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Di2 spec. Rear Derailleur

Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES
Model no.		SL-U8000-11R	SL-U8000-11IR	SL-U8000-L	SL-U8000-IL	SL-U6000-11R	SL-U6050-11R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	-	2	2	-	-
Rear speeds		11	11	-	-	11	11
Compatible rear derailleur type		LINKGLIDE system 11-speed	LINKGLIDE system 11-speed	-	-	LINKGLIDE system 11-speed	LINKGLIDE system 11-speed
Mount type	Clamp band	X	-	X	-	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	X	-	X	-	-
	I-SPEC EV	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	X	-	X	-	-
Shift lever cable adjust		X	X	X	X	X	X
Front 2/3 mode converter		-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		2	2	-	-	2	2
Release function	MULTI RELEASE	-	-	-	-	-	-
	INSTANT RELEASE	X	X	X	X	-	-
	2-WAY RELEASE	X	X	X	X	X	-
	Adjustable lever	-	-	X	X	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X
	With (removable)	-	-	-	-	-	-
	Without	X	X	X	X	X	X
Multi-bearing construction		2	2	2	2	-	-
Shift lever bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	painted	painted	painted	painted	painted	painted
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Black	Black	Black	Black	Black	Black
Main lever body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel+GFRP	Steel+GFRP
	Finish	painted	painted	painted	painted	-	-
Release lever body	Material	Steel+GFRP	Steel+GFRP	-	-	Steel+Resin	Steel+Resin
	Finish	-	-	-	-	-	-
Base cover	Material	GFRP	GFRP	GFRP	GFRP	Resin	Resin
	Finish	painted	painted	painted	painted	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	X	X	X	X	-
		Steel	-	-	-	-	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		120	112	-	-	-	-
Note							

Shifter

Series		CUES	CUES	CUES	CUES	CUES	CUES
Model no.		SL-U6000-10R	SL-U6000-L	SL-U6050-10R	SL-U4000-9R	SL-U4010-9R	SL-U4050-9R
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-	-
	3	-	-	-	-	-	-
Shifter type		RAPIDFIRE PLUS	RAPIDFIRE PLUS MONO	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE PLUS
Front speeds		-	2	-	-	-	-
Rear speeds		10	-	10	9	9	9
Compatible rear derailleur type		LINKGLIDE system 10-speed	-	LINKGLIDE system 10-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed
Mount type	Clamp band	X	X	X	X	X	X
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	-	-	-	-	-	-
	I-SPEC EV	-	-	-	-	-	-
Shift lever position adjust		-	-	-	-	-	-
Shift lever rotation adjust (non I-SPEC EV)		-	-	-	-	-	-
Shift lever cable adjust		X	X	X	X	X	X
Front 2/3 mode converter		-	-	-	-	-	-
Max. multiple shifts (main lever/rear)		2	-	2	2	2	2
Release function	MULTI RELEASE	-	-	-	-	-	-
	INSTANT RELEASE	-	-	-	-	-	-
	2-WAY RELEASE	X	X	-	-	X	-
	Adjustable lever	-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With	X	X	X	X	X	X
	With (removable)	-	-	-	-	-	-
	Without	X	X	X	-	-	-
Multi-bearing construction		-	-	-	-	-	-
Shift lever bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	painted	painted	painted	painted	painted	painted
Clamp screw	Material	Stainless steel	Stainless steel	Stainless steel	steel	Steel	steel
	Finish	Black	Black	Black	plated	plated	plated
Main lever body	Material	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP	Steel+GFRP
	Finish	-	-	-	-	-	-
Release lever body	Material	Steel+Resin	-	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin
	Finish	-	-	-	-	-	-
Base cover	Material	Resin	Resin	Resin	Resin	Resin	Resin
	Finish	-	-	-	-	-	-
Shift lever cable	Inner cable	Polymer-coated cable	-	-	-	-	-
		OPTISLICK	X	X	X	X	X
		SIL-TEC	-	-	-	-	-
		Stainless	-	-	-	-	-
		Steel	X	X	X	X	X
Recommended shift lever outer casing		OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)		-	-	-	-	-	-
Note							

