

Technical Documents for CUES

Line-up chart (in English only)

Specifications (in English only)

Compatibility (in English only)

This document is an excerpt from publicly available related materials.

For models not included here, please refer to the latest version of the Technical Documents.

<https://productinfo.shimano.com/>

Line-up chart (in English only)

CUES U8000

2x11-speed

1x11-speed

CUES U6000 for Flat Handlebar

2x11-speed

1x11-speed

2x10-speed

1x10-speed

CUES U6000 for Drop Handlebar

1x11/10-speed

2x10-speed

CUES U6000 for Drop Handlebar Mechanical Brake spec.

2x10-speed

1x10-speed

CUES U6000 Polished Silver Edition

For Flat Handlebar 1x10-speed

For Drop Handlebar 1x10-speed

CUES U6060 for Di2 Automatic Shift

1x11/10-speed

CUES U4000 for Flat Handlebar

2x9-speed

1x9-speed

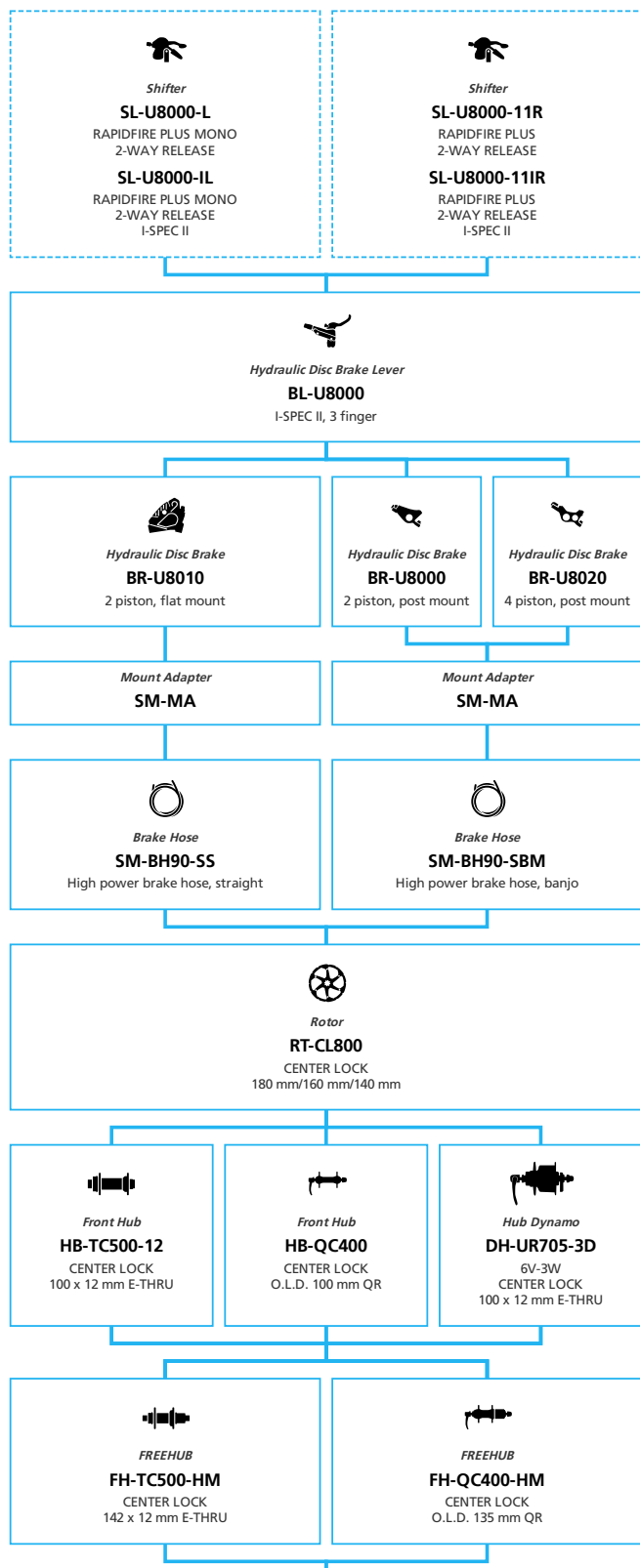
CUES U4000 for Drop Handlebar

2x9-speed

1x9-speed

SHIMANO CUES U8000 2x11-speed

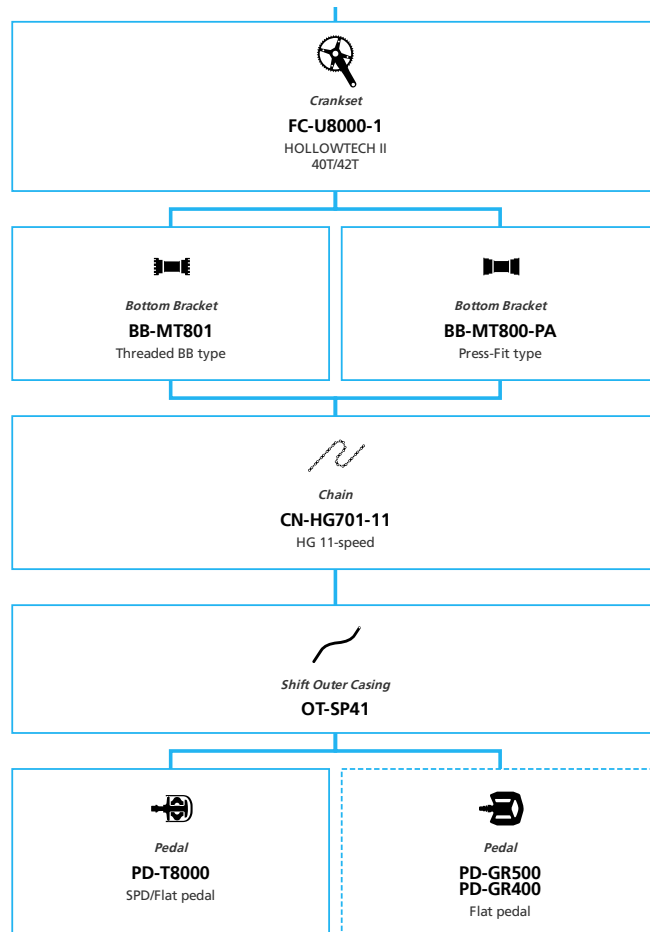
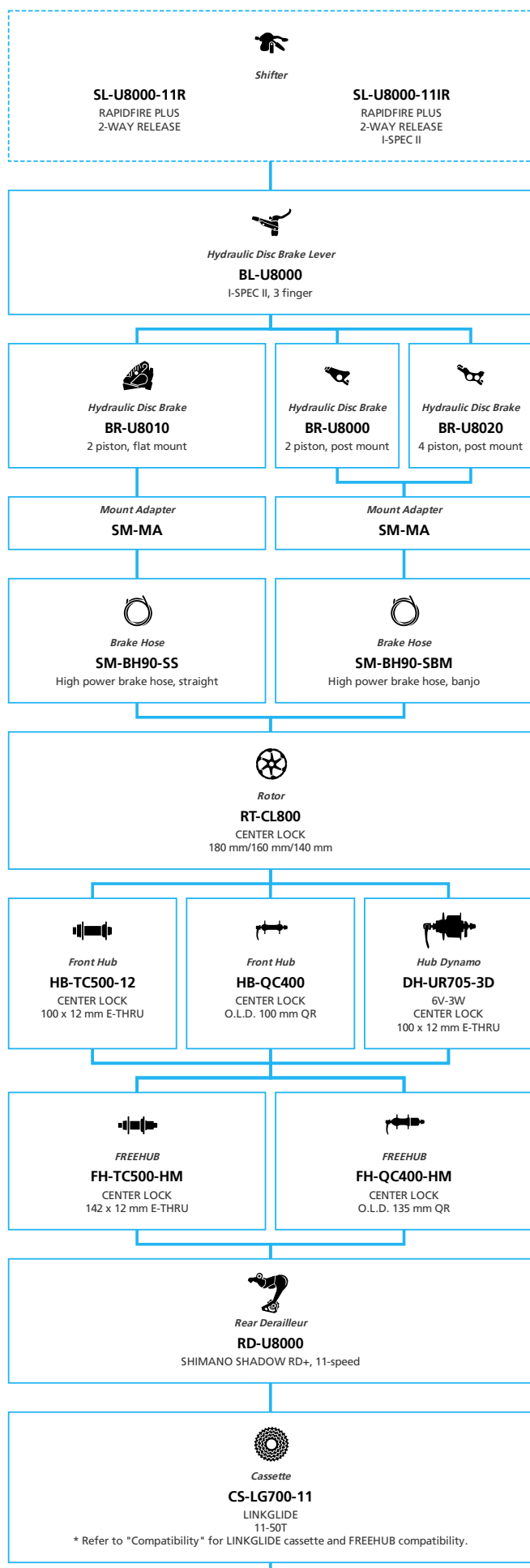
 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



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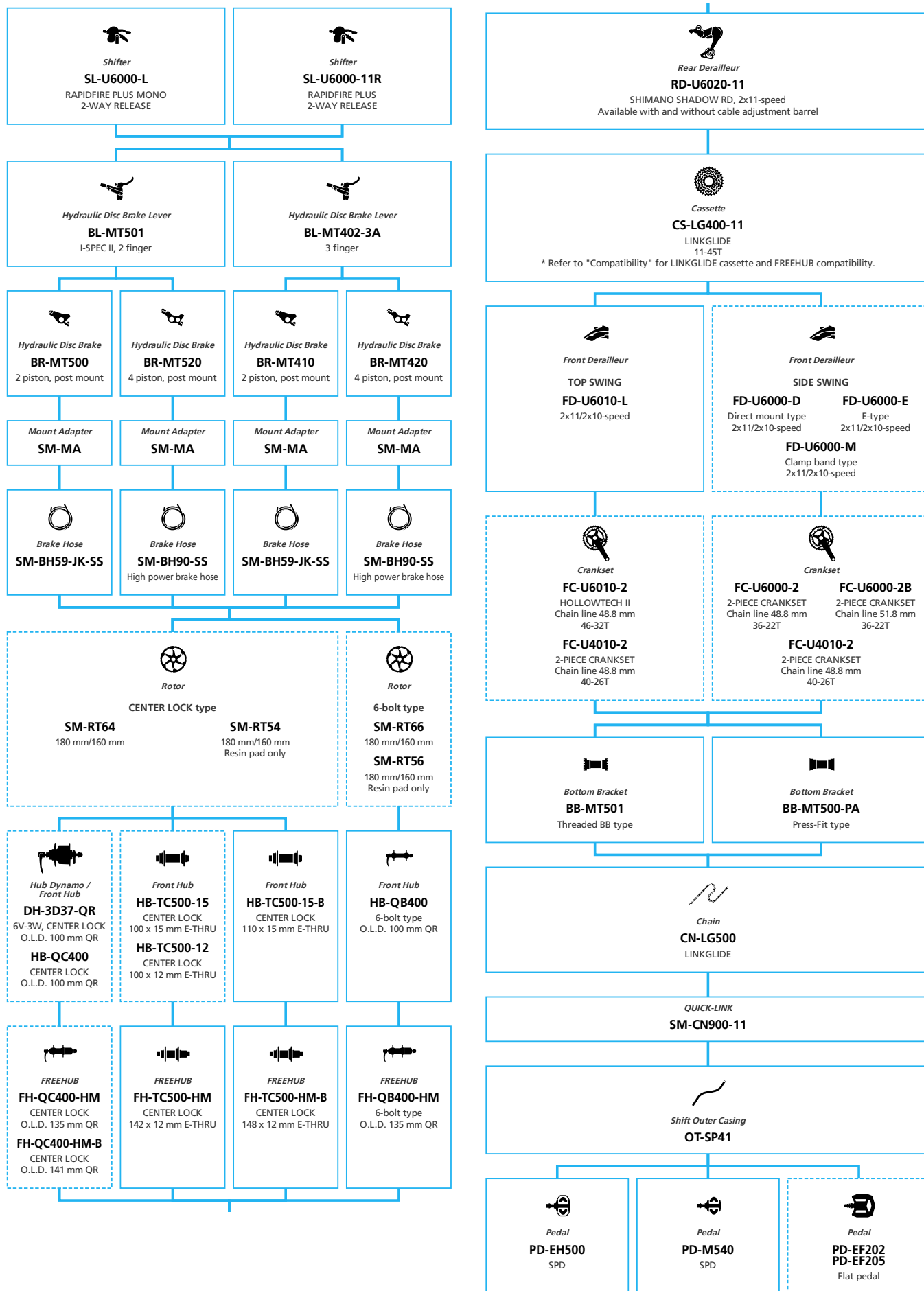
CUES U8000 1x11-speed

■ ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



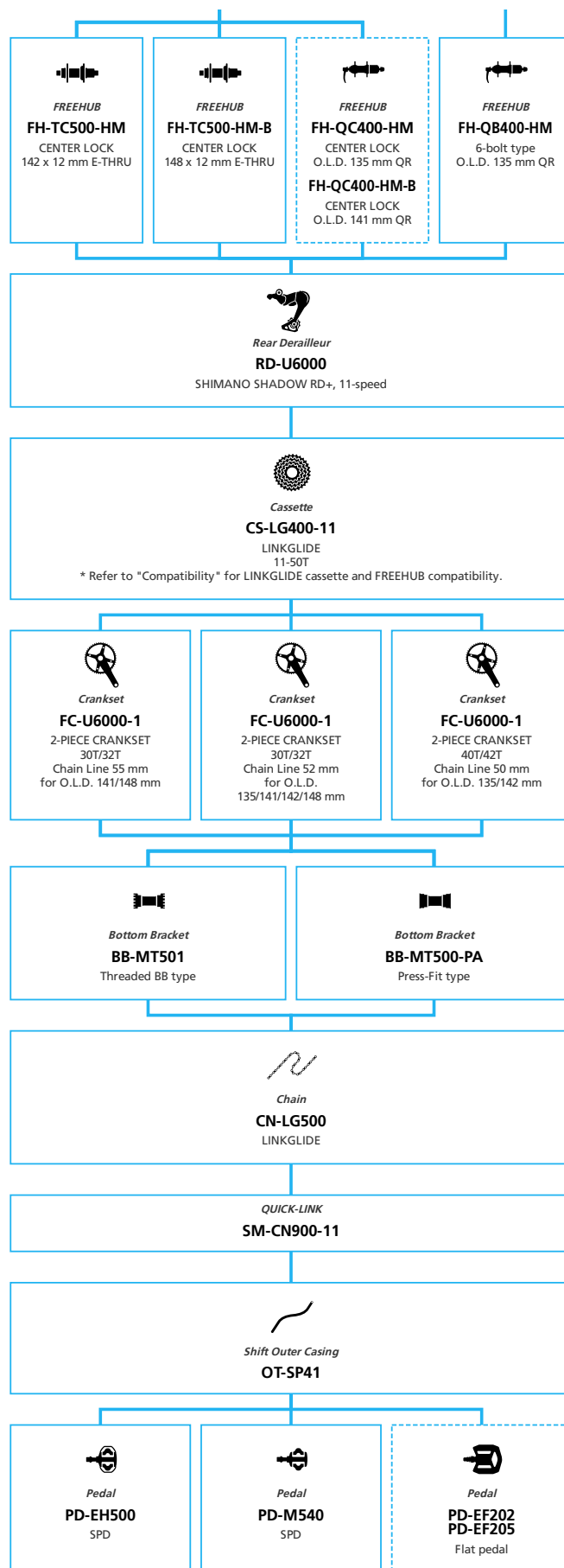
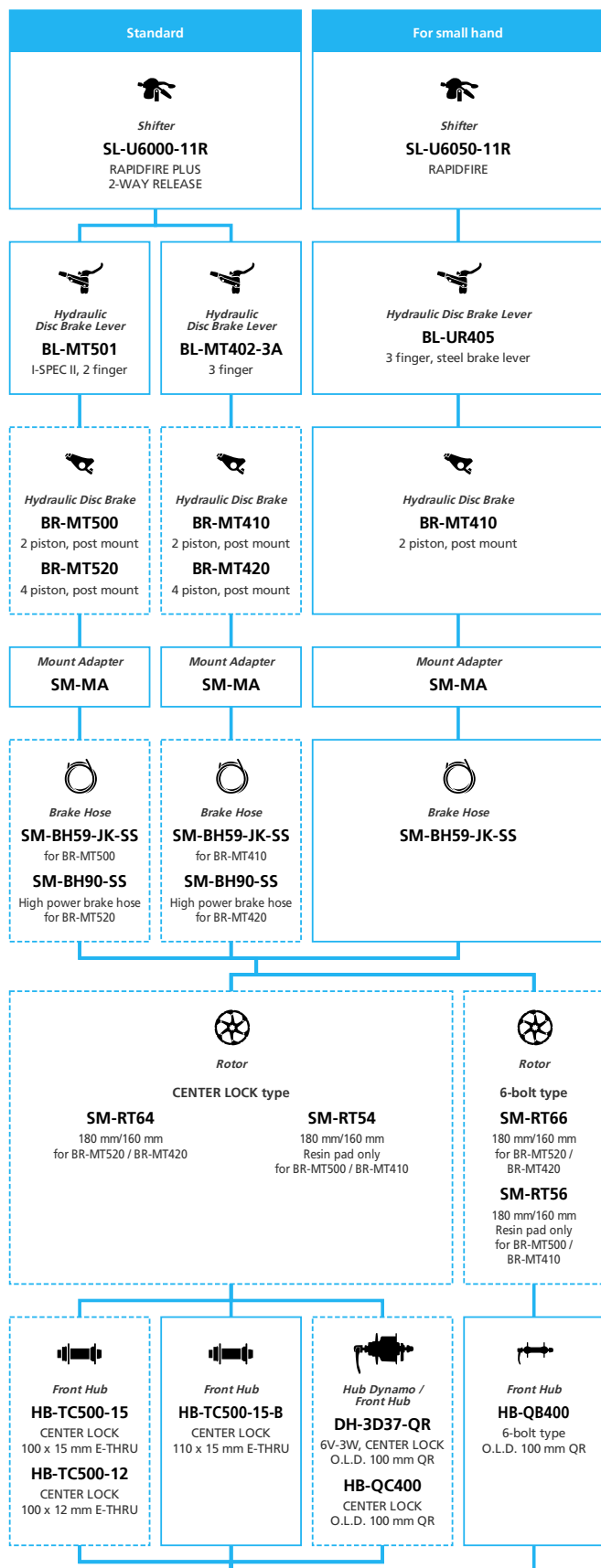
SHIMANO **CUES** U6000 for Flat Handlebar 2x11-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



