 Riveted 4 36-22T, 40-26T 178	141 Riveted 4 36-22T 178	135 Riveted 4 36-22T, 40-26T, 46-30T 180	141 Riveted 4 36-22T 180	142 (40T, 42T) 141, 135 (30T, 32T), 135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	(40T) 141/135 (32T), 135 (40T) Riveted 4 32T, 40T 178
P.C.D. (mm) Spider/gear arm Chainring combina Q-factor (mm) Q-factor (mm) With Optional chain guard With Optional chain guard With Optional Chain with Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	nation n) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chajn/bash guard H II CSET	Riveted 4 36-22T, 40-26T 178	Riveted 4 36-22T 178	Riveted 4 36-22T, 40-26T, 46-30T 180	Riveted 4 36-22T 180	135 (40T, 42T) Riveted 4 30T, 32T, 40T, 42T 178	(40T) " Riveted 4 32T, 40T 178
Crank arm length (mm) Crank arm length (mm) Optional chain guard Optional chain guard Other control of the control of the chain of	rms nation m) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	4 36-22T, 40-26T 178	4 36-22T 178	4 36-22T, 40-26T, 46-30T 180	4 36-22T 180	4 30T, 32T, 40T, 42T 178	4 32T, 40T 178
Crank arm length (mm) Crank arm length (mm) Optional chain guard Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	nation m) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	36-22T, 40-26T 178	36-22T 178	36-22T, 40-26T, 46-30T 180 - - - - - - - - - - -	36-22T 180	30T, 32T, 40T, 42T 178	32T, 40T 178
Crank arm length (mm) Optional chain guard Optional chain guard With Witho HOLLOWTECH I 2-PIECE CRANKSI HOLLOWECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	m) 160 165 167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II (SET	178	178	46-30T 180	180	178	178
Crank arm length (mm) Optional chain guard HOLLOWTECH With Witho HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	160 165 167.5 170 172.5 175 177.5 180 iith bash guard iith chain guard hout chain/bash guard H II (SET		- - - - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -
Optional chain Guard Optional chain Guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWGLIDE OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm) With With OCTALINK Threaded bottom bracket shell width (mm)	165 167.5 170 172.5 175 177.5 180 iith bash guard iith chain guard hout chain/bash guard H II (SET		- - - - - - - -	- - - - - -	- - - - - -	- - - - - - -	· · · · · · · · · · · · · · · · · · ·
Optional chain Guard Optional chain Guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWGLIDE OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm) With With OCTALINK Threaded bottom bracket shell width (mm)	167.5 170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II (SET	- ✓ - ✓ ✓ (40-26T) ✓	- - - - - - -	- - - - -	- / / · · · · · · · · · · · · · · · · ·	- - - - -	- - - - -
Optional chain Guard Optional chain Guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWGLIDE OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm) With With OCTALINK Threaded bottom bracket shell width (mm)	170 172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II (SET	✓	- - - - - -	- - - -	- - - -	- - - -	
Optional chain Guard Optional chain Guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWGLIDE OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm) With With OCTALINK Threaded bottom bracket shell width (mm)	172.5 175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	-	- - - - - -	- - - -	- - - -	- - - -	- - - -
Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	175 177.5 180 ith bash guard ith chain guard hout chain/bash guard H II CSET	✓ - - - - ✓ (40-26T) ✓	- - - - -	- - -	- - -	- - -	- -
Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH Crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	177.5 180 ith bash guard ith chain guard hout chain/bash guard H II KSET	- - - - - ✓ (40-26T) ✓		-	- - -	-	-
Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH Crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	180 ith bash guard ith chain guard hout chain/bash guard H II CSET ank arm	- - - - (40-26T) -		-	-	-	-
Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH Crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	ith bash guard ith chain guard hout chain/bash guard H II CSET ank arm	- ✓ (40-26T) ✓	-	-	-	-	
Optional chain guard HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH Crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	ith chain guard hout chain/bash guard H II KSET ank arm	✓ (40-26T) ✓ -	- /				
HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Axle length of BB-UN/I Threaded bottom bracket shell width (mm) Witho OCTALINK HOLLOWGLIDE C Threaded bottom bracket shell width (mm)	hout chain/bash guard H II KSET ank arm	-	1	▼ (40-201, 40-301)		✓ (40T, 42T)	- (32T), √ (40T)
HOLLOWTECH I 2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Thr	guard H II (SET ank arm	-					
2-PIECE CRANKSI HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Recommended bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	CSET ank arm			1		1	1
HOLLOWTECH crank OCTALINK HOLLOWGLIDE Compatible bottom bracket type Threa Recommended bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	ank arm	-		-	-	-	-
OCTALINK HOLLOWGLIDE Compatible bottom bracket type Recommended bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)		_	-	√	✓	-	-
HOLLOWGLIDE Compatible bottom bracket type Threaded bottom bracket shell width (mm)			-	-	-	-	-
Compatible bottom bracket type Threaded bottom bracket shell width (mm)		-	-	-	-	-	-
Compatible bottom bracket type Recommended bottom bracket Axle length of BB-UN/I Threaded bottom bracket shell width (mm)	Outboard	-	-	-	-	-	-
Recommended bottom bracket shell width (mm)	OCTALINK	-	-	-	<u> </u>	-	<u>-</u>
Recommended bottom bracket Threaded bottom bracket Threaded bottom bracket shell width (mm)	Square	1	1	-		1	1
Recommended bottom bracket Axie length of BB-UN/I Threaded bottom bracket shell width (mm)	readed (normal)	BB-UN101	BB-UN101	BB-MT501	BB-MT501	BB-UN101	BB-UN101
Axie length of BB-UN/I Threaded bottom bracket shell width (mim)	readed (E-type)	-	-	-	-	-	-
Axle length of BB-UN/I	nreaded (chain case)	-	-	BB-MT501	-	BB-UN101-K	BB-UN101-K
Threaded bottom bracket shell width (mm)	Press-Fit	-	-	BB-MT500-PA	BB-MT500-PA	-	-
	N/ES (mm)	LL123	LL123	-	-	LL123	LL123
	68	✓	✓	✓	✓	✓	✓
	70	-	-	-	-	-	-
	73	✓	1	1	✓	1	✓
	83	-	-	-	-	-	-
Chain case compat		-	-	✓ (46-30T)	-	✓ (40T, 42T)	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted Steel	Painted Steel	Painted Steel	Painted	Painted Steel	Painted -
Crank axle	Material Finish	Plated	Steel Plated	Plated	Steel Plated	Plated	-
	Material	-	-	-	-	Aluminum	<u>-</u>
Spider arm	Finish	-	-	-	-	Painted	-
	Material	-	-	-	-	-	-
Spider arm cover	Finish	-	-	-	-	-	-
Outer vie :	Material	Steel	Steel	Steel	Steel	Steel	Steel
Outer ring	Finish	Painted	Painted	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	-
	Finish	-	-	-	-	-	-
Inner ring fixing screw	Managin	-	-	-	-	-	-
Stainless chain guard fix	Material	-	-	-	- -	-	-
Crank fixing screw in	Finish		- ·	-	<u>-</u> ✓	1	√
	Finish fixing screw	./					
Average weight (g) (170 mm bracket) Note	Finish fixing screw included	-	-	-	-	-	-

ST ST

RD FD

BR BL

FC BB

ВВ

MF HB

HB FH

SW RD

FH

209

Crankset

Ser	ies	TOURNEY TX	SHIMANO	SHIMANO	SHIMANO	TOURNEY A070	TOURNEY
Mode	el no.	FC-TX801	FC-TY501-2	FC-TY501	FC-TY301	FC-A070	FC-A073
	1	Black	Black	Black	Black	Series color	Series color
Color	2	Silver	-	Silver	-	-	-
Rear s	peeds	8/7/6	8/7	8/7/6	8/7/6	8/7	8/7
Compatil	ole 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
Chain lir	ne (mm)	50	48.8	47.5/47.5 + t/50	47.5/47.5 + t/50	43.5	45
O.L.DTh		142	142	142	142	142	142
O.L.DQR		135	135	135	135	135	135
P.C.D.		Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Spider/g		4	4 45 207	42 24 247 40 20 207	42 24 247 49 29 297	5	5
Chainring co		42-32-22T, 48-38-28T	46-30T	42-34-24T, 48-38-28T	42-34-24T, 48-38-28T	50-34T	50-39-30T
Q-facto	160	187.9	185.5	185.5	181.5	169	171.5
	165	- -	-	-	-	-	- ·
	167.5	-		-	_	-	-
Cuandi auna lamada	170	1	1	1	1	1	1
Crank arm length (mm)	172.5	-	-	-	-	-	-
	175	1	1	1	1	-	-
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
Optional chain	With chain guard	1	1	√ (integrated type)	√ (integrated type)	1	1
guard g	Without chain/bash guard	1	1	1	1	1	1
HOLLOV		-	-	-	-	-	-
2-PIECE C		-	<u>-</u>	-	-	-	-
HOLLOWTEC		-	-	-	-	-	-
ОСТА	LINK	-	-	-	-	-	-
HOLLOV	WGLIDE	-	-	-	-	-	-
Compatible bottom bracket type	Outboard	-	=	-	-	-	-
	OCTALINK	-	-	-	-	-	-
	Square	✓	✓	1	1	✓	✓
	Threaded (normal)	BB-UN101	BB-UN101	BB-UN101, BB-	BB-UN101, BB-	BB-UN300	BB-UN300
	Threaded (E-type)	_		UN300	UN300 -	_	_
Recommended bottom bracket	Threaded (chain		<u> </u>	BB-UN101-K, BB-	BB-UN101-K, BB-	-	-
	case)	BB-UN101-K	-	UN300K	UN300K	-	-
	Press-Fit	-	-	-	-	-	-
Axle length of I	BB-UN/ES (mm)	LL123	LL123	D-NL, *D-EL	D-NL, *D-EL	MM110	LL113
	68	1	✓	1	1	✓	1
Threaded bottom bracket shell width	70	-	-	-	-	✓	✓
(mm)	73	✓	√	1	1	-	-
	83	-	-	-	-	-	-
Chain case	-	√	-	/	√	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish Material	Painted -	Painted -	Painted -	Painted -	Painted -	Painted -
Crank axle	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Spider arm	Finish	-	<u> </u>	-	-	-	-
	Material	Resin	Resin	Resin	Resin	-	-
Spider arm cover	Finish			- (black), Painted	-	_	_
		Resin	Resin	(silver)			
Outer ring	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Middle ring	Material	Steel	-	Steel	Steel	-	Steel
-	Finish	Painted	- C41	Painted	Painted	- Canal	Painted
Inner ring	Material Finish	Steel Painted	Steel Painted	Steel Painted	Steel Painted	Steel Painted	Steel Painted
	Material	Painted -	Painted -	Painted -	Painted -	Painted -	Painted -
Outer/middle ring fixing bolt	Finish	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Inner ring fixing screw	Finish	-	-	-	-	-	-
Stainless chain gu		-	-	-	-	-	-
Crank fixing s		1	1	✓ (Option)	-	-	-
		-	-	-	-	-	-
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		



Bottom Bracket (HOLLOWTECH II)

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

Bottom Bracket

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	Model no.		BB-ES300	BB-ES300-E	BB-ES300-K	BB-ES51	BB-ES51-E	BB-ES51-K
	Stan	dard	1	-	-	✓	-	-
Structure	E-t	ype	-	1	-	-	1	-
	For cha	ain case	-	-	✓	-	-	✓
		w pipe	✓	✓	1	✓	✓	✓
Spindle		ALINK	1	1	1	✓	1	✓
	Squar	e type	-	-	-	-	-	-
		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	-	√ (for double)	-	-
	113	70 (M36)	1	-	-	✓ (for double)	-	-
		73 (BC1.37)	1	-	-	√	-	-
	-							
	D-H	68 (BC1.37)	-	-	-	-	-	-
		70 (M36)	-	-	-	-	-	-
	YL117	68 (BC1.37)	-	-	-	-	-	-
	117.5	68 (BC1.37)	-	-	-	-	-	-
	118	68 (BC1.37)	1	1	-	1	_	_
		70 (M36)	1	- -	-		-	
		73 (BC1.37)	1	-	-	1	-	-
Axle length/shell width (mm)			•		-			
		68 (BC1.37)	-	-	-	-	-	-
	XL118	70 (M36)	-	-	-	-	-	-
		73 mm	-	-	-	-	-	-
		(BC1.37)	✓	✓	1	√ (for triple)	-	-
	121	70 (M36)	-	-	-	✓	-	-
		73 (BC1.37)	✓	✓	-	-	-	-
		68 (BC1.37)	1	1	√ *	1	-	-
	126	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	1	1	-	-	-	_
			•					
		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)	_	_	_	-	_	-
	11122	(BC1.37) 70 (M36)	-	-	-	-	-	-
	LL123							
		73 (BC1.37)	-	-	-	-	-	-
	123SP	68 (BC1.37)	-	-	-	-	-	-
	130	68 (BC1.37)	-	-	-	-	-	-
C! "	Mat	erial	Steel	Steel	Steel	Steel	Steel	Steel
Spindle		ish	Bonderlube	Bonderlube	Bonderlube	Plated	Painted (black)	Painted (black)
Left hand adapter	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
Lert Hailu auapter		ish	-	-	-	-	-	-
tight hand adapter/		erial	Steel	Steel	Steel	Steel	Steel	Steel
		ish	Phosphate coated	Phosphate coated	Phosphate coated	Nickel Chrome	Nickel Chrome	Nickel Chrome
No	ote				* w/ 0.7 mm spacer			



BL

ВВ

CS

MF

НВ

НВ

FH

FH

SVV

RD

Bottom Bracket

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	Model no.		BB-ES51-AK	BB-UN300	BB-UN300-K	BB-UN300-E	BB-UN101	BB-UN101-K
	Stan	dard	-	1	-	-	1	-
Structure		ype	-	-	-	1	-	-
		ain case	· ·	-	✓	-	-	✓
Spindle		w pipe ALINK	1	-	-	-	-	-
Spiriale		e type	- -	-	-	-	-	-
	Jquai		-	1	-	-	-	-
	107	68 (BC1.37) 70 (M36)	-	-	-	<u>-</u>	-	-
	107	73 (BC1.37)		_	_		_	
		68 (BC1.37)	-	√ **	1	-	-	-
	MM110	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	√ **	-	-	-	-
	LL113	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	1	-	-	-	-
		68 (BC1.37)	-	-	-	-	-	-
	113	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	_	-	-	_	_	-
	D-H	(BC1.37)	-	√ *	-	-	-	-
		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)		68 (BC1.37)	_	√ **	√ *	_	_	_
width (min)	XL118	(BC1.37) 70 (M36)	-	-	-	-	-	-
		70 (M30) 73 mm	-	1	-	_	_	-
		68 (BC1.37)	-	-	-	-	_	-
	121	70 (M36)	-	_	-	_	_	_
	'2'	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 127	70 (M36)	-	-	-	-	-	-
		73 (BC1.37)	-	-	-	-	-	-
		68 (BC1.37)	-	1	√ ***	1	1	√ **
	LL123	(BC1.37) 70 (M36)	-	-	-	-	-	-
	11.123							
		73 (BC1.37)	-	1	-	-	/	-
	123SP	68 (BC1.37)	-	-	-	-	-	-
	130	68 (BC1.37)	-	-	-	-	-	-
Spindle		erial	Steel	Steel	Steel	Steel	Steel	Steel
Spiritile		ish 	Painted (black)	Bonderlube	Bonderlube	Bonderlube	-	-
Left hand adapter		erial	Resin -	Aluminum -	Aluminum	Aluminum	Resin -	Resin -
Bloba book 1 1 1 1 1		ish erial	Steel	- Aluminum/Steel	- Aluminum/Steel	- Aluminum/Steel	- Resin/Steel	- Resin/Steel
Right hand adapter/ shell			Nickel Chrome	-	-	-	-	-
shell 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 spacer	-	* w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. is available ** w/ 0.7 mm spacer

Cassette

Sei			SHIMANO	
Mode	el no.	CS-LG700-11	CS-LG400-11	CS-LG400-10
Ty	pe	LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear s	peeds	11	11	10
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination nar	ne (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
	3	-	-	11-13-15-17-20-23-28-34-41-48T
Combination * Titanium gear	4	-	-	-
Treamain gear	5	-	-	-
	6	-	-	-
	7	-	-	-
	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)	√ *	√ *	√ *
	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)	-	-	-
Jacon Spider dilli	Finish	-	-	<u>-</u>
Titanium gear	QTY (pcs)	-	-	-
	Finish	-	-	<u>-</u>
Aluminum gear	QTY (pcs)	-	-	-
,um geur	Finish	-	-	-
Steel gear	QTY (pcs)	11	11	10
	Finish	Plated	Plated	Plated
Lock ring	Material	Aluminum	Steel	Steel
	Finish	Anodized	Plated	Plated
	weight (g)	609 (11-50T)	-	-
No.	ote	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart

Sei	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	CS-LG300-10	CS-LG400-9	CS-LG300-9
Ty	pe	LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear s	peeds	10	9	9
Compati	ble chain	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination nar	ne (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	-	-	-
	5	-	-	-
	6	-	-	-
	7	-	-	-
	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)	√ *	√ *	√ *
	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)	-	-	-
Trainain gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
- Adminium gear	Finish	-	-	-
Steel gear	QTY (pcs)	10	9	9
Jieer gear	Finish	MnPO4	Plated	MnPO4
Lock ring	Material	Steel	Steel	Steel
	Finish	MnPO4	Plated	MnPO4
Average \	weight (g)	-	-	-
No	ote	* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart



Cassette

Sei	Series SHIMANO SHIMANO		SHIMANO	SHIMANO
Mode	el no.	CS-HG400-9	CS-HG51-8	CS-HG50-8
Ту	pe	HG	HG	HG
Rear s	peeds	9	8	8
Compati	ble chain	HG 9-speed	IG, HG 8/7/6-speed	HG 8/7/6-speed
Combination nar	me (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)
	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)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-
	HG spline M (10/9/ 8-speed, MTB 11-speed)	✓	✓	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	-	-
Titamum gear	Finish	-	-	-
Aluminum gear	QTY (pcs)	0	-	-
Aluminum gear	Finish	-	-	-
Steel gear	QTY (pcs)	9	8	8
Steel geal	Finish	Ni-Ni plated	Chrome plated	Nickel plated
Lock ring	Material	Steel	Steel	Steel
Lock filig	Finish	Nickel plated	Chrome plated	Nickel plated
Average v	weight (g)	-	-	-
No	ote			

Sei	Series SHIMANO SHIMANO SHIMA			
Mode	el no.	CS-HG400-8	CS-HG41-8	CS-HG31-8
Ту	pe	HG	HG	HG
Rear s	peeds	8	8	8
Compati	ble chain	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination nar	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	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	-	-	-
	5	-	-	=
	6	-	-	-
	7	-	-	-
	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)	✓	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)	-	-	-
Steel spider aim	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
i italiialii geal	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
Adminium gear	Finish	-	-	-
Steel gear	QTY (pcs)	8	8	8
Jieei geai	Finish	Nickel plated	Nickel plated	Phosphate coated
Lock ring	Material	Steel	Steel	Steel
Lock filly	Finish	Phosphate coated	Phosphate coated	Phosphate coated
Average \		-	-	-
No	ote			

ST ST

ST RD

FD

BR BL

FC BB

ВВ

CS

MF HB

FH

SW

Cassette

Series		SHIMANO	SHIMANO	SHIMANO
Mode	el no.	CS-HG200-8	CS-HG41-7	CS-HG20-7
Ty	pe	HG	HG	HG
Rear s	peeds	8	7	7
Compati	ble chain	HG 8/7/6-speed	IG, HG 8/7/6-speed	IG, HG 8/7/6-speed
Combination nar	me (Group name)	12-32T (br)	11-28T (ac)	12-28T (E)
	1	12-14-16-18-21-24-28-32T (br)	11-13-15-18-21-24-28T (ac)	12-14-16-18-21-24-28T (E)
	2	-	-	-
	3	-	-	-
Combination * Titanium gear	4	-	-	-
i italiani geal	5	-	-	-
	6	-	-	-
	7	-	-	-
	MICRO SPLINE	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	-	-
Spinie type	HG spline M (10/9/ 8-speed, MTB 11-speed)	1	-	-
	HG spline S (7-speed)	-	1	1
Carbon spider arm	QTY (pcs)	•	-	-
Carbon spider ann	Finish	ı	-	-
Aluminum spider arm	QTY (pcs)	-	-	-
arm '	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
Steel spider arm	Finish	ı	-	-
Titanium gear	QTY (pcs)	-	-	-
Titaliiulii geal	Finish	ı	-	-
Aluminum gear	QTY (pcs)	-	-	-
Addininum gear	Finish	-	-	-
Steel gear	QTY (pcs)	8	7	7
Steer gear	Finish	Painted	Nickel plated	Brown+Black
Lock ring	Material	Steel	Steel	Steel
Lock filig	Finish	Painted	Phosphate coated	Phosphate coated
Average v	weight (g)	-	-	-
No	ote			

Se	ries	SHIMANO
Model no.		CS-HG200-7
Туре		HG
Rear speeds		7
Compati	ble chain	IG, HG 8/7/6-speed
Combination nar	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)
	3	-
Combination * Titanium gear	4	-
	5	-
	6	-
	7	-
	MICRO SPLINE	-
	HG spline L2 (ROAD 12-speed dedicated)	-
Spline type	HG spline L (ROAD 12/11-speed)	-
Spinie type	HG spline M (10/9/ 8-speed, MTB 11-speed)	-
	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 aim	Finish	-
Titanium gear	QTY (pcs)	-
Tramum gear	Finish	-
Aluminum gear	QTY (pcs)	-
- Adminium gear	Finish	-
Steel gear	QTY (pcs)	7
Jeer gear	Finish	Painted
Lock ring	Material	Steel
	Finish	Painted
	weight (g)	-
l No	ote	



Multiple Freewheel

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	MF-TZ500-7	MF-TZ510-7	MF-TZ500-6	MF-TZ510-6
Ту	Туре		HG/UG	HG/UG	HG/UG
Rears	Rear speeds		7	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			14-16-18-21-24-28T
Combination *	2	14-16-18-20-22-24-3 4T	14-16-18-20-22-24-3 4T	-	-
Combination * Titanium gear	3	-	-	-	-
	4	-	-	-	-
	5	-	-	-	-
Spider arm	QTY (pcs)	-	-	-	-
	w/ Spoke protector	1	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				

BL

ST

ST

FD

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BL.