Shifter

Series		CUES	
Model no.		SL-U4000-L	
Color	1	Series color	
	2	-	
	3	-	
Shifter type		RAPIDFIRE PLUS MONO	
Front speeds		2	
Rear speeds		-	
Compatible rear derailleur type		-	
Mount type	Clamp band	X	
	I-SPEC B	-	
	I-SPEC II	-	
	I-SPEC EV	-	
Shift lever position adjust		-	
Shift lever rotation adjust (non I-SPEC EV)		-	
Shift lever cable adjust		X	
Front 2/3 mode converter		-	
Max. multiple shifts (main lever/rear)		-	
Release function	MULTI RELEASE	-	
	INSTANT RELEASE	-	
	2-WAY RELEASE	-	
	Adjustable lever	-	
OPTICAL GEAR DISPLAY	With	X	
	With (removable)	-	
	Without	-	
Multi-bearing construction		-	
Shift lever bracket	Material	Aluminum	
	Finish	painted	
Clamp screw	Material	steel	
	Finish	plated	
Main lever body	Material	Steel+GFRP	
	Finish	-	
Release lever body	Material	-	
	Finish	-	
Base cover	Material	Resin	
	Finish	-	
Shift lever cable	Inner cable	Polymer-coated cable	-
		OPTISLICK	X
		SIL-TEC	-
		Stainless	-
		Steel	X
Recommended shift lever outer casing		OT-SP41	
Average weight (g)		-	
Note			

Brake Lever (Hydraulic Disc Brake)

Series		CUES	SHIMANO
Model no.		BL-U8000	BL-UR405
Brake type		Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3
Color	1	Series color	Black
	2	-	-
	3	-	-
Brake hose (kit)		SM-BH90	SM-BH59-JK-SS
Hose joint		Straight	Straight
Brake hose color (kit)	1	Black	Black
	2	-	-
J-Kit spec (for OEM)		X	X
SERVO WAVE		-	-
Reach adjust	Toolless	X	-
	Tool	-	X
Free stroke adjust		-	-
Compatible shifter mount	Clamp band	X	X
	I-SPEC B	-	-
	I-SPEC II	X	-
Clamp band	Open clamp	X	-
Recommended brake caliper		BR-U8000, BR-U8020	BR-MT410
Oil		SHIMANO mineral	SHIMANO mineral
Funnel bleeding		X	X
Clamp screw	Material	Stainless steel	Steel
	Finish	Painted	Plated
Brake lever	Material	Aluminum	Steel
	Finish	Anodized	Painted
Master cylinder	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Average weight (g)		110	-
Note			SHORT REACH

Brake (Hydraulic Disc Brake)

Series		CUES	CUES	SHIMANO
Model no.		BR-U8000	BR-U8020	BR-UR300
Color	1	Series color	Series color	Black
	2	-	-	-
	3	-	-	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH90-SBM	SM-BH90-SBM	SM-BH59-JK-SS
J-Kit spec (for OEM)		X	X	X
Hose joint		Banjo	Banjo	Straight
Brake hose color (kit)	1	Black	Black	Black
	2	-	-	-
ICE TECHNOLOGIES pad compatible caliper		X	X	-
Pad	Standard 1	G05A-RX Resin (w/o fin)	N03A-RF Resin (w/ fin)	B05S-RX Resin (w/o fin)
	Standard 2	-	D03S-RX Resin (w/o fin)	-
	Option 1	G04S-MX Metal (w/o fin)	N04C-MF Metal (w/ fin)	-
	Option 2	J05A-RF Resin (w/ fin)	D02S-MX Metal (w/o fin)	-
Fixing screw spec for rear mount	10 mm mount	-	-	X
	15 mm mount	-	-	X
	20 mm mount	-	-	X
	25 mm mount	-	-	X
	30 mm mount	-	-	X
	35 mm mount	-	-	X
	15.2 mm	-	-	-
18.7 mm	X	X	-	
Recommended brake lever		BL-U8000	BL-U8000	BL-MT201 BL-MT200
Recommended disc brake rotor		RT-MT800	RT-MT800	SM-RT10 *, SM-RT26 *
Compatible rotor size	140 mm (SS)	X	X	-
	160 mm (S)	X	X	X
	180 mm (M)	X	X	X
	203 mm (L)	X	X	-
	220 mm (LL)	X	X	-
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		X	-	X
Mount type		Post type	Post type	Flat mount
Piston		2	4	2
Piston material		Ceramic	Ceramic	Resin
Caliper	MONO-BODY	-	-	-
	Material	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted
Caliper fixing screw	Material	Steel	Steel	Steel
	Tool size	5 mm	5 mm	5 mm
	Anti loosen method	Snap ring	Snap ring	Screw fix pin+Snap ring
Pad mount		Pad axle	Pad axle	Split pin
Average weight (g)		107	117	-
Average weight (g) (kit for front 800 mm, w/ pad (Standard 1), w/o adapter, w/ 2 screws)		-	-	-
Note				* Only compatible with resin pad