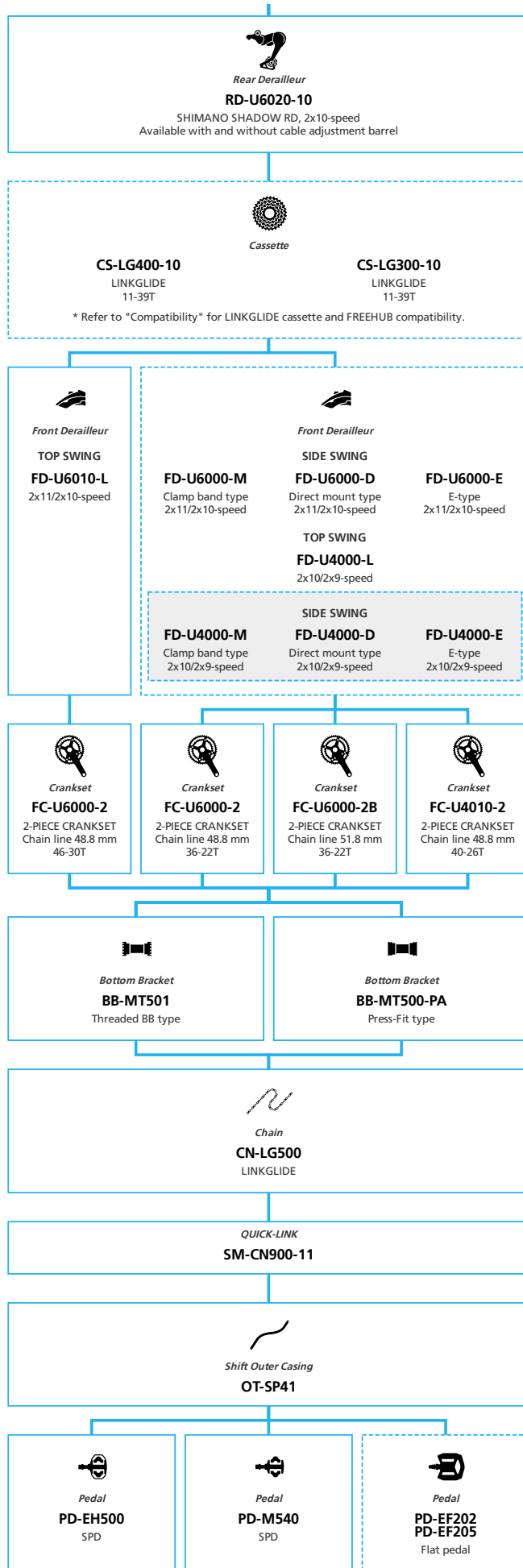
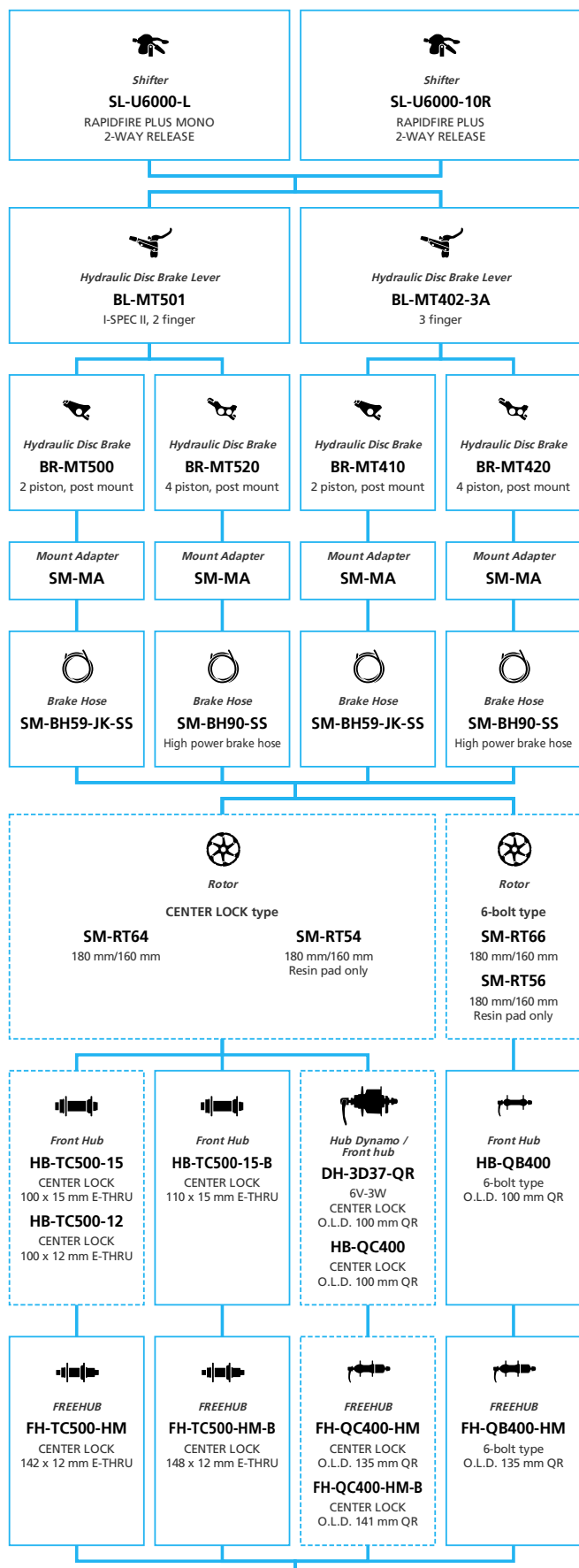
SHIMANO **CUES** U6000 for Flat Handlebar 1x11-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



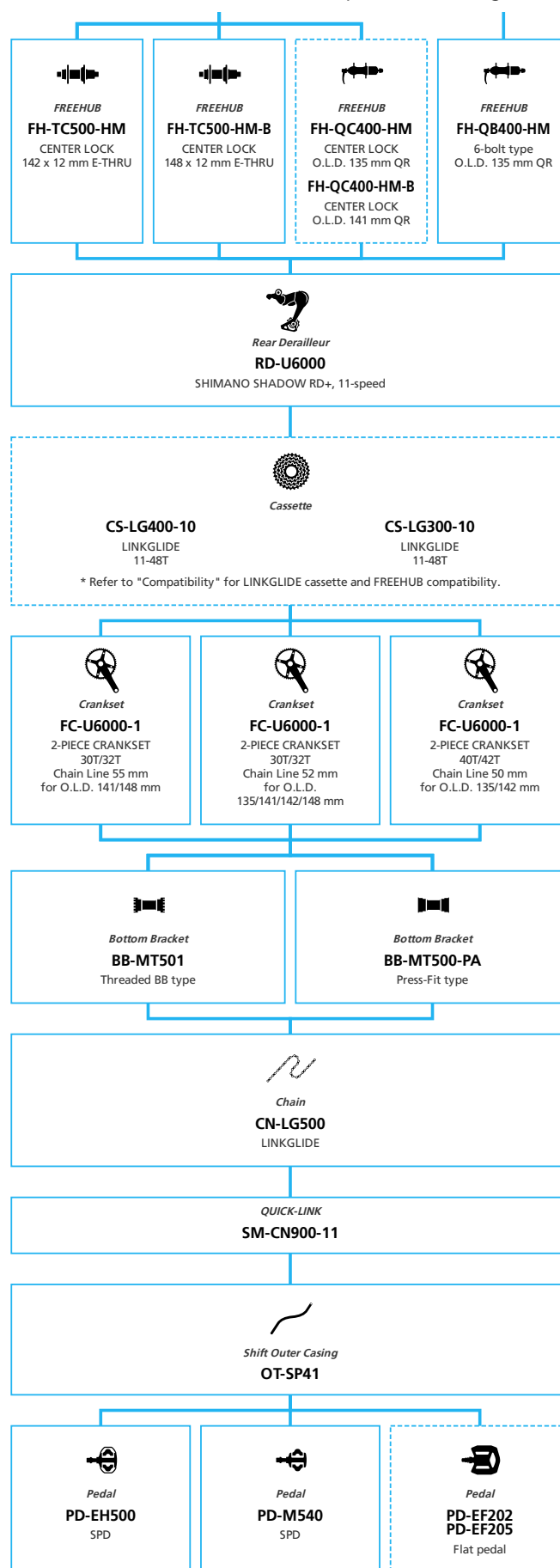
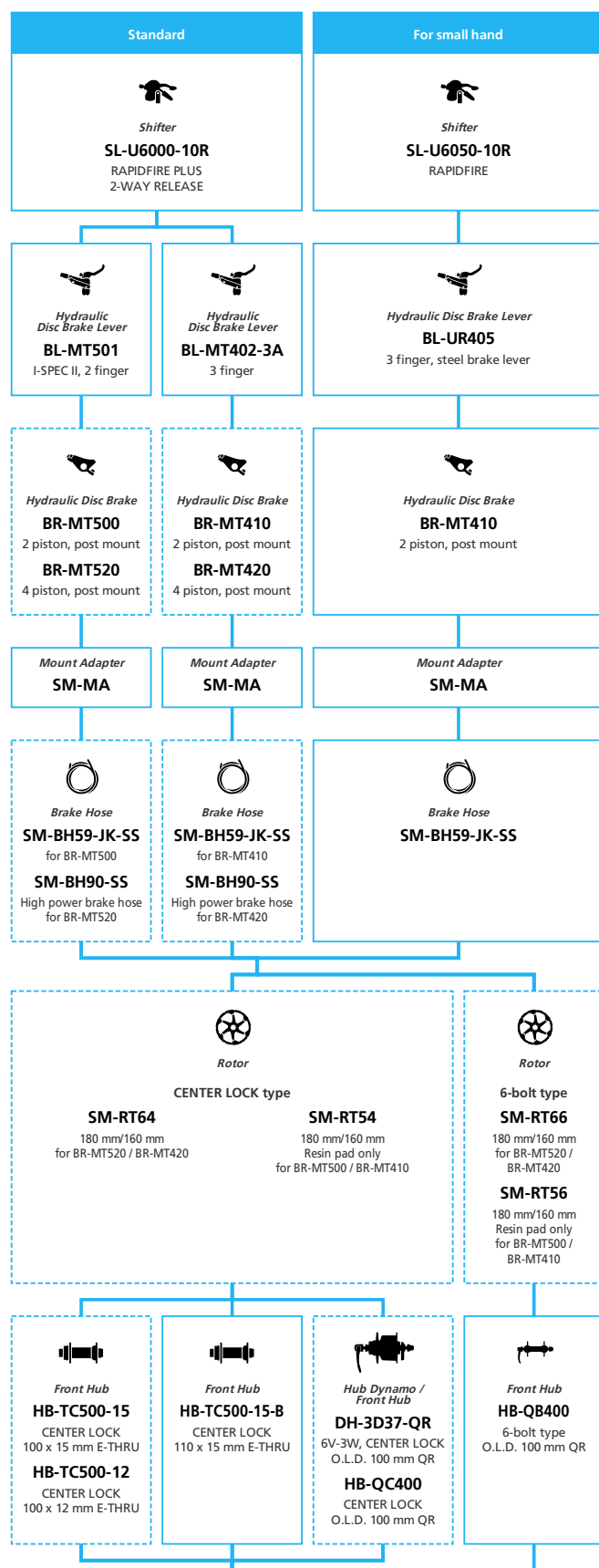
SHIMANO CUES U6000 for Flat Handlebar 2x10-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