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SVV

Front Hub (Disc Brake)

Seri	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	l 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	type	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
External serration	With	-	-	-	-	-	-
External serration disc brake rotor lock ring	Without	-	1	1	✓	1	1
CENTER LOCK mo	unt cover option	✓	1	1	-	-	-
Axle fixing	g 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	-	-	-	✓	-	-
Thru 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 /	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 (32H/36H), 53.8 (28H)	52.8	52.8	52.8
Se	al	Contact	Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal gre	ease sleeve	-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
	Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	-	-
	Cartridge	✓	1	-	✓	1	1
that alcall	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Anodized	Anodized	Anodized
	Material	Steel	Steel	Steel	-	-	-
Axle	Finish	-	-	-	-	-	-
Quital and a	Material	Aluminum	Aluminum	Steel	-	-	-
Quick release lever	Finish	Plated	Plated	Plated	-	-	-
Quick release	Material	Steel	Steel	Steel	-	-	-
Quick release housing	Finish	Plated	Plated	Plated	-	-	-
Quidanal .	Material	Steel+Resin	Steel+Resin	Steel+Resin	-	-	-
Quick release nut	Finish	-	-	-	-	-	-
Disc brake rotor lock	Material	-	-	-	-	-	-
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
	te						



Front Hub (Disc Brake)

Ser	ies	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	HB-TX505	HB-TX506	HB-RM35
	1 Hub shell	Black	Black	Black
Color	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
External serration disc brake rotor lock ring	With	-	-	-
ring	Without	✓	-	1
CENTER LOCK mo	ount cover option	-	-	-
Axle fixin	g method	Quick release	Quick release	Quick release
Quick release	129	1	-	-
Quick release skewer length (mm)	133	1	✓	1
	100 x 12	-	-	-
Tḥru axle (length x	100 x 15	-	-	-
Thru axle (length x inner diameter ; mm)	110 x 15	-	-	-
	110 x 20	-	-	-
Flange dist	ance (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	left / right (mm)	52.8 (32H/36H), 53.8 (28H)	70.6	52.8
Se	al	Contact	Contact	Contact
Internal gr	ease sleeve	-	-	-
	Stainless ball	-	-	-
	Cup	-	-	-
Bearing	Cone	-	-	-
	Cartridge	-	-	-
	Material	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted
	Material	Steel	Steel	Steel
Axle	Finish	-	-	-
	Material	Steel	Steel	Steel
Quick release lever	Finish	Plated	Plated	Plated
Quick release	Material	Steel	Steel	Steel
housing	Finish	Plated	Plated	Plated
	Material	Steel+Resin	Steel+Resin	Steel+Resin
Quick release nut	Finish	-	-	-
Dies buoko matan ka da	Material	-	-	-
Disc brake rotor lock ring	Finish	-	-	-
No	vte	-	-	-

Front Hub (Rim Brake)

Ser	ies	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
6.1	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	✓
	36H	✓	1	1	1
External serration	With	-	-	-	-
External serration disc brake rotor lock ring	Without	1	1	1	1
CENTER LOCK mo	unt cover option	-	-	-	-
Axle fixin	g method	Nut	Quick release	Nut	Quick release
	129	-	1	-	1
Quick release skewer length (mm)	133	-	1	-	1
	100 x 15	-	-	-	-
Thru axle (length x inner diameter ;	110 x 15	-	-	-	-
mm)	110 x 20	-	-	-	-
Flange dist	ance (mm)	71.6	71.6	71.6	71.6
Offset		0	0	0	0
P.C.D. left /		38	38/38	38/38	38
Flange dian		46	46	46	46
Se		Contact		-	
Internal gre		-	_	-	-
internar gre	Stainless ball	<u>-</u>	_	-	_
Bearing	Cup	_	_	_	_
bearing	Cone	-	_	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted			Anodized
	Material	Steel	Painted (black)/Clear Steel	Painted (black)/Clear Steel	Steel
Axle				-	
	Finish	-	- Stool		- Stool
Quick release lever	Material	-	Steel	-	Steel
	Finish			-	Plated
Quick release housing	Material	-	Steel	-	Steel
	Finish	-	Plated Steel Pagin	-	Plated
Quick release nut	Material	-	Steel+Resin	-	Resin
	Finish	-	-	-	Black

LIFESTYLE Active

НВ

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	-	-	-	-	-	-
Brake	type	CENTER LOCK disc	CENTER LOCK disc	6-bolt disc brake	CENTER LOCK disc	CENTER LOCK disc	CENTER LOCK disc
		brake	brake		brake	brake	brake
Rear s		12	12	11/10/9/8	11/10/9/8	11/10/9/8	11-8
O.L.D.		135	141	135	135	141	135
	24H	-	-	-	-	-	-
Spoke hole	28H	√	1	-	-	-	-
	32H		1	1	1	1	1
	36H	√	√	✓	1	1	✓
10 tooth cog		√	1	-	-	-	-
External serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	√	1	✓	1	1	1
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	√	1	1	1	1	1
CENTER LOCK mo		-	-	-	✓	-	√
Axle fixin	ř	Quick release	Quick release	Quick release	Quick release	Quick release	Quick release
	166	-	-	-	-	-	/
	168	1	-	1	1	-	-
	170	-	-	-	-	-	1
Quick release skewer length (mm)	172	-	-	-	-	-	-
sacre length (mill)	173	✓	-	1	1	-	-
ļ.	174	-	1	-	-	1	-
	176	-	-	-	-	-	-
	178	-	1	-	-	1	-
	135 x 10	-	-	-	-	-	-
-	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	-	-
mm)	148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-
Flowers dies	157 x 12	-		-	-		-
Flange dist		55.45	61.45	TBD	55.45	61.45	55.45
Offset P.C.D. left /		7.6 50.5/51.5	7.6 50.5/51.5	TBD TBD	7.6 45/45	7.6 45	7.6 45/45
Flange diameter	•	59.3/60.3	59.3/60.3	TBD	53.8/53.8	53.8	53.8
riange diameter	MICRO SPLINE	<i>√</i>	₹	-	33.0/33.0	-	-
					_		
	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)	-	-	1	1	/	✓
	HG spline S (7-speed)	-	-	-	-	-	-
Fngagen	nent type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
	gagement	-	-	-	-	-	-
	Hub	Labyrinth+Contact	Labyrinth+Contact	Contact	Contact	Contact	Contact
Seal	FREEHUB body	Contact	Contact	-	-	-	-
Internal are	ease sleeve	-	-	-	-	-	-
	tment system	-	-	-	-	-	-
J ,	Stainless ball	-	-	-	-	-	-
	Cup	-	-	-	-	-	-
Bearing	Cone	-	-	-	-	-	-
	Cartridge	1	1	1	1	1	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
FREEHUB body	Finish	-	-	-	-	-	-
11	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Aula	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	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
Quick release housing	Finish	Painted	Painted	Plated	Plated	Plated	Plated
	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Quiek voleens mot		_	-	_	-	-	-
Quick release nut	Finish						
	Finish Material	-	-	-	-	-	-
Quick release nut Disc brake rotor lock ring				-	-	-	-

FREEHUB (Disc Brake)

	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el 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	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		11/10/9/8	12	12/11	11/10/9/8	11/10/9/8	12
O.L.D.		148	148	142	142	148	142
0.2.5.	24H	-	-	-	-	-	-
	28H	1	1	1	1	1	1
Spoke hole	32H	1	1	1	1	1	1
	36H	✓	1	-	1	1	1
10 tooth cog	compatible	-	1	-	-	-	1
External serration disc brake rotor lock	With	-	=	-	-	-	-
ring	Without	✓	1	✓	1	1	✓
Internal serration disc brake rotor lock	With	-	-	-	-	-	-
ring	Without	✓	✓	✓	✓	✓	✓
CENTER LOCK mo	unt cover option	-	-	-	-	-	-
Axle fixing	g method	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU	12 mm E-THRU
	166	-	-	-	-	-	-
ļ	168	-	-	-	-	-	-
ļ	170	-	-	-	-	-	-
Quick release skewer length (mm)	172	-	-	-	-	-	-
	173 174	-	-	-	-	-	-
	174	-	-	-	-	-	-
ŀ	178			-		_	-
	135 x 10	-	-	-	_	_	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x	142 x 12	-	=	1	1	-	1
Thru axle (length x inner diameter ; mm)	148 x 12	✓	1	-	-	1	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange dist	ance (mm)	61.1	61.1	55.45	55.45	61.45	55.45
Offset	(mm)	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	-	✓	-	-	-	1
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	1	-	-	-
Spline type	HG spline M (10/9/						
	HG spline M (10/9/ 8-speed, MTB 11-speed)	· · · · · · · · · · · · · · · · · · ·	-	-	1	1	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagem	ent type	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick eng	lagement	✓ (36 times/360	✓ (36 times/360	_	-	-	-
- Quick eng	Hub	deg.)	deg.)				
Seal							
Jean		Labyrinth+Contact	Labyrinth+Contact	Labyrinth & Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	Contact	Contact	Contact	Contact	Contact	Contact
Internal gre	FREEHUB body ease sleeve	<u> </u>			•	· ·	
	FREEHUB body ease sleeve ment system	Contact -	Contact -	Contact -	Contact -	Contact -	Contact -
Internal gre Digital adjust	FREEHUB body ease sleeve	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
Internal gre Digital adjust	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge	Contact	Contact	Contact Steel -	Contact	Contact	Contact
Internal gre Digital adjust Bearing FREEHUB body	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 case sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized	Contact Steel - Aluminum Anodized
Internal gre Digital adjust Bearing FREEHUB body	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge 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	FREEHUB body ease 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 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 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	FREEHUB body ease sleeve ement system Stainless ball Cup Cone Cartridge 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	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge 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	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Color 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	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Color 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	FREEHUB body ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Color 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 Quick release housing Quick release nut	FREEHUB body ease 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 Color 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 ease sleeve ment system Stainless ball Cup Cone Cartridge Material Finish Material Finish Material Finish Material Finish Color 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

LIFESTYLE Active

НВ

FH

FREEHUB (Disc Brake)

Color Brake Rear sp O.L.D. (Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mot Axle fixing Quick release skewer length (mm)	I no. 1 Hub shell 1 Quick release 2 Hub shell 2 Quick release type seeds (mm) 24H 28H 32H 36H compatible With Without With Without ant cover option 1 method 166 168 170 172	SHIMANO FH-TC500-MS-B Black CENTER LOCK disc brake 12 148	SHIMANO FH-UR600 Black Black CENTER LOCK disc brake 11/10 * 135	SHIMANO FH-RM35 Black Black CENTER LOCK disc brake 11/10/9/8 135	SHIMANO FH-TX505-8 Black Black CENTER LOCK disc brake 11/10/9/8 135	SHIMANO FH-TX506 Black Black 6-bolt disc brake 10/9/8 135	SHIMANO FH-TY505-7 Black Black CENTER LOCK disc brake 7 135
Color Brake Rear sp O.L.D. (Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK motor Axle fixing	1 Hub shell 1 Quick release 2 Hub shell 2 Quick release type seeds (mm) 24H 28H 32H 36H compatible With Without With Without unt cover option pethod 166 168 170 172	Black CENTER LOCK disc brake 12 148	Black Black CENTER LOCK disc brake 11/10 * 135	Black Black CENTER LOCK disc brake 11/10/9/8 135	Black Black CENTER LOCK disc brake 11/10/9/8 135	Black Black 6-bolt disc brake 10/9/8 135	Black Black CENTER LOCK disc brake 7 135
Brake : Rear sp O.L.D. (Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mou	1 Quick release 2 Hub shell 2 Quick release type seeds (mm) 24H 28H 32H 36H compatible With Without With Without ant cover option method 166 168 170 172		Black CENTER LOCK disc brake 11/10 * 135	Black	Black	Black 6-bolt disc brake 10/9/8 135	Black
Brake : Rear sp O.L.D. (Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mou	2 Hub shell 2 Quick release type seeds (mm) 24H 28H 32H 36H compatible With Without With Without ant cover option 1 method 166 168 170 172	- CENTER LOCK disc brake 12 148 - / / / / / / / / / / / / / / / / / / /				6-bolt disc brake 10/9/8 135	- CENTER LOCK disc brake 7 135
Spoke hole 10 tooth cog External serration disc brake rotor lock - ring Internal serration disc brake rotor lock - ring CENTER LOCK mot Axle fixing	2 Quick release type leeds (mm) 24H 28H 32H 36H compatible With Without With unt cover option pmethod 166 168 170 172	CENTER LOCK disc brake 12 148 - - - - - - - - - - - 12 mm E-THRU	- CENTER LOCK disc brake 11/10 * 135	- CENTER LOCK disc brake 11/10/9/8 135 /* / / / / /	- CENTER LOCK disc brake 11/10/9/8 135	- 6-bolt disc brake 10/9/8 135	CENTER LOCK disc brake 7 135
Spoke hole 10 tooth cog External serration disc brake rotor lock - ring Internal serration disc brake rotor lock - ring CENTER LOCK mot Axle fixing	type peeds (mm) 24H 28H 32H 36H compatible With Without With Without Int cover option method 166 168 170 172	CENTER LOCK disc brake 12 148 - - - - - - - 12 12 13 14 15 15 16 17 17 18 18 18 18 18 18 18 18	CENTER LOCK disc brake 11/10 * 135	CENTER LOCK disc brake 11/10/9/8 135	CENTER LOCK disc brake 11/10/9/8 135	6-bolt disc brake 10/9/8 135 - - - - - - - - - - - - -	CENTER LOCK disc brake 7 135
Spoke hole 10 tooth cog External serration disc brake rotor lock - ring Internal serration disc brake rotor lock - ring CENTER LOCK mot Axle fixing	yeeds (mm) 24H 28H 32H 36H compatible With Without With Without unt cover option method 166 168 170 172	brake 12 148	brake 11/10 * 135	brake 11/10/9/8 135	brake 11/10/9/8 135	10/9/8 135 - - - - - - -	brake 7 135
Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock cring CENTER LOCK mot Axle fixing	(mm) 24H 28H 32H 36H compatible With Without Without unt cover option method 166 168 170 172	148	135	135	135 - - - - - - - -	135 - - - - - - -	135 - - - - - - - - -
Spoke hole 10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mot	24H 28H 32H 36H compatible With Without With unt cover option method 166 168 170 172	-		-	- - - - - -	- - - - -	- - - - - -
10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mot	28H 32H 36H compatible With Without Without unt cover option pmethod 166 168 170 172	/ / / / / / / / / / / / / / / / / / /	- / / / / / / / / / / / / / / / / / / /	/* / / / / / / /	- / / / / / / / / / / / / / / / / / / /	- / / / / / / / / / / / / / / / / / / /	- / / / / / / / / / / / / / / / / / / /
10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mot	32H 36H compatible With Without With Without unt cover option method 166 168 170 172	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	/ / - - - / - /	/ / - - /	· · · · · · · · · · · · · · · · · · ·		
10 tooth cog External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK mot	36H compatible With Without With Without unt cover option method 166 168 170 172	✓	/ - - - - - - - -	- - - - - -	- - - -	- - -	- - - /
External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK motor Axle fixing	compatible With Without With Without unt cover option method 166 168 170 172		- - - - - -	- - - - -	-	- - -	-
External serration disc brake rotor lock ring Internal serration disc brake rotor lock ring CENTER LOCK motor Axle fixing	With Without With Without unt cover option method 166 168 170 172	-	- - - - -	- / -	- - -	-	- /
Internal serration disc brake rotor lock ring CENTER LOCK mot Axle fixing	Without With Without Unt cover option I method 166 168 170 172	- 12 mm E-THRU	/ - /	- - -	-	-	1
Internal serration disc brake rotor lock ring CENTER LOCK mot Axle fixing	With Without Unt cover option I method 166 168 170 172	- - - 12 mm E-THRU	- /	- /	-		-
CENTER LOCK mou	Without unt cover option method 166 168 170 172	- 12 mm E-THRU -	1	1		-	
CENTER LOCK mou	nethod 166 168 170 172	- 12 mm E-THRU -	1				-
Axle fixing	method 166 168 170 172	12 mm E-THRU -	-	_		-	✓
	166 168 170 172	-	Quick release		-		
Quick release skewer length (mm)	168 170 172			Quick release	Quick release	Quick release	Quick release
Quick release skewer length (mm)	170 172	-	-	1	1	1	1
Quick release skewer length (mm)	172		1	-	-	-	-
Quick release skewer length (mm)		-	-	1	1	1	1
-		-	-	-	-	-	-
-	173	-	1	-	-	-	-
	174	-	-	-	-	-	-
	176	-	-	-	-	-	-
	178	-	-	-	-	-	-
-	135 x 10 135 x 12	-	-	-	-	-	-
Thru ayla (langth y	142 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	_	-
mm)	150 x 12	-	-	-	-	-	-
-	150 x 12	-	-	-	-	-	-
Flange dista		61.45	55.7	57.4	57.4	56	59.5
Offset (7.6	7.45	6.6	6.6	6.1	5.6
P.C.D. left / r		50.5/51.5	44.6/44.6	45/45	45/45	61/61	45/45
Flange diameter l	•	59.3/60.3	53.5/53.8	53.8	53.8	70.6	53.8
	MICRO SPLINE	✓	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	_	_	_	_	_
-		-	-	-	-	-	-
Spline type	HG spline L (ROAD 12/11-speed)	-	✓	-	-	-	-
Ι '' ' '' Γ	HG spline M (10/9/ 8-speed, MTB 11-speed)	_	_	1	1	1	_
<u> </u>	11-speed)			•	•		_
	HG spline S (7-speed)	-	-	-	-	-	✓
Engageme		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick enga		-	-	-	-	-	-
	Hub	Labyrinth+Contact	Contact	Contact	Contact	Contact	-
Seal	FREEHUB body	Contact	Contact	-	-	-	-
Internal grea	ase sleeve	-	1	-	-	-	-
Digital adjustr	nent system	-	=	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	Polish	-	-	-	-
ьеаппд	Cone	-	CBN	-	-	-	-
	Cartridge	✓	-	-	-	-	-
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
TREEFIOR BODY	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
TIGO SHEH	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
, u.i.e	Finish	-	-	-	-	-	-
L	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
Quick release nut	Material	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	Finish	-	Black	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
9	Finish	-	* Used with an	* 166 mm Quick	-	-	-
Not	te		* Used with an additional spacer.	* 166 mm Quick release spec.			

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
	1 Quick release	-	Black	Black	Black	Black	-
Color	2 Hub shell	-	Silver	Silver	-	-	-
	2 Quick release	_	Black	Black	-	-	-
Brake		Rim brake	Rim brake	Rim brake	Rim brake	Rim brake	Rim brake
Rear s		11/10/9/8	11/10/9/8	11/10/9/8	7	7	7
O.L.D.		135	135	135	135	130	135
-	28H	-	-	-	-	-	-
Spoke hole	32H	1	1	1	1	1	1
Sporte more	36H	1	1	1	1	1	1
10 tooth cog		<u> </u>	-	-	-	V	-
	With		_	-	_	_	_
External serration disc brake rotor lock ring	Without	1	1	1	1	1	1
	With	<u> </u>	-	-	-	_	_
Internal serration disc brake rotor lock							
ring	Without	✓	1	1	1	1	✓
CENTER LOCK mo	·	-		-			-
Axle fixing		Nut	Quick release	Nut	Quick release	Quick release	Nut
	161	-	-	-	-	√	-
Outsk selected	166	-	1	-	1	-	-
Quick release skewer length (mm)	168	-	-	-	-	-	-
[170	-	1	-	1	-	-
	173	-	-	-	-	-	-
	135 x 10	-	-	-	-	-	-
Thus assis (lamenth s	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ;	142 x 12	-	-	-	-	-	-
mm)	148 x 12	-	-	-	-	-	-
	150 x 12	-	-	-	-	-	-
Flange dist	ance (mm)	55.45	57.4	57.4	57.4	57.4	57.4
Offset	(mm)	7.6	6.8	6.8	4.6	7.1	4.6
P.C.D. left /	right (mm)	45	45	45	45	45	45
Flange diameter		53.8	53.8	53.8	53.8	53.8	53.8
<u> </u>	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)	✓	1	1	-	-	-
	HG spline S (7-speed)	-	-	-	1	1	1
Quick eng	agement	-	-	-	-		-
Seal	Hub	Contact	-	-	-	-	-
Jeai	FREEHUB body	-	-	-	-	-	-
Internal gre	ase sleeve	-	-	-	-	-	-
	Stainless ball	-	-	-	-	-	-
Bearing	Cup	-	-	-	-	-	-
	Cone	-	-	-	-	-	-
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
FREEHUB BOOY	Finish	-	-	-	-	-	-
Hub shall	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted (black)/Clear	Painted (black)/Clear	Painted (black)	Painted (black)	Painted (black)
Avla	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	-	-	-	-	-	-
Outals male l	Material	-	Steel	-	Steel	Steel	-
Quick release lever	Finish	-	Plated	-	Plated	Plated	-
Quick release	Material	-	Steel	-	Steel	Steel	-
Quick release housing	Finish	-	Plated	-	Painted	Painted	-
	Material	-	Steel+Resin	-	Steel+Resin	Steel+Resin	-
Quick release nut	Finish	-	-	-	-	-	-
Disc broke "ata" la d	Material	-	-	-	-	-	-
Disc brake rotor lock ring	Finish	-	-	-	-	-	-
					O.L.D. 130 mm	O.L.D. 135 mm	O.L.D. 130 mm
No	τe				available	available	available

LIFESTYLE Active

FREEHUB (Rim Brake)

Sei	SHIMANO	
Mode	FH-TY500-7-NT(130)	
Mod	1 Hub shell	Black
	1 Quick release	-
Color	2 Hub shell	-
	2 Quick release	-
Brake	Rim brake	
Rear s	peeds	7
O.L.D.	(mm)	130
	28H	-
Spoke hole	32H	✓
	36H	✓
	compatible	
External serration disc brake rotor lock	With Without	-
ring Internal serration	With	_
disc brake rotor lock ring	Without	- -
	ount cover option	_
	g method	Nut
, 0.10 HAIII	161	-
	166	-
Quick release skewer length (mm)	168	-
skewer length (IIIII)	170	-
	173	-
	135 x 10	-
Thurs and a flammath or	135 x 12	-
Thru axle (length x inner diameter ; mm)	142 x 12	-
111111)	148 x 12	-
	-	
Flange dist	57.4	
Offset	7.1	
P.C.D. left /	45	
Flange diameter	left / right (mm)	53.8
	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/	
	HG spline M (10/9/ 8-speed, MTB 11-speed)	-
	HG spline S (7-speed)	1
Ouick end	gagement	
	Hub	-
Seal	FREEHUB body	-
Internal gr	ease sleeve	-
	Stainless ball	-
Bearing	Cup	
	Cone	-
FREEHUB body	Material	Steel
- INCELLION DOUG	Finish	-
Hub shell	Material	Aluminum
311011	Finish	Painted (black)
Axle	Material	Steel
	Finish	-
Quick release lever	Material	-
	Finish	=
	84-4	_
	Material	
Quick release housing	Finish	-
	Finish Material	-
Quick release housing Quick release nut	Finish Material Finish	-
Quick release housing	Finish Material Finish Material	-
Quick release housing Quick release nut Disc brake rotor lock ring	Finish Material Finish	-