Rear Derailleur

Series		CUES	CUES
Model no.		RD-U4020	RD-U3020
Color	1	Series color	Series color
	2	-	-
Rear speeds		9	9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD	X	X
	SHIMANO SHADOW RD+	-	-
	Double servo	-	-
Mount	Direct attachment (conventional)	X	X
	Direct mount	-	-
	Riveted adapter (ROAD type)	-	-
	Riveted adapter (BMX-track type)	-	-
Mode converter		-	-
Cable adjuster		X	X
Max. front difference		16T	16T
Total capacity		41T	41T
Low sprocket	Max.	36T	36T
	Min.	36T	36T
Top sprocket	Max.	11T	11T
	Min.	11T	11T
Fluoric coated link bushings		1	-
Pulley	Guide pulley bearing	-	-
	Tension pulley bearing	-	-
	Teeth	11/11T	11/11T
	Screws material	Steel	Steel
	Sunken type pulley screw	X	X
Bracket	Material	-	-
	Finish	-	-
B-axle	Hollow axle	-	-
	Material	Stainless steel	Stainless steel
	Finish	-	-
B-axle 2	Hollow axle	-	-
	Material	-	-
	Finish	-	-
Bracket body	Material	Aluminum	Aluminum
	Finish	Painted	Painted
P-axle	Material	Steel	Steel
	Finish	-	-
Plate body	Material	PA+GF	PA+GF
	Finish	-	-
Outer link	Material	PA+GF	PA+GF
	Finish	-	-
Inner link	Material	PA+GF	PA+GF
	Finish	-	-
Outer plate	Material	Steel	Steel
	Finish	Painted	Painted
Inner plate	Material	Steel	Steel
	Finish	Painted	Painted
Cable fixing screw	Material	Stainless steel	Stainless steel
	Finish	-	-
Stroke adjusting screw	Material	Steel	Steel
	Finish	Plated	Plated
Average weight (g)		-	-
Note		E-bike rated	

Front Derailleur

Series		CUES	CUES	CUES	CUES	CUES	CUES	
Model no.		FD-U8010-L	FD-U6000-D	FD-U6000-E	FD-U6000-M	FD-U6010-L	FD-U4000-D	
Color	1	Series color	Series color	Series color	Series color	Series color	Series color	
	2	-	-	-	-	-	-	
Front speeds		2	2	2	2	2	2	
Rear speeds		11/10	11/10	11/10	11/10	11/10	10/9	
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	
Action	TOP SWING	X	-	-	-	X	-	
	Down swing	-	-	-	-	-	-	
	SIDE SWING	-	X	X	X	-	X	
Mount	Clamp band (mm)	28.6	-	-	-	X (w/ S size adapter)	-	
		31.8	X (w/ M size adapter)	-	-	X (w/ M size adapter)	X (w/ M size adapter)	
		34.9	X	-	-	X	X	
	E-type	With bottom bracket plate	-	-	-	-	-	-
		Without bottom bracket plate	-	-	X	-	-	-
	Direct mount	-	X	-	-	-	X	
	Brazed-on	-	-	-	-	-	-	
Cable adjust		-	-	-	-	-	-	
Cable route type	Dual-pull	X	-	-	-	X	-	
	Top-pull exclusive	-	-	-	-	-	-	
	Down-pull exclusive	-	-	-	-	-	-	
	Front-pull	-	X	X	X	-	X	
Chain line (mm)		48.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8	48.8/51.8	
Chainstay angle (deg.)		63-68	64-69	64-69	64-69	63-68	64-69	
Top gear teeth		46T	36T, 40T	36T, 40T	36T, 40T	40T (2x11-speed), 46T (2x11/2x10-speed)	36T, 40T	
Total capacity		16T	14T	14T	14T	16T	14T	
Applicable top-mid tooth difference		-	-	-	-	-	-	
Multi access cable fixing screw		-	-	-	-	-	-	
Angled stroke adjust screw		X	X	X	X	X	X	
Angled clamp band design		X	-	-	X	X	-	
Multi-bearing construction		-	-	-	-	-	-	
Link bushings		4	4	4	4	4	4	
Front clamp band	Material	Aluminum	-	-	Steel	Aluminum	-	
	Finish	Painted	-	-	Painted	Painted	-	
Rear clamp band, base bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	
Clamp screw	Material	Stainless steel	-	-	Stainless steel	Stainless steel	-	
	Finish	-	-	-	-	-	-	
Bottom bracket plate	Material	-	-	-	-	-	-	
	Finish	-	-	-	-	-	-	
Outer link	Material	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	
Inner link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	
Chain guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Plated	Plated	Plated	Plated	Plated	Plated	
Cable fixing screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Finish	-	-	-	-	-	-	
Stroke adjusting screw	Material	Stainless steel	Steel	Steel	Steel	Stainless steel	Steel	
	Finish	-	Phosphate coated	Phosphate coated	Phosphate coated	-	Phosphate coated	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-	
Note		-	-	-	-	-	-	