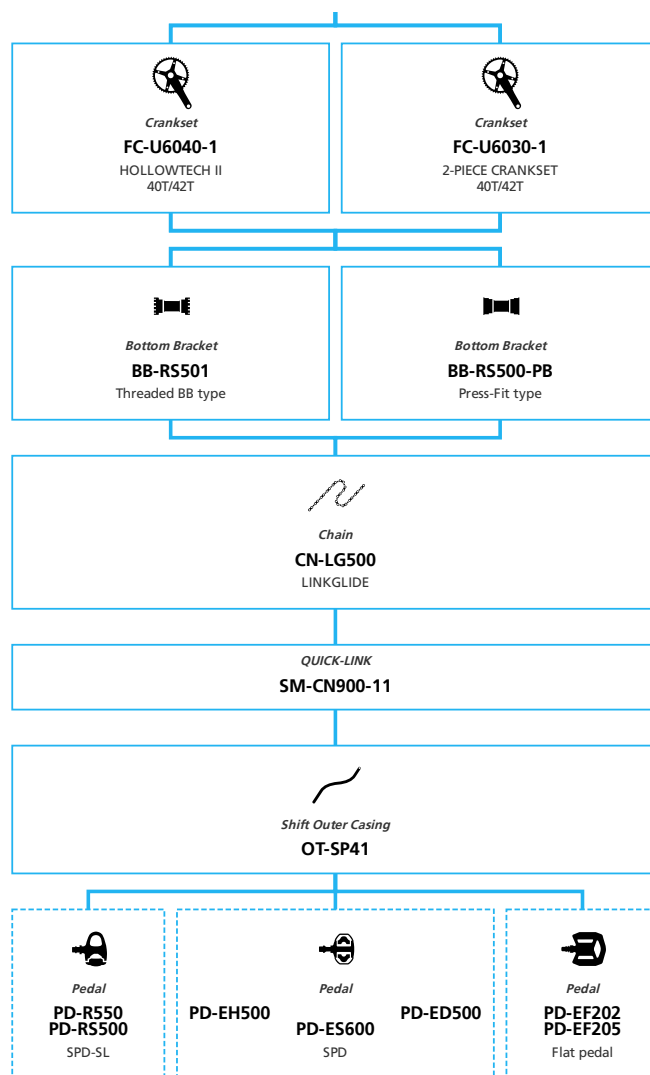
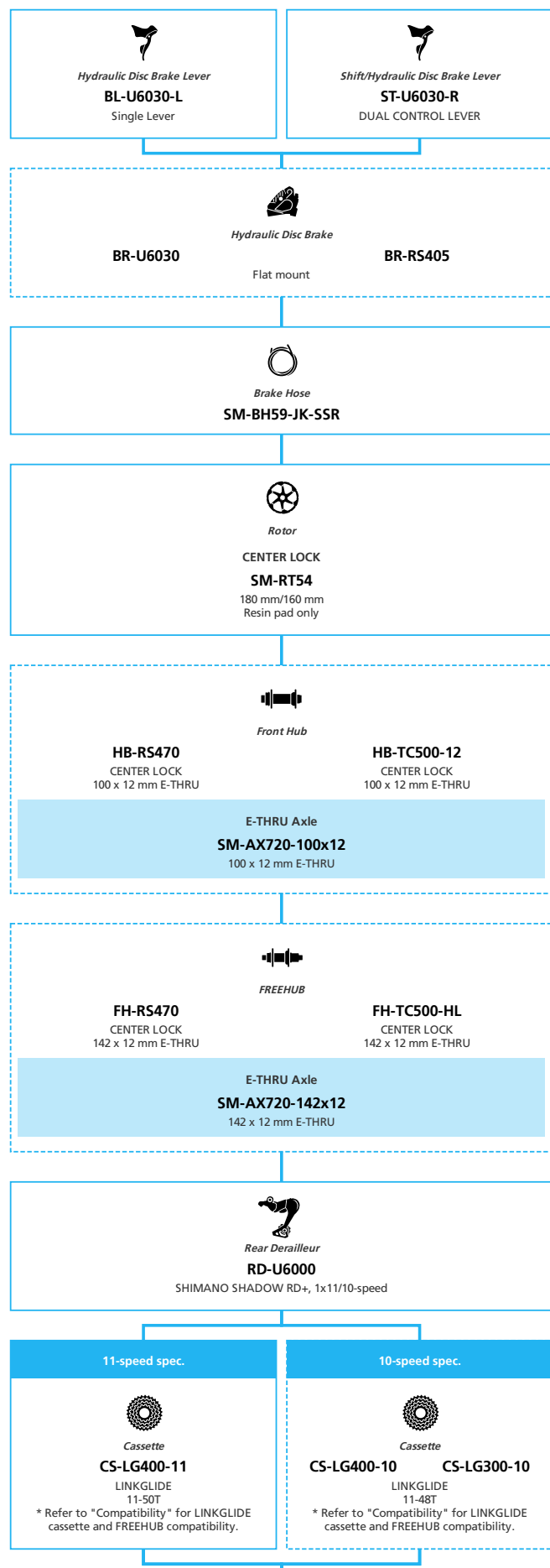
SHIMANO **CUES** U6000 for Flat Handlebar 1x10-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



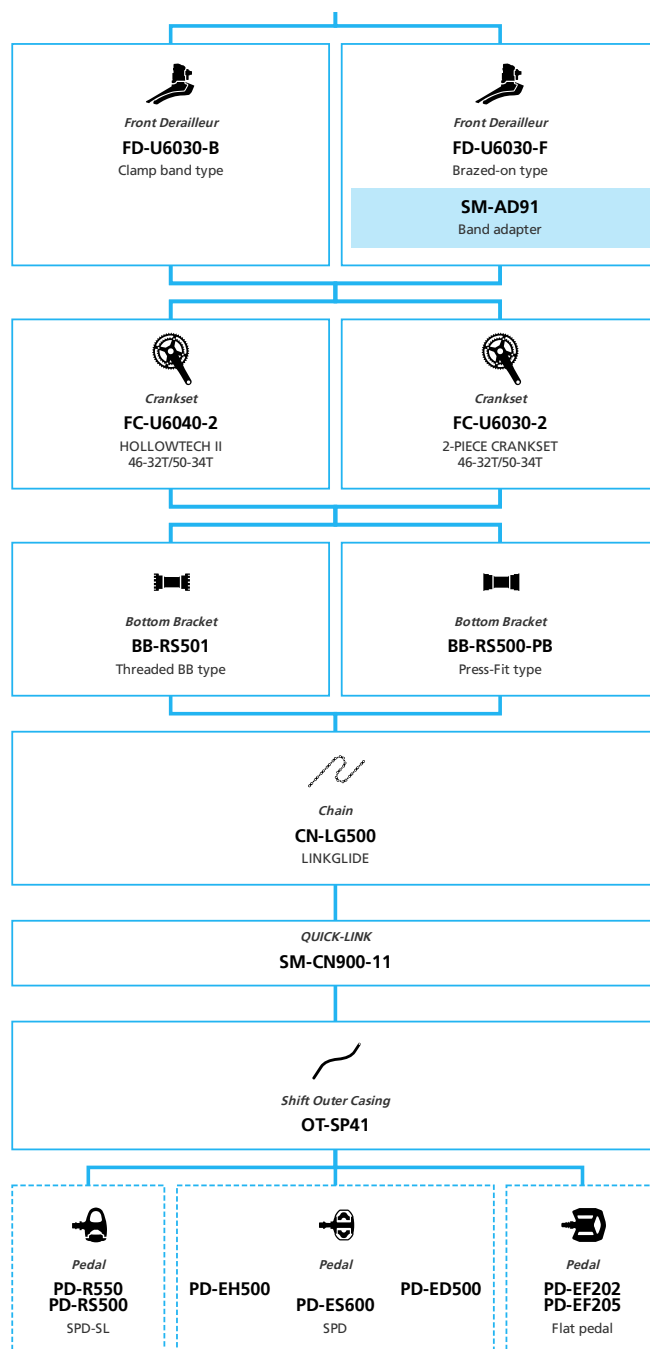
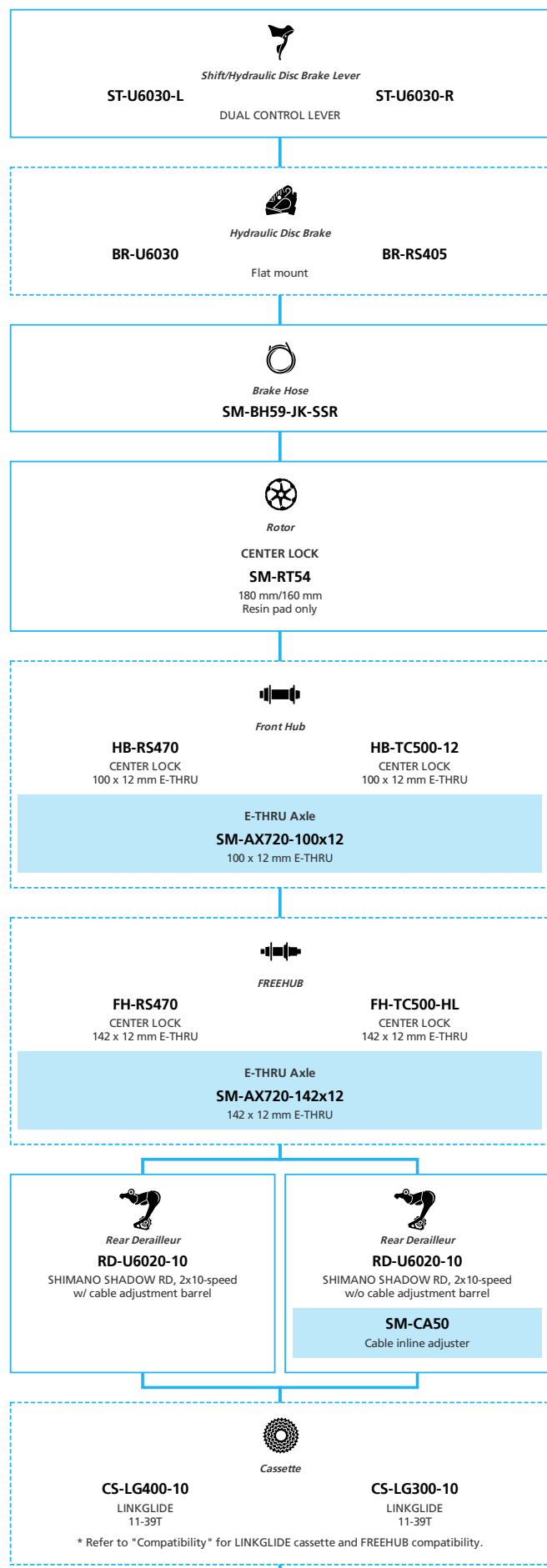
SHIMANO **CUES** U6000 for Drop Handlebar 1x11/10-speed

■ ... New model
■ ... Additional option
■ ... Alternative option
□ ... All select
□ ... Single select



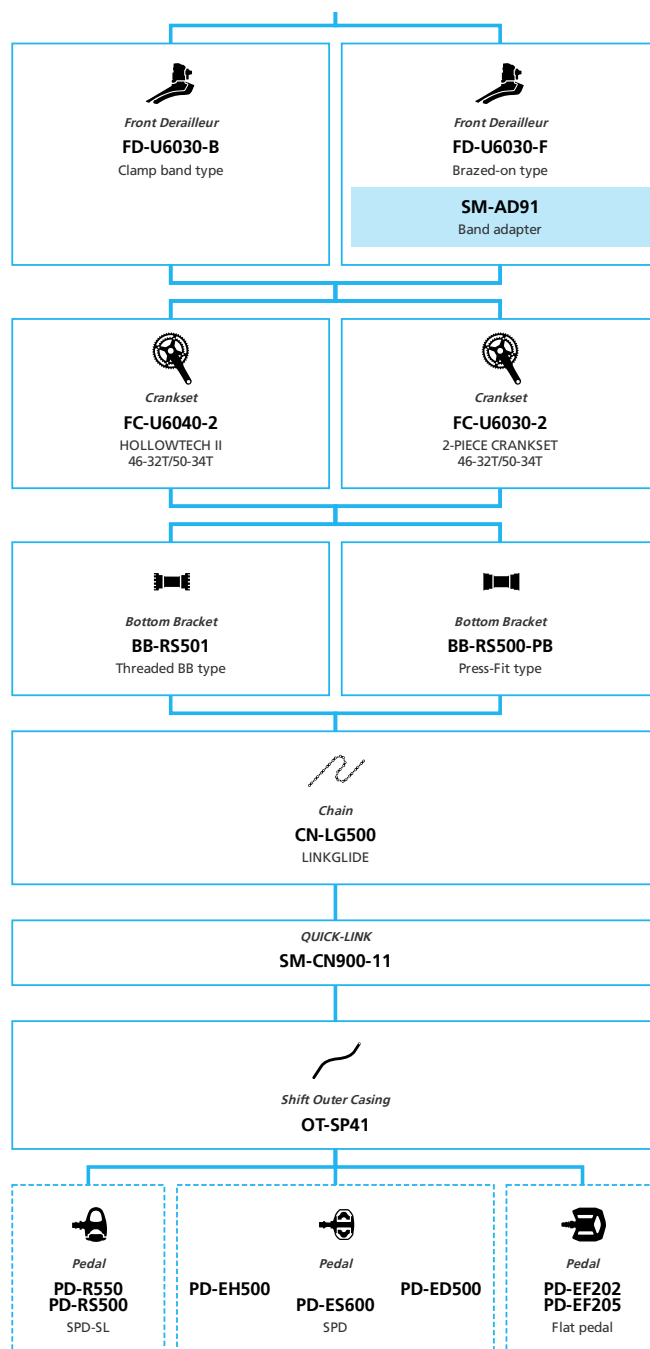
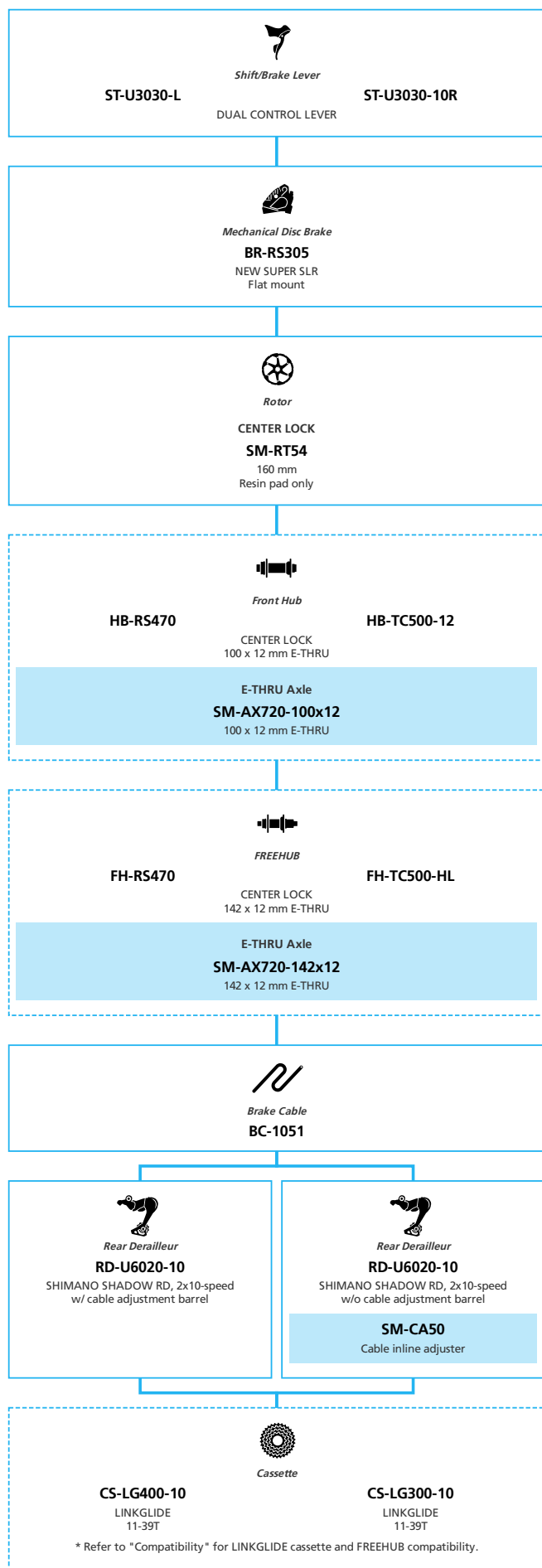
SHIMANO **CUES** U6000 for Drop Handlebar 2x10-speed

■ ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



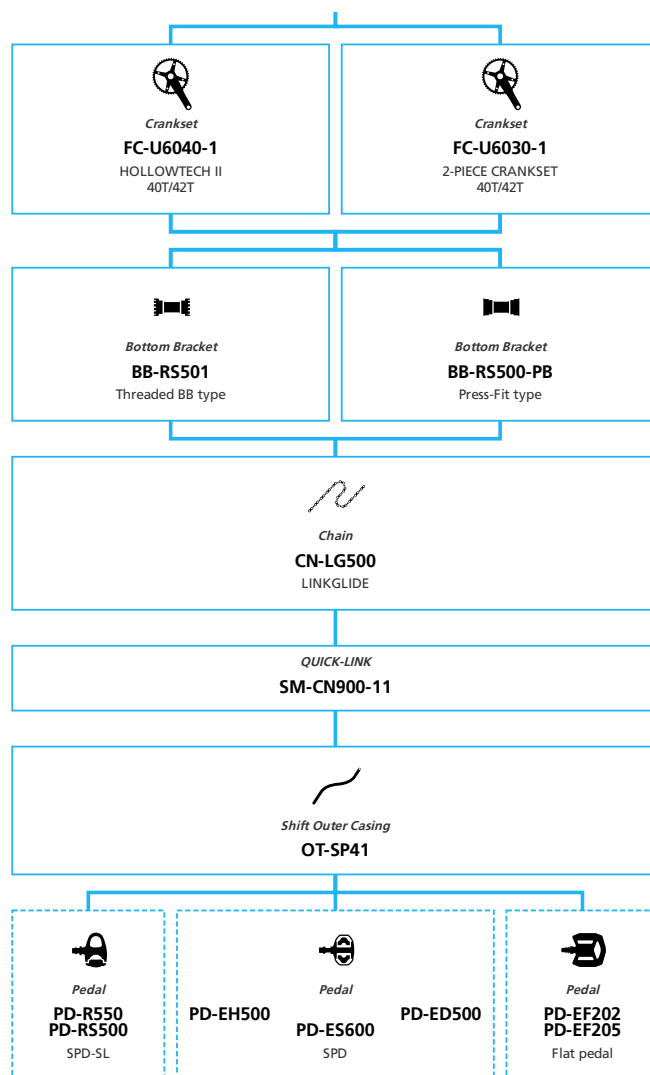
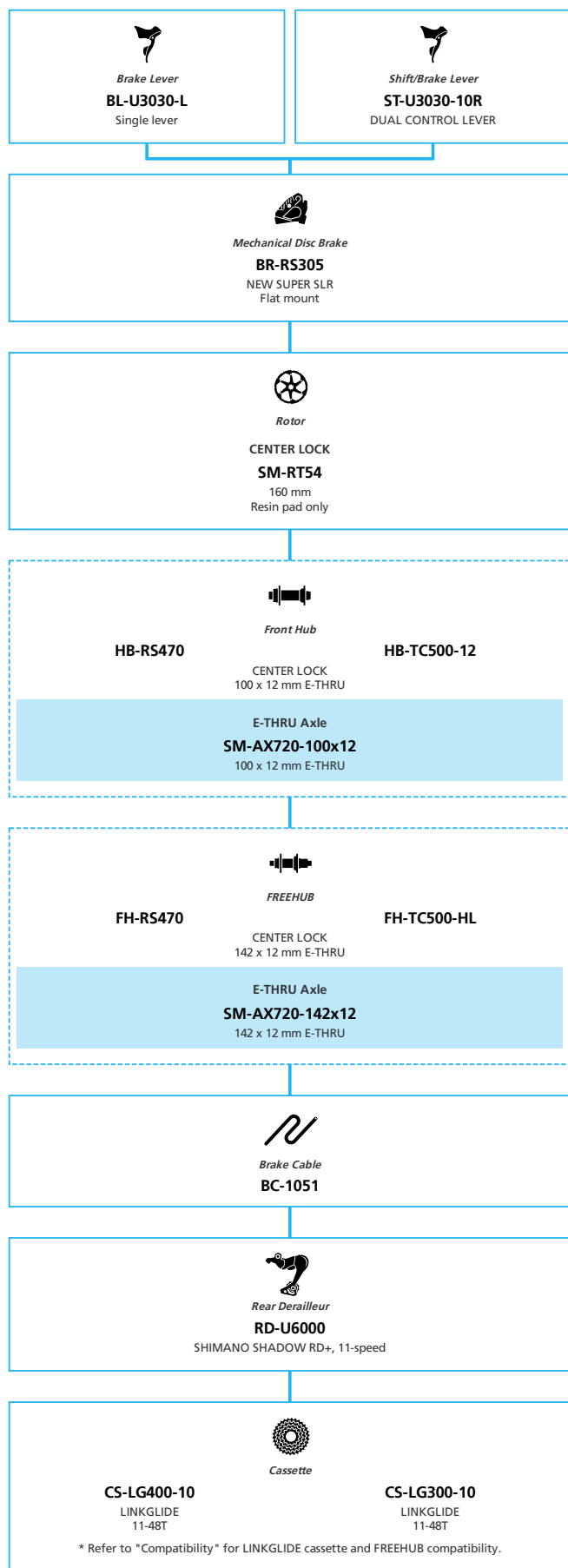
SHIMANO CUES U6000 for Drop Handlebar Mechanical Brake spec. 2x10-speed

■ ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



SHIMANO CUES U6000 for Drop Handlebar Mechanical Brake spec. 1x10-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



SHIMANO **CUES** U6000 Polished Silver Edition

For Flat Handlebar 1x10-speed

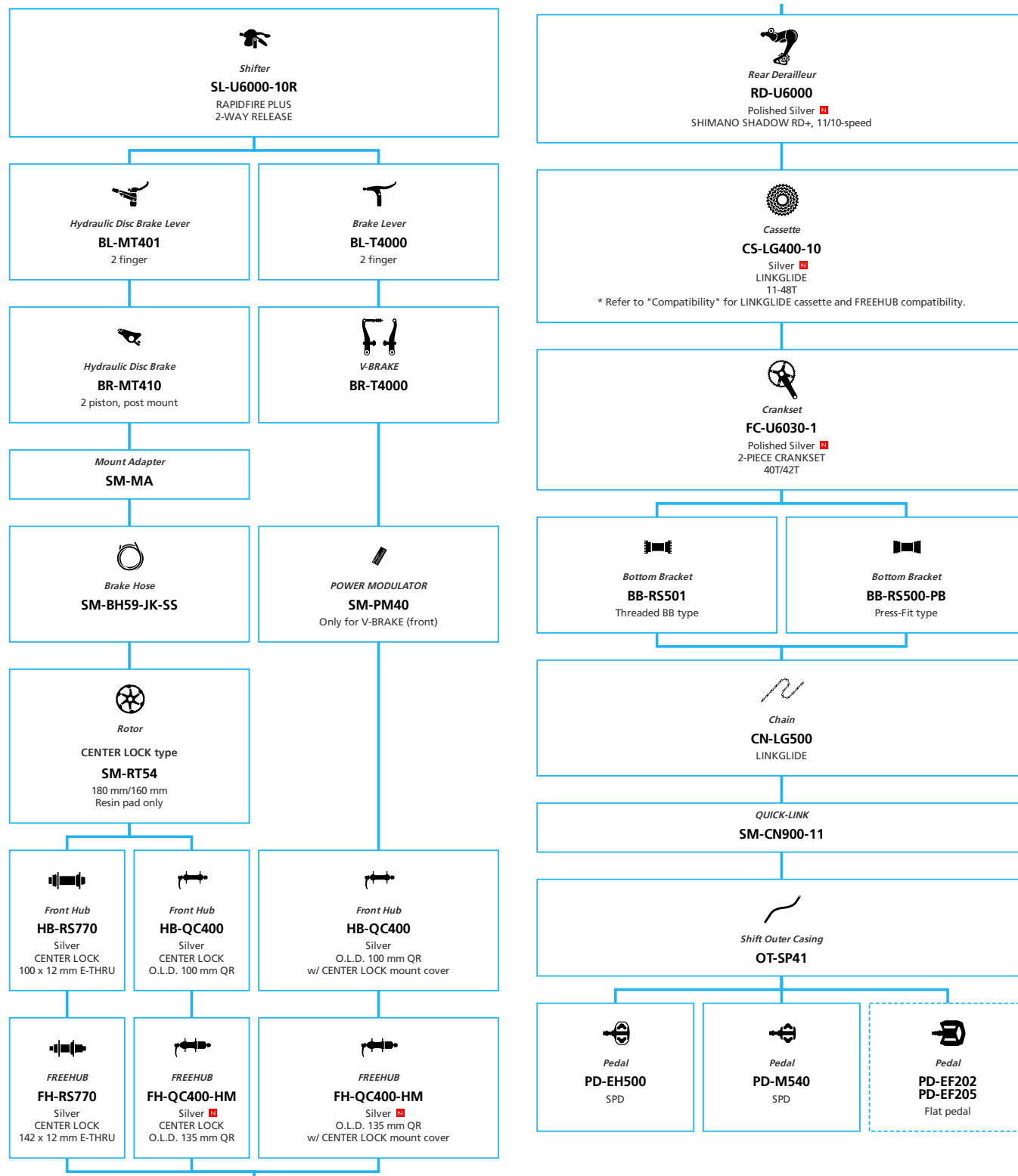
 ... New model

 ... Additional option

 ... Alternative option

 ... All select

 ... Single select



SHIMANO **CUES** U6000 Polished Silver Edition

For Drop Handlebar 1x10-speed

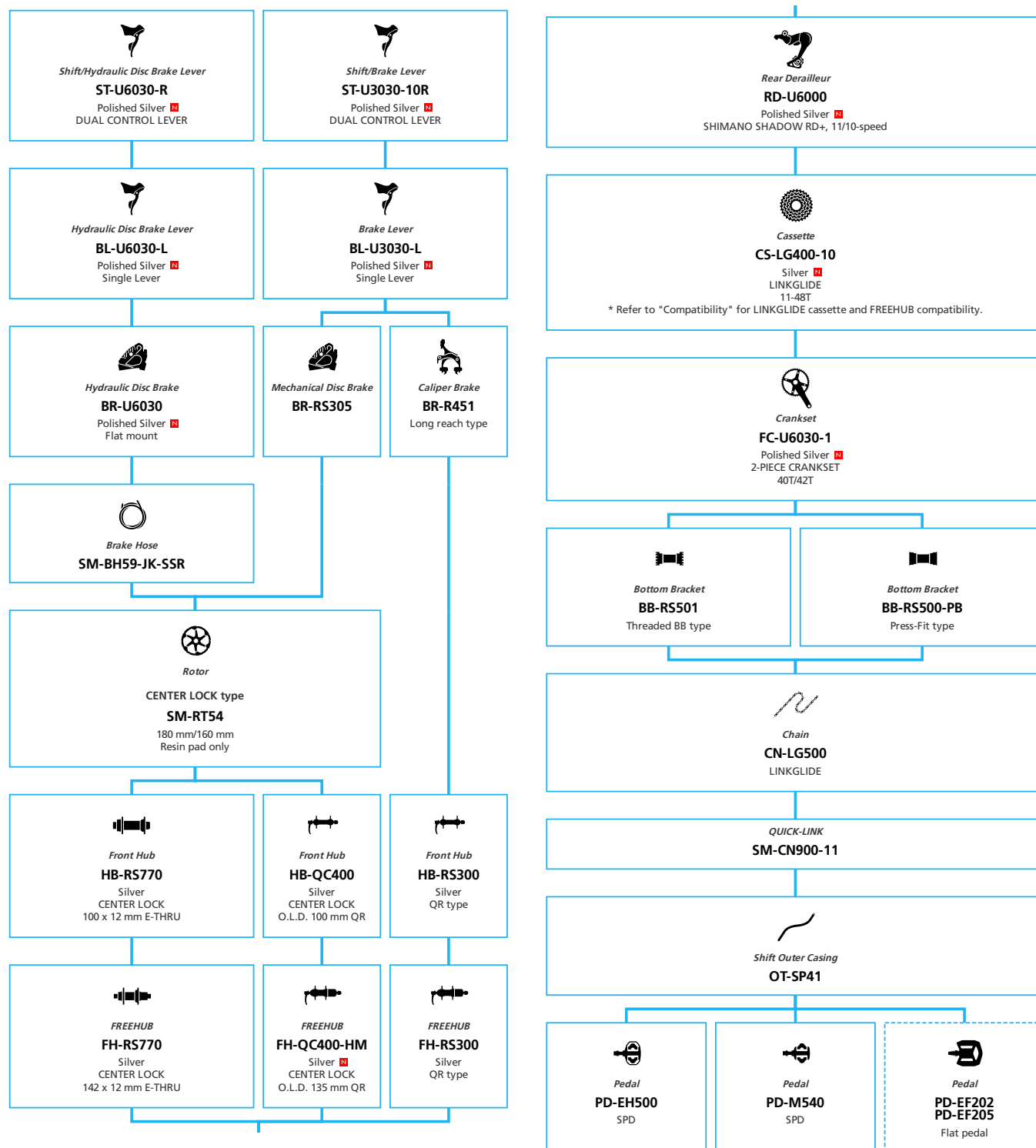
 ... New model

 ... Additional option

 ... Alternative option

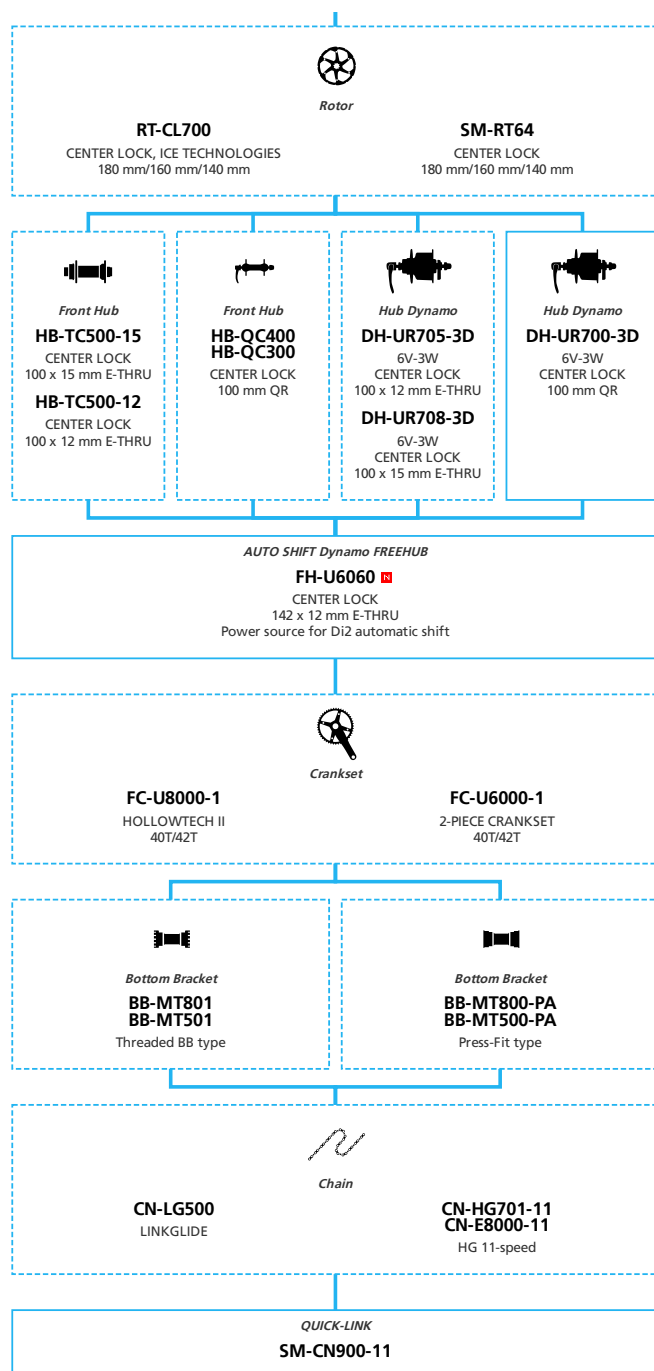
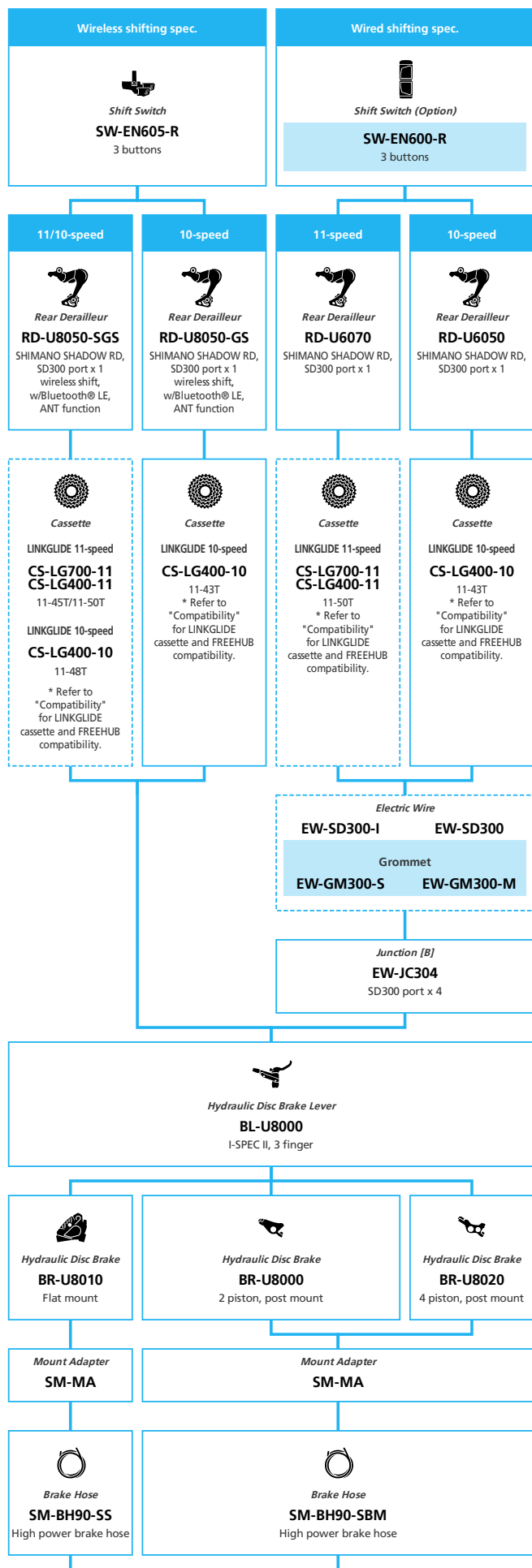
 ... All select