BL

ST

RD

FD

BR

BL

FC

BB

BB

НВ

НВ

FH

Н

SW

RD

Shift Switch

Sei	ries		SHIMANO		
Mode	SW-EN605-R				
Switch	h type		Fixed button position		
Posi	ition		Clamp band		
Di2 connectivity wired	Di2 sł	nifting	-		
Di2 connectivity wireless	Di2 sł	nifting	1		
Button nui	mbers (pcs)		3		
Maste	er unit		-		
Firmware update b	y E-TUBE P	ROJECT	-		
SD50 pe	ort (pcs)		0		
SD300 p	ort (pcs)		0		
SD50 conn	ector (pcs)		0		
SD300 coni	nector (pcs)		0		
	Default	function	RD outward		
	Multiple input	2 step	-		
Switch1		Hold	1		
	Adjustable lever position		-		
	Default	function	RD inward		
	Multiple	2 step	-		
Switch2	input	Hold	1		
	Adjusta pos	ble lever ition	-		
	Default	function	Shifting mode		
Switch3	Multiple	2 step	-		
	Multiple input	Hold	1		
Suspensi	-				
Bat	CR1632 x 2				
LED	Shimano sta	system tus	1		
Average v	Average weight (g)				
No	ote		-		

LIFESTYLE Active

Rear Derailleur

Model no. RD-U8050-SGS RD-U8070-Series Color Series Color	Se	ries		CUES	CUES	CUES	CUES
Rest StiffAndQ SHADOW	Mod	lel no.		RD-U8050-SGS	RD-U8050-GS	RD-U6070	RD-U6050
Rear speed: SHIMAND SHADOW / / / / / / / / / / / / / / / / / / /				Series color			
SHINAND SHADOW SHINAND SHADOW Double serve Dreed residency Mount Mount Mount Mount Max. Front difference Coal cases(the Max. 207 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437 507 437			2	- 11/10	- 10	- 11	- 10
Durch sterying to Joyce and Architecture	Treat.	SHIMANO	SHADOW				
Mount Double servo	RD construction	SHIMANO	SHADOW	-	-	-	-
Mount Direct mount - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -		Double	e servo	-	-	-	-
Mount		Direct at (conve	tachment ntional)			-	-
Max. front difference Total capacity Max. Max. Simple Single Si	Mount	Riveted	mount adapter				
Max. Fort difference		(ROAL	o type)				
Total canacity 39T 32T 39T	Max from	(BMX-tra	ack type)				
Downward		apacity		39T	32T	39T	32T
Top sprocket	Low sprocket						
Fluoric coated link bushinss Cute gulley International Country Pulley Pulley Pulley Pulley Finish Fluoric Coated Into bushings Screws material Screws material Sunken type pulley Finish Bracket Finish B-axle Hollow axle Hollow axle B-axle B-axle Hollow axle Finish B-axle 2 Material B-axle 2 Material B-axle 2 Material B-axle 3 Material Bracket body Finish Painted Painte	Top sprocket	M	ax.	11T	11T	11T	11T
Pulley Formation Dulley Feminon Dulley Dulley Feminon Dulley		d link bushir	ngs				
Pulley Pulley Pulley Person pulley Stainless steel Pulley Pull		Guide	pulley iring			-	-
Teeth Screws material Stainless steel St		Tension	n pulley	-	-	-	-
Bracket Material Steel Steel Steel Steel Painted Paint	Pulley	Te	eth				
Bracket Material Steel Steel Steel Steel Painted Paint		Sunken to	ype pulley				
B-axle Finish Painted Painted Painted Painted Painted B-axle Material Stainless steel Stainless steel Stainless steel Painted Pain	Drocks*			Steel	Steel	Steel	
B-axle Material Stainless steel Stainless steel Stainless steel Painted Pa	вгаскет	Fir	nish	Painted	Painted	Painted	Painted
B-axle 2 Material Aluminum Aluminum Stainless steel Strainless steel Strainless steel Stainless steel Strainless strainless steel Strainless strainless strainless steel Strainless	B-axle	Mat	terial	Stainless steel	Stainless steel	Stainless steel	Stainless steel
B-axle 2 Material Aluminum Aluminum Stainless steel Stainless steel Finish Anodized Anodezed Painted P		Fir	nish		Painted	Painted	
Bracket body Bracket body Bracket body Bracket body Finish Painted P-axle Material P-axle Material P-axle Material P-axle Material P-axle P-axle Material P-axle P-	B-axle 2	Mat	terial				
Bracket body Finish Painted Plate body Material Finish Plated P							Painted
Plate Plated Pl	Bracket body	Fir	nish	Painted	Painted	Painted	Painted
Plate body	P-axle						
Outer link Material Painted	Plate body	Mat	terial	PA+GF	PA+GF		
Inner link	Outer link					PA+GF	PA+GF
Outer plate Material Aluminum Aluminum Steel Steel	Outer link						
Unter plate Inner plate Inner plate Material Inner plate Material Material Aluminum Aluminum Aluminum Steel Steel Steel Steel Steel Steel Steel Steel Steel Diz connectivity ANT Bluetopt Logish Logish	Inner link						
Inner plate	Outer plate						
Stroke adjusting	Inner plate	Mat	terial	Aluminum	Aluminum	Steel	Steel
Screw Finish Plated Pl							
Di2 shifting V	screw					Plated	
Bluetoot Cycling	wired						
Note Bowel Ant Broyder Ant Broyder Ant Broyder Ant Broyder Ant Broyder Ant Broyder Adjust Ant Broyder Adjust Ant Broyder Adjust Ant Broyder An		Bluetoot	Cyclina	•			
Diz connectivity wireless Diz connectivity Diz connectivity wireless Diz connectivity Diz conn			power Bicycle				
Diz connectivity wireless Diz connectivity Diz connectivit			power Adjust	-	-	-	-
Diz connectivity wireless Diz			mode informat	✓	✓	-	-
Bluetoot house Continue Con			. Di2	_	_		
Diz connectivity Diz connect			levei	7	7	-	-
Diz connectivity Diz connect			Gear position	✓	✓	-	-
Di2 connectivity Wireless Custom (**1) State Compatit Compatit Compatit ETUBE RIDE Compatit Compatiti Compati		Bluetoot h® LE	SHIMAN O E-BIKE				
Di2 connectivity wireless Compatible with E-TUBE Compatible with E-TUBE Compatible with a Bluetooth LE compatible with a Bluetooth Connection connector (a Will be shown only when connecting of a Will be shown only when connecting to a Will be shown only when connected to shift MMN OF Bilk EXTERNS		custom (*1)	SYSTEM S data	-	-	-	-
Compatible with E-TUBE FUBE FUB		` "	rtems (*3)				
Compatible with E-TUBE FUBE FUB	Di2 connectivity wireless	1	Compati ble_with	1	1	_	_
ANT private Capar		1	RIDE		·		
ANT private Capar			Compati ble with	1	1	_	_
ANT Private Compatible Properties			PROJECT	-	-		
ANT private			l móde l	1	1	_	-
ANT private Gear			ion		, i		
Private Gear Fostition SHIMAN OF BIKE SYSTEM Sustain		ANT	battery	1	✓	-	-
SHIMAN OF-BIKE SYSTEM SYSTEM SYSTEM Stata		private	Gear	1	1	-	-
		('2)	SHIMAN				
			SESTEM	_	_	_	_
Firmware update by E-TUBE PROJECT SD50 port (pcs) 1 * 1 * 1 SD50 connector (pcs) 5D50 connector (pcs) 0 0 0 0 0 SD300 connector (pcs) 0 0 0 CB 0 0 C		1	items				
SD300 port (pcs)			ROJECT	1	1	1	1
SD50 connector (pcs) 0 0 0 0	SD300 port (pcs)		0 1 *		-		
LED for system status Charging port	SD50 connector (pcs)			0	0	0	0
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							
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	Chargi	ing port		-	-	-	-
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	Average	weight (g)		-	-		
not rreely open profile. *4 Compatible with ANT-F cycle computer but not freely open profile. *3 Will be shown only when connected to SHIMANO E-BIKE SYSTEMS			etooth LE /tablet but				
connected to SHIMANO E-BIKE SYSTEMS	not freely open pro with ANT+ cycle cor	οτιιε. *2 Cor ηρυτεr but	npatible not freely				
	connected to SHIM	NO E-BIKE	SYSTEMS				

SW

RD

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LIFESTYLE Comfort

<Di2 spec.>

	Page
Internal Geared Hub	230 sg
Chain Tensioner	235 ст
Sprocket	236 cs
Shifter	237 SL
Brake Lever (Hydraulic Disc Brake)	241 BL
Brake Lever	242 BL
Brake (Hydraulic Disc Brake)	243 BR
Brake (Roller Brake)	244 RB
Crankset	246 FC
Front Hub (Roller Brake)	247 нв
FREEHUB (Roller Brake)	248 FH
FREEHUB (Band Brake)	249 FH
Head Parts	249 HP
Internal Geared Hub	250 sg
Motor Unit	251 MU

Internal Geared Hub

Ser	ies	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS
Model no.		SG-S7001-11	SG-S7001-8	SG-C7002-5CD	SG-C7000-5V	SG-C7000-5R	SG-C7000-5C
Function	n 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
7,1	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
ļ	4	0.878	0.851	2.07	2.07	2.07	2.07
Goow	5	0.995	1	2.63	2.63	2.63	2.63
Gear ratio	6	1.134	1.223	-	-	-	-
ļ	7	1.292	1.419	-	-	-	-
	8	1.462	1.615	-	-	-	-
	9	1.667	-	-	-	-	-
	10	1.888	-	-	-	-	-
	11	2.153	-	-	-	-	-
Shifting structure		Top-normal	Top-normal	Top-normal	Top-normal	Top-normal	Top-normal
Silent clutch		1	1	1	✓	1	1
Gear change support mechanism		1	1	1	✓	1	✓
Shifting POWER MODULATOR		1	1	1	✓	1	1
Driving e	fficiency	High	High	HIGH	High	High	High
w/ Left han	nd dust cap	-	-	-	✓	-	-
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	✓
Spoke hole	36H	1	1	1	1	1	✓
	Others	-	-	-	-	-	-
	182	-	-	-	-	-	-
ļ	184	-	-	-	-	-	-
Axle length (mm)	187	1	1	1	✓	1	1
ļ	193	-	-	-	-	-	-
	Others	-	-	-	-	-	-
Flange dist	ance (mm)	57.3	57.3	58.3	58.3	58.3	58.3
Flange diameter (mm)		104.3	104.3	105.2	105.2	105.2	105.2
Flance width (mr.)	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 /	right (mm)	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
		1665	1670	2010	1670	1670	1970
Average v	Average weight (g) Note						

LIFESTYLE Comfort

Internal Geared Hub

Ser	ries	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
	el no.	SG-C7000-5D	SG-C6011-8V	SG-C6011-8R	SG-C6001-8V	SG-C6001-8R	SG-C6001-8C
Functio	n name	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	-	-	-	-	-	-
	Mount type	CENTER LOCK disc brake	V-BRAKE	INTER-M	V-BRAKE	INTER-M	Coaster brake
Brake 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
Goog godin	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	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting :	structure	Top-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent	clutch		1	1	1	1	1
Gear change support mechanism		1	1	1	1	1	1
Shifting POWE		1	· /	1	✓	1	· /
	efficiency	High	High	High	Standard	Standard	Standard
w/ Left har		-	√	-	√	-	-
O.L.D.		135	132	132	132	132	132
Spoke		#13/#14	#13/#14	#13/#14	#13/#14	#13/#14	#13/#14
эрок	28H	-	-	-	-	-	-
	32H		√	1	√	1	
Spoke hole	36H	<i>'</i>	-	1	1	1	<u> </u>
		•		-	-		<u> </u>
	Others 182	-	-	40H -	-	40H -	-
		-					
Axle length (mm)	184 187	-	√	-	-	√	√
Axie length (mm)		1				-	-
	193	-	-	-	-	- 202	-
ei	Others	-	-	-	203	203	-
Flange dist		57.3	58.3	58.3	58.3	58.3	58.3
Flange diar		105.2	105.2	105.2	105.2	105.2	105.2
Flange width (mm)	Right	3.2	3.2	3.2	3.2	3.2	3.2
	Left	3.2	3.2	3.2	3.2	3.2	3.2
	t (mm)	3.2	2.7	2.7	2.7	2.7	2.55
P.C.D. left /		92.6	92.6	92.6	92.6	92.6	92.6
Hub shell	material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	finish	Painted	Painted	Painted	Painted	Painted	Painted
Average v	weight (g)	1650	1685	1660	1735	1710	2040
No	ote	-	-	-	-	-	-

SG

СТ

CS

BL

BR

RB

FC

FH

SG

IVIU

Internal Geared Hub

Ser	ies	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Model 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
Ī	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
6	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
	8	1.615	1.615	-	-	-	-
	9	-	-	-	-	-	-
Ī	10	-	-	-	-	-	-
	11	-	-	-	-	-	-
Shifting s	structure	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal	Low-normal
Silent	clutch	1	1	-	-	-	-
Gear change sup	port mechanism	1	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	1	✓
Spoke hole	36H	1	1	1	1	1	1
	Others	-	-	-	-	-	-
	182	-	-	1	-	-	-
ļ	184	-	-	-	-	1	-
Axle length (mm)	187	1	1	-	-	-	✓
ļ	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
Elango width (mm)	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		-	-	*European market only	*European market only	-	*European market only

LIFESTYLE Comfort

Internal Geared Hub

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Internal Geared Hub

Ser	ies	NEXUS	NEXUS	
Mode		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	
ы аке туре	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	-	-	
	5	_	-	
Gear ratio	6	-	-	
	7	-	-	
	8	-		
	9	-	-	
	10	-	_	
	11	_		
Shifting :		Low-normal	Low-normal	
Silent		-	✓	
Gear change sup		1		
Shifting POWE			*	
Driving e		Standard	Standard	
w/ Left har	-	-	-	
O.L.D.		120/127	135	
Spoke		#13/#14	#13/#14	
	28H	1	-	
Spoke hole	32H	-	✓	
	36H	1	· ·	
	Others	-	-	
	182	-	-	
	184	-	-	
Axle length (mm)	187	-	-	
	193	-	✓	
	Others	168/175/178	-	
Flange dist	ance (mm)	57.5	53.5	
Flange diar	neter (mm)	67.5	77.6	
Flange width (mm)	Right	2.3	3.2	
ange maan (mill)	Left	2.3	3.2	
Offset	(mm)	1.2/2.7 (175mm axle)	1.7	
P.C.D. left /	right (mm)	59	65	
Hub shell	material	Steel	Aluminum	
nub sileli	finish	Plated	Painted	
Average v	veight (g)	1120	945	
No	te	-	-	



Chain Tensioner

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	Compatible sprocket		CS-S500 SM-GEAR
Max. front	Max. front difference		-
Max. rear	sprocket	20T	20T (CS-S500), 23T (SM-GEAR)
Min. rear	sprocket	18T	16T (SM-GEAR), 18T (CS-S500)
Drop	oout	Vertical drop end type	Vertical drop end type
Мо	unt	Derailleur hanger	Hub axle
Struc	Structure		Single pulley
Tensioner arm	Material	Aluminum	Aluminum
iensioner arm	Finish	Painted	Painted
No	Note		

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Sprocket

Series		ALFINE	NEXUS	NEXUS
Mod	el no.	CS-S500	CS-C7000	SM-GEAR
With		1	-	-
Chain guard	Without	✓	1	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 thicl	(ness (mm)	2.0	2.3	2.3/3.0
	Super Narrow HG 9-speed	1	-	-
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
Mode	el 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	2	Black	Black	Black	Black	Black	Black
	3		-	-	-	-	-	-
Shifte	r type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	REVOSHIFT	RAPIDFIRE PLUS	REVOSHIFT
Top-ne	ormal		1	1	-	-	-	-
Front s	peeds		-	-	-	-	-	-
Rear s	peeds		11	8	8	8	7	7
Compatible rear derai	lleur/interi type	nal geared	SG-S7001-11	SG-S7000-8, SG- S7001-8	SG-S501, NEXUS INTER-8	NEXUS INTER-8	NEXUS INTER-7	NEXUS INTER-7
Compatible from	t derailleur	type	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever o	able adjust	t	√	✓	1	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	-	1	-
	W	ith	Above handlebar	Above handlebar	Above handlebar	Window	Window	Window
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Aluminum	Aluminum	Aluminum	Resin	Aluminum	Resin
Silit level blacket	Fin	ish	Painted	Painted	Painted	Resin	Painted	Resin
Main lever body	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	-	Steel+Resin	-
Wall level body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	Steel+Resin	Steel+Resin	Steel+Resin	-	Steel+Resin	-
neleuse level bouy	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
2450 0010.	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Shift lever cable	Inner cable	OPTISLIC K	-	-	-	-	-	-
	capie	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	✓	1	1	✓	1
Steel		-	-	-	-	-	-	
Recommended shift	t lever oute	er casing	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Clamping dia	meter (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	ies		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	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	2	Black	Black	Black	Black	Black	-
	:	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	osition adju	st	-	-	-	-	-	-
Shift lever	able adjust	t	✓	1	1	1	-	1
Max. multiple shift	s (main lev	er/rear)	4	1	4	4	2	1
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY F	RELEASE	-	-	-	-	-	-
	w	ith	Window	Window	Window	Window	Window	Below handlebar
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	With	hout	-	-	-	-	-	-
Multi-bearing	construction	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Aluminum	Resin	Resin	Resin	Aluminum
Shift lever bracket	Fin	ish	Resin	Painted	Resin	Resin	Resin	Painted
Main layer hady	Mat	erial	-	-	-	-	-	Steel+Resin
Main lever body	Fin	ish	-	-	-	-	-	-
Release lever body	Mat	erial	-	-	-	-	-	Steel+Resin
Release level body	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	-
base cover	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
Chiffe lavor and la	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	✓	✓	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 (mm	1)	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	-	-	White	-	White	-
Shifte	r type		REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	REVOSHIFT	Piano-touch
Top-n	ormal		-	-	-	-	-	-
Front	speeds		-	-	-	-	-	-
Rear s	peeds		3	3	3	3	3	3
Compatible rear dera	illeur/interi type	nal geared	NEXUS INTER-3	NEXUS INTER-3				
Compatible fron	t derailleur	type	-	-	-	-	-	-
Shift lever po	sition adju	st	-	-	-	-	-	-
Shift lever	able adjust	t	-	-	-	-	-	-
Max. multiple shift	ts (main lev	er/rear)	2	2	2	2	2	2
	MULTI F	RELEASE	-	-	-	-	-	-
Release function	INSTANT	RELEASE	-	-	-	-	-	-
	2-WAY I	RELEASE	-	-	-	-	-	-
	w	ith	Window	Dial	Window	Window	Window	Dial
OPTICAL GEAR DISPLAY	With (re	movable)	-	-	-	-	-	-
	Witl	hout	-	-	-	-	-	-
Multi-bearing	constructi	on	-	-	-	-	-	-
Shift lever bracket	Mat	erial	Resin	Aluminum	Resin	Resin	Resin	Steel
Jilit level blacket	Fin	ish	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
nelease level souy	Fin	ish	-	-	-	-	-	-
Base cover	Mat	erial	Resin	Resin	Resin	Resin	Resin	Resin
	Fin	ish	-	-	-	-	-	-
		Polymer- coated cable	-	-	-	-	-	-
	Inner	OPTISLIC K	-	-	-	-	-	-
Shift lever cable	Inner cable	SIL-TEC	-	-	-	-	-	-
		Stainless	1	1	-	-	-	-
		Steel	-	-	1	1	1	1
Recommended shif	t lever oute	er casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	SP outer for IHG	SP outer for IHG
Clamping dia	ameter (mn	1)	22.2	22.2	22.2	22.2	22.2	22.2
Average v	veight (g)		-	-	-	-	-	-
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Ser	NEXUS				
	Model no.				
	1		-		
Color	:	2	-		
	:	3	White		
Shifte	r type		Piano-touch		
Top-n	ormal		-		
Front	speeds		-		
Rear s	peeds		3		
Compatible rear dera	illeur/interi type	nal geared	NEXUS INTER-3		
Compatible fron	t derailleur	type	-		
Shift lever po	sition adju	st	-		
Shift lever	able adjust	t	-		
Max. multiple shift	ts (main lev	er/rear)	2		
	MULTI F	RELEASE	-		
Release function	INSTANT	RELEASE	-		
	2-WAY I	RELEASE	-		
	With		Dial		
OPTICAL GEAR DISPLAY	With (re	movable)	-		
	Witl	hout	-		
Multi-bearing	constructi	on	-		
Shift lever bracket	Mat	erial	Steel		
Silit level blacket	Fin	ish	Painted		
Main lever body	Mat	erial	Steel+Resin		
Walli level body	Fin	ish	-		
Release lever body	Mat	erial	Steel+Resin		
Release level body	Fin	ish	-		
Base cover	Mat	erial	Resin		
Dase cover	Fin	ish	-		
		Polymer- coated cable	-		
	Inner	OPTISLIC K	-		
Shift lever cable	cable	SIL-TEC	-		
		Stainless	-		
Steel			✓		
Recommended shif	SP outer for IHG				
Clamping dia	22.2				
Average v	Average weight (g)				
No					



Brake Lever (Hydraulic Disc Brake)

Ser	ALFINE	
Mode	BL-S7000	
Brake	type	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	WAVE	-
	Toolless	-
Reach adjust	Tool	1
Free stro	ke adjust	-
	Clamp band	1
Compatible shifter	I-SPEC B	-
Compatible shifter mount	I-SPEC II	1
	I-SPEC EV	-
Shifter rotation angle EV;	e adjust range (I-SPEC deg.)	-
Clamp band	Open clamp	1
Recommended	d brake caliper	BR-S7000
o	il	SHIMANO mineral
Funnel b	oleeding	1
	Material	Stainless steel
Clamp screw	Finish	-
	Material	Aluminum
Brake lever	Finish	Anodized
	Material	Aluminum
Master cylinder	Finish	Painted
Average v	veight (g)	-
No		

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Brake Lever

Sei	ries	NEXUS	NEXUS
Mode	el no.	BL-C6010	BL-C6000
	1	Silver (C6000)	Silver
Color	2	Silver (C3000)	Black
	3	Black	-
	V-BRAKE	1	✓
	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	-	-
Compatible brake type	Caliper (NEW SUPER SLR)	-	-
	Caliper (SUPER SLR)	-	-
	Cantilever brake	-	-
	Roller brake	✓	✓
Recommended	V-BRAKE	SM-PM40	SM-PM40
Recommended POWER MODULATOR	Mechanical disc brake (MTB)	-	-
	Open clamp band	-	-
Clamp band	I-SPEC	-	-
	Diameter (mm)	22.2	22.2
Internal bu	ımper stop	1	1
Lever siz	e (finger)	4	4
Brake ca	ble type	T-type	T-type
Power a	adjuster	-	-
SERVO	WAVE	-	-
Reach	adjust	1	✓
Cable	adjust	✓	✓
Cable ad	just type	Two hand	Two hand
Duales I	Material	Aluminum	Aluminum
Brake lever	Finish	Anodized	Anodized
Brake bracket	Material	Aluminum	Aluminum
вгаке ргаскет	Finish	Painted	Painted
No	ote	* Brake lever ratio is different from BL- C6000 for better performance with BR-C6000, C3000 series.	