Front Derailleur

Series		CUES	CUES	CUES	CUES	
Model no.		FD-U4000-E	FD-U4000-M	FD-U4000-L	FD-U4010-L	
Color	1	Series color	Series color	Series color	Series color	
	2	-	-	-	-	
Front speeds		2	2	2	2	
Rear speeds		10/9	10/9	10/9	9	
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	
Action	TOP SWING	-	-	X	X	
	Down swing	-	-	-	-	
	SIDE SWING	X	X	-	-	
Mount	Clamp band (mm)	28.6	-	-	-	
		31.8	-	X (w/ M size adapter)	X (w/ M size adapter)	X (w/ M size adapter)
		34.9	-	X	X	X
	E-type	With bottom bracket plate	-	-	-	-
		Without bottom bracket plate	X	-	-	-
	Direct mount	-	-	-	-	
	Brazed-on	-	-	-	-	
Cable adjust		-	-	-	-	
Cable route type	Dual-pull	-	-	X	X	
	Top-pull exclusive	-	-	-	-	
	Down-pull exclusive	-	-	-	-	
	Front-pull	X	X	-	-	
Chain line (mm)		48.8/51.8	48.8/51.8	48.8/51.8	48.8	
Chainstay angle (deg.)		64-69	64-69	64-69	63-68	
Top gear teeth		36T, 40T	36T, 40T	36T, 40T	46T	
Total capacity		14T	14T	14T	16T	
Applicable top-mid tooth difference		-	-	-	-	
Multi access cable fixing screw		-	-	-	-	
Angled stroke adjust screw		X	X	X	X	
Angled clamp band design		-	X	X	X	
Multi-bearing construction		-	-	-	-	
Link bushings		4	4	-	-	
Front clamp band	Material	-	Steel	Steel	Steel	
	Finish	-	Painted	Painted	Painted	
Rear clamp band, base bracket	Material	Aluminum	Aluminum	Steel	Steel	
	Finish	Painted	Painted	Painted	Painted	
Clamp screw	Material	-	Steel	Steel	Stainless steel	
	Finish	-	-	Nickel plated	-	
Bottom bracket plate	Material	-	-	-	-	
	Finish	-	-	-	-	
Outer link	Material	Steel	Steel	Steel	Steel	
	Finish	Painted	Painted	Plated	Plated	
Inner link	Material	Aluminum	Aluminum	Steel	Steel	
	Finish	Painted	Painted	Painted	Painted	
Chain guide	Material	Steel	Steel	Steel	Steel	
	Finish	Plated	Plated	Plated	Plated	
Cable fixing screw	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Finish	-	-	-	-	
Stroke adjusting screw	Material	Steel	Steel	Steel	Stainless steel	
	Finish	Phosphate coated	Phosphate coated	Zinc plated	-	
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	
Note		-	-	-	-	