 ... Single select



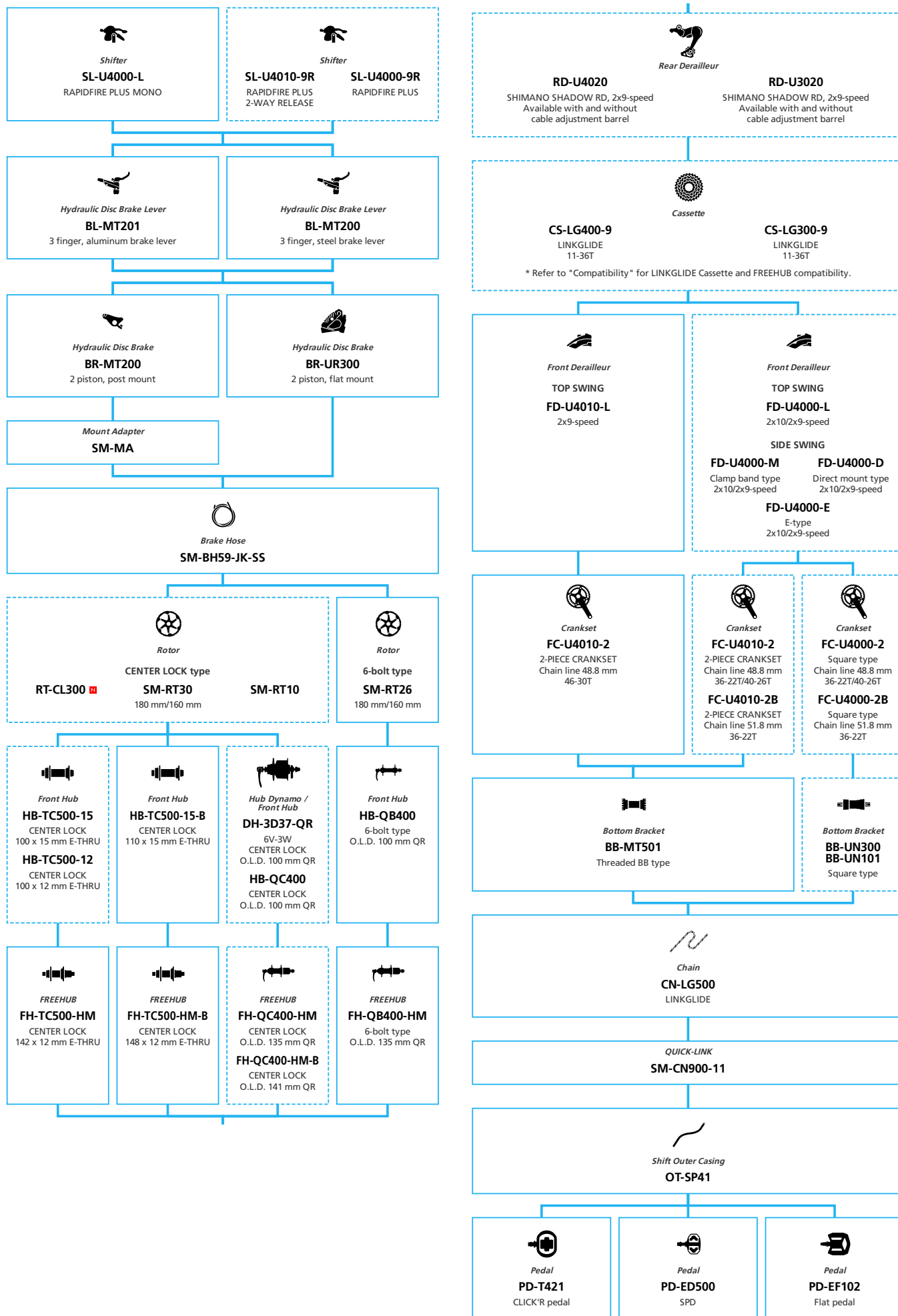
SHIMANO **CUES** U6060 for Di2, Automatic Shift 1x11/10-speed

■ ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



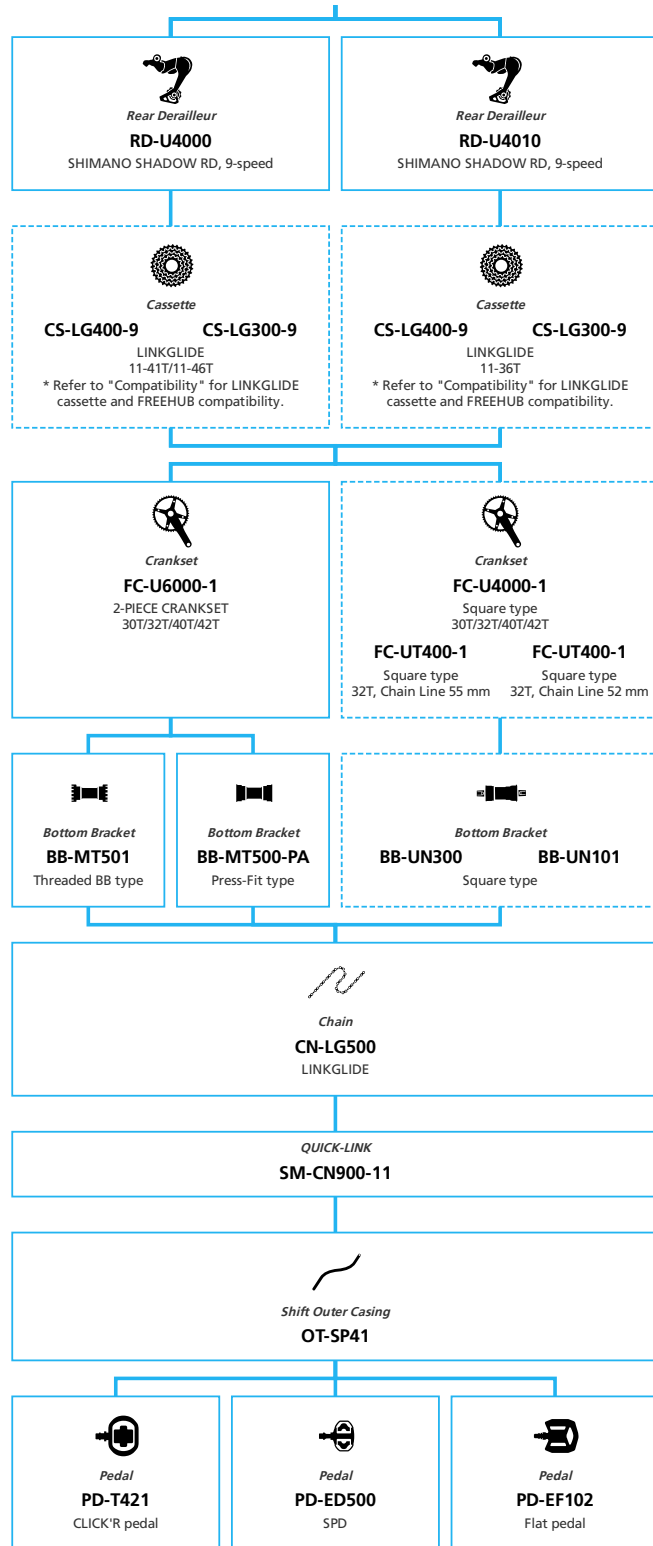
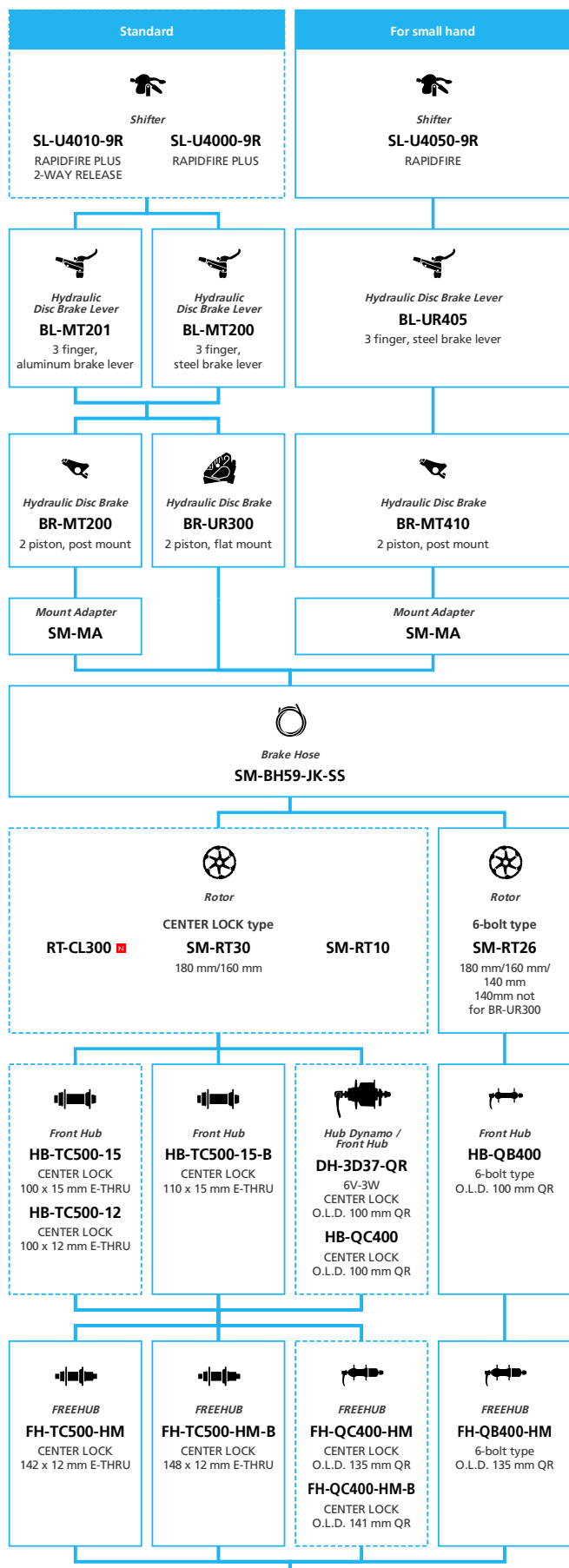
SHIMANO **CUES** U4000 for Flat Handlebar 2x9-speed

■ ... New model
■ ... Additional option
■ ... Alternative option
 ... All select
 ... Single select



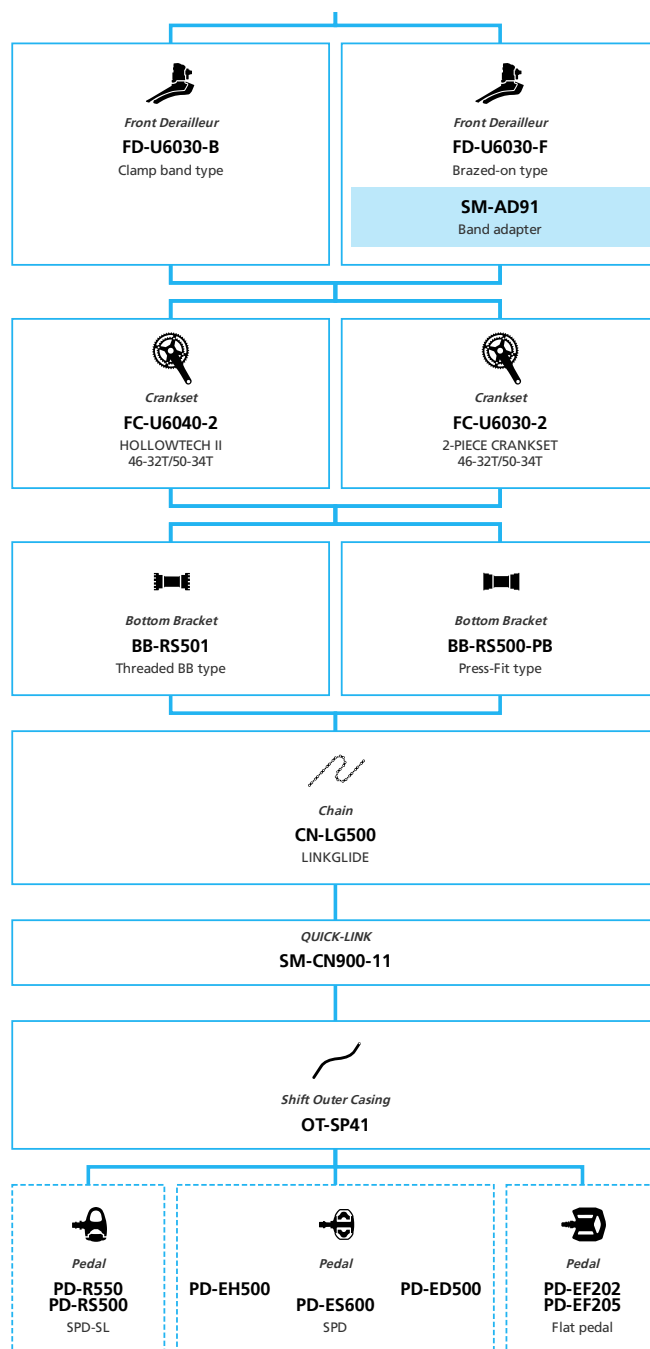
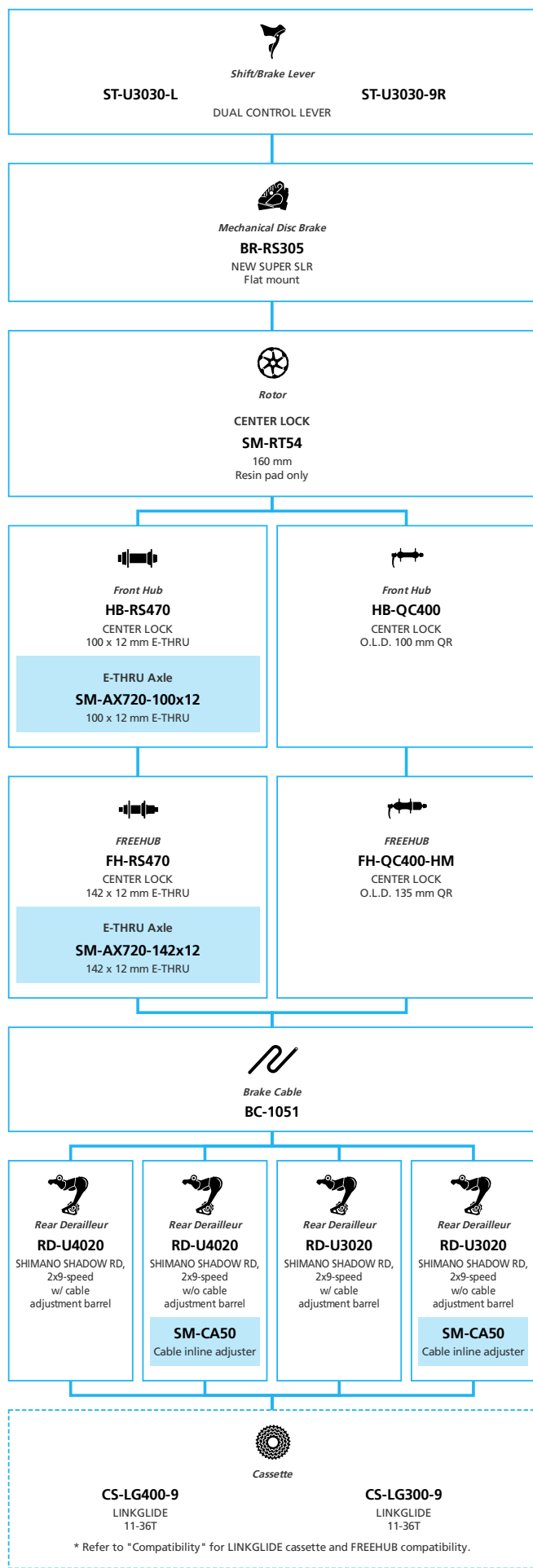
SHIMANO CUES U4000 for Flat Handlebar 1x9-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select