Brake (Hydraulic Disc Brake)

Sei	ries	ALFINE			
Mode	BR-S7000				
	1	Series black			
Color	2	Series silver			
	3	-			
Brake	type	Hydraulic disc brake			
Brake h	ose (kit)	SM-BH59-JK-SS			
Hose	joint	Straight			
Brake hose color (kit)	1	Black			
(KIT)	2	-			
J-Kit spec	(for OEM)	✓			
ICE TECHNOLOGIES p	ad compatible caliper	-			
	Standard 1	G05S-RX Resin (w/o fin)			
Pad	Standard 2	-			
	Option 1	-			
	Option 2	-			
	10 mm mount	-			
	15 mm mount	-			
Fixing screw spec	20 mm mount	-			
Fixing screw spec for rear mount	25 mm mount	-			
	30 mm mount	-			
	35 mm mount	-			
Recommende	d brake lever	BL-S7000			
Recommended	disc brake rotor	SM-RT64 SM-RT66			
	140 mm (SS)	✓			
	160 mm (S)	✓			
Compatible rotor size	180 mm (M)	1			
	203 mm (L)	1			
	220 mm (LL)	-			
С	il	SHIMANO mineral			
ONE WAY	BLEEDING	1			
Moun	t type	Post type			
Pis	ton	2			
Piston r	naterial	Resin			
	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 (stainless steel)			
Average v	weight (g)	-			

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Brake (Roller Brake)

Se	ries	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mod	el no.	BR-C6060-F	BR-C6050-F	BR-C6000-F	BR-C6000-F-DX	BR-C6000-R	BR-C6000-R-DX
Color	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	-	-	-	-
Fre	ont	1	✓	✓	✓	-	-
Re	ear	-	-	-	-	✓	✓
Structu	ire type	Hyper	Hyper	Hyper	Hyper	Hyper	Hyper
Braking p	ower (*1)	1.5	1.5	1.5	1.5	1.2	1.2
Cooling fin d	iameter (mm)	138	138	150	150	150	150
Heat dissip	oation (*1)	1.4	1.4	1.4	1.4	1.4	1.4
Without	cooling fin	-	-	-	-	-	-
With POWER MO	DULATOR function	1	✓	-	-	-	-
	26-28 inch	-	-	1	1	1	1
	660-712 mm	1	✓	-	-	-	-
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	-	-
	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	70-100	-	-	-	-
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.	Except Japan market	Except Japan market				

Series		NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mod	el no.	BR-C3010-F	BR-C3010-R	BR-C3000-F	BR-C3000-F-DX	BR-C3000-R	BR-C3000-R-DX
Calan	1	Silver	Silver	Silver	Silver	Silver	Silver
Color	2	-	-	Black	-	Black	-
Fre	ont	✓	-	1	✓	-	-
Re	ear	-	✓	-	-	✓	✓
Structu	ire type	Normal	Normal	Normal	Normal	Normal	Normal
Braking p	ower (*1)	1.3	1.0	1.3	1.3	1.0	1.0
Cooling fin d	iameter (mm)	140	140	122	122	122	122
Heat dissip	oation (*1)	1.2	1.2	1.0	1.0	1.0	1.0
Without	cooling fin	-	-	-	-	-	-
With POWER MO	DULATOR function	-	-	-	-	-	-
	26-28 inch	✓	✓	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	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.						



Brake (Roller Brake)

Ser	NEXUS	
Mode	BR-IM31-R	
Color	1	Silver
Color	2	-
Fro	ont	-
Re	ar	*
Structu	re type	Normal
Braking po	ower (*1)	0.9
Cooling fin di	iameter (mm)	90
Heat dissip	ation (*1)	Less than 1
Without o	ooling fin	Available
With POWER MOD	OULATOR 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 o	quick release	-
Note*1 Performance C3000-R brake unit a: 1. Testing		

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Crankset

Se	ries	ALFINE	NEXUS
Mod	el no.	FC-S501	FC-C6000
Color	Color 1		Silver
	Rear speeds		Black (Internal geared
Rear		(Internal geared hub)	hub)
	Super Narrow HG for 11-speed	-	-
	Super Narrow HG for 9-speed	√ (CN-HG93, CN- HG53)	-
Compatible chain	HG 8-speed (1/2 inch x 3/32 inch)	-	✓ (CN-HG71)
	1/2 inch x 1/8 inch	-	✓ (CN-NX10)
Chain li	LG ne (mm)	49.2 (double chain guard), 42.7 (single	44
P.C.D. left /	right (mm)	chain guard) 130	-
	ear arms	5	-
	ombination or (mm)	39T, 42T, 45T -	33T, 38T -
	165	-	-
	167.5 170	-	-
Crank arm length (mm)	172.5	-	-
()	175	-	-
	177.5 180	-	-
	With bash guard	-	-
Optional chain guard	With chain guard	√ (double)	-
	Without chain/bash guard	-	1
	NTECH II	-	-
	CRANKSET CH crank arm	√	-
	ALINK	-	-
HOLLO	WGLIDE	-	-
Compatible bottom	Outboard	✓	-
Compatible bottom 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	-	-
Chain case	compatible Material	- Aluminum	√ Aluminum
Crank arm	Finish	Anodized/Painted	Painted
Crank axle	Material	-	-
	Finish Material	-	-
Spider arm	Finish	-	-
Spider arm cover	Material	-	-
	Finish Material	- Aluminum	- Steel
Outer ring	Finish	Anodized	Black
Middle ring	Material	-	-
	Finish Material	-	-
Inner ring	Material Finish	-	-
Outer/middle ring fixing bolt	Material	-	-
	Finish Material	-	-
Inner ring fixing screw	Material Finish	-	-
	Material	Aluminum	Resin
	Finish	Anodized	Painted
Chain guard 1	Diameter (mm) 45T Diameter (mm) 42T	200 190	-
	Diameter (mm) 39T	174	-
	Diameter (mm) 33T	P. die	95.4
	Material Finish	Resin -	-
Chain award 3	Diameter (mm) 45T	200	-
Chain guard 2	Diameter (mm) 42T	190	-
	Diameter (mm) 39T	174	95.4
Crank fixing s	Diameter (mm) 33T crew included	-	95.4 ✓
	170 mm, w/o bottom cket)		
	ote		t: Chain case thickness * Both of spec with screw and spec w/o screw are available.



Front Hub (Roller Brake)

Series		NEXAVE	NEXUS
Model no.		HB-IM70-NT	HB-IM40
	1 Hub shell	Silver	Silver
	1 Quick release	Silver	-
Color	2 Hub shell	-	-
	2 Quick release	-	-
Ту	pe	For hub roller brake	For hub roller brake
	28H	-	-
	32H	-	-
Spoke holes	36H	4	✓
	Others	-	-
P.C.D. (mm)		70	52
O.L.D. (mm)		100/105	100
Flange distance (mm)		56.8	61.5
Offset (mm)		3.7/6	4.3
	26-28 inch	1	1
	660-712 mm	-	-
	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	-	✓
	20-24 inch	-	-
Axle fixing method		Nut	Nut
Axle (nut type)	Axle length 140 mm	√ (M9)	√ (M9)
	Axle length 145 mm	√ (M9)	-
	Material	Steel	Steel
Seal		~	✓
Hub shell	Material	Aluminum	Aluminum
	Finish	Clear Painted	Machined
Structure (br	Structure (braking power)		Normal
N. d.			

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FREEHUB (Roller Brake)

Series		NEXAVE	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-IM70	FH-IM20	RH-IM10	RH-IM11
Color	Hub shell	Silver	Silver	Silver/Black	Silver
	Quick release	-	-	-	-
Spoke holes	28H	-	1	1	1
	32H	1	-	1	1
	36H	1	1	1	1
	Others	-	-	-	-
İ	P.C.D. (mm)	45	45	45	74
FREEHUB body	Speeds	8/9	7	-	-
	11T compatible	1	1	-	-
	Roller clutch	Roller Clutch	-	-	-
	Material	Steel	Steel	Steel	Steel
O.L.D. (mm)		135	134.7	129.5 (6-speed), 130.0 (7-speed)	132.7 (6-speed), 134.7 (7-speed)
Flange diameter (mm)		53.8	54	54	84
Flange distance (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 fixing method		Nut	Nut	Nut	Nut
Axle (quick release type)	Quick release skewer length	-	-	-	-
	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
Seal -	Hub	1	-	-	-
	Freewheel	1	-	-	-
Hub shell	Material	Aluminum	Steel	Steel	Steel
	Finish	Anodized	Chrome plated	Plated	Plated
Note				For 6/7-speed multiple free wheel	For 6/7-speed multiple free wheel



FREEHUB (Band Brake)

SHIMANO Mode of the shell				
Color Hub shell Black Quick release - 28H ✓ 32H - 36H ✓ Others - P.C.D. (mm) 45 Speeds Single speed 11T compatible - Roller clutch - Material Steel Flange dister (mm) 55 Flange dister (mm) 51.5 Dish (mm) 1.8 Axle (quick release skewer length - Axle (quick release skewer length - Skewer length - Material - Axle (nut type) Material Steel Hub - Seal Hub - Freewheel - Hub shell Finish Plated	Ser	SHIMANO		
Color Quick release - Aye 32H √ 32H - 32H - 36H ✓ Others - P.C.D. (mm) 45 Speeds Single speed 11T compatible - Roller clutch - Material Steel Flange dister (mm) 115/120 Flange dister (mm) 55 Flange dister (mm) 1.8 Axle (quick release skewer length - Axle (quick release skewer length - Axle (quick release type) - Length (mm) - Axle (nut type) Material - Material Steel Hub - Freewheel - Hub shell Finish Plated	Mode	FH-S028		
Quick release - Spoke holes 32H - 36H ✓ Others - P.C.D. (mm) 45 FREEHUB body Speeds Single speed 11T compatible - Roller clutch - Material Steel Flange distance (mm) 51.5 Flange distance (mm) 51.5 Plange distance (mm) 1.8 Axle (quick release skewer length - Axle (quick release skewer length - Sewer length - Material - Axle (nut type) Material Steel Hub - Seal Hub - Freewheel - Hub shell Finish Plated	Color	Hub shell	Black	
Spoke holes 32H -	Color	Quick release	-	
Spoke holes 36H ✓ Others - P.C.D. (mm) 45 P.C.D. (mm) 45 FREEHUB body Speeds Single speed 111T compatible - Roller clutch - Material Steel Flange distre (mm) 115/120 Flange distre (mm) 55 Flange distre (mm) 1.8 Axle (quick release (quick release skewer length - Axle (quick release skewer length (mm) - Material - Axle (nut type) Material - Material Steel Hub - Freewheel - Hub shell Finish Plated		28H	1	
Others - P.C.D. (mm) 45 P.C.D. (mm) 45 Speeds Single speed Single speed 11T compatible - Roller clutch - Material Steel Dish (mm) 55 Flange distance (mm) 51.5 Dish (mm) Nut Axle fixing method Nut Axle (quick release skewer length - Length (mm) - Material - Axle (nut type) Material Steel Hub - Seal Hub - Freewheel - Hub shell Finish Plated		32H	-	
P.C.D. (mm) 45 Speeds Single speed 11T compatible - Roller clutch - Material Steel O.L.D. (mm) 115/120 Flange distance (mm) 55 Flange distance (mm) 51.5 Dish (mm) 1.8 Axle (quick release skewer length - Axle (quick release skewer length - Length (mm) - Material - Axle (nut type) Material Steel Hub - Seal Hub - Freewheel - Hub shell Finish Plated	Spoke holes	36H	1	
Speeds Single speed 11T compatible - Roller clutch - Material Steel O.L.D. (mm) 115/120 Flange diameter (mm) 55 Flange distance (mm) 51.5 Dish (mm) 1.8 Axle fixing method Nut Axle (quick release type) - Length (mm) - Material - Axle (nut type) Material 5teel Material Steel Hub - Freewheel - Hub shell Finish Plated		Others	-	
The second color of the		P.C.D. (mm)	45	
Roller clutch -		Speeds	Single speed	
Roller clutch	EDEELIND by dr	11T compatible	-	
O.L.D. (mm) 115/120 Flange diameter (mm) 55 Flange distance (mm) 51.5 Dish (mm) 1.8 Axle fixing method Nut Quick release skewer length - Length (mm) - Material - Axle (quick release skewer length - Material - Material Steel Hub - Freewheel - Hub shell Material Steel Finish Plated	FREEHUB body	Roller clutch	-	
Flange diameter (mm) 55 Flange distance (mm) 51.5 Dish (mm) 1.8 Axle fixing method Nut Axle (quick release type) Cuick release skewer length -		Material	Steel	
Flange distance (mm) 51.5	O.L.D.	. (mm)	115/120	
Dish (mm) 1.8 Nut	Flange diar	neter (mm)	55	
Axle fixing method Nut Axle (quick release type) Quick release skewer length - Length (mm) - Material - Axle (nut type) Length left / right (mm) 165/170/180/185/192 Material Steel Hub - Freewheel - Hub shell Finish Plated	Flange dist	tance (mm)	51.5	
Axle (quick release skewer length -	Dish	(mm)	1.8	
Axle (quick release type) Length (mm) - Material - Axle (nut type) Length left / right (mm) 165/170/180/185/192 Material Steel Hub - Freewheel - Hub shell Finish Plated	Axle fixin	Axle fixing method		
Material - Axle (nut type) Length left/right (mm) / right (mm) 165/170/180/185/192 Material Steel Hub - Freewheel - Hub shell Material Steel Finish Plated		Quick release skewer length	-	
Axle (nut type) Length left/ right (mm) 165/170/180/185/192 Material Steel Hub - Freewheel - Hub shell Material Steel Finish Plated	Axle (quick release type)	Length (mm)	-	
Axie (nut type) Material Steel Hub - Freewheel - Hub shell Material Steel Finish Plated		Material	-	
Material Steel Hub - Freewheel - Hub shell Material Steel Finish Plated	Axle (nut type)	Length left / right (mm)	165/170/180/185/192	
Seal Freewheel - Material Steel Finish Plated		Material	Steel	
Hub shell Finish Freewheel - Material Steel Finish Plated	Seal	Hub	-	
Hub shell Finish Plated		Freewheel	-	
Finish Plated	Hub shall	Material	Steel	
Note for band brake	Tiub sileli	Finish	Plated	
	No	for band brake		

Head Parts

Series		NEXUS
Mode	Model no.	
Color	1	Black
Color	2	-
A (r	A (mm)	
B (mm)		30.5 - 31.5
Front fork stem thread size		BC 1 inch x 24 T.P.I.
C (n	Max. ø38	
D (r	21.7	
Head tube material		Steel
Note		

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Internal Geared Hub

Ser	ries	ALFINE	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	
Mode	el no.	SG-S7051-11	SG-S7051-8	SG-C6061-8V	SG-C6061-8D	SG-C7050-5V	SG-C7050-5D	
Functio	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	
	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	
	4	0.878	0.851	0.851	0.851	2.07	2.07	
Gear ratio	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 :	Shifting structure		Di2	Di2	Di2	Di2	Di2	
Silent	Silent clutch		1	✓	1	✓	1	
Gear change sup	port mechanism	1	•	✓	1	✓	1	
Shifting POWE	R MODULATOR	1	1	✓	1	✓	1	
Driving e	efficiency	HIGH	High	High	High	High	High	
w/ Left har	nd dust cap	-	-	✓	-	✓	-	
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	1	-	-	-	-	-	
Spoke hole	32H	1	1	-	1	-	1	
эроке поте	36H	1	1	✓	1	✓	1	
	Others	-	-	-	-	-	-	
	182	-	-	-	-	-	-	
	184	-	-	-	-	-	-	
Axle length (mm)	187	1	1	✓	1	✓	1	
	193	-	-	-	-	-	-	
	Others	-	-	-	-	-	-	
Flange dist	ance (mm)	57.3	57.3	58.3	57.3	58.3	57.3	
Flange diar	meter (mm)	104.3	104.3	105.2	105.2	105.2	105.2	
Flange width (mm)	Right	3.2	3.2	3.2	3.2	3.2	3.2	
- range width (mill)	Left	3.2	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 /	right (mm)	92.6	92.6	92.6	92.6	92.6	92.6	
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
nub sneli	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted	
Average v	veight (g)	1665	1670	1685	1680	1670	1670	
No	ote							

LIFESTYLE Comfort

Motor Unit

Sei	ries	SHIMANO	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	ole speed	11/8/5-speed	11/8/5-speed	11/8/5-speed
Maste	er unit	-		-
Firmware update I	y E-TUBE PROJECT	✓	✓	✓
SD50 pc	ort (pcs)	0	0	1
SD300 p	ort (pcs)	1 *	1	0
SD50 conn	ector (pcs)	0	0	0
SD300 con	nector (pcs)	0	0	0
Charging	port (pcs)	0	0	0
No	ote	* Compatible with EW-PS300	-	-

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		Page	
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	Disc Brake Rotor Adapter	259	RTAD
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	Pedal (SPD)	270	PD
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	Pedal (Flat Pedal)	274	PD
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Chain

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
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	✓	✓	✓	✓	-	-
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	✓	✓	✓	✓	✓	✓
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			



Chain QUICK-LINK

Series	SHIMANO	SHIMANO
Model no.	SM-CN910-12	SM-CN900-11
E-BIKE rear derailleur system compatible	1	1
Compatible chain	HG 12-speed	LINKGLIDE, HG 11-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

GENERAL

CN

SMCN

RT

ВН

RTAD

ОТ

SMCB SMCA

RIVI

DH

LP

SMAX

PD

PD

PD PD

EVV

EWC

GM

WU

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BM

SMBT

SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Disc Brake Rotor

Sei	ies		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	Model no.		RT-CL900	RT-CL800	RT-MT900	RT-MT905	RT-MT800	SM-RT900
CENTE	R LOCK		1	1	1	-	1	✓
6-bolt (P.C.	D. 44 mm)		-	-	-	1	-	-
ICE TECHI	OLOGIES		1	1	1	1	1	1
ICE TECHNOL	OGIES FREE	ZA	1	1	1	1	1	✓
ICE TECHNOLOGIE dissipati	S FREEZA won paint	v/ heat	1	-	1	1	-	1
	22	20	-	-	-	-	-	-
	20	03	✓	1	1	1	1	-
Outside diameter (mm)	18	80	✓	✓	1	✓	✓	-
()	16	50	✓	1	1	-	1	✓
	14	40	✓	✓	✓	-	✓	✓
Adapter	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Auapter	Fin	ish	Painted	Painted	Painted	Painted	Painted	Anodized
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+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel
	Fin	ish	Polished	Polished	Polished	Polished	Polished	Polished
Pad material	Pad material Metal		✓	1	1	1	1	✓
Pad material compatibility	Re	sin	1	1	1	1	1	✓
Pad lining shape	Nar	row	✓	✓	1	✓	✓	✓
compatibility	Wi	ide	-	-	-	-	-	-
	Internal	Material	Aluminum	Aluminum	Aluminum	-	Aluminum	Aluminum
	type	Finish	Anodized	Anodized	Anodized	-	Anodized	Anodized
	External	Material	Aluminum	Aluminum	Aluminum	-	Aluminum	-
	type	Finish	Anodized	Anodized	Anodized	-	Anodized	-
Lock ring	Internal/ external	Material	-	-	-	-	-	-
Lock mily	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)	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)	99 (140 mm), 117 (160 mm)	
No	ote					With anti loosen tightening plate		

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	Model no.		SM-RT800	SM-RT86	SM-RT70	SM-RT76	SM-RT66	SM-RT64
CENTE	R LOCK		1	-	1	-	-	✓
6-bolt (P.C	.D. 44 mm)		-	1	-	1	✓	-
	NOLOGIES		1	1	1	-	-	-
ICE TECHNOL	OGIES FREE	ZA	1	-	-	-	-	-
ICE TECHNOLOGI dissipat	ES FREEZA v	v/ heat	-	-	-	-	-	-
•	2	20	-	-	-	-	1	✓
	20	03	-	✓	✓	✓	✓	✓
Outside diameter (mm)	18	80	-	1	1	1	1	✓
()	10	60	✓	1	1	1	1	✓
	14	40	✓	-	1	-	-	✓
A .l 4	Mat	erial	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum
Adapter	Fin	ish	Painted	Painted	Painted	Painted	-	Painted
Rotor	Material		Stainless steel+Aluminum+St ainless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel+Aluminum+Sta inless steel	Stainless steel	Stainless steel	Stainless steel
	Fin	ish	Polished	Polished	Polished	Polished	Polished	Polished
Pad material	Metal		1	1	1	1	1	1
compatibility	Re	sin	1	1	1	1	✓	✓
Pad lining shape	Nar	row	1	1	1	1	1	1
Pad lining shape compatibility	W	ide	-	-	-	-	-	-
	Internal	Material	Aluminum	-	Steel	-	-	Steel
	type	Finish	Anodized	-	Plated	-	-	Plated
	External	Material	-	-	Steel	-	-	Steel
	type	Finish	-	-	Plated	-	-	Plated
Lock ring	Internal/	Material	-	-	-	-	-	-
LOCK ring	external type	Finish	-	-	-	-	-	-
	Internal type with	Material	-	-	Aluminum (203 mm only)	-	-	Aluminum
	magnet for EW- SS302	Finish	-	-	Anodized (203 mm only)	-	-	Anodized
Average weight (g) (w/o lock ring)		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)	-	-	
N-	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	el no.		SM-RT56	SM-RT54	SM-RT30	SM-RT26	SM-RT10	SM-RTC60
CENTE	CENTER LOCK		-	1	1	-	✓	-
6-bolt (P.C	.D. 44 mm)		✓	-	-	1	-	-
ICE TECH	NOLOGIES		-	-	-	-	-	-
ICE TECHNOL	OGIES FREE	ZA	-	-	-	-	-	-
ICE TECHNOLOGII dissipat	S FREEZA v	v/ heat	-	-	-	-	-	-
	2		-	-	-	-	-	-
	20		-	-	1	-	-	-
Outside diameter (mm)		80	✓	✓	1	1	✓	-
` ′		60	1	√	1	1	✓	1
		40	-	-	-	-	-	-
Adapter	Mat		-	Aluminum	Stainless steel	-	Steel	Steel
Adapter		ish	-	Painted	Painted	-	Painted	Painted
Rotor	Mat		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Notor	Fin	-	Polished	Polished	Polished	Polished	Polished	Polished
Pad material compatibility		etal	-	-	-	-	-	✓
compatibility		sin	✓	✓	✓	✓	✓	1
Pad lining shape compatibility		row	✓	✓	✓	√	✓	✓
compatībilitý	W	ide	✓	✓	1	✓	✓	-
	Internal	Material	-	Steel	-	-	-	-
	type	Finish	-	Plated	-	-	-	-
	External	Material	-	Steel	-	-	-	-
	type	Finish	-	Plated	-	-	-	-
Lock ring	Internal/ external	Material	-	-	Steel	-	Steel	-
	type	Finish	-	-	Painted	-	Painted	-
	Internal	Material	-	-	Aluminum	-	-	-
	type with magnet for EW- SS302	Finish	-	-	Anodized	-	-	-
Average weight	(g) (w/o loc	k ring)	-	-	-	-	-	-
Note		With anti loosen tightening plate	·		With anti loosen tightening plate		Disc brake rotor is fixed by 5 bolts with 74 mm P.C.D.	