Crankset

Series		CUES	CUES	CUES	CUES	CUES	CUES
Model 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	-	-	-	-	-	-
Rear speeds		11	11/10/9	11/10/9 (36-22T), 10/9 (46-30T)	11/10/9	11	11/10/9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		48.8	50	48.8	51.8	48.8	52 (30T, 32T), 50 (40T, 42T)
O.L.D._Thru (mm)		142	142	142	148	142	148, 142 (30T, 32T), 142 (40T, 42T)
O.L.D._QR/Nut (mm)		135	135	135	141	135	141, 135 (30T, 32T), 135 (40T, 42T)
P.C.D. (mm)		96	96	96 (36-22T), 110 (46-30T)	96	110	96 (30T, 32T), 110 (40T, 42T)
Spider/gear arms		4	4	4	4	4	4
Chaining combination		46-32T	40T, 42T	36-22T, 46-30T	36-22T	46-32T	30T, 32T, 40T, 42T
Q-factor (mm)		180	180	180	180	180	180
Crank arm length (mm)	160	-	-	-	-	-	-
	165	-	-	-	-	-	-
	167.5	-	-	-	-	-	-
	170	X	X	X	X	X	X
	172.5	-	-	-	-	-	-
	175	X	X	X	X	X	X
	177.5	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-
	With chain guard	X	X	X (46-30T)	-	X	X (40T, 42T)
	Without chain/bash guard	X	X	X	X	X	X
HOLLOWTECH II		X	X	-	-	X	-
2-PIECE CRANKSET		-	-	X	X	-	X
HOLLOWTECH crank arm		-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible bottom bracket type	Outboard	X	X	X	X	X	X
	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	-	-
Recommended bottom bracket	Threaded (normal)	BB-MT801	BB-MT801	BB-MT501	BB-MT501	BB-MT501	BB-MT501
	Threaded (E-type)	-	-	-	-	-	-
	Threaded (chain 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)		-	-	-	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X	X
	70	-	-	-	-	-	-
	73	X	X	X	X	X	X
	83	-	-	-	-	-	-
Chain case compatible		X	X	X (46-30T)	-	X	X (40T, 42T)
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Spider arm cover	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum	Steel	Steel	Aluminum	Steel
	Finish	Anodized	Anodized	Painted	Painted	Anodized	Painted
Middle ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Inner ring	Material	Aluminum	-	Steel	Steel	Steel	-
	Finish	Anodized	-	Painted	Painted	Painted	-
Outer/middle ring fixing bolt	Material	Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish	Anodized	Anodized	-	-	-	-
Inner ring fixing screw	Material	-	-	Stainless steel	Stainless steel	Stainless steel	-
	Finish	-	-	-	-	-	-
Stainless chain guard fixing screw		X	X	-	-	X	X
Crank fixing screw included		X	X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-
Note							