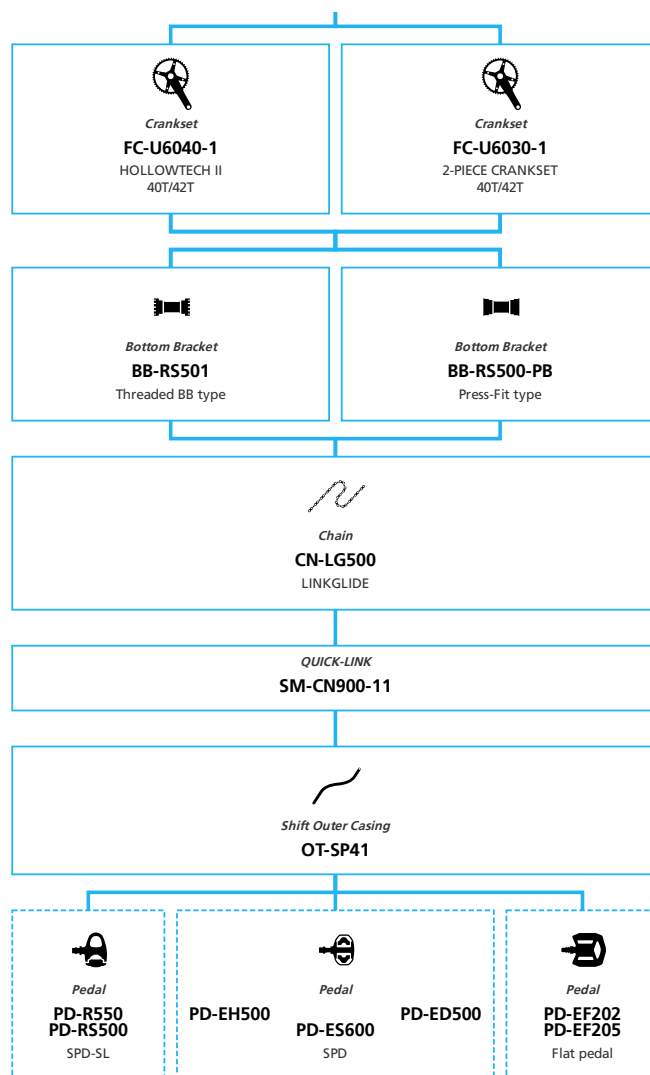


SHIMANO **CUES** U4000 for Drop Handlebar 2x9-speed

 ... New model
 ... Additional option
 ... Alternative option
 ... All select
 ... Single select



☐ ... Single select



* Refer to "Compatibility" for LINKGLIDE cassette and FREEHUB compatibility.

SPEC. handbook

Shifter

Brake Lever (Hydraulic Disc Brake, Flat Handlebar Type)

Brake Lever (Hydraulic Disc Brake, Drop Handlebar Type)

Brake Lever (Drop Handlebar Type)

Shift/Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)

Shift/Brake Lever (Drop Handlebar type)

Rear Derailleur

Front Derailleur

Brake (Hydraulic Disc Brake)

Brake (Mechanical Disc Brake)

Crankset

Bottom Bracket (HOLLOWTECH II)

Bottom Bracket

Cassette

Chain

Disc Brake Rotor

Front Hub (Disc Brake)

Front Hub (Rim/Disc Brake)

FREEHUB (Disc Brake)

FREEHUB (Rim/Disc Brake)

Hub Dynamo

Shift Switch

Switch Unit

Di2 spec. Rear Derailleur

AUTO SHIFT Dynamo FREEHUB

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
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		✓	-	✓	-	✓	✓
	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			✓	✓	✓	✓	✓	✓
Front 2/3 mode converter			-	-	-	-	-	-
Max. multiple shifts (main lever/rear)			2	2	-	-	2	2
Release function	MULTI RELEASE		-	-	-	-	-	-
	INSTANT RELEASE		✓	✓	✓	✓	-	-
	2-WAY RELEASE		✓	✓	✓	✓	✓	-
	Adjustable lever		-	-	✓	✓	-	-
OPTICAL GEAR DISPLAY	With		✓	✓	✓	✓	✓	✓
	With (removable)		-	-	-	-	-	-
	Without		✓	✓	✓	✓	✓	✓
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	-	-	-	-	-	-
		OPTIS-LICK	✓	✓	✓	✓	✓	✓
		SIL-TEC	-	-	-	-	-	-
		Stainless	✓	✓	✓	✓	-	-
		Steel	-	-	-	-	✓	✓
Recommended shift lever outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)			120	112	-	-	-	-
Note								Short reach

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	RAPIDFIRE PLUS	RAPIDFIRE PLUS	RAPIDFIRE
Front speeds			-	2	-	-	-	-
Rear speeds			10	-	10	9	9	9
Compatible rear derailleur type			LINKGLIDE system 10-speed	-	LINKGLIDE system 10-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed	LINKGLIDE system 9-speed
Mount type	Clamp band		✓	✓	✓	✓	✓	✓
	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			✓	✓	✓	✓	✓	✓
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		✓	✓	-	-	✓	-
	Adjustable lever		-	-	-	-	-	-
OPTICAL GEAR DISPLAY	With		✓	✓	✓	✓	✓	✓
	With (removable)		-	-	-	-	-	-
	Without		✓	✓	✓	-	-	-
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	-	-	-	-	-	-
		OPTIS-LICK	✓	✓	✓	✓	✓	✓
		SIL-TEC	-	-	-	-	-	-
		Stainless	-	-	-	-	-	-
		Steel	✓	✓	✓	✓	✓	✓
Recommended shift lever outer casing			OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41	OT-SP41
Average weight (g)			-	-	-	-	-	-
Note					Short reach			Short reach

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		✓
	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			✓
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		✓
	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	-
		OPTIS-LICK	✓
		SIL-TEC	-
		Stainless	-
		Steel	✓
Recommended shift lever outer casing			OT-SP41
Average weight (g)			-
Note			

Brake Lever (Hydraulic Disc Brake, Flat Handlebar Type)

Series		CUES	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BL-U8000	BL-UR405	BL-MT501	BL-MT402-3A	BL-MT201	BL-MT200
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Lever size (finger)		3	3	2	3	3	3
Color	1	Series color	Black	Black	Black	Black	Black
	2	-	-	-	Silver *	-	-
	3	-	-	-	-	-	-
Brake hose (kit)		SM-BH90	SM-BH59-JK-SS	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	SM-BH59-JK-SS
Hose joint		Straight	Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
J-Kit spec (for OEM)		✓	✓	✓	✓	✓	✓
SERVO W AVE		-	-	✓	-	-	-
Reach adjust	Toolless	✓	-	-	-	-	-
	Tool	-	✓	✓	✓	✓	✓
Free stroke adjust		-	-	-	-	-	-
Compatible shifter mount	Clamp band	✓	✓	✓	✓	✓	✓
	I-SPEC B	-	-	-	-	-	-
	I-SPEC II	✓	-	✓	-	-	-
	I-SPEC EV	-	-	-	-	-	-
Clamp band	Open clamp	✓	-	✓	-	-	-
Shifter rotation angle adjust range (I-SPEC EV ; deg.)		-	-	-	-	-	-
Recommended brake caliper		BR-U8000, BR-U8020	BR-MT410	BR-MT500 BR-MT520	BR-MT410 BR-MT420	BR-MT200 BR-UR300	BR-MT200 BR-UR300
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
Funnel bleeding		✓	✓	✓	✓	✓	✓
Clamp screw	Material	Stainless steel	Steel	Stainless steel	Steel	Steel	Steel
	Finish	Painted	Plated	-	Plated	Plated	Plated
Brake lever	Material	Aluminum	Steel	Aluminum	Aluminum	Aluminum	Steel
	Finish	Anodized	Painted	Anodized	Anodized	Anodized	Painted
Master cylinder	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Average weight (g)		110	-	-	-	-	-
Note			SHORT REACH	-	* The option color part is master cylinder	-	-

Brake Lever (Hydraulic Disc Brake, Drop Handlebar Type)

Series		CUES
Model no.		BL-U6030-L
Brake type		Hydraulic disc brake
Lever size (finger)		-
Color	1	Series color
	2	Polished silver (NEW)
Bracket cover color	1	Standard
	2	-
Brake hose (kit)		SM-BH59-JK-SSR
Hose joint		Straight
Brake hose color (kit)	1	Black
	2	-
SERVO WAVE		-
Reach adjust	Toolless	-
	Tool	✓
Free stroke adjust		-
Clamp band	I-SPEC	-
	Open clamp	-
	Diameter (mm)	23.8-24.2
Recommended brake caliper		BR-U6030, BR-RS405
Oil		SHIMANO Mineral
Funnel bleeding		✓
Clamp band	Material	Steel
Bracket	Material	Engineering composite
	Finish	-
Brake lever	Material	Aluminum
	Finish	Painted
Master cylinder	Material	-
	Finish	-
Average weight (g)		-
Note		

Brake Lever (Drop Handlebar Type)

Series		CUES
Model no.		BL-U3030-L
Color	1	Series color
	2	Polished silver (NEW)
	3	-
Compatible brake type	V-BRAKE	-
	Mechanical disc brake (MTB)	-
	Mechanical disc brake (Road)	✓
	Caliper (NEW SUPER SLR)	✓
	Caliper (SUPER SLR)	-
	Cantilever brake	-
	Roller brake	-
Recommended POWER MODULATOR	V-BRAKE	-
	Mechanical disc brake (MTB)	-
Clamp band	Open clamp band	-
	I-SPEC	-
	Diameter (mm)	23.8-24.2
Internal bumper stop		-
Lever size (finger)		-
Brake cable type		-
Power adjuster		✓
SERVO WAVE		-
Reach adjust		✓
Cable adjust		-
Cable adjust type		-
Brake lever	Material	Aluminum
	Finish	Painted
Brake bracket	Material	GFRP
	Finish	-
Stainless clamp screw		-
Average weight (g)		-
Note		

Shift/Brake Lever (Hydraulic Disc Brake, Drop Handlebar type)

Series			CUES	CUES
Model no.			ST-U6030-R	ST-U6030-L
Color	1		Series color	Series color
	2		Polished silver (NEW)	-
Shifter type			DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds		-	2
	Rear speeds		11/10	-
	Max. multiple shifts (main lever/rear)		2	-
	Multi-bearing construction		-	-
Brake lever	Brake hose (kit)		SM-BH59-JK-SSR	SM-BH59-JK-SSR
	Hose joint		Straight	Straight
	Brake hose color (kit)	1	Black	Black
		2	-	-
	Recommended brake caliper		BR-U6030, BR-RS405	BR-U6030, BR-RS405
	Oil		SHIMANO Mineral	SHIMANO Mineral
	Reach adjust		✓	✓
	Clamp band (mm)		23.8-24.2	23.8-24.2
	Funnel bleeding		✓	✓
	Free stroke adjust		-	-
SERVO WAVE		-	-	
Bracket	Material		Engineering composite	Engineering composite
	Finish		-	-
Brake lever	Material		Aluminum	Aluminum
	Finish		Painted	Painted
Clamp band	Material		Steel	Steel
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41
		Rear derailleur side	-	-
	Inner cable	Polymer-coated cable	-	-
		OPTIS-LICK	✓	✓
		SIL-TEC	-	-
		Stainless	-	-
		Steel	✓	✓
Average weight (g)			-	-
Note			Compatible with LINKGLIDE system 11/10-speed	

Shift/Brake Lever (Drop Handlebar type)

Series		CUES	CUES	CUES
Model no.		ST-U3030-L	ST-U3030-10R	ST-U3030-9R
Color	1	Series color	Series color	Series color
	2	-	Polished silver (NEW)	-
Shifter type		DUAL CONTROL LEVER	DUAL CONTROL LEVER	DUAL CONTROL LEVER
Shift lever	Front speeds	2	-	-
	Rear speeds	-	10	9
	Multi-bearing construction	0	0	0
Shift lever cable	Outer casing	Lever side	OT-SP41	OT-SP41
		Rear derailleur side	OT-SP41 sealed	OT-SP41 sealed
	Inner cable	Polymer-coated cable	-	-
		OPTIS-LICK	✓	✓
		SIL-TEC	-	-
		Stainless	-	-
		Steel	✓	✓
Brake lever	Reach adjust	Screw	Screw	Screw
	Clamp band (mm)	23.8-24.2	23.8-24.2	23.8-24.2
	SLR-EV	-	-	-
	NEW SUPER SLR	✓	✓	✓
	SUPER SLR	-	-	-
	Material	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted
Bracket	Material	GFRP	GFRP	GFRP
	Finish	-	-	-
Average weight (g)		-	-	-
Note				

Rear Derailleur

Series			CUES	CUES	CUES	CUES	CUES	CUES
Model no.			RD-U8000	RD-U8020	RD-U6000	RD-U6020-11	RD-U6020-10	RD-U4000
Color	1		Series color	Series color	Series color	Series color	Series color	Series color
	2		-	-	Polished silver (NEW)	-	-	-
Rear speeds			11	11	11/10	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
RD construction	SHIMANO SHADOW RD		-	-	-	✓	✓	✓
	SHIMANO SHADOW RD+		✓	✓	✓	-	-	-
	Double servo		-	-	-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	✓	✓	✓	✓	✓	✓
		Direct mount	-	-	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-	-	-
		Direct mount	-	-	-	-	-	-
	UDH standard		✓	✓	✓	✓	✓	✓
	Riveted adapter	ROAD type	-	-	-	-	-	-
		BMX-track type	-	-	-	-	-	-
	Mode converter			-	-	-	-	-
Cable adjuster			✓	✓ / -	✓	✓ / -	✓ / -	✓
Max. front difference			0T	14T	0T	14T	16T	0T
Total capacity			39T	48T	39T	48T	44T	35T
Low sprocket	Max.		50T	45T	50T	45T	39T	46T
	Min.		50T	45T	48T	45T	39T	41T
Top sprocket	Max.		11T	11T	11T	11T	11T	11T
	Min.		11T	11T	11T	11T	11T	11T
Fluoric coated link bushings			4	4	3	3	3	1
Pulley	Guide pulley bearing		Sealed bearing	Sealed bearing	-	-	-	-
	Tension pulley bearing		Sealed bearing	-	-	-	-	-
	Teeth		13/13T	11/13T	13/13T	11/13T	11/13T	13/13T
	Screws material		Steel	Steel	Steel	Steel	Steel	Steel
	Sunken type pulley screw		✓	✓	✓	✓	✓	✓
Bracket	Material		-	-	-	-	-	-
	Finish		-	-	-	-	-	-
B-axle	Hollow axle		-	-	-	-	-	-
	Material		Aluminum	Aluminum	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish		Black	Black	-	-	-	-
B-axle 2	Hollow axle		-	-	-	-	-	-
	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		-	-	-	-	-	-
Plate body	Material		PA+GF	PA+GF	PA+GF	PA+GF	PA+GF	PA+GF
	Finish		-	-	-	-	-	-
Outer link	Material		Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	PA+GF
	Finish		Painted	Painted	Painted	Painted	Painted	-
Inner link	Material		Aluminum	Aluminum	Aluminum	PA+GF	PA+GF	Aluminum
	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		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Finish		Black	Black	-	-	-	-
Stroke adjusting screw	Material		Steel	Steel	Steel	Steel	Steel	Steel
	Finish		Plated	Plated	Plated	Plated	Plated	Plated
Average weight (g)			-	-	-	-	-	-
Note			E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated	E-bike rated