CN

SMCN

RT

ВН

RTAD

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SMCB SMCA

JIVICA

RM

DH LP

SMAX

PD

PD

PD PD

EVV

EWC

GM

WU

ВТ

BM

SMBT

SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Disc Brake Hose

Se	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	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	-	-	-	-	-	-
Hana inima	Brake lever	Straight	Straight	Straight	Straight	Straight	Straight
Hose joint	Brake caliper	Straight	Banjo	Banjo	Banjo	Banjo	Straight
Rigi	idity	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	el no.	SM-BH59-JK-SS	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	Material	Steel	Steel	Steel
N	ote			

Disc Brake Rotor Adapter

Sai	ries	SHIMANO		
	Model no.			
	1	SM-RTAD05		
Color	2	_		
(5.5)	3			
	Туре	External serration		
Lock ring	Material	Steel		
Diss brake rete	mount method	Hexalobular bolts		
Disc brake rotor	I	nexalobular boits		
	SM-RT86	-		
Comment to the state of the state of	SM-RT76	-		
Compatibility (disc brake rotor)	SM-RT66	1		
	SM-RT56	1		
	SM-RT26	1		
	Front 20 mm thru	1		
	Front 15 mm E- THRU	1		
	Front 9 mm quick release	1		
Compatibility (axle)	Rear 12 mm E-THRU	1		
	Rear 12 mm thru	1		
	Rear 10 mm thru	1		
	Rear 10 mm quick release	1		
No	Use this disc brake rotor adapter to attach the 6-bolt mount type disc brake rotor to CENTER LOCK mount type hub. Cannot be used with the 6-bolt disc brake rotor that is installed with an aluminum adapter (SM-RT86/RT76).			

Outer Casing

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

CN

SMCN

RT

RTAD

от

SMCB SMCA

RM

DH

LP

SMAX

PD

PD

EVV

FIAC

GM

WU

IC

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
Po du	Material	Aluminum	Aluminum	Aluminum	Resin
Body	Finish	Anodized	Anodized	Anodized	-
Quick release lever	Material	Stainless steel	-	-	-
Quick release lever	Finish	-	-	-	-
No	ote				

POWER MODULATOR

Se	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.	✓	✓
Available lead pipe angle	135 deg.	1	1
	V-BRAKE	√ **	√ **
Compatible brake	Mechanical disc brake (MTB)	-	-
	Mechanical disc brake (Road)	-	-
	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	✓	1
	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	l no.	DH-UR708-3D	DH-UR705-3D	DH-UR700-3D	DH-T4050-1D	DH-T4000-1N	DH-F703-S
I	StVZO	1	1	1	1	1	1
	TPGBi	-	-	-	-	-	-
Regulation	JIS	-	-	-	-	-	-
	Others	ISO	-	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Black	Silver	Silver
ŀ	1 Quick release	-	-	Silver	Black	-	Black
Color	2 Hub shell	Black	Black	Black	-	Black	-
ŀ	2 Quick release	-	-	Black	-	-	Black
Brake		Disc brake	Disc brake	Disc brake	Disc brake	Regular	Regular
CENTER LOCK		✓	✓	✓	✓ ✓	- regular	-
Voltag		6	6	6	6	6	6
Outpu		3	3	3	1.5	1.5	3
- J	26-28 inch		<i>3</i>		-	1.5	-
-			-	-			
	20-28 inch	-	-	-	-	-	-
ļ	18-28 inch	-	-	-	1	1	-
Wheel size	16-28 inch	-	-	-	-	-	-
AALIGG! 217G	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
ļ	16-20 inch	-	-	-	-	-	✓
	Compatible wheel size (mm)	(646-716)	(646-716)	(646-716)	(448 - 716)	(448 - 716)	(400 - 536)
Axle fixing		15 mm E-THRU	12 mm E-THRU *	Quick release	Quick release	Quick release	Quick release
Quick rele		-	-	✓	Quick release ✓	Quick release ✓	Quick release ✓
Nut 1	,·	-	-	-	-	-	-
E-THRU	<i>-</i>	√ *	√ *	<u> </u>	-	-	<u> </u>
	129	√ ^	-	-	-	-	-
Quick release skewer length (mm)							
	133	-	-	· · · · · · · · · · · · · · · · · · ·	1	1	√
Thru axle (length x inner diameter ; mm)	100 x 12	-	1	-	-	-	-
	100 x 15	√	-	-	-	-	-
O.L.D.	`	100	100	100	100	100	74
Flange dist		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
Spoke		#14	#14	#14	#14	#14	#14
	24H	-	-	-	-	-	✓
Spoke hole	28H	-	-	-	-	-	✓
5,500.011010	32H	✓	1	✓	1	1	-
	36H	✓	1	✓	1	1	-
Se		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch high	-	-	-	-	-	-
Roller brake modulator grade							
modulator grade	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	J1 type	-	-	-	-	-	-
Electric power output connector	J2 type	-	-	-	-	-	-
output connector	E2 type	✓	✓	✓	1	✓	✓
	Others	=	-	-	-	-	-
Hub chall	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted
A	Material	-	-	Aluminum	Steel	Steel	Steel
Axle	Finish	-	-	Chromated	Zinc plated	Zinc plated	Zinc plated
	Material	-	-	Aluminum	Aluminum	Aluminum	Aluminum
Quick release lever	Finish	-	-	Anodized	E-coated	E-coated	Anodized
Ouick rolosso	Material	-	-	Aluminum	Steel	Steel	Aluminum
Quick release housing	Finish	-	-	Anodized	E-coated	E-coated	Anodized
	Material	-	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
Quick release nut	Finish		-	-	-	-	-
l Average v		459 (w/o QR)	450	476 (w/o QR)	565	580	590
Average v		733 (W/O QN)	Recommended E- THRU axle: SM- AX720	470 (W/O QN)	* For LED light use only	* For LED light use only	350

CN

SMCN

RT

ВН

RTAD OT

SMCB SMCA

RM

DH

LP

SMAX

PD

PD PD

PD

EVV

EVA/C

GM

WU

JC

ВТ

BM

SMBT

SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

EWPS

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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
	TPGBi	1	1	1	1	1	-
Regulation	JIS	-	-	-	-	-	-
	Others	-	-	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Clear	Clear	Silver
	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	✓	1	1	-	-	-
Volta	ge (V)	6	6	6	6	6	6
Outpu	ıt (W)	3	3	3	3	3	3
	26-28 inch	✓	-	-	-	-	✓
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
NAME 1	16-28 inch	-	✓	1	✓	1	-
Wheel size	24-28 inch	-	-	-	-	-	-
	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		√	√	-	✓ ✓	-	√
Nut	• • • • • • • • • • • • • • • • • • • •	-	-	1	-	1	-
E-THRI	••	-	-	-	-	-	-
	129	-	-	-	-	-	-
Quick release skewer length (mm)	133	1	1	-	1	-	1
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	gth (mm)	108	108	108	108	140	108
Spok	e size	#14	#14	#14	#14	#14	#14
	24H	-	-	-	-	-	-
Spoke hole	28H	-	-	-	-	-	-
Spoke Hole	32H	✓	✓	1	✓	1	1
	36H	1	✓	1	✓	1	1
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	-	-	-	-	-	-
Electric power	J2 type	-	-	-	-	-	-
Electric power output connector	E2 type	✓	1	1	1	1	✓
	Others	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized+Painted/ Anodized	Painted	Painted	Painted	Painted	Anodized+Painted
Avia	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	Zinc plated	Zinc plated	Phosphate coated	Zinc plated	Phosphate coated	Zinc plated
Quick release lever	Material	Aluminum	Steel	-	Steel	-	Aluminum
Quick release lever	Finish	Anodized	Nickel plated	-	Nickel plated	-	Anodized
Quick release housing	Material	Aluminum	Steel	-	Steel	-	Aluminum
housing	Finish	Anodized	Nickel plated	-	Nickel plated	-	Anodized
Quick release nut	Material	Steel+Resin	Steel+Resin	-	Steel+Resin	-	Steel+Resin
Quick release liut	Finish	-	-	-	-	-	-
Average v		559	650	680	685	705	560
No	te						



Ser	ies	ALFINE	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS
Mode	l no.	DH-S501	DH-C6000-3R-NT	DH-C6000-2R	DH-C6000-1R	DH-C3000-3N-QR	DH-C3000-3N-NT
	StVZO	1	1	-	1	1	1
Blasta	TPGBi	-	1	-	-	1	1
Regulation	JIS	-	-	-	-	-	-
Wheel size Wheel size Axle fixing m Quick release Nut typ E-THRU ty Quick release Nut typ E-THRU ty Axle fixing m OLLD. (m Flange distance Offset (m P.C.D. left / rigl Axle length Spoke siz Spoke hole Seal Roller brake modulator grade Electric power output connector Hub shell	Others	-	-	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Silver	Silver	Silver
Calan	1 Quick release	Silver	Black	-	-	-	-
Color	2 Hub shell	Piano black	-	Black	Black	Black	Black
	2 Quick release	Silver	-	-	-	-	-
Brake	type	Disc brake	Hub roller brake	Hub roller brake	Hub roller brake	Regular	Regular
CENTER LOCK	mount type	✓	-	-	-	-	-
Voltag	je (V)	6	6	6	6	6	6
Outpu	t (W)	3	3	2.4	1.5	3.0	3.0
	26-28 inch	1	1	1	1	-	-
	20-28 inch	-	-	-	-	-	-
	18-28 inch	-	-	-	-	-	-
	16-28 inch	-	-	-	-	✓	✓
Wheel size	24-28 inch	-	-	-	-	-	-
	20-24 inch	-	-	-	-	-	-
	16-20 inch	-	-	-	-	-	-
	Compatible wheel size (mm)	(646-716)	(646-716)	(646-716)	(646-716)	(400 - 716)	(400 - 716)
Avia fivin			Nut	Nut	Nut	, ,	Nut
		Quick release	Nut -	Nut -	- Nut	Quick release	- Nut
		-	-	-	-	-	-
			-	-	-	_	-
		-	-	-		-	
Quick release skewer length (mm)	129 133		-	-	-	-	-
		· · · · · · · · · · · · · · · · · · ·	-	-	-	-	
l inner diameter : H	100 x 12	-	-				-
	100 x 15	100	100	100	100	100	100
		52.1	58.1	58.1	58.1	60.0	60.0
				4.7	4.7	0.6	1.0
		3.8 70	4.7 76	76	76	74	74
		108	140	140	140	108	140
		#14	#14	#14	#14	#14	#14
эроке	24H		-	-	-	-	-
-	28H	-	_	-	-	_	-
Spoke hole				1	1	-	1
-	32H		1	-	-	-	-
	36H	Construction	Simple Contact	Simple content	Simple and and	Simple contest	Simple contest
Se		Single contact	Single Contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch high	-	1	1	/	-	-
конег brake modulator grade	More than 26 inch standard	-	✓	✓	✓	-	-
	20-24 inch	-	-	-	-	-	-
	J1 type	-	-	-	-	-	-
Flectric nower	J2 type	-	-	-	-	-	-
output connector	E2 type	1	1	1	1	1	1
	Others	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Anodized	Painted	Painted	Painted	Painted	Painted
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	Zinc plated	Phosphate coated	Phosphate coated	Phosphate coated	Phosphate coated	Phosphate coated
	Material	Aluminum	-	-	-	Steel	-
Quick release lever	Finish	Anodized	-	-	-	Nickel plated	-
Quick release	Material	Aluminum	-	-	-	Steel	-
Quick release housing	Finish	Anodized	-	-	-	Nickel plated	-
	Material	Steel+Resin	-	-	-	Steel+Resin	-
Quick release nut	Finish	-	-	-	-	-	-
Average v		564	960	960	960	700	712
No					* For LED light use		
INO					only		

CN

SMCN

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SMCB SMCA

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BCC

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SMCB SMCA

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EWEX

EWPS

263

Ser	ies	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	-	-	-
	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
ì	2 Quick release	-	-	-	-	-	Black
Brake		Regular	Regular	Regular	Regular	Regular	Regular
CENTER LOCK	• •	- Regulai	-	- Regulai	- Regulai	- Regulai	-
		6	6	6	6	6	6
Voltag			2.4				· ·
Outpu 	26-28 inch	2.4		1.5	0.9	0.9	0.9
					-		
	20-28 inch	-	-	1	-	-	-
	18-28 inch	-	-	-	-	-	-
VA/haalaina	16-28 inch	✓	1	-	-	-	-
Wheel size	24-28 inch	-	-	-	1	-	✓
	20-24 inch	-	-	-	-	✓	-
[16-20 inch	-	-	-	-	-	-
	Compatible wheel size (mm)	(400 - 716)	(400 - 716)	(448 - 716)	_	_	_
Axle fixin		Quick release	Nut	Nut	Nut	Nut	Quick release
			Nut	Nut	Nut	- Nut	Quick release ✓
Quick rele		/					7
Nut	• •	-	1	1	1	1	-
E-THRI		-	-	-	-	-	-
Quick release skewer length (mm)	129	✓	-	-	-	-	✓
	133	1	-	-	-	-	✓
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	-	-	-
mm)	100 x 15	-	-	-	-	-	-
O.L.D.	(mm)	100	100	100	93	93	100
Flange dist	ance (mm)	60.0	60.0	56.0	58	58	58
Offset	(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
Spoke	e size	#14	#14	#14	#13/#14	#13/#14	#13/#14
	24H	-	-	-	-	-	-
	28H	-	-	-	-	1	-
Spoke hole	32H	1	1	1	_	_	1
	36H	7	1	1	1	_	1
l Se		Single contact	Single contact	Single contact	Single contact	Single contact	Single contact
		Single contact	•	Jingle Contact		Jingle Contact	
	More than 26 inch high	-	-	-	-	-	-
Roller brake modulator grade	More than 26 inch standard	-	-	-	-	-	-
	20-24 inch	-	_	_	-	_	_
		-	-	-	-	-	-
}	J1 type						
Electric power output connector	J2 type	-	-	-	-	-	-
	E2 type	1	1	1	- (12.4)	- (12.4)	- (12.4)
	Others	-	-	-	√ (J2-A)	√ (J2-A)	√ (J2-A)
ļ	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub shell	Finish	Painted	Painted	Painted	Painted (black)/Passivation (silver)	Painted (black)/Passivation (silver)	Painted (black)/Passivation (silver)
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle	Finish	Phosphate coated	Phosphate coated	Phosphate coated	Plated	Plated	Phosphate coated
	Material	Steel	-	-	-	-	Steel
Quick release lever	Finish	Nickel plated	-	-	-	-	Plated
Outstan 1	Material	Steel	-	_	_	_	Steel
Quick release housing	Finish	Nickel plated	-		-		Plated
,		·	-	-	-	-	
	Material	Steel+Resin -	-	-	-	-	Steel+Resin -
Quick release nut				-	-	-	· -
•	Finish				464	464	47.4
Quick release nut Average v		700	705	600 * For LED light use	491 * Specification for	491 * Specification for	474 * Specification for

Hub Dynamo

Ser	ries	NEXUS	NEXUS	NEXUS	SHIMANO	SHIMANO
Mode	el no.	DH-C2100-N-QRC	DH-2N40-J	DH-2N40-JC	DH-2N40-JW	DH-2N40-JWC
	StVZO	-	-	-	-	-
Da mulatian	TPGBi	-	-	-	-	-
Regulation	JIS	-	1	1	1	1
	Others	VIA	-	-	-	-
	1 Hub shell	Silver	Silver	Silver	Silver	Silver
Color	1 Quick release	Silver	-	-	-	-
Color	2 Hub shell	Black	Black	Black	Black	Black
	2 Quick release	Silver	-	-	-	-
Brake		Regular	Regular	Regular	Regular	Regular
CENTER LOCK		-	-	-	-	-
Volta		6	6	6	6	6
Outpo	ut (W)	0.9	2.4	2.4	2.4	2.4
	26-28 inch	-	-	-	-	-
	20-28 inch	-	-	-	-	-
	18-28 inch					
Wheel size	16-28 inch 24-28 inch	- -	-	-	-	<u>-</u>
	24-28 Inch 20-24 inch	-	-	-	-	-
	16-20 inch	-	-	-	-	-
	Compatible wheel					
	size (mm)	-	-	-	-	-
Axle fixin	•	Quick release	Nut	Nut	Nut	Nut
Quick rel		1	-	-	-	-
Nut		-	1	√	1	✓
E-THR	U type	-	-	-	-	-
Quick release skewer length (mm)	129	✓	-	-	-	-
	133	1	-	-	-	-
Thru axle (length x inner diameter ;	100 x 12	-	-	-	-	=
mm)	100 x 15	-	-	-	-	-
O.L.D.		100	93	93	100	100
Flange dist		58 0.5	60	60	60	60 3
Offset P.C.D. left /		60	69	69	69	69
Axle leng	•	108	150/155	150	140	140
	e size	#13/#14	#13/#14	#14	#14	#14
эрок	24H	-	-	-	-	-
	28H	-	_	1	_	-
Spoke hole	32H	1	-	-	-	-
	36H	1	1	_	1	1
Se		Single contact	Single contact	Single contact	Single contact	Single contact
	More than 26 inch		-	_	-	
Roller brake modulator grade	high More than 26 inch					
modulator grade	More than 26 inch standard	-	-	-	-	-
	20-24 inch	-	-	-	-	-
	J1 type	-	-	-	-	-
Electric power	J2 type	-	1	1	1	✓
output connector	E2 type	- (12.4)	-	-	-	-
	Others	√ (J2-A)	- Al	- Al		
	Material	Aluminum	Aluminum+Steel	Aluminum+Steel	Aluminum+Steel	Aluminum+Steel
Hub shell	Finish	Painted (black)/Passivation (silver)	Painted/Passivation	Painted/Passivation	Painted/Passivation	Painted/Passivation
Axle	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Phosphate coated	Zinc plated	Zinc plated	Zinc plated	Zinc plated
Quick release lever	Material	Steel	-	-	-	-
	Finish	Plated	-	-	-	-
Quick release housing	Material	Steel	-	-	-	-
nousing	Finish	Plated	-	-	-	-
Quick release nut	Material	Steel+Resin	-	-	-	-
A	Finish	- 474	-	-	-	-
Average v		* Specification for	630 * Specification for	* Specification for	630 * Specification for	630 * Specification for
No	ote	Japan market	A Specification for Japan market	Japan market	Japan market	Japan market

CN

SMCN

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SMCB SMCA

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SMBT

SMBC

BCC

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Light

Ser	ies	NEXUS	NEXUS	NEXUS	NEXUS	NEXUS	SHIMANO
Mode	el 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	-	-	-	-	-	-
Type of light	Front	✓	✓	✓	1	✓	✓
type of light	Tail (rear)	-	-	-	-	-	-
Hub dynar	no output	0.9 W					
Main	light	High power LED					
Brightness (at 5 m dis	tance, JIS standard =	40 lx					
Lighting	pattern	Wide	Wide	Wide	Wide	Wide	Wide
Sub I	ight	-	-	-	-	-	-
Stand light (LED f	lashing) function	-	-	-	-	-	-
Reflector in	ntegration	1	1	1	1	-	-
	Tab-on type	-	-	-	-	-	-
Electric power input	Connector type	J2-A	J2-A	J2-A	J2-A	J2-A	J2-A
Light body	y 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	-	-
	Below basket	✓	-	✓	-	✓	-
	Fork center	-	-	-	-	-	✓
Attachment position	Handle bar	-	-	-	-	-	-
	On mud guard	-	-	-	-	-	-
	Mud guard style stay	-	-	-	-	-	-
İ	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)	-	-	-	-	-	-
Switch	Manual (off)	-	-	-	-	-	-
	Permanent	✓	1	1	1	1	1
Electric wire color	Black	-	-	-	-	-	1
	Gray	✓	✓	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 fo Japan market



Light

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	✓	-
	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 dis	stance, JIS standard =	40 lx	40 lx	80 lx	80 lx	-
Lighting	•	Wide	Normal	Normal	Normal	-
Sub	light	-	-	-	-	-
Stand light (LED 1	lashing) function	-	1	-	-	✓ (if used with LP-
Reflector i		_	1	_	1	X103)
Kellectori		-	-		1	-
Electric power input	Tab-on type			1	•	
	Connector type	J2-A	J2-A	✓	√	√
Light bod		Resin	Resin	Resin	Resin	Resin
	1	Silver/Black	CP	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	✓	-
	Below basket	-	-	-	-	-
	Fork center	-	-	-	-	-
Attachment position	Handle bar	✓	-	-	-	-
	On mud guard	-	-	-	-	√ *
	Mud guard style stay	-	-	-	-	-
	Seat stay	-	-	-	-	-
	13	-	-	-	-	-
Compatible seat stay diameter (mm)	16	-	-	-	-	-
stay diameter (iiiii)	19	-	_	-	-	-
	22.2	1	-	-	-	-
Compatible handle bar diameter (mm)	25.4	1	_	_	_	_
bar diameter (mm)	31.8	,	_	_	_	_
	Auto	-	_	1	√	-
	Manual (on)	-	-	1	1	-
Switch						
	Manual (off) Permanent	-	-	-	-	- /
Electric wire color	Black	√	-	1	1	1
	Gray	-	1	-	-	1
Electric wire length (mm)	Tab-on type	-	-	400	410	- Available
	Connector type	800	405	120	160	Available
EZ cable		/	-	-	-	-
Cord lengt		-	-	-	-	-
Compatible	wheel 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)