Crankset

Series		CUES	CUES	CUES	CUES	CUES
Model no.		FC-U4000-2	FC-U4000-2B	FC-U4010-2	FC-U4010-2B	FC-U4000-1
Color	1	Series color	Series color	Series color	Series color	Series color
	2	-	-	-	-	-
Rear speeds		11/10/9	11/10/9	11/10/9 (36-22T, 40-26T), 10/9 (46-30T)	11/10/9	11/10/9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		48.8	51.8	48.8	51.8	52 (30T, 32T), 50 (40T, 42T)
O.L.D._Thru (mm)		142	148	142	148	148, 142 (30T, 32T), 142 (40T, 42T)
O.L.D._QR/Nut (mm)		135	141	135	141	141, 135 (30T, 32T), 135 (40T, 42T)
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4	4
Chainring combination		36-22T, 40-26T	36-22T	36-22T, 40-26T, 46-30T	36-22T	30T, 32T, 40T, 42T
Q-factor (mm)		178	178	180	180	178
Crank arm length (mm)	160	-	-	-	-	-
	165	-	-	-	-	-
	167.5	-	-	-	-	-
	170	X	X	X	X	X
	172.5	-	-	-	-	-
	175	X	X	X	X	X
	177.5	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-
	With chain guard	X (40-26T)	-	X (40-26T, 46-30T)	-	X (40T, 42T)
	Without chain/bash guard	X	X	X	X	X
HOLLOWTECH II		-	-	-	-	-
2-PIECE CRANKSET		-	-	X	X	-
HOLLOWTECH crank arm		-	-	-	-	-
OCTALINK		-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-
Compatible bottom bracket type	Outboard	-	-	X	X	-
	OCTALINK	-	-	-	-	-
	Square	X	X	-	-	X
Recommended bottom bracket	Threaded (normal)	BB-UN101	BB-UN101	BB-MT501	BB-MT501	BB-UN101
	Threaded (E-type)	-	-	-	-	-
	Threaded (chain case)	-	-	BB-MT501	-	-
	Press-Fit	-	-	BB-MT500-PA	BB-MT500-PA	-
Axle length of BB-UN/ES (mm)		LL123	LL123	-	-	LL123
Threaded bottom bracket shell width (mm)	68	X	X	X	X	X
	70	-	-	-	-	-
	73	X	X	X	X	X
	83	-	-	-	-	-
Chain case compatible		-	-	X (46-30T)	-	X (40T, 42T)
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated
Spider arm	Material	-	-	-	-	Aluminum
	Finish	-	-	-	-	Painted
Spider arm cover	Material	-	-	-	-	-
	Finish	-	-	-	-	-
Outer ring	Material	Steel	Steel	Steel	Steel	Steel
	Finish	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	Material	-	-	-	-	-
	Finish	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	X
Crank fixing screw included		X	X	X	X	X
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-
Note						

Bottom Bracket (HOLLOWTECH II)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		BB-MT801	BB-MT501	BB-UR400
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	X	X	X
	Press-Fit type	-	-	-
Threaded bottom bracket shell width (mm)	68	X	X	X
	73	X	X	-
	83	-	-	-
Press-Fit bottom bracket shell width (mm)	84.5	-	-	-
	89.5	-	-	-
	92	-	-	-
	104.5	-	-	-
	107	-	-	-
Small ball bearing		-	-	-
Adapter	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted
Spacer	Material	Aluminum	Resin	Resin
	Finish	-	-	-
Average weight (g)		84	-	-
Note				Not compatible for E-type FD with BB plate

Front Hub (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		HB-QC400	HB-QC300	HB-TC500-15	HB-TC500-15-B
Color	1 Hub shell	Black	Black	Black	Black
	1 Quick release	Black	Black	-	-
	2 Hub shell	-	-	-	-
	2 Quick release	-	-	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
O.L.D. (mm)		100	100	100	110
Spoke hole	28H	-	X	X	X
	32H	X	X	X	X
	36H	X	X	X	X
External serration disc brake rotor lock ring	With	-	-	-	-
	Without	X	X	X	X
CENTER LOCK mount cover option		X	X	-	-
Axle fixing method		Quick release	Quick release	15 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	129	-	X	-	-
	133	X	X	-	-
Thru axle (length x inner diameter ; mm)	100 x 15	-	-	X	-
	110 x 15	-	-	-	X
	110 x 20	-	-	-	-
Flange distance (mm)		60.2	60.2	60.2	70.2
Offset (mm)		5.3	5.3	5.3	5.3
P.C.D. left / right (mm)		44/44	44/44	44/44	44/44
Flange diameter left / right (mm)		52.8	52.8 (32H/36H), 53.8 (28H)	52.8	52.8
Seal		Contact	Contact	Labyrinth & Contact	Labyrinth & Contact
Internal grease sleeve		-	-	-	-
Bearing	Stainless ball	-	-	-	-
	Cup	-	-	-	-
	Cone	-	-	-	-
	Cartridge	X	-	X	X
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Anodized	Anodized
Axle	Material	Steel	Steel	-	-
	Finish	-	-	-	-
Quick release lever	Material	Aluminum	Steel	-	-
	Finish	Plated	Plated	-	-
Quick release housing	Material	Steel	Steel	-	-
	Finish	Plated	Plated	-	-
Quick release nut	Material	Resin & Steel	Resin & Steel	-	-
	Finish	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-
	Finish	-	-	-	-
Average weight (g)		-	-	-	-
Note					