Rear Derailleur

Series			CUES	CUES	CUES
Model no.			RD-U4010	RD-U4020	RD-U3020
Color	1		Series color	Series color	Series color
	2		-	-	-
Rear speeds			9/10	9	9
Compatible chain			LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
RD construction	SHIMANO SHADOW RD		✓	✓	✓
	SHIMANO SHADOW RD+		-	-	-
	Double servo		-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	✓	✓	✓
		Direct mount	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-
		Direct mount	-	-	-
	UDH standard		✓	✓	✓
	Riveted adapter	ROAD type	-	-	-
		BMX-track type	-	-	-
	Mode converter			-	-
Cable adjuster			-	✓ / -	✓ / -
Max. front difference			0T	16T	16T
Total capacity			28T	41T	41T
Low sprocket	Max.		39T	36T	36T
	Min.		36T	36T	36T
Top sprocket	Max.		11T	11T	11T
	Min.		11T	11T	11T
Fluoric coated link bushings			-	1	-
Pulley	Guide pulley bearing		-	-	-
	Tension pulley bearing		-	-	-
	Teeth		11/11T	11/11T	11/11T
	Screws material		Steel	Steel	Steel
	Sunken type pulley screw		✓	✓	✓
Bracket	Material		-	-	-
	Finish		-	-	-
B-axle	Hollow axle		✓	-	-
	Material		Stainless steel	Stainless steel	Stainless steel
	Finish		-	-	-
B-axle 2	Hollow axle		-	-	-
	Material		-	-	-
	Finish		-	-	-
Bracket body	Material		Aluminum	Aluminum	Aluminum
	Finish		Painted	Painted	Painted
P-axle	Material		Steel	Steel	Steel
	Finish		-	-	-
Plate body	Material		PA+GF	PA+GF	PA+GF
	Finish		-	-	-
Outer link	Material		PA+GF	PA+GF	PA+GF
	Finish		-	-	-
Inner link	Material		PA+GF	PA+GF	PA+GF
	Finish		-	-	-
Outer plate	Material		Steel	Steel	Steel
	Finish		Painted	Painted	Painted
Inner plate	Material		Steel	Steel	Steel
	Finish		Painted	Painted	Painted
Cable fixing screw	Material		Stainless steel	Stainless steel	Stainless steel
	Finish		-	-	-
Stroke adjusting screw	Material		Steel	Steel	Steel
	Finish		Plated	Plated	Plated
Average weight (g)			-	-	-
Note			E-bike rated	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-U6030-F
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	✓	-	-	-	✓	-
	Down swing	-	-	-	-	-	✓
	SIDE SWING	-	✓	✓	✓	-	-
Mount	Clamp band (mm)	28.6	-	-	-	✓ (w/ S size adapter)	-
		31.8	✓ (w/ M size adapter)	-	✓ (w/ M size adapter)	✓ (w/ M size adapter)	-
		34.9	✓	-	✓	✓	-
	E-type	With bottom bracket plate	-	-	-	-	-
		Without bottom bracket plate	-	-	✓	-	-
	Direct mount		-	✓	-	-	-
	Brazed-on		-	-	-	-	✓
	Cable adjust		-	-	-	-	✓
Cable route type	Dual-pull		✓	-	-	✓	-
	Top-pull exclusive		-	-	-	-	-
	Down-pull exclusive		-	-	-	-	✓
	Front-pull		-	✓	✓	✓	-
Chain line (mm)		48.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8	47
Chainstay angle (deg.)		63-68	64-69	64-69	64-69	63-68	62-66
Top gear teeth		46T	36T, 40T	36T, 40T	36T, 40T	40T (2x11-speed), 46T (2x11/2x10-speed)	46T, 50T
Total capacity		16T	14T	14T	14T	16T	16T
Applicable top-mid tooth difference		-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	-
Angled stroke adjust screw		✓	✓	✓	✓	✓	-
Angled clamp band design		✓	-	-	✓	✓	-
Multi-bearing construction		-	-	-	-	-	-
Link bushings		4	4	4	4	4	7
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	Stainless steel
	Finish	-	-	-	-	-	-
Bottom bracket plate	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Outer link	Material	Steel	Steel	Steel	Steel	Steel	GFRP
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Plated
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	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	CUES	CUES
Model no.		FD-U6030-B	FD-U4000-D	FD-U4000-E	FD-U4000-M	FD-U4000-L	FD-U4010-L
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		10/9	10/9	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	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Action	TOP SWING	-	-	-	-	✓	✓
	Down swing	✓	-	-	-	-	-
	SIDE SWING	-	✓	✓	✓	-	-
Mount	Clamp band (mm)	28.6	✓ (w/ S size adapter)	-	-	-	-
		31.8	✓ (w/ M size adapter)	-	-	✓ (w/ M size adapter)	✓ (w/ M size adapter)
		34.9	✓	-	-	✓	✓
	E-type	With bottom bracket plate	-	-	-	-	-
		Without bottom bracket plate	-	-	✓	-	-
	Direct mount	-	✓	-	-	-	-
	Brazed-on	-	-	-	-	-	-
Cable adjust		✓	-	-	-	-	-
Cable route type	Dual-pull	-	-	-	-	✓	✓
	Top-pull exclusive	-	-	-	-	-	-
	Down-pull exclusive	✓	-	-	-	-	-
	Front-pull	-	✓	✓	✓	-	-
Chain line (mm)		47	48.8/51.8	48.8/51.8	48.8/51.8	48.8/51.8	48.8
Chainstay angle (deg.)		62-66	64-69	64-69	64-69	64-69	63-68
Top gear teeth		46T, 50T	36T, 40T	36T, 40T	36T, 40T	36T, 40T	46T
Total capacity		16T	14T	14T	14T	14T	16T
Applicable top-mid tooth difference		-	-	-	-	-	-
Multi access cable fixing screw		-	-	-	-	-	-
Angled stroke adjust screw		-	✓	✓	✓	✓	✓
Angled clamp band design		-	-	-	✓	✓	✓
Multi-bearing construction		-	-	-	-	-	-
Link bushings		7	4	4	4	-	-
Front clamp band	Material	Aluminum	-	-	Steel	Steel	Steel
	Finish	Painted	-	-	Painted	Painted	Painted
Rear clamp band, base bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Clamp screw	Material	Stainless steel	-	-	Steel	Steel	Stainless steel
	Finish	-	-	-	-	Nickel plated	-
Bottom bracket plate	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Outer link	Material	GFRP	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Plated	Plated
Inner link	Material	Steel	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Plated	Painted	Painted	Painted	Painted	Painted
Chain guide	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Chrome 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	Steel	Steel	Steel	Steel	Steel	Stainless steel
	Finish	Phosphate coated	Phosphate coated	Phosphate coated	Phosphate coated	Zinc plated	-
Average weight (g) (band type: L size, direct type w/ screw)		-	-	-	-	-	-
Note			-	-	-		

Brake (Hydraulic Disc Brake)

Series		CUES	CUES	CUES	CUES	CUES	SHIMANO
Model no.		BR-U8000	BR-U8010	BR-U8020	BR-U6030-F	BR-U6030-R	BR-UR300
Color	1	Series color	Series color	Series color	Series color	Series color	Black
	2	-	-	-	Polished silver (NEW)	Polished silver (NEW)	-
	3	-	-	-	-	-	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH90-SBM	SM-BH90-SS	SM-BH90-SBM	SM-BH59-JK-SSR	SM-BH59-JK-SSR	SM-BH59-JK-SS
J-Kit spec (for OEM)		✓	✓	✓	✓	✓	✓
Hose joint		Banjo	Straight	Banjo	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black	Black
	2	-	-	-	-	-	-
ICE TECHNOLOGIES pad compatible caliper		✓	✓	✓	-	-	-
Pad	Standard 1	G05A-RX Resin (w/o fin)	K05S-RX Resin (w/o fin) *	N03A-RF Resin (w/ fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)
	Standard 2	-	L05A-RF Resin (w/ fin) **	D03S-RX Resin (w/o fin)	-	-	-
	Option 1	G04S-MX Metal (w/o fin)	-	N04C-MF Metal (w/ fin)	-	-	-
	Option 2	J05A-RF Resin (w/ fin)	-	D02S-MX Metal (w/o fin)	-	-	-
Fixing screw spec for rear mount	10 mm mount	-	✓	-	✓	✓	✓
	15 mm mount	-	✓	-	✓	✓	✓
	20 mm mount	-	✓	-	✓	✓	✓
	25 mm mount	-	✓	-	✓	✓	✓
	30 mm mount	-	✓	-	✓	✓	✓
	35 mm mount	-	✓	-	✓	✓	✓
	15.2 mm	-	-	-	-	-	-
	18.7 mm	✓	-	✓	-	-	-
Recommended brake lever		BL-U8000	BL-U8000	BL-U8000	ST-U6030 BL-U6030-L	ST-U6030 BL-U6030-L	BL-MT201 BL-MT200
Recommended disc brake rotor		RT-MT800	RT-MT800	RT-MT800	SM-RT54 SM-RT30	SM-RT54 SM-RT30	SM-RT10 *, SM-RT26 *
Compatible rotor size	140 mm (SS)	✓	✓	✓	-	-	-
	160 mm (S)	✓	✓	✓	✓	✓	✓
	180 mm (M)	✓	✓	✓	✓	✓	✓
	203 mm (L)	✓	-	✓	-	-	-
	220 mm (LL)	✓	-	✓	-	-	-
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		✓	✓	-	✓	✓	✓
Mount type		Post type	Flat mount	Post type	Flat mount	Flat mount	Flat mount
Piston		2	2	4	2	2	2
Piston material		Ceramic	Resin	Ceramic	Resin	Resin	Resin
Caliper	MONO-BODY	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Caliper fixing screw	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Tool size	5 mm	4mm	5 mm	4 mm	4 mm	5 mm
	Anti loosen method	Snap ring	Screw fix pin+Snap ring	Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring	Screw fix pin+Snap ring
Pad mount		Pad axle	Pad axle	Pad axle	Split pin	Split pin	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)		-	146 (Front) 137 (Rear)	-	-	-	-
Note			* Available in OEM package only ** Available in OTC package only				* Only compatible with resin pad

Brake (Hydraulic Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BR-MT520	BR-MT500	BR-MT420	BR-MT410	BR-MT200
Color	1	Black	Black	Black	Black (SHIMANO logo)	Black
	2	-	-	-	-	-
	3	-	-	-	-	-
Brake type		Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake	Hydraulic disc brake
Brake hose (kit)		SM-BH90-SS	SM-BH59-JK-SS	SM-BH90-SS	SM-BH59-JK-SS	SM-BH59-JK-SS
J-Kit spec (for OEM)		✓	✓	✓	✓	✓
Hose joint		Straight	Straight	Straight	Straight	Straight
Brake hose color (kit)	1	Black	Black	Black	Black	Black
	2	-	-	-	-	-
ICE TECHNOLOGIES pad compatible caliper		-	-	-	-	-
Pad	Standard 1	D03S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	D03S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)	B05S-RX Resin (w/o fin)
	Standard 2	D02S-MX Metal (w/o fin)	-	D02S-MX Metal (w/o fin)	-	-
	Option 1	-	-	-	-	-
	Option 2	-	-	-	-	-
Fixing screw spec for rear mount	10 mm mount	-	-	-	-	-
	15 mm mount	-	-	-	-	-
	20 mm mount	-	-	-	-	-
	25 mm mount	-	-	-	-	-
	30 mm mount	-	-	-	-	-
	35 mm mount	-	-	-	-	-
	15.2 mm	-	-	-	-	-
	18.7 mm	-	-	-	-	-
Recommended brake lever		BL-MT501	BL-MT500	BL-MT401, BL-MT402-3A	BL-M4100, BL-MT401, BL-MT402-3A	BL-MT201 BL-MT200
Recommended disc brake rotor		SM-RT70	SM-RT54 *, SM-RT56 *	SM-RT30 *, SM-RT54 *, SM-RT56 *, SM-RT64	SM-RT30 *, SM-RT54 *, SM-RT56 *	SM-RT10 *, SM-RT26 *
Compatible rotor size	140 mm (SS)	✓	-	✓	✓	✓
	160 mm (S)	✓	✓	✓	✓	✓
	180 mm (M)	✓	✓	✓	✓	✓
	203 mm (L)	✓	-	✓	✓	-
	220 mm (LL)	✓	-	✓	-	-
Oil		SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral	SHIMANO mineral
ONE WAY BLEEDING		✓	✓	✓	✓	✓
Mount type		Post type	Post type	Post type	Post type	Post type
Piston		4	2	4	2	2
Piston material		Ceramic	Resin	Resin	Resin	Resin
Caliper	MONO-BODY	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
Caliper fixing screw	Material	Steel	Steel	Steel	Steel	Steel
	Tool size	5 mm	5 mm	5 mm	5 mm	5 mm
	Anti loosen method	Snap ring	Snap ring	Snap ring	Snap ring	Snap ring
Pad mount		Split pin	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	* Only compatible with resin pad	* Only compatible with resin pad

Brake (Mechanical Disc Brake)

Series		SHIMANO	SHIMANO
Model no.		BR-RS305-F	BR-RS305-R
Color	1	Black	Black
	2	-	-
Brake type		Mechanical disc brake	Mechanical disc brake
Compatibility		NEW SUPER SLR	NEW SUPER SLR
ICE TECHNOLOGIES pad compatible caliper		✓	✓
Pad	Standard 1	K05S-RX Resin (w/o fin)	K05S-RX Resin (w/o fin)
	Standard 2	-	-
	Option 1	L05A-RF Resin (w/ fin)	L05A-RF Resin (w/ fin)
	Option 2	-	-
Fixing screw spec for rear mount	10 mm mount	-	✓
	15 mm mount	-	✓
	20 mm mount	-	✓
	25 mm mount	-	✓
	30 mm mount	-	✓
	35 mm mount	-	✓
Recommended brake lever		-	-
Recommended disc brake rotor		SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)	SM-RT54/RT56 (160 mm), SM-RT70 (140 mm/160 mm)
Mount type		Flat mount	Flat mount
Piston		1	1
Piston material		-	-
Caliper	MONO-BODY	-	-
	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Caliper fixing screw	Material	Steel	Steel
	Tool size	4 mm	4 mm
	Anti loosen method	Screw fix pin+Snap ring	Screw fix pin
Pad mount		Pad axle	Pad axle
Average weight (g)		-	-
Note		SHIMANO logo	SHIMANO logo

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	55 (30T, 32T), 52 (30T, 32T), 50 (40T, 42T)
O.L.D.	Thru (mm)	142	142	142	148	142	*148, 142 (30T, 32T), 142 (40T, 42T)
	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	-	-	-	-	-	✓ (chain line 55mm)
	167.5	-	-	-	-	-	-
	170	✓	✓	✓	✓	✓	✓
	172.5	-	-	-	-	-	-
	175	✓	✓	✓	✓	✓	✓
	177.5	-	-	-	-	-	-
	180	-	-	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-	-	-
	With chain guard	✓	✓	✓ (46-30T)	-	✓	✓ (40T, 42T)
	Without chain/bash guard	✓	✓	✓	✓	✓	✓
HOLLOWTECH II		✓	✓	-	-	✓	-
2-PIECE CRANKSET		-	-	✓	✓	-	✓
HOLLOWTECH crank arm		-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible bottom bracket type	Outboard	✓	✓	✓	✓	✓	✓
	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	✓	✓	✓	✓	✓	✓
	70	-	-	-	-	-	-
	73	✓	✓	✓	✓	✓	✓
	83	-	-	-	-	-	-
Chain case compatible		✓	✓	✓ (46-30T)	-	✓	✓ (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		✓	✓	-	-	✓	✓
Crank fixing screw included		✓	✓	✓	✓	✓	✓
Average weight (g) (170 mm, w/o bottom bracket)				-	-	-	-
Note							* Chain line 55 mm spec. is for rear O.L.D 148(Thru)/141(QR) only