CN

SMCN

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BCC

EWEC

SMPCE

SMCB SMCA

SMCC

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267

E-THRU Axle (AX)

Ser	ries	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	✓	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
Thru axle (length x inner diameter ; mm)	142 x 12	-	1	1	-	-	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	1	1	1
	Thread pitch	M12 x 1.5					
	Length (mm)	121	163	166	172	181	166
Axle	Hollow axle	✓	1	1	✓	✓	✓
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Black anodized	Silver anodized				
Laver	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Lever	Finish	Black anodized	Painted (black)				
Housing	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
nousing	Finish	Black anodized	Painted (black)				
Fixing nut	Material	-	-	-	-	-	-
rixing nut	Finish	-	-	-	-	-	-
Average v	veight (g)	65	74	75	76	79	79
No	ote						

Ser	ies	SHIMANO	SHIMANO	SAINT	SHIMANO	SHIMANO	SHIMANO
Mode	l 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	-	-	-	✓	-	✓
,	148 x 12	1	-	-	-	1	-
	150 x 12	-	-	1	-	-	-
	157 x 12	-	✓	-	-	-	-
Lover position	Tool-less type	-	-	-	✓	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	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)
Havring	Material	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
Housing	Finish	Painted (black)	Painted (black)	-	Black anodized	Black anodized	Black anodized
Fixing nut	Material	-	-	Steel	-	-	-
rixing 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	ries	SHIMANO	SHIMANO	SHIMANO
Mode	el 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	-	-	-
Lover position	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	✓	✓	✓
	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
Fixing nut	Finish	-	Black anodized	Black anodized
Average v	veight (g)	82	75	77
No	ote			

CN

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SMBC

ВСС

EWEC

SMPCE

SMCB SMCA

SMCC

EWEX

Pedal (SPD)

Se	ries	XTR	XTR	DEORE XT	GRX	DEORE XT	SHIMANO
Mod	el no.	PD-M9100	PD-M9120	PD-M8100	PD-M8100-UG	PD-M8120	PD-M540
	1	Black	Black	Series color	Black	Series color	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	✓
Sealed m	echanism	1	1	1	1	✓	✓
Cleat retent	ion adjuster	1	1	✓	1	1	✓
Pop-u	p cage	-	-	-	-	-	-
Integra	Integrated cage		1	-	-	1	-
Offset	Offset binding		-	-	-	-	-
Oval shape axle body housing		-	-	-	-	-	-
	SM-SH51	1	1	1	1	1	1
Cleat included	SM-SH56	-	-	-	-	-	-
	SM-SH51	-	-	-	-	-	-
Optional cleat	SM-SH56	1	1	✓	1	1	1
Refl	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	Average weight (g)		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	



Pedal (SPD)

Ser	ies	SHIMANO	SHIMANO	SAINT	DXR	SHIMANO	SHIMANO
Mode	Model no.		PD-M505	PD-M821	PD-MX70	PD-M647	PD-M324
	1	Silver	Silver	Black	Black	Black	Silver
Color	2	Black	Black	-	-	-	-
	3	White	-	-	-	-	-
Ту	ре	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	✓	✓	-
Sealed m	echanism	1	1	1	✓	1	1
Cleat retent	ion adjuster	✓	1	1	✓	✓	1
Pop-uj	o cage	-	-	-	-	1	-
Integrat	ed cage	-	-	1	✓	-	-
Offset binding		-	-	-	-	-	-
Oval shape axle	Oval shape axle body housing		-	-	-	-	-
Cleat included	SM-SH51	✓	1	1	✓	✓	-
Cleat included	SM-SH56	-	-	-	-	-	1
Outional 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	Pedal center (mm)		55	55	55	-	55
Average v	Average weight (g)		443 (/pair)	546 (/pair) (w/o pins & washers)	414 (/pair)	568 (/pair)	533 (/pair)
Note				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
Bine	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	ge axle	✓	✓	1	1	1
Sealed m	echanism	1	✓	1	1	1
Cleat retent	ion adjuster	✓	✓	1	1	1
Pop-u	Pop-up cage		-	-	-	-
Integrated cage		✓	-	-	-	1
Offset	Offset binding		-	-	-	-
Oval shape axl	e body housing	-	-	-	-	-
Cleat included	SM-SH51	1	=	✓	-	-
Cleat included	SM-SH56	-	✓	-	✓	1
Ontinual alast	SM-SH51	-	1	-	1	1
Optional cleat	SM-SH56	✓	-	1	-	-
Refl	ector	SM-PD60	Integrated	SM-PD62	SM-PD68	SM-PD60
Dadal bada	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Pedal body	Finish	Painted	Anodized	Painted	Painted	Painted (Dark Gray)
Cage	Material	-	-	-	-	-
Stack hei	ght (mm)	16.7	17.0	17.2	17.4	17.5
Pedal cer	nter (mm)	55	55	55	55	55
Average	weight (g)	540 (/pair)	392 (/pair)	279 (/pair)	383 (/pair)	442 (/pair)
No	ote	1.0 mm cleat spacer included		1.0 mm cleat spacer included	Light action	Light action

Pedal (CLICK'R)

		-	
Sei	SHIMANO		
Mode	el no.	PD-T421	
	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	Integrated cage		
Offset	binding	-	
Oval shape axl	e body housing	-	
Cleat included	SM-SH51	-	
Cleat included	SM-SH56	1	
	SM-SH51	1	
Optional cleat	SM-SH56	-	
Refle	ector	Integrated	
	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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Pedal (Flat Pedal)

Sei	ries	SAINT	DEORE XT	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el 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
Calan	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 axlo	e material	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartrid	ge axle	✓	✓	✓	-	-	-
Sealed m	Sealed mechanism		✓	1	✓	✓	✓
Cleat retent	Cleat retention adjuster		-	-	-	-	-
Pop-u	Pop-up cage		-	-	-	-	-
Integrat	Integrated cage		-	-	-	-	-
Offset	binding	-	-	-	-	-	-
Oval shape axl	e body housing	-	-	-	-	-	-
Cleat ir	ıcluded	-	-	-	-	-	-
Option	al cleat	-	-	-	-	-	-
Refle	ector	SM-PD64A	SM-PD67	SM-PD64A	SM-PD70	SM-PD69	SM-PD69
Pedal body	Material	Aluminum	Aluminum	Aluminum	Resin	Aluminum	Aluminum
r edar body	Finish	Anodized	Painted	Painted	-	Painted	Painted
Cage	Material	-	-	-	-	-	-
Wide p	Wide platform		-	-	-	-	-
Stack hei	ght (mm)	8.2	9.1	9.4	8	10.8	10.8
Average v	veight (g)	553 (/pair)	461 (/pair) (SM) 505 (/pair) (ML)	533 (/pair)	400 (/pair)	512 (/pair)	612 (/pair)
No	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		
Mode	Model no.		
	1	Black	
	2	-	
Color	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	-	
Cleat in	ncluded	-	
Option	al cleat	-	
Refle	ector	Integrated	
Badal bada	Material	Resin	
Pedal 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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Pedal (SPD-SL)

Sei	ries	DURA-ACE	ULTEGRA	SHIMANO 105	SHIMANO	SHIMANO
Mode	Model no.		PD-R8000	PD-R7000	PD-R550	PD-RS500
	1	CFRP	CFRP	CFRP	Black	Black
Color	2	-	-	-	Gray	-
	3	-	-	-	-	-
Ту	pe	SPD-SL	SPD-SL	SPD-SL	SPD-SL	SPD-SL
Bino	ding	Single sided	Single sided	Single sided	Single sided	Single sided
Pedal axlo	e material	Nickel chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel	Chromoly steel
Cartrid	ge axle	-	✓	✓	✓	✓
Sealed m	echanism	1	1	1	1	1
Cleat retent	ion adjuster	✓	1	1	1	1
Cleat included	SM-SH11	-	1	1	1	1
Cleat included	SM-SH12	✓	-	-	-	-
	SM-SH10	1	1	1	1	1
Optional cleat	SM-SH11	✓	-	-	-	-
	SM-SH12	-	1	1	1	1
Refle	ector	SM-PD63	SM-PD63	SM-PD65	SM-PD65	SM-PD65
Pedal body	Material	Carbon	Carbon	Carbon	Resin	Resin
redai body	Finish	-	-	-	Painted	Painted
Body cove	er material	Special stainless	Special stainless	Stainless steel	Stainless steel	Stainless steel
Wide p	latform	✓	✓	✓	1	-
Stack hei	ght (mm)	14.6	15.8	16.5	16.5	16.5
Pedal cer	Pedal center (mm)		53	53	53	53
Road clear	ance (deg.)	35	33	31	32	30
Average v	weight (g)	228 (/pair)	248 (/pair)	265 (/pair)	310 (/pair)	320 (/pair)
No	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

Series		SHIMANO	SHIMANO	
Mode	el no.	SM-EWC2	EW-CC300	
Specif	ication	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	ote			

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

Sei	SHIMANO		
Mode	el no.	EW-WU111	
Wireless	s system	ANT private *, Bluetooth®LE	
Maste	er unit	-	
Firmware update b	y E-TUBE PROJECT	1	
SD50 po	ort (pcs)	2	
SD300 p	ort (pcs)	0	
SD50 conn	ector (pcs)	0	
SD300 coni	SD300 connector (pcs)		
Compatib	Compatible system		
	Gear position	1	
	Di2 Battery level	1	
Function **	Adjust mode display	1	
	Suspension mode	1	
	Shift mode		
No	Note		

Junction [A]

Se	ries	SHIMANO	SHIMANO	SHIMANO
Mod	el no.	EW-RS910	SM-EW90-A	SM-EW90-B
Ту	pe	Built-in type	External type	External type
Pos	ition	In side of frame or handle	Under stem	Under stem
Wireles	s system	-	-	-
Compatib	ole system	E-TUBE	E-TUBE	E-TUBE
Compatible	electric wire	EW-SD50	EW-SD50	EW-SD50
Maste	er unit	-	-	-
Firmware update l	by E-TUBE PROJECT	1	1	1
SD50 p	ort (pcs)	2	3	5
SD300 p	SD300 port (pcs)		0	0
SD50 conr	nector (pcs)	0	0	0
SD300 con	nector (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
	Gear position	✓	✓	✓
Function	Di2 Battery level	✓	1	1
Function	Adjust mode display	✓	1	1
	E-TUBE connection		1	1
Average	weight (g)	11	10	13
No	ote			

Junction [B]

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-lon	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	✓	✓
Firmware update by E-TUBE PROJECT	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	~
Firmware update by E-TUBE PROJECT	1	1
SD50 port (pcs)	1	1
SD300 port (pcs)	0	0
SD50 connector (pcs)	0	0
SD300 connector (pcs)	0	0
Note	-	-

Battery Case

Sei	SHIMANO	
Mode	el no.	SM-BTC1
Specification	w/ Junction	√ *
Specification	w/o Junction	✓
Мо	Screw on bottle cage mounting thread	
	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	
No	* 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

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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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)	ort (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 bar diameter		ø22.2	ø31.8	ø35
Color	1	Black	Black	Black
	2	-	-	-
Note				

Cord Clip

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

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	1	1
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 System

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	

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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
Calan	1	Black	Black	Black	Black	Black	Black
Color	3	-	-	-	-	-	-
Battery manag	gement system	First generation/ Second generation	Second generation	Second generation	Second generation	First generation	First generation
	Center on handlebar	-	-	1	-	-	-
Mount position	Right on handlebar Others	-	* /	-	- * √	√	√
Maste	er unit	-	-	-	-	-	-
Wireless	s system	ANT private, Bluetooth®LE	-	-	-	ANT private, Bluetooth®LE	ANT private, Bluetooth®LE
	y E-TUBE PROJECT	1	1	1	1	1	1
	ort (pcs) ort (pcs)	0 4	3	3	0	0	0
SD50 conn	ector (pcs)	0	0	0	0	0	0
Back	nector (pcs) light	7	0 √	0	√	0	√
	e (inch)	1.6	1.6	2.8	1.4	1.6	1.39
	ep etachable	-	-	1	-	-	-
	fixation	1	√	-	1	1	1
	nge button e (w/o switch unit)	7	-	-	7	-	1
	button	-	-	-	-	-	-
System on	battery /off button	-	-	-	- -	-	-
	off button own button	-	-	-	1	-	-
	& auto stop		-	-		-	-
	Clock Assist mode display	<i>J</i>	1	1	-	1	1
	Assist on/off	7	1	1	-	1	1
	Walk mode display Battery charge level	1	1	1	1	1	1
	Light condition	1	1	1	-	-	=
	Current speed Gear position	*	1	1	1	1	1
	Gear position display Start mode	* ✓	1	1	-	-	1
	Automatic shift	* 🗸	1	1	1	-	1
	mode Maximum speed	1	<i>-</i>	1	-	** 🗸	** ✓
	Average speed Trip distance	1	1	1	-	** /	** ✓
Contents of display	Trip time	7	1	7	-	** ✓	** ✓
	Odometer Estimated range	1	1	1	1	1	1
	Range overview	7	-	-	-	-	-
	Assist power indicator	1	✓	1	-	1	-
	Error message Cadence (rpm)	1	1	1	-	1	** /
	Human output power	-	-	-	-	-	-
	Calorie	-	-	-	-	-	-
	Shifting advice Maintenance alert	-	-	-	*** /	-	-
	Bluetooth®LE connection status	1	1	1	-	-	1
	Assist profile			1			
	Trip distance reset Odometer reset	1	-	-	-	-	-
	Setting clear	1	1	1	-	-	-
	Clock adjustment Start mode	-	1	7	***-	-	1
	Shifting advise	-	-	1	-	-	-
	Back light on/off Light on/off	** ✓	1	1	***-	-	-
	Back light brightness	1	1	1	-	1	-
Setting menu	Beep on/off	1	-	1	** ✓	1	1
	Unit (km/mile) Font color	-	-	-		-	<i>J</i>
	Adjusting for shift Adjusting for auto shift timing	* 🗸	1	1	*** -	* 🗸	* 🗸
	shift timing	- * /	-	1	*** -	- * /	* /
	RD protection reset Bluetooth®LE	* ✓	- -	-	-	* 1	* ✓
	Bluetooth®LE pairing Bluetooth®LE/ANT connection status	_	-	_	_	1	_
	Connection status Assist customize	-	-	-	-	-	-
	Assist profile select	1	1	1	-	-	1
	English German	1	1	1	-	1	1
Language	Dutch	1	1	1	-	1	1
	French Spanish	1	1	1	-	1	1
	Italian	1	1	1	-		1
Average v	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

Sai	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	SC-E6100	SC-E5000	SC-E5003	EW-EN100
Color	1 2	Black -	Black -	Black -	Black -
Patton, mana	3	- First gaparation	- First gaparation	- First generation	- First gangration
Battery manag	ement system Center on handlebar	First generation	First generation -	-	First generation -
Mount position	Right on handlebar	-	* 🗸	* 🗸	-
Maste	Others er unit	-	-	-	-
Wireless	s system	ANT private, Bluetooth®LE	-	-	ANT private, Bluetooth®LE
Firmware update b	by E-TUBE PROJECT	✓	1	1	✓
	ort (pcs) ort (pcs)	3	1 0	0	2
SD50 conn	ector (pcs)	0	0	0	0
	SD300 connector (pcs) Back light		0	0	0
LCD siz	e (inch)	2.7	1.4	1.4	-
	ep etachable	1	-	-	-
Display	fixation		1	1	-
	nge button e (w/o switch unit)	1	1	1	-
Reset	button	-	-	-	-
	battery /off button	1	-	-	-
Light on/o	off button	1	1	1	- ✓
	own button & auto stop	-	-	-	-
Auto start	Clock	1	-	-	-
	Assist mode display Assist on/off	1	-	-	-
	Walk mode display	1	1	1	1
	Battery charge level Light condition	1	<i>J</i>	-	✓
	Current speed	√	1	1	-
	Gear position display	✓	1	1	-
	Start mode	1	-	-	-
	Automatic shift mode	** /	1	1	-
	Maximum speed Average speed	** ✓	-	-	-
Contents of display	Trip distance	**./	1	1	-
Contents of display	Trip time Odometer	**/	-	-	-
	Estimated range	J	J	1	-
	Range overview Assist power	1	-	-	-
	Assist power indicator Error message	7	-	-	-
	Cadence (rpm)	** 🗸	-	-	-
	Human output power	-	-	-	-
	<u>Čalorie</u> Shifting advice	-	-	-	-
	Maintenance alert	7	*** 🗸	*** 🗸	-
	Bluetooth®LE connection status	✓	-	-	-
	Assist profile Trip distance reset	-	-	-	-
	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	** ✓	** 🗸	-
	Font color	1	-	-	-
	Adjusting for shift Adjusting for auto	* ✓	*** -	*** -	* 🗸
	shift timing RD protection reset	* ✓	*** -	***-	* 🗸
	Bluetooth@LE	1	-	-	1
	pairing Bluetooth®LE/ANT	-	_	-	-
	Assist customize	-	-	-	-
	Assist profile select	1	- /	- /	-
	English German	<i>J</i>	-	-	-
Language	Dutch	1	-	-	-
	French Spanish	1	-	-	-
Italian Average weight (g)		110	- 40	-	-
Average	weight (g)	110	* Left on handlebar	39 * Left on handlebar	6
No	ote	* In case of SEIS ** Option by E-TUBE PROJECT	(normal specification and I- SPEC EV specification) ** Setting by E- TUBE PROJECT *** Drive unit setting by E-TUBE	(normal specification and I- SPEC EV specification) ** Setting by E- TUBE PROJECT *** Drive unit setting by E-TUBE	* Set by switch operation in case of SEIS
			PROJECT	PROJECT	

SC

SW

DU

SMDU

SMDU

SMCR

SMCD

ВТ

BM

EWSW

EWCP

EC

SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

Switch Unit

Sei	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	Model no.		SW-EM800-L	SW-EN600-L	SW-EN600-R	SW-E8000-L	SW-E7000-L	SW-E7000-R
Switch	h type		-	-	-	FIREBOLT	-	-
		Į.	Black	Black	Black	Black	Black	Black
Color		2	-	-	-	-	-	-
	:	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	1	-	✓	1	-
Button nui	mbers (pcs)		2	5	3	2	2	2
Maste	er unit		-	-	-	-	-	-
Firmware update k	y E-TUBE P	ROJECT	✓	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	-	-	-	-
	2 s	tep	-	-	-	-	-	-
Multiple input	Но	old	* 🗸	-	** ✓	✓	1	1
	Batter	y level	-	1	-	-	-	-
LED	Assist	status	-	1	-	-	-	-
	Rivetoot	Di2 data items	-	1	-	-	-	-
Minutes for all	Bluetoot h® LE custom (*1)	SHIMAN O E-BIKE SYSTEM S data items	-	1	-	-	-	-
Wireless function		Dj2 data items	-	1	-	-	-	-
ANT privat (*2)	ANT private (*2)	SHIMAN O E-BIKE SYSTEM S data items	-	✓	-	-	-	-
Average v	Average 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 com open p	with a Blue martphone/ ofile. *2 Con profile. profile.	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
Switch	h type		-	-	-
		1	Black	Black	Black
Color	:	2	-	-	-
	:	3	-	-	-
Battery manag	gement syst	em	First generation	First generation	First generation
Usa	age		For assist	For SEIS shift	* For assist or SEIS shift
Righ	t SW		-	1	1
Left	: SW		✓	-	1
Button nu	mbers (pcs)		3	3	3
Maste	er unit		-	-	-
Firmware update l	y E-TUBE P	ROJECT	✓	1	✓
SD50 p	ort (pcs)		0	0	0
SD300 p	ort (pcs)		0	0	0
SD50 conn	ector (pcs)		1	1	1
SD300 con	nector (pcs)		0	0	0
System	On-Off		=	-	-
Assist mo	de change		✓	-	✓
Display	change		✓	✓	* 🗸
Automatic/m	anual chan	ge	1	1	* ✓
Light	On-Off		*-	-	* 🗸
Multiple in must	2 s	tep	-	-	-
Multiple input	Н	old	-	** ✓	-
LED	Batter	y level	-	-	-
LED	Assist	status	-	-	-
	Bluetoot	Di2 data items	-	-	-
Minutes from the	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 v	weight (g)		31.3	31.3	25.5
Note *1 Compatible cycle computer and s not freely open pro with ANT+ cycle con open p	with a Blue martphone, ofile. *2 Cor nputer but i orofile.	etooth LE /tablet but npatible not freely	* 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 SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