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		FH-QB400-HM	FH-QC400-HM	FH-QC400-HM-B	FH-QC300-HM	FH-TC600-HM-B	FH-TC500-HM
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	-	-
	2 Hub shell	-	-	-	-	-	-
	2 Quick release	-	-	-	-	-	-
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
Rear speeds		11/10/9/8	11/10/9/8	11/10/9/8	11-8	11/10/9/8	11/10/9/8
O.L.D. (mm)		135	135	141	135	148	142
Spoke hole	24H	-	-	-	-	-	-
	28H	-	-	-	-	X	X
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
10 tooth cog compatible		-	-	-	-	-	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	X	X	X	X	X
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	X	X	X	X	X	X
CENTER LOCK mount cover option		-	X	-	X	-	-
Axle fixing method		Quick release	Quick release	Quick release	Quick release	12 mm E-THRU	12 mm E-THRU
Quick release skewer length (mm)	166	-	-	-	X	-	-
	168	X	X	-	-	-	-
	170	-	-	-	X	-	-
	172	-	-	-	-	-	-
	173	X	X	-	-	-	-
	174	-	-	X	-	-	-
	176	-	-	-	-	-	-
	178	-	-	X	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	X
	148 x 12	-	-	-	-	X	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange distance (mm)		TBD	55.45	61.45	55.45	61.1	55.45
Offset (mm)		TBD	7.6	7.6	7.6	7.19	7.6
P.C.D. left / right (mm)		TBD	45/45	45	45/45	60/61	50.5/51.5
Flange diameter left / right (mm)		TBD	53.8/53.8	53.8	53.8	68.8/69.8	59.3/60.3
Spline type	MICRO SPLINE	-	-	-	-	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-	-	-	-	-
	HG spline L (ROAD 12/11-speed)	-	-	-	-	-	-
	HG spline M (10/9/8-speed, MTB 11-speed)	X	X	X	X	X	X
	HG spline S (7-speed)	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		-	-	-	-	X (36 times/360 deg.)	-
Seal	Hub	Contact	Contact	Contact	Contact	Labyrinth+Contact	Labyrinth+Contact
	FREEHUB body	-	-	-	-	Contact	Contact
Internal grease sleeve		-	-	-	-	-	-
Digital adjustment system		-	-	-	-	-	-
Bearing	Stainless ball	-	-	-	-	-	-
	Cup	-	-	-	-	-	-
	Cone	-	-	-	-	-	-
	Cartridge	X	X	X	-	X	X
FREEHUB body	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	-	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Anodized	Anodized
Axle	Material	Steel	Steel	Steel	Steel	Aluminum	Steel
	Finish	-	-	-	-	-	-
Quick release lever	Material	Aluminum	Aluminum	Aluminum	Steel	-	-
	Finish	Plated	Plated	Plated	Plated	-	-
	Color	Black	Black	Black	Black	-	-
Quick release housing	Material	Steel	Steel	Steel	Steel	-	-
	Finish	Plated	Plated	Plated	Plated	-	-
Quick release nut	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	-	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Note							
Note							* Used with an additional spacer.