Crankset

Series		CUES	CUES	CUES	CUES	CUES	CUES
Model no.		FC-U6030-2	FC-U6040-2	FC-U6030-1	FC-U6040-1	FC-U4000-2	FC-U4000-2B
Color	1	Series color	Series color	Series color	Series color	Series color	Series color
	2	-	-	Polished silver* (NEW)	-	-	-
Rear speeds		10/9	10/9	11/10/9	11/10/9	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	LINKGLIDE, HG 11-speed
Chain line (mm)		47	47	50	50	48.8	51.8
O.L.D.	Thru (mm)	142	142	142	142	142	148
	QR/Nut (mm)	135	135	135	135	135	141
P.C.D. (mm)		110	110	110	110	Riveted	Riveted
Spider/gear arms		4	4	4	4	4	4
Chainring combination		46-32T, 50-34T	46-32T, 50-34T	40T, 42T	40T, 42T	36-22T, 40-26T	36-22T
Q-factor (mm)		152	152	152	152	178	178
Crank arm length (mm)	160	-	-	-	-	-	-
	165	✓	-	✓	-	-	-
	167.5	-	-	-	-	-	-
	170	✓	✓	✓	✓	✓	✓
	172.5	✓	✓	✓	✓	-	-
	175	✓	✓	✓	✓	✓	✓
	177.5	-	-	-	-	-	-
Optional chain guard	180	-	-	-	-	-	-
	With bash guard	-	-	-	-	-	-
	With chain guard	-	-	✓ (40T, Polished silver only)	-	✓ (40-26T)	-
	Without chain/bash guard	✓	✓	✓	✓	✓	✓
	HOLLOWTECH II	-	✓	-	✓	-	-
	2-PIECE CRANKSET	✓	-	✓	-	-	-
HOLLOWTECH crank arm		-	-	-	-	-	-
OCTALINK		-	-	-	-	-	-
HOLLOWGLIDE		-	-	-	-	-	-
Compatible bottom bracket type	Outboard	✓	✓	✓	✓	-	-
	OCTALINK	-	-	-	-	-	-
	Square	-	-	-	-	✓	✓
Recommended bottom bracket	Threaded (normal)	BB-RS501	BB-RS501	BB-RS501	BB-RS501	BB-UN101	BB-UN101
	Threaded (E-type)	-	-	-	-	-	-
	Threaded (chain case)	-	-	-	-	-	-
	Press-Fit	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	BB-RS500-PB	-	-
Axle length of BB-UN/ES (mm)		-	-	-	-	LL123	LL123
Threaded bottom bracket shell width (mm)	68	✓	✓	✓	✓	✓	✓
	70	✓	✓	✓	✓	-	-
	73	-	-	-	-	✓	✓
	83	-	-	-	-	-	-
Chain case compatible		-	-	-	-	-	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	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	-	-
	Finish	Painted	Painted	Painted	Painted	-	-
Spider arm cover	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Outer ring	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Middle ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Inner ring	Material	Steel	Steel	-	-	Steel	Steel
	Finish	Painted	Painted	-	-	Painted	Painted
Outer/middle ring fixing bolt	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	-	-
	Finish	-	-	-	-	-	-
Inner ring fixing screw	Material	Stainless steel	Stainless steel	-	-	-	-
	Finish	-	-	-	-	-	-
Stainless chain guard fixing screw		-	-	-	-	-	-
Crank fixing screw included		-	-	-	-	✓	✓
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-	-	-
Note				* Only available for crank arm length 170 mm/175 mm			

Crankset

Series		CUES	CUES	CUES	SHIMANO
Model no.		FC-U4010-2	FC-U4010-2B	FC-U4000-1	FC-UT400-1
Color	1	Series color	Series color	Series color	Black
	2	-	-	-	-
Rear speeds		11/10/9 (36-22T, 40-26T), 10/9 (46-30T)	11/10/9	11/10/9	11/10/9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Chain line (mm)		48.8	51.8	52 (30T, 32T), 50 (40T, 42T)	52, 55
O.L.D.	Thru (mm)	142	148	148, 142 (30T, 32T), 142 (40T, 42T)	148, 142
	QR/Nut (mm)	135	141	141, 135 (30T, 32T), 135 (40T, 42T)	141, 135
P.C.D. (mm)		Riveted	Riveted	Riveted	Riveted
Spider/gear arms		4	4	4	4
Chainring combination		36-22T, 40-26T, 46-30T	36-22T	30T, 32T, 40T, 42T	32T
Q-factor (mm)		180	180	178	178
Crank arm length (mm)	160	-	-	-	-
	165	-	-	-	✓
	167.5	-	-	-	-
	170	✓	✓	✓	✓
	172.5	-	-	-	-
	175	✓	✓	✓	✓
	177.5	-	-	-	-
	180	-	-	-	-
Optional chain guard	With bash guard	-	-	-	-
	With chain guard	✓ (40-26T, 46-30T)	-	✓ (40T, 42T)	-
	Without chain/bash guard	✓	✓	✓	✓
HOLLOWTECH II		-	-	-	-
2-PIECE CRANKSET		✓	✓	-	-
HOLLOWTECH crank arm		-	-	-	-
OCTALINK		-	-	-	-
HOLLOWGLIDE		-	-	-	-
Compatible bottom bracket type	Outboard	✓	✓	-	-
	OCTALINK	-	-	-	-
	Square	-	-	✓	✓
Recommended bottom bracket	Threaded (normal)	BB-MT501	BB-MT501	BB-UN101	BB-UN101
	Threaded (E-type)	-	-	-	-
	Threaded (chain case)	BB-MT501	-	BB-UN101-K	-
	Press-Fit	BB-MT500-PA	BB-MT500-PA	-	-
Axle length of BB-UN/ES (mm)		-	-	LL123	LL123
Threaded bottom bracket shell width (mm)	68	✓	✓	✓	✓
	70	-	-	-	-
	73	✓	✓	✓	✓
	83	-	-	-	-
Chain case compatible		✓ (46-30T)	-	✓ (40T, 42T)	-
Crank arm	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted
Crank axle	Material	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated
Spider arm	Material	-	-	Aluminum	-
	Finish	-	-	Painted	-
Spider arm cover	Material	-	-	-	-
	Finish	-	-	-	-
Outer ring	Material	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted
Middle ring	Material	-	-	-	-
	Finish	-	-	-	-
Inner ring	Material	Steel	Steel	-	-
	Finish	Painted	Painted	-	-
Outer/middle ring fixing bolt	Material	-	-	Stainless steel	-
	Finish	-	-	-	-
Inner ring fixing screw	Material	-	-	-	-
	Finish	-	-	-	-
Stainless chain guard fixing screw		-	-	✓	-
Crank fixing screw included		✓	✓	✓	✓
Average weight (g) (170 mm, w/o bottom bracket)		-	-	-	-
Note					

Bottom Bracket (HOLLOWTECH II)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		BB-MT801	BB-MT800-PA	BB-MT501	BB-MT500-PA	BB-UR400
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	✓	-	✓	-	✓
	Press-Fit type	-	✓	-	✓	-
Threaded bottom bracket shell width (mm)	68	✓	-	✓	-	✓
	73	✓	-	✓	-	-
	83	-	-	-	-	-
Press-Fit bottom bracket shell width (mm)	84.5	-	-	-	-	-
	89.5	-	✓	-	✓	-
	92	-	✓	-	✓	-
	104.5	-	-	-	-	-
	107	-	-	-	-	-
Small ball bearing		-	-	-	-	-
Adapter	Material	Aluminum	Resin	Aluminum	Resin	Aluminum
	Finish	Anodized	-	Anodized	-	Painted
Spacer	Material	Aluminum	Resin	Resin	Resin	Resin
	Finish	-	-	-	-	-
Average weight (g)		84	69	-	-	-
Note						Not compatible for E-type FD with BB plate

Series		SHIMANO	SHIMANO
Model no.		BB-RS501	BB-RS500-PB
HOLLOWTECH II bottom bracket	Threaded bottom bracket type	✓	-
	Press-Fit type	-	✓
Threaded bottom bracket shell width (mm)	68	✓	-
	70	✓	-
Press-Fit bottom bracket shell width (mm)	86.5	-	✓
Small ball bearing		-	-
Adapter	Material	Aluminum	Resin
	Finish	Anodized	-
Average weight (g)		93	71
Note			

Bottom Bracket

Series		SHIMANO	SHIMANO
Model no.		BB-UN300	BB-UN101
Structure	Standard	✓	✓
	E-type	-	-
	For chain case	-	-
Spindle	Hollow pipe	-	-
	OCTALINK	-	-
	Square type	✓	✓
Axle length/shell width (mm)	107	68 (BC1.37)	✓
		70 (M36)	-
		73 (BC1.37)	-
	MM110	68 (BC1.37)	✓ **
		70 (M36)	-
		73 (BC1.37)	-
	LL113	68 (BC1.37)	✓ **
		70 (M36)	-
		73 (BC1.37)	✓
	113	68 (BC1.37)	-
		70 (M36)	-
		73 (BC1.37)	-
	D-H	68 (BC1.37)	✓ *
		70 (M36)	-
	YL117	68 (BC1.37)	-
	117.5	68 (BC1.37)	✓ **
	118	68 (BC1.37)	-
		70 (M36)	-
		73 (BC1.37)	-
	XL118	68 (BC1.37)	✓ **
		70 (M36)	-
		73 mm	✓
	121	68 (BC1.37)	-
		70 (M36)	-
		73 (BC1.37)	-
	126	68 (BC1.37)	-
		70 (M36)	-
		73 (BC1.37)	-
	D-NL 122	68 (BC1.37)	✓ **
		70 (M36)	-
		73 (BC1.37)	✓ *
	D-EL 127	68 (BC1.37)	✓ *
		70 (M36)	-
		73 (BC1.37)	-
	LL123	68 (BC1.37)	✓
		70 (M36)	-
		73 (BC1.37)	✓
	123SP	68 (BC1.37)	-
	130	68 (BC1.37)	-
Spindle	Material	Steel	Steel
	Finish	Bonderlube	-
Left hand adapter	Material	Aluminum	Resin
	Finish	-	-
Right hand adapter/shell	Material	Aluminum/Steel	Resin/Steel
	Finish	-	-
Note		* w/ Crank arm fixing screws spec. only ** w/ Crank arm fixing screws spec. is available	* w/ Crank arm fixing screws spec. is available

Cassette

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		CS-LG700-11	CS-LG400-11	CS-LG400-10
Type		LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear speeds		11	11	10
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination name (Group name)		11-45T, 11-50T	11-45T, 11-50T	11-39T, 11-43T, 11-48T**
Combination * Titanium gear	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
	4	-	-	-
	5	-	-	-
	6	-	-	-
	7	-	-	-
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, 7-speed CS-HG400/HG210)	✓ *	✓ *	✓ *
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	1	-	-
	Finish	Painted	-	-
Steel spider arm	QTY (pcs)	-	-	-
	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
	Finish	-	-	-
Steel gear	QTY (pcs)	11	11	10
	Finish	Plated	Plated	Plated
Lock ring	Material	Aluminum	Steel	Steel
	Finish	Anodized	Plated	Plated
Average weight (g)		609 (11-50T)	-	-
Note		* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart ** Silver color is available (NEW)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		CS-LG300-10	CS-LG400-9	CS-LG300-9
Type		LINKGLIDE	LINKGLIDE	LINKGLIDE
Rear speeds		10	9	9
Compatible chain		LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
Combination name (Group name)		11-39T, 11-48T	11-36T, 11-41T, 11-46T	11-36T, 11-41T, 11-46T
Combination * Titanium gear	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
	4	-	-	-
	5	-	-	-
	6	-	-	-
	7	-	-	-
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, 7-speed CS-HG400/HG210)	✓ *	✓ *	✓ *
	HG spline S (7-speed)	-	-	-
Carbon spider arm	QTY (pcs)	-	-	-
	Finish	-	-	-
Aluminum spider arm	QTY (pcs)	-	-	-
	Finish	-	-	-
Steel spider arm	QTY (pcs)	-	-	-
	Finish	-	-	-
Titanium gear	QTY (pcs)	-	-	-
	Finish	-	-	-
Aluminum gear	QTY (pcs)	-	-	-
	Finish	-	-	-
Steel gear	QTY (pcs)	10	9	9
	Finish	MnPO4	Plated	MnPO4
Lock ring	Material	Steel	Steel	Steel
	Finish	MnPO4	Plated	MnPO4
Average weight (g)		-	-	-
Note		* Follow compatibility chart	* Follow compatibility chart	* Follow compatibility chart

Chain

Series	SHIMANO	SHIMANO	SHIMANO
Model no.	CN-E8000-11	CN-HG701-11	CN-LG500
Type	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed	LINKGLIDE, HG 11-speed
E-BIKE rear derailleur system compatible	✓	✓	✓
Pin link plate	SIL-TEC	SIL-TEC	Gray
Roller link plate	Chromizing	SIL-TEC	Gray
Roller	-	-	-
Chromizing treatment roller link pin	✓	✓	✓
Hollow pin	-	-	-
Average weight (g) (114 links)	257	257	257
Note	Used only with front single		

Disc Brake Rotor

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	
Model no.		RT-CL800	SM-RT66	SM-RT64	SM-RT56	SM-RT54	SM-RT30	
CENTER LOCK		✓	-	✓	-	✓	✓	
6-bolt (P.C.D. 44 mm)		-	✓	-	✓	-	-	
ICE TECHNOLOGIES		✓	-	-	-	-	-	
ICE TECHNOLOGIES FREEZA		✓	-	-	-	-	-	
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint		-	-	-	-	-	-	
Outside diameter (mm)	220	-	✓	✓	-	-	-	
	203	✓	✓	✓	-	-	✓	
	180	✓	✓	✓	✓	✓	✓	
	160	✓	✓	✓	✓	✓	✓	
	140	✓	-	✓	-	-	-	
Adapter	Material	Aluminum	-	Aluminum	-	Aluminum	Stainless steel	
	Finish	Painted	-	Painted	-	Painted	Painted	
Rotor	Material	Stainless steel +Aluminum +Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Finish	Polished	Polished	Polished	Polished	Polished	Polished	
Pad material compatibility	Metal	✓	✓	✓	-	-	-	
	Resin	✓	✓	✓	✓	✓	✓	
Pad lining shape compatibility	Narrow	✓	✓	✓	✓	✓	✓	
	Wide	-	-	-	✓	✓	✓	
Lock ring	Internal type	Material	Aluminum	-	Steel	-	Steel	-
		Finish	Anodized	-	Plated	-	Plated	-
	External type	Material	Aluminum	-	Steel	-	Steel	-
		Finish	Anodized	-	Plated	-	Plated	-
	Internal/external type	Material	-	-	-	-	-	Steel
		Finish	-	-	-	-	-	Painted
	Internal type with magnet for EW-SS302	Material	Aluminum (except 140 mm)	-	Aluminum	-	-	Aluminum
		Finish	Anodized (except 140 mm)	-	Anodized	-	-	Anodized
Average weight (g) (w/o lock ring)		97 (140 mm), 114 (160 mm), 139 (180 mm), 169 (203 mm)	-	-	-	-	-	
Note			With anti loosen tightening plate		With anti loosen tightening plate			

Disc Brake Rotor

Series		SHIMANO	SHIMANO
Model no.		SM-RT26	SM-RT10
CENTER LOCK		-	✓
6-bolt (P.C.D. 44 mm)		✓	-
ICE TECHNOLOGIES		-	-
ICE TECHNOLOGIES FREEZA		-	-
ICE TECHNOLOGIES FREEZA w/ heat dissipation paint		-	-
Outside diameter (mm)	220	-	-
	203	-	-
	180	✓	✓
	160	✓	✓
	140	✓	-
Adapter	Material	-	Steel
	Finish	-	Painted
Rotor	Material	Stainless steel	Stainless steel
	Finish	Polished	Polished
Pad material compatibility	Metal	-	-
	Resin	✓	✓
Pad lining shape compatibility	Narrow	✓	✓
	Wide	✓	✓
Lock ring	Internal type	Material	-
		Finish	-
	External type	Material	-
		Finish	-
	Internal/external type	Material	-
		Finish	-
	Internal type with magnet for EW-SS302	Material	-
		Finish	-
Average weight (g) (w/o lock ring)		-	-
Note		With anti loosen tightening plate	

Front Hub (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		HB-QB400	HB-QC