Drive Unit

Sei	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
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	-	-	-	-	-	-
Battery manage	gement system	Second generation	Second generation	Second generation	Second generation	Second generation	First generation
	brake type	Disc brake	Disc brake	Disc brake	Disc brake	V-BRAKE, Roller brake, Disc brake, Coaster brake	Disc brake
Moto	r type	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor
	tion	Midship	Midship	Midship	Midship	Midship	Midship
Compatible w	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	torque (Nm)	85	85	85	85	60	85
	voltage Internal geared hub	36 V DC ✓	36 V DC ✓	36 V DC ✓	36 V DC ✓	36 V DC ✓	36 V DC ✓
Di2 compatible	Rear derailleur	1	1	1	1	J	1
	24 km/h 25 km/h	- * √	- * √	- * √	*/	-	** /
Maximum support bike speed	20 mph	*✓	*✓	*/	*✓	√	** ✓
bike speed	28 mph	******	******	*****	******	*****	-
	Other Adjustment	-	-	-	-	-	* 🗸
	Dynamic	-	-	-	-	-	-
	Explorer Customize	-	-	-	-	-	
Riding	Sportive/Light off-	-	-	-	-	-	-
characterístics	Comfort	-	-	-	-	-	-
	Basic mode Finetune mode	1	1	1	1	1	1
Assist customize	Number of profile	2	2	2	2	2	2
	BOOST	1	1	1	1	1	7
Assist mode	HIGH TRAIL	1	1	1	1	1	-
	NORMAL	1	1	1	1	1	-
Power cumby	ECO for front light	√ 12 V DC	√ 12 V DC	√ 12 V DC	12 V DC	√ 12 V DC	√ 12 V DC
Power supply	for rear light	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Maximum current se	upply front and rear otal (A)	2.0	2.0	2.0	2.0	2.0	2.0
Power supply and n	naximum current for	12 V DC / 2.0 A	12 V DC / 2.0 A	12 V DC / 2.0 A	12 V DC / 2.0 A	-	-
Power supply and n	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
	nication er unit	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE
	by E-TUBE PROJECT	7	7	7	1	7	7
	ort (pcs)	0	0	0	0	0	0 2
SD50 conn	ort (pcs) ector (pcs)	0	0	0	0	0	0
SD300 con		0	0	0	0	0	0
Port for electr	or light (pcs) ic devices (pcs)	***2	***2	***2	***2	0	0
Port for Speed Sensor (pcs)	SD50 type	0	0	0	0	0	0
	SD300 type compatible	1	1	1	1	1	-
Chain device	e compatible	1	1	1	1	1	1
	sensor osition sensor	1	1	1	1	1	- J
Bike spec	ed sensor	****	****/	****/	****	****	*** ✓
Cadence	e sensor On/Off	*/	*/	*/	*/	*/	** /
Walk assist function	Standard		-	-	-	-	-
waik assist function	Intelligent Quick	*****/	*****/	*****/	*****/	*****	* √
	Internal geared hub	√	-	-	-	-	√
	11-špeed Internal geared hub	*****	-	*****	1	*****	* 🗸
Automatic shift	8-speed Internal geared hub	-		-			
	l 7-sneed l	- ***** /	-	*****	-	-	-
	Internal geared hub 5-speed (INTER-5E)	*****	1	*****	1	**** √	* 🗸
CVMADUCATATIC	Rear derailleur Internal geared hub	******	1	*****/	1	******	* 🗸
SYMPHOMATIC	Rear derailleur	1	1	1	1	1	į.
Compatible	drive unit control spindle type	✓ 24mm narrow	✓ 24mm narrow	✓ 24mm narrow	✓ 24mm narrow	24mm narrow	24mm narrow
Drive unit fixi	ng screw (pcs)	6	6	6	6	6	6
Average v	veight (kg)	2.7 *Set by E-TUBE	2.7 For CARGO bike	3.0 *Set by E-TUBE	3.0 For CARGO bike	3.0	2.6
Note		PRÓJECT **Can be selected by E-TUBE PROJECT Factory. Boost/Trail/Eco or High/Normal/Eco ***CAN translation:1 AUX:1 ****In combination with EW-SS300/	*Set by E-TUBE PROJECT **Can be selected by E-TUBE PROJECT Factory. Boost/Trail/Eco or High/Normal/Eco ***CAN translation:1 AUX:1	PRÓJECT **Can be selected by E-TUBE PROJECT Factory. Boost/Trail/Eco or High/Normal/Eco ***CAN translation:1 AUX:1 ****In combination	*Set by E-TUBE PROJECT **Can be selected by E-TUBE PROJECT Factory. Boost /Trail/Eco or High/Normal/Eco ***CAN translation:1 AUX:1	* Set by E-TUBE PROJECT ** Can be selected by E-TUBE PROJECT Factory *** In combination with EWS\$300/ \$330/\$3302 **** In case of Di2	* In case of Di2 ** Set by E-TUBE PROJECT *** By using EW- \$3200 EW-SS301
			****In combination with EW-SS300/ SS301/SS302 *****In case of Di2 ******US Class 3 (comply with California) only	with EW-SS300/ SS301/SS302 ****** n case of Di2 ******* Class 3 (comply with California) only	****In combination with EW-SS300/ SS301/SS302 *****In case of Di2 ******US Class 3 (comply with California) only	****** US Class3(comply with California)only	

Drive Unit

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	DU-EP800-CRG	DU-E8000	DU-E8080	DU-E7000	DU-E6100	DU-E6100-CRG
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
Rattery manag	gement system	First generation	First generation	First generation	First generation	First generation	First generation
	brake type	Disc brake	Disc brake/V-BRAKE	Disc brake	Disc brake/V-BRAKE	V-BRAKE, Roller	Disc brake
•	r type	Brushless motor	Brushless motor	Brushless motor	Brushless motor	brake, Disc brake Brushless motor	Brushless motor
Posi		Midship	Midship	Midship	Midship	Midship	Midship
Compatible w		**1300-3000	*1300-3000	*1300-3000	*1300-3000	*1300-3000	**1300-3000
	ed power (Watt) corque (Nm)	250 85	250 70	250 70	250 60	250 60	250 60
	voltage	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
-	24 km/h	-	-		*/	* ✓	-
	25 km/h	** ✓	*/	-	*/	* 🗸	** ✓
Maximum support bike speed	20 mph 28 mph	** ✓	*/	-	*./	* ✓	** ✓
	Other	-	-	-	-	-	-
	Adjustment	-	-	-	* /	* 🗸	** ✓
	Dynamic Explorer	-	*/	-	*/	-	-
	Customize	-	*/	-	*/	-	-
Riding characteristics	Sportive/Light off- road	-	-	-	-	* 🗸	** 🗸
characteristics	Comfort	-	-	1	-	* 🗸	** 🗸
	Basic mode	1	-	-	-	-	-
Assist customize	Finetune mode Number of profile	2	1	1	1	<u>-</u> 1	- 1
	BOOST	7	7	-	1	-	-
A colot consider	HIGH	-	-	1	-	✓	✓
Assist mode	TRAIL NORMAL	-	-	-	-	-	-
	ECO	√	✓	1	✓	√	√
	for front light	12 V DC	6 V DC	6 V DC	12 V DC	12 V DC	12 V DC
Maximum current si	for rear light upply front and rear	12 V DC 2.0	6 V DC 2.0	6 V DC 2.0	12 V DC 2.0	12 V DC 2.0	12 V DC 2.0
Power supply and m	upply front and rear otal (A) naximum current for						
Δ(רכ ו	-	-	-	-	-	-
Power supply and in CAN	naximum current for port	-	-	-	-	-	-
Safe way ho	me function	√ E-TUBE	√ E-TUBE	√ E-TUBE	E-TUBE	√ E-TUBE	√ E-TUBE
	nication er unit	E-10BE	E-TUBE	£-10BE	E-10BE	E-TUBE	E-10BE
Firmware update b	y E-TUBE PROJECT	1	1	1	1	1	1
SD50 pc SD300 p	ort (pcs)	0 2	2	2	2 0	0	0
SD50 conn		0	0	0	0	0	0
SD300 cont		0	0	0	0	0	0
Terminal fo Port for electri		1 0	1 0	0	1 0	0	1 0
Port for Speed Sensor (pcs)	SD50 type	0	1	Ī	1	1	1
Sensor (pcs)	SD300 type compatible	1	0	0	0	0	0
	compatible	1	1	1	1	-	-
Torque	sensor	1	1	1	1	1	1
	osition sensor ed sensor	*** /	** /	** /	** /	** /	*** /
	e sensor	1	,	1	Ž	,	√
	On/Off	** 🗸	1	-	*✓	* 🗸	** 🗸
Walk assist function	Standard Intelligent	* ./	***./	-	**•	*** ✓	* ✓
	Quick	Ž	1	-	Ž	1	,
	Internal geared hub 11-speed	-	-	-	-	-	-
	Internal geared hub	* 🗸	-	-	_	1	1
Automatic shift	Internal geared hub 7-speed	-	_	_	_	<u> </u>	_
	7-speed Internal geared hub 5-speed (INTER-5E)	* 🗸		-			
	5-speed (INTER-5E) Rear derailleur	* √	-	-	-	-	-
CVAADUCAAATIC	Internal geared hub	* 🗸	-	-	-	-	· /
SYMPHOMATIC	Rear derailleur	-	-	-	-	-	-
	drive unit control spindle type	- 24mm narrow	- 24mm	24mm	24mm	- 24mm	- 24mm
Drive unit fixi	ng screw (pcs)	6	-	-	-	-	-
Average w	veight (kg)	2.6	2.88	2.89	2.79	2.76	2.76
No	ote	* In case of Di2 ** 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	* 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- DUE10/SM-DUE11 *** Only in combination with Di2	* In case of DI2 **Set by E-TUBE PROJECT ***By using SM- DUE10/SM-DUE11

SC

SVV

DU

SMDU

SMDU

RT

FC

SMCR

SMCD

ВТ

BM

EWSW

EWCP

EC

SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE BSEW

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	gement system	First generation	First generation	First generation	First generation	First generation	First generation
Compatible	brake type	Coaster brake	V-BRAKE, Roller brake, Disc brake	V-BRAKE, Roller brake, Disc brake, Coaster brake	V-BRAKE, Roller brake, Disc brake, Coaster brake	V-BRAKE, Roller brake, Disc brake, Coaster brake	V-BRAKE, Roller brake, Disc brake, Coaster brake
	r type	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor	Brushless motor
Posi Compatible w	heel size (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	250	250	250	250	250
	orque (Nm) voltage	60 36 V DC	60 36 V DC	50 36 V DC	40 36 V DC	40 36 V DC	40 36 V DC
	Internal geared hub	√	√	√	√	√	√
Di2 compatible	Rear derailleur	-	✓.	1	✓	1	1
	24 km/h 25 km/h	- * /	-	-	- * /	/	-
Maximum support bike speed	20 mph	*./	-	1	*./	-	-
bike speed	28 mph	-	-	-	-	-	-
	Other Adjustment	- * √	*•	-	*•	*/	*/
	Dynamic	-	-	-	-	-	-
	Explorer	-	-	-	-	-	-
Riding	Customize Sportive/Light off-	- * /	*•	-	*./	-	-
characteristics	Sportive/Light off- road Comfort	*/	*√	1	**/	-	-
	Basic mode	~ √	* /	-	-	-	-
	Finetune mode	-	-	-	-	-	-
Assist customize	Number of profile BOOST	1 -	<u> </u>	1 -	1 -	1	1 -
	HIGH	· /	· ·	-	· /	-	-
Assist mode	TRAIL		-	-	-		-
	NORMAL ECO	1	1	1	1	1	1
Power supply	for front light	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Power supply	for rear light	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
light to	upply front and rear otal (A)	2.0	2.0	2.0	2.0	2.0	2.0
Power supply and n	naximum current for	-	-	-	-	-	-
Power supply and n	naximum current for port	-	-	-	-	-	-
Safe way ho	me function	1	√	1	✓	1	1
	nication	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE	E-TUBE
	er unit by E-TUBE PROJECT	1		1	1	1	1
SD50 pc	ort (pcs)	2	2	1	1	1	1
	ort (pcs)	0	0	0	0	0	0
SD50 conn SD300 coni		0	0	0	0	0	0
Terminal fo	r light (pcs)	1	1	1	11	1	1
	ic devices (pcs) SD50 type	0	<u> </u>	0	0	0	0
Port for Speed Sensor (pcs)	SD300 type	Ö	0	-	Ö	Ö	Ö
	compatible	1	1	1	1	1	1
	e compatible sensor	-	-	-	-	-	-
Crank arm po	sition sensor	1	1	-	-	-	-
	ed sensor e sensor	** ✓	** ✓	** ✓	** ✓	** ✓	** ✓
Cadence	e sensor On/Off	* /	-	* 🗸	*/	-	-
Walk assist function	Standard	-	-	-	-	-	-
ank assist runction	Intelligent Quick	***/	-	***√	***/	-	-
	Internal geared hub	-		-		-	-
	11-špeed Internal geared hub						
Automotic chite	i 8-speed i	1	✓	***	✓	1	1
Automatic shift	Internal geared hub 7-speed	-	-	-	-	-	-
	Internal geared hub 5-speed (INTER-5E) Rear derailleur	-	-	*** √ -	√ -	-	-
SYMPHOMATIC	Internal geared hub	1	1	1	1	1	1
	Rear derailleur drive unit control	-	-	-	-	- /	-
Compatible	spindle type	24mm	24mm	Square	Square	Square	Square
	ng screw (pcs) veight (kg)	2.7	2.81	6 2.38	2.38	2.38	2.38
	ote	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11 *** Only in	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11	* Set by E-TUBE PROJECT ** In combination with SM-DUE10/SM- DUE11 *** Only in	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11 *** Only in	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11	* Set by E-TUBE PROJECT ** By using SM- DUE10/SM-DUE11
		combination with Di2		combination with Di2	combination with Di2		

Drive Unit Cover

Sei	ries	SHIMANO	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	1	~	-	✓	✓	-
Cover	Bottom	-	-	1	-	-	✓
	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	Model no.		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	✓	-	1
	Left	1	1	1	✓	✓	✓
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive	unit angle (deg.)	0-60	0-60	0-60	0-60	0-60	0-60
Ne	ote	Standard cover	Mount screw cover	-	-	-	-

Se	eries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Мос	del 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	1	1	1	1	✓	1
	Left	1	1	1	✓	✓	-
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive	Available drive unit angle (deg.)		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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Drive Unit Cover

Ser	ries	SHIMANO	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	1	-	1
	Left	-	-	-	✓	✓	1
Cover	Bottom	-	-	-	-	-	-
	Front	-	-	-	-	-	-
	Connector	-	-	-	-	-	-
Available drive unit angle (deg.)		45	0	45	0-60	0-60	0-60
Note		-	For internal cable routing	For internal cable routing	-	-	-

Sei	ries	SHIMANO
Mode	el no.	SM-DUE50-CC
	1	Black
Color	2	-
	3	-
	Right	-
	Left	1
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	✓	~	✓	^
Бтаке ѕрес	Rim	-	-	~	-	~
	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	-	-	~	-	✓
	Magnet integrated rotor	-	✓	-	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
Cabla law with (www.)	540	-	-	✓	-	✓
Cable length (mm)	760	1	1	1	1	1
	1400	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

Se	ries		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	el no.		RT-EM910	RT-EM810	RT-EM600	RT-EM300
CENTE	R LOCK		1	✓	✓	1
6-bolt (P.C	.D. 44 mm)		-	-	-	-
ICE TECHI	NOLOGIES		1	1	-	-
ICE TECHNOL	OGIES FREE	ZA	1	1	-	-
	20	03	√ *	√ *	√ *	√ *
Outside diameter	18	80	√ *	√ *	√ *	√ *
Outside diameter (mm)	10	60	√ *	√ *	√ *	√ *
	14	40	-	-	-	-
Alloy lo	ock ring		1	1	-	-
		erial	Aluminum	Aluminum	Aluminum	Steel
Adapter	Fin	ish	Painted	Painted	Painted	Painted
Rotor	Material		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/ external	Material	-	-	-	Steel
	type	Finish	-	-	-	Painted
Average weight (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)	-	-
No	Note		* For rear only with magnet bracket Painted fin	* For rear only with magnet bracket	* For rear only with magnet bracket	* For rear only with magnet bracket

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Crank Arm

Ser	ries	SHIMANO	SHIMANO	SHIMANO	DEORE XT	DEORE XT	SHIMANO
Mode	el no.	FC-EM900	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	*	-	-	1	1	1
Crank arm type	Solid	-	✓	1	-	-	-
Q facto	or (mm)	177 (DU-EP800)	177 (DU-EP800)	178	177 (DU-EP800)	177, 180 *	177, 180 *
Chain case	compatible	*	✓	1	1	√ *	√ *
	175	1	✓	1	✓	✓	✓
	172.5	-	-	-	-	-	-
Crank arm length (mm)	170	*	✓	1	1	✓	✓
(mm)	165	✓	✓	-	1	✓	-
	160	*	✓	-	1	-	-
	Others	-	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Crank arm	Finish	Anodized	Anodized	Painted	Anodized	Anodized	Anodized
BB t	BB type		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

Ser	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	-	-	-	-	-
Crank arm type	HOLLOWTECH	-	-	-	-	-
Crank ann type	Solid	1	✓	1	1	1
Q facto	or (mm)	177, 180 *	180	213	185	185
Chain case	Chain case compatible		✓	1	✓	1
	175	✓	✓	1	1	1
	172.5	-	-	-	-	-
Crank arm length (mm)	170	✓	✓	1	✓	1
(mm)	165	✓	-	-	1	1
	160	1	-	-	-	-
	Others	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Clark arm	Finish	Painted	Anodized	Painted	Painted	Painted
BB t	уре	24mm	24mm	Square	Square	Square
Average v	veight (g)	-	-	-	-	-
Note		* In case with DU- E6100/E6110/E6180/ E7000	-	-	-	-

Chainring Unit

Ser	ies	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	-	-
	11-speed	-	✓	-	-	*✓	*✓
	10-speed	-	✓	-	-	*✓	*-/
Rear speed	9-speed	-	✓	-	-	-	-
near speed	8-speed	-	-	-	-	-	-
	7-speed	-	-	-	-	-	-
	5-speed	-	-	-	-	-	-
	Single	-	✓	-	-	-	-
DYNAMIC CHAIN	ENGAGEMENT+	✓	-	✓	✓	1	-
	Combination	-	-	-	-	-	-
	47T	-	-	-	-	-	1
	44T	-	✓	-	-	-	-
	42T	-	-	-	-	-	-
Chainring teeth	40T	-	-	-	-	-	-
Chaming teeth	38T	-	1	1	-	1	-
	36T	-	-	1	1	-	-
	34T	-	-	✓	✓	1	-
	32T	✓	=	-	-	-	-
	Others	-	-	-	-	-	-
	Double	-	✓	-	-	-	-
Chain guard type	Single	-	1	-	-	-	-
	w/o chain guard	✓	1	1	1	1	1
Chainring fix	ring lock nut	Included in drive	Included in drive	Included in drive	Included in drive	Included in drive	Included in drive
Arm cover outer	-	unit -	unit -	unit -	unit -	unit -	unit -
Chain device		1	_	1	1	1	SM-CDE80 (frame
							mount)
Chain case	•	-	-	-	-	-	-
	56.5	-		-	1		-
	55	1	-	1	-	1	-
Chain line (man)	53	-	-	-	-	-	-
Chain line (mm)	50	-	1	-	-	-	1
	49.7	-	-	-	-	-	-
	47	-	-	-	-	-	-
	46.5	-	-	-	-	-	-
Belt line (mm)	46	-	-	-	-	-	-
200	43 (mm)	-	- 104	104	- 104	- 104	- 104
P.C.D.		96 Stool	104	104 Stool	104 Stool	104 Stool	104
Chainring	Material Finish	Steel Painted	Steel Painted	Steel Plated	Steel	Steel	Aluminum
	Material	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
Spider arm	Finish	Anodized	<u>-</u>	Anodized	Anodized	Anodized	Anodized
Chalanda Ci	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Chainring fixing bolt	Finish	SP Black	-	SP Black	SP Black	SP Black	SP Black
Spider/g		4	4	4	4	4	4
Average v		-	-	-	-	-	-
No				Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	* E-BIKE rear derailleur system compatible chain Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10

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Chainring Unit

Se	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mod	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	1	-	-	-
	11-speed	*-/	-	-	1	1	1
	10-speed	*✓	-	-	1	1	1
B	9-speed	-	-	-	1	1	1
Rear speed	8-speed	-	-	-			
	7-speed	-	-	-			
	5-speed	-	-	-			
	Single	-	-	-	-	-	1
DYNAMIC CHAIN	I ENGAGEMENT+	√ (38T, 34T)	-	-	-	-	-
	Combination	-	-	-	-	-	-
	47T	-	-	-	-	-	-
	44T	1	-	-	-	-	1
	42T	-	-	1	-	-	-
	40T	-	-	-	-	-	-
Chainring teeth	38T	1	-	-	_	1	1
	36T	-	1	_	_	-	-
	34T	1	-	-	1	-	-
	32T	_	-	_	-	-	-
	Others	_		-	_	_	_
	Double	**•	_	1	_	1	1
Chain guard type	Single	-	-	-	_	_	1
		-	- ✓	-	1	1	1
	w/o chain guard						
Chainring fiz	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)	-	-	-	-	-	95 (w/o chain guard only)
Chain device	compatible	✓	✓	-	1	✓	-
Chain case	compatible	-	-	-	-	-	1
	56.5	-	-	-	-	-	-
	55	-	✓	-	1	-	-
	53	-	✓	-	✓	-	-
Chain line (mm)	50	✓	-	✓	-	✓	-
	49.7	-	-	-	-	-	-
	47	-	-	-	-	-	-
	46.5	-	-	-	-	-	✓
Belt line (mm)	46	-	-	-	-	-	-
beit iiile (iiiii)	43	-	-	-	-	-	-
P.C.D.	(mm)	104	104	104	104	104	-
Chainring	Material	Steel	Steel	Steel	Steel	Steel	Steel
Chainring	Finish	Plated	Painted	Painted	Painted	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	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Chainring fixing bolt	Finish	SP Black	SP Black	SP Black	SP Black	SP Black	-
Spider/g	ear arms	4	4	4	4	4	4
Average v	weight (g)	-	-	-	-	-	-
Average weight (g) Note		* E-BIKE rear derailleur system compatible chain ** 44T only Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-9	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-9 * w/o CG, w/o back plate	* Color of arm cover

Chainring Unit

Col	ries	SHIMANO		
Mode	el no.	SM-CRE50		
	1	Dark Gray		
Color	2	-		
	3	-		
Gear	speed	1		
	12-speed	-		
	11-speed	1		
	10-speed	✓		
Rear speed	9-speed	✓		
	8-speed			
	7-speed			
	5-speed			
	Single	✓		
DYNAMIC CHAIN	I ENGAGEMENT+	-		
<u></u>	Combination	-		
	47T	-		
	44T	1		
	42T	-		
	40T	-		
Chainring teeth	38T	1		
	36T	_		
	34T	_		
	32T	-		
	Others	-		
	Double	1		
Chain guard type	Single	1		
Chain guard type	w/o chain guard	,		
	w/o chain guaru	Included in drive		
Chainring fix	king lock nut	unit		
Arm cover oute	r diameter (mm)	95 (w/o chain guard only)		
Chain device	e compatible	-		
Chain case	compatible	✓		
	56.5	-		
	55	-		
	53	-		
Chain line (mm)	50	-		
	49.7	-		
	47	-		
	46.5	/		
	46	-		
Belt line (mm)	43	-		
P.C.D.	(mm)	-		
	Material	Steel		
Chainring	Finish	Painted		
	Material	-		
Spider arm	Finish			
		Ctainless start		
Chainring fixing bolt	Material Finish	Stainless steel		
	4			
	Spider/gear arms			
	weight (g)	-		
No	ote	-		

SC

SVV

DU

SMDU

SMDU

RT

C

SMCR

SMCD

ВТ

BIVI

EWSW

EWCP

EC SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

Chain Device

Ser	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	1	✓	1
Chain compatibility	11-speed	✓	✓	1
Chain compatibility	10-speed		1	1
	9-speed	-	-	1
	38T	✓ (w/ plate type), - (w/o plate type)	✓	✓
	36T	✓ (w/ plate type), - (w/o plate type)	~	1
Top gear teeth	34T	✓ (w/ plate type), - (w/o plate type)	✓	✓
	32T	- (w/ plate type), ✔ (w/o plate type)	-	-
	30T	- (w/ plate type), ✔ (w/o plate type)	-	-
	10-45T	1	✓	1
	10-51T	1	✓	✓
	11-36T	-	✓	1
Assumed rear	11-40T	1	✓	✓
sprocket teeth	11-42T	1	✓	1
	11-46T	1	✓	1
Assumed rear sprocket teeth	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
Dark 1	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
a	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-EN805-A	BT-EN805-L-A	BT-EN806-A	BT-EN604-A	BT-EN605-A	BT-EN606-A
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
EN50	604-1	1	✓	~	✓	1	✓
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-Ion	Li-lon	Li-lon
Posi	tion	Integrated	Integrated	Integrated	Down tube/Seat tube	Down tube/Seat tube	Down tube/Seat tube
Rated vo	ltage (V)	36	36	36	36	36	36
Rated cap	acity (Ah)	14	14	17.5	11.6	14	17.5
Rated cap	acity (Wh)	504	504	630	418	504	630
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%	* 4 (** 4.5)	* 4 (** 4.5)	* 4.8 (** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)	* 4.8 (** 5.7)
(hour)	SOC = 80%	* 2.5 (** 3.2)	* 2.5 (** 3.2)	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	* 3.2 (** 4)
Charge le	el display	1	✓	~	✓	1	~
Error	signal	1	✓	✓	1	1	✓
Chargi	ng port	*** -	*** -	*** -	1	1	1
System on	off switch	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-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN600	BM-EN600	BM-EN600
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-BTE80	SM-BTE80	SM-BTE80	-	-	-
Average v	veight (kg)	2.9	3.15	3.7	2.6	2.55	3.2
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) *** 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)

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Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-EN404-A	BT-EN405-A	BT-E8010-A	BT-E8014-A	BT-E8016-A	BT-E8035-A
	1	Black	Black	Black	Black	Black	Black
Color	2	Gray	Gray	-	-	-	-
	3	-	-	-	-	-	-
EN50	604-1	1	~	✓	1	1	~
Battery manag	ement system	Second generation	Second 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	Rear carrier	Down tube	Down tube	External	Integrated
Rated vo	ltage (V)	36	36	36	36	36	36
Rated cap	acity (Ah)	11.6	14	* 14	* 11.6	* 17.5	* 14
Rated cap	acity (Wh)	418	504	* 504	* 418	* 630	* 504
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%	* 3.0 (** 3.5)	* 4 (** 4.5)	** 4 (*** 4.5)	** 3.0 (*** 3.5)	** 4.8 (*** 5.7)	** 4 (*** 4.5)
Time to charge (hour)	SOC = 80%	* 2.0 (** 2.5)	* 2.5 (** 3.2)	** 2.5 (*** 3.2)	** 2.0 (*** 2.5)	** 3.2 (*** 4)	** 2.5 (*** 3.2)
Charge lev	el display	1	~	√	1	✓	~
Error	signal	✓	✓	✓	✓	✓	✓
Chargir	ng port	-	-	√	1	✓	** -
System on	off switch	✓	✓	✓	1	✓	✓
Compatible b	attery mount	BM-EN400	BM-EN400	BM-E8016	BM-E8016	BM-E8016	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 ada	ptor for charge	SM-BTE60	SM-BTE60	-	-	-	SM-BTE80
Average w	veight (kg)	2.58	2.65	2.6	2.55	3.2	2.9
No	vte	* 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) ** By EC-E8004 (*** In case of 100 V AC)	* BT-E8014-A for Japan (10.9 Ah, 393 White Park	* BT-E8016-A for Japan (16.2 Ah, 583 Wh) ** By EC-E8004 (*** In case of 100 V AC)	* BT-E8035-A for Japan (13 Ah, 468 Wh) ** By EC-E8004 (*** In case of 100 V AC) **** with SM-BTE80 or EW-CP100

Battery

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-E8035-L-A	BT-E8036-A	BT-E6000-A	BT-E6001-A	BT-EN805	BT-EN805-L
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	Gray	Gray	-	-
	3	-	-	-	-	-	-
EN50	604-1	1	1	1	1	-	-
Battery manag	ement system	First generation	First generation	First generation	First generation	Second generation	Second generation
Chen	nistry	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon	Li-lon
Posi	tion	Integrated	Integrated	Rear carrier	Rear carrier	Integrated	Integrated
Rated vo	ltage (V)	36	36	36	36	36	36
Rated cap	acity (Ah)	* 14	* 17.5	11.6	14	14	14
Rated cap	acity (Wh)	* 504	* 630	418	504	504	504
Cyclelife span fo	r 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 (** 4.5)	* 4 (** 4.5)
(hour)	SOC = 80%	** 2.5 (*** 3.2)	** 3.2 (*** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	* 2.5 (** 3.2)	* 2.5 (** 3.2)
Charge lev	el display	1	1	1	1	1	1
Error	signal	1	1	1	1	1	✓
Chargi	ng port	** -	** -	-	-	*** -	*** -
System on	off switch	1	1	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	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-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 ada	ptor for charge	SM-BTE80	SM-BTE80	SM-BTE60	SM-BTE60	SM-BTE80	SM-BTE80
Average w	veight (kg)	3.15	3.7	2.58	2.65	2.9	3.15
No	Note		* BT-E8036-A for Japan (16.2 Ah, 583 Wh) ** 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) *** with SM-BTE80 or EW-CP100	* By EC-E8004 (** In case of 100 V AC) *** with SM-BTE80 or EW-CP100

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Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode		BT-EN806	BT-EN604	BT-EN605	BT-EN606	BT-EN404	BT-EN405
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	Gray	Gray
	3	-	-	-	-	-	-
EN50	604-1	-	-	-	-	-	-
Battery manag	jement system	Second generation	Second generation	Second generation	Second generation	Second generation	Second generation
Chen	nistry	Li-lon	Li-lon	Li-Ion	Li-Ion	Li-lon	Li-Ion
Posi	tion	Integrated	Down tube/Seat tube	Down tube/Seat tube	Down tube/Seat tube	Rear carrier	Rear carrier
Rated vo	ltage (V)	36	36	36	36	36	36
Rated cap	acity (Ah)	17.5	11.6	14	17.5	11.6	14
Rated cap	acity (Wh)	630	418	504	630	418	504
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)	* 4.8 (** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)
Time to charge (hour)	SOC = 80%	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)	* 3.2 (** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)
Charge lev	el display	✓	1	✓	1	1	*
Error	signal	1	1	1	1	1	1
Chargi	ng port	*** -	1	1	1	-	-
System on	off switch	1	1	1	1	1	1
Compatible b	attery mount	BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B	BM-EN600	BM-EN600	BM-EN600	BM-EN400	BM-EN400
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-BTE80	-	-	-	SM-BTE60	SM-BTE60
Average w	veight (kg)	3.7	2.55	2.6	3.2	2.58	2.65
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)	* 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)



Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BT-E8010	BT-E8014	BT-E8016	BT-E8020	BT-E8035	BT-E8035-L
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
EN500	604-1	-	=	=	-	-	-
Battery manag	ement system	First generation	First generation	First generation	First generation	First generation	First generation
Chem	nistry	Li-lon	Li-lon	Li-Ion	Li-lon	Li-lon	Li-lon
Posi	tion	Down tube	Down tube	External	Integrated	Integrated	Integrated
Rated vo	ltage (V)	36	36	36	36	36	36
Rated cap	acity (Ah)	* 14	* 11.6	* 17.5	14	* 14	* 14
Rated capa	acity (Wh)	* 504	* 418	* 630	504	* 504	* 504
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%	** 4 (*** 4.5)	** 3.0 (*** 3.5)	** 4.8 (*** 5.7)	* 4 (** 4.5)	** 4 (*** 4.5)	** 4 (*** 4.5)
(hour)	SOC = 80%	** 2.5 (*** 3.2)	** 2.0 (*** 2.5)	** 3.2 (*** 4)	* 2.5 (** 3.2)	** 2.5 (*** 3.2)	** 2.5 (*** 3.2)
Charge lev	el display	1	~	√	1	1	✓
Error	signal	1	~	✓	1	✓	~
Chargir	ng port	✓	✓	✓	1	** -	** -
System on	off switch	1	~	✓	1	✓	✓
Compatible b	attery mount	BM-E8016	BM-E8016	BM-E8016	BM-E8020	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B
Compatibl	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-BTE80	SM-BTE80
Average w	veight (kg)	2.6	2.55	3.2	3.05	2.9	3.15
		* 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)		* BT-E8035 for Japan (13 Ah, 468 Wh)	* BT-E8035-L for Japan (13 Ah, 468 Wh)
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)	** 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

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Sei	ries	SHIMANO	SHIMANO	SHIMANO
Model no.		BT-E8036	BT-E6000	BT-E6001
1		Black	Black	Black
Color	2	-	Gray	Gray
	3	-	-	-
EN50	604-1	-	-	-
Battery manag	gement system	First generation	First generation	First generation
Chen	nistry	Li-lon	Li-lon	Li-lon
Posi	tion	Integrated	Rear carrier	Rear carrier
Rated vo	ltage (V)	36	36	36
Rated cap	acity (Ah)	* 17.5	11.6	14
Rated cap	acity (Wh)	* 630	418	504
Cyclelife span fo	or charge (times)	1,000 (more than 60%)	1,000 (more than 60%)	1,000 (more than 60%)
Time to charge (hour)	SOC = 100%	** 4.8 (*** 5.7)	* 3.0 (** 3.5)	* 4 (** 4.5)
	SOC = 80%	** 3.2 (*** 4)	* 2.0 (** 2.5)	* 2.5 (** 3.2)
Charge le	vel display	1	1	✓
Error	signal	1	1	✓
Chargi	ng port	** -	-	-
System on	off switch	1	1	1
Compatible b	attery mount	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
Compatible ada	ptor for charge	SM-BTE80	SM-BTE60	SM-BTE60
Average v	veight (kg)	3.7	2.58	2.65
		* BT-E8036 for Japan (16.2 Ah, 583 Wh)		
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)
		**** with SM-BTE80 or EW-CP100		

Battery Mount

Ser	ries	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BM-EN800-A	BM-EN800-B	BM-EN801-A	BM-EN801-B	BM-EN600	BM-EN400-A
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	Gray
	3	-	-	-	-	-	-
Battery manag	gement system	Second generation	Second generation	Second generation	Second generation	Second generation	Second generation
Posi	tion	Integrated	Integrated	Integrated	Integrated	Down tube/Seat tube	Rear carrier
Chargir	ng port	-	-	-	-	-	✓
Key lock	system	1	✓	-	-	✓	✓
System on	off switch	-	-	-	-	-	-
Power	cable	1	✓	1	1	✓	✓
	75	-	-	-	-	-	-
	250	1	✓	1	1	1	-
	300	-	-	-	-	✓	-
	400	1	1	1	1	-	-
Power cable length (mm)	600	-	-	-	-	✓	-
	900	-	-	-	-	-	-
	920	-	=	-	-	-	\
	1000	-	-	-	-	-	-
	1020	-	=	-	-	-	✓
Connect to	EW-CP***	1	-	1	-	-	-
Cable length to	EW-CP*** (mm)	200	-	200	-	-	-
Average w	veight (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)	* 0.38 (power cable: 920 mm), * 0.39 (power cable: 1020 mm)
No * See latest line-up of for compatible batt installat	ete chart & compatibility ery and compatible ion tool	* Without key unit	* Without key unit	-	-	* Without key unit	Compatibility with AXA key unit. * Without key unit

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Battery Mount

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	BM-EN400-B	BM-E8016	BM-E8020	BM-E8030-A	BM-E8030-B	BM-E8031-A
	1	Black	Black	Black	Black	Black	Black
Color	2	Gray	-	-	-	-	-
	3	-	-	-	-	-	-
Battery manag	ement system	Second generation	First generation	First generation	First generation	First generation	First generation
Posi	tion	Rear carrier	Down tube/Seat tube	Integrated	Integrated	Integrated	Integrated
Chargir	ng port	1	-	-	-	-	-
Key lock	system	✓	✓	1	✓	1	-
System on	off switch	-	-	-	-	-	-
Power	cable	✓	✓	1	✓	✓	✓
	75	-	=	-	-	-	-
	250	-	✓	1	✓	1	1
	300	-	✓	-	-	-	-
	400	-	-	1	1	1	1
Power cable length (mm)	600	-	✓	-	-	-	-
	900	-	-	-	-	-	-
	920	✓	=	-	-	-	-
	1000	-	-	-	-	-	-
	1020	✓	=	-	-	-	-
Connect to	EW-CP***	-	-	-	✓	-	1
Cable length to	EW-CP*** (mm)	-	-	-	200	-	200
Average w	veight (kg)	* 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)	0.33 (power cable: 250 mm), 0.34 (power cable: 400 mm)
* See latest line-up c for compatible batt installat	te hart & compatibility ery and compatible ion tool	Compatibility with ABUS and Trelock key unit. * Without key unit	-	-	* Without key unit	* Without key unit	-

Battery Mount

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		BM-E8031-B	BM-E6000-A	ВМ-Е6000-В
	1	Black	Black	Black
Color	2	-	Gray	Gray
	3	-	-	-
Battery manag	gement system	First generation	First generation	First generation
Posi	tion	Integrated	Rear carrier	Rear carrier
Chargi	ng port	-	1	1
Key lock	c system	-	1	1
System on	off switch	-	-	-
Powe	r cable	1	1	1
	75	-	-	-
	250	1	-	-
	300	-	-	-
	400	1	-	-
Power cable length (mm)	600	-	-	-
	900	-	-	-
	920	-	1	1
	1000	-	-	-
	1020	-	1	1
Connect to	EW-CP***	-	-	-
Cable length to	EW-CP*** (mm)	-	-	-
Average weight (kg)		0.31 (power cable: 250 mm), 0.32 (power cable: 400 mm)	-	-
* See latest line-up of for compatible batter installate	ote Chart & compatibility ery and compatible ion tool	-	Compatibility with AXA key unit.	Compatibility with ABUS and Trelock key unit.

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EWCA

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SMPCE

Satellite System ON/OFF Switch

Series		SHIMANO	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 port (pcs)		0	0	0
SD300 p	SD300 port (pcs)		0	0
SD50 conn	SD50 connector (pcs)		0	1
SD300 coni	nector (pcs)	0	1	0
155	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	weight (g)	10	23	25
No	ote			

Satellite Charging Port

Series	SHIMANO
Model no.	EW-CP100
Position	Integrated
Compatible battery mount	BM-E8030-A, BM- E8031-A, BM- EN800-A, BM- EN801-A
Compatible battery charger	EC-E6002, EC-E8004
Firmware update by E-TUBE PROJECT	-
Cable length to battery mount (mm)	200, 550
Average weight (g)	=
Note * See latest line-up chart & compatibility for compatible battery	

Battery Charger

Ser	ies	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Mode	el no.	EC-E8004-1	EC-E8004-2	EC-E8004-3	EC-E8004-4	EC-E8004-6	EC-E8004-7
	1	Black	Black	Black	Black	Black	Black
Color	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Plug	type	Type C	Type A	Type A	Type O	Type BF	Type C
Typical example	country/region	Europe	USA, Canada	Japan	Australia, New Zealand	UK	Korea
Compatib	le voltage	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	100 V - 240 V AC, 50 - 60 Hz
Out	put	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	42 V DC, 4 - 4.6 A
CE sta	ndard	✓	-	-	-	✓	-
UL sta	ndard	-	1	-	-	-	-
Korea s	tandard	-	-	-	-	-	✓
Japan s	tandard	-	-	1	-	-	-
Charging time for	Full charge (hour)	4.8 (* 5.7)	5.7	5.7	4.8 (* 5.7)	4.8 (* 5.7)	4.8 (* 5.7)
Charging time for 630 Wh (583 Wh in Japan) battery	80% charge (hour)	3.2 (* 4)	4	4	3.2 (* 4)	3.2 (* 4)	3.2 (* 4)
Charging time for	Full charge (hour)	4 (* 4.5)	4.5	4.5	4 (* 4.5)	4 (* 4.5)	4 (* 4.5)
Charging time for 504 Wh (464 Wh in Japan) battery	80% charge (hour)	2.5 (* 3.2)	3.2	3.2	2.5 (* 3.2)	2.5 (* 3.2)	2.5 (* 3.2)
Charging time for	Full charge (hour)	3.0 (* 3.5)	3.5	3.5	3.0 (* 3.5)	3.0 (* 3.5)	3.0 (* 3.5)
Charging time for 418 Wh (393 Wh in Japan) battery	80% charge (hour)	2.0 (* 2.5)	2.5	2.5	2.0 (* 2.5)	2.0 (* 2.5)	2.0 (* 2.5)
Charging le	vel display	-	-	-	-	-	-
Plug in cha	rging type	1	1	1	1	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	1	1	✓
Adapter for ba	ttery connecter	** -	* -	* -	** -	** -	** -
Compatible A	C power cable	-	-	-	-	-	-
Built in A	AC cable	1	1	1	1	1	✓
Built in AC cal	ole length (m)	2	2	1	1	1	1
Average v	veight (g)						
* See latest line-up of for compati	te hart & compatibility ble battery	* 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	* In case of 100 V AC ** Check latest line- up chart

SC

DU

SMDU SMDU

RT

SMCR

SMCD

BT

BM

EWSW EWCP

F.C.

SMDU

EWCA BSAU

BSAS

BSAP

BSSS

SMPCE

Battery Charger

Ser	ies	SHIMANO	SHIMANO
Mode		EC-E8004-12	EC-E6002
	1	Black	Black
Color	2	Diack	Diack
Color		-	-
	3		-
Plug	••	Type C	-
Typical example	country/region	Brazil	Worldwide
Compatib	le voltage	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, 1.8 A
CE sta	ndard	-	✓
UL sta	ndard	-	✓
Korea s	tandard	-	✓
Japan s	tandard	-	✓
Charging time for	Full charge (hour)	4.8 (* 5.7)	10.2
Charging time for 630 Wh (583 Wh in Japan) battery	80% charge (hour)	3.2 (* 4)	7.5
Charging time for	Full charge (hour)	4 (* 4.5)	7.5
Charging time for 504 Wh (464 Wh in Japan) battery	80% charge (hour)	2.5 (* 3.2)	4
Charging time for	Full charge (hour)	3.0 (* 3.5)	6.5
Charging time for 418 Wh (393 Wh in Japan) battery	80% charge (hour)	2.0 (* 2.5)	3.5
Charging le	evel display	-	-
Plug in cha	rging type	1	✓
Charging to	emperature	0 - 40 °C	0 - 40 °C
Storage te	mperature	-20 - 60 °C	-20 - 60 °C
Error	signal	1	✓
Adapter for ba	ttery connecter	** -	* _
Compatible A	C power cable	-	SM-BCC1
Built in A	AC cable	1	-
Built in AC cal	ble length (m)	1	-
Average v	veight (g)		523
Note * See latest line-up chart & compatibility for compatible battery		* In case of 100 V AC ** Check latest line- up chart	* Check latest line- up chart

Chain	Case	Fixing	Screw
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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	

SC

SW

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BIVI

EWSW

EWCP

SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

ABS Main Unit

500	CHIMANIO	
Series Model no		SHIMANO
Model no.		BS-AU301 Black
Color	2	-
	3	
Compatible	brake type	Disc brake
Frame mount	Internal	/
	External	1
	E-MTB	√ **
	E-ROAD/GRAVEL	-
Adaptive bike category	E-TREKKING/CITY	✓
	E-Cargo	1
	E-Small tire	1
Compatible drive	SHIMANO	√ *
Compatible drive unit	Others	1
	SHIMANO	√ *
Compatible battery	3rd Party	1
Compatible w	heel size (mm)	1300-3000
	Front	1
Control tire	Rear	-
J-I	J-kit	
Brake ho	se length	3000 mm or less
	E-TUBE	-
Communication	CAN	1
	USB	-
Port for whee	l speed sensor	1
Port for CAN	l connection	1
Master unit		-
	By E-TUBE PROJECT	-
Firmware update	By Blubrake software	1
SD300 port (pcs)		0
SD300 connector (pcs)		0
SD50 port (pcs)		0
SD50 connector (pcs)		0
Average weight (g)		-
Note		*Refer to Line-up chart **With condition

ABS Main Unit Mounting Parts Set

Se	ries	SHIMANO	SHIMANO
Mod	el no.	BS-AS300-O	BS-AS300-I
Color	1	Black	-
	2	-	-
	3	-	-
Compatible	e brake type	-	-
F	Internal	-	1
Frame mount	External	1	-
Average weight (g)		-	-
N	ote		

ABS Power Split Cable

Series		SHIMANO	
Mode	el no.	BS-AP301	
	1	Black	
Color	2	-	
	3	-	
Adaptation	24 - 60		
Compatible drive unit	SHIMANO	√ *	
	Others	-	
Compatible battery	SHIMANO	√ *	
	3rd Party	✓	
Wire harness	950		
Communication	E-TUBE	-	
	UART	1	
	CAN	-	
	USB	-	
Average weight (g)		-	
Note		*Refer to Line-up chart	

SC

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BT

BIVI

EWSW

EWCP

SMDU

EWCA

BSAU

BSAS

BSAP

BSSS

SMPCE

ABS Wheel Speed Sensor Kit

Se	ries		SHIMANO	SHIMANO
Mod	el no.		BS-SS300-C	BS-SS300-S
Color		1	Black	Black
	:	2	-	-
	:	3	-	-
Compatible	brake type	9	Disc brake	Disc brake
Moun	it type		F160PM/F180PM	F160PM/F180PM
	140 m	m (SS)	-	-
	160 n	nm (S)	-	-
Compatible rotor size	180 m	ım (M)	1	✓
	203 n	nm (L)	1	1
	220 m	ım (LL)	-	-
Compatible rotor	CENTE	R LOCK	1	-
Compatible rotor mount	6-k	oolt	-	1
Fork and frame mount style	Post mount	140 mm direct	-	-
		160 mm direct	1	~
		180 mm direct	1	√
		200 mm direct	-	-
		203 mm direct	-	-
	Flat	Front	-	i
	mount	Rear	-	-
	Internat stan	tional A- dard	-	-
Wire harness length (mm)		140	140	
Average weight (g)		-	-	
No	ote			

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	el no.	BS-EW302	BS-EW305
	1	Black	Black
Color	2	-	-
	3	-	-
	350	-	✓
	400	1	-
Wire harness length (mm)	500	1	-
	600	1	-
	1600	-	1
	E-TUBE	-	-
Communication	UART	-	-
	CAN	-	1
	USB	-	-
Average weight (g)		-	-
No	te	Connector color: red	Connector color: green

SC

SW

DU SMDU

SMDU

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SMCR

SMCD

ВТ

BIVI

EWSW

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SMPCE