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO
Model no.		FH-TC500-HM-B	FH-UR600
Color	1 Hub shell	Black	Black
	1 Quick release	-	Black
	2 Hub shell	-	-
	2 Quick release	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		11/10/9/8	11/10 *
O.L.D. (mm)		148	135
Spoke hole	24H	-	-
	28H	X	-
	32H	X	X
	36H	X	X
10 tooth cog compatible		-	-
External serration disc brake rotor lock ring	With	-	-
	Without	X	X
Internal serration disc brake rotor lock ring	With	-	-
	Without	X	X
CENTER LOCK mount cover option		-	X
Axle fixing method		12 mm E-THRU	Quick release
Quick release skewer length (mm)	166	-	-
	168	-	X
	170	-	-
	172	-	-
	173	-	X
	174	-	-
	176	-	-
	178	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-
	135 x 12	-	-
	142 x 12	-	-
	148 x 12	X	-
	150 x 12	-	-
	157 x 12	-	-
Flange distance (mm)		61.45	55.7
Offset (mm)		7.6	7.45
P.C.D. left / right (mm)		50.5/51.5	44.6/44.6
Flange diameter left / right (mm)		59.3/60.3	53.5/53.8
Spline type	MICRO SPLINE	-	-
	HG spline L2 (ROAD 12-speed dedicated)	-	-
	HG spline L (ROAD 12/11-speed)	-	X
	HG spline M (10/9/8-speed, MTB 11-speed)	X	-
	HG spline S (7-speed)	-	-
Engagement type		Pawl ratchet	Pawl ratchet
Quick engagement		-	-
Seal	Hub	Labyrinth+Contact	Contact
	FREEHUB body	Contact	Contact
Internal grease sleeve		-	X
Digital adjustment system		-	-
Bearing	Stainless ball	-	-
	Cup	-	Polish
	Cone	-	CBN
	Cartridge	X	-
FREEHUB body	Material	Steel	Steel
	Finish	-	-
Hub shell	Material	Aluminum	Aluminum
	Finish	Anodized	Anodized
Axle	Material	Steel	Steel
	Finish	-	-
Quick release lever	Material	-	Aluminum
	Finish	-	Anodized
	Color	-	-
Quick release housing	Material	-	Aluminum
	Finish	-	Anodized
Quick release nut	Material	-	Steel+Resin
	Finish	-	Black
Disc brake rotor lock ring	Material	-	-
	Finish	-	-
Note			* Used with an additional spacer.
Note			

Di2 spec. Rear Derailleur

Series		CUES	CUES	
Model no.		RD-U6070	RD-U6050	
Color	1	Series color	Series color	
	2	-	-	
Rear speeds		11	10	
RD construction	SHIMANO SHADOW RD	X	X	
	SHIMANO SHADOW RD+	-	-	
	Double servo	-	-	
Mount	Direct attachment (conventional)	X	X	
	Direct mount	-	-	
	Riveted adapter (ROAD type)	-	-	
	Riveted adapter (BMX-track type)	-	-	
Max. front difference		Single	Single	
Total capacity		39T	32T	
Low sprocket	Max.	50T	43T	
	Min.	50T	43T	
Top sprocket	Max.	11T	11T	
	Min.	11T	11T	
Fluoric coated link bushings		2	2	
Pulley	Guide pulley bearing	-	-	
	Tension pulley bearing	-	-	
	Teeth	11T	11T	
	Screws material	Stainless steel	Stainless steel	
	Sunken type pulley screw	X	X	
Bracket	Material	Steel	Steel	
	Finish	Painted	Painted	
B-axle	Hollow axle	X	X	
	Material	Stainless steel	Stainless steel	
B-axle 2	Material	Stainless steel	Stainless steel	
	Finish	Painted	Painted	
Bracket body	Material	Aluminum	Aluminum	
	Finish	Painted	Painted	
P-axle	Material	Steel	Steel	
	Finish	Plated	Plated	
Plate body	Material	PA+GF	PA+GF	
	Finish	-	-	
Outer link	Material	PA+GF	PA+GF	
	Finish	Painted	Painted	
Inner link	Material	Steel	Steel	
	Finish	Painted	Painted	
Outer plate	Material	Steel	Steel	
	Finish	Painted	Painted	
Inner plate	Material	Steel	Steel	
	Finish	Painted	Painted	
Stroke adjusting screw	Material	Steel	Steel	
	Finish	Plated	Plated	
Di2 connectivity wired	Di2 shifting	X	X	
Di2 connectivity wireless	Di2 shifting		-	-
	Bluetooth® LE ANT+	Cycling power	-	-
		Bicycle power	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	-	-
		Di2 battery level	-	-
		Gear position	-	-
		SHIMANO STEPS data items (*3)	-	-
		Compatible with E-TUBE RIDE	-	-
	ANT private (*2)	Compatible with E-TUBE PROJECT	-	-
		Adjust mode information	-	-
		Di2 battery level	-	-
		Gear position	-	-
	SHIMANO STEPS data items (*3)		-	-
Firmware update by E-TUBE PROJECT		X	X	
SD50 port (pcs)		0	0	
SD300 port (pcs)		1	1	
SD50 connector (pcs)		0	0	
SD300 connector (pcs)		0	0	
LED for system status		X	X	
Charging port		-	-	
Charging cable		-	-	
Average weight (g)		454	449	
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 STEPS bike.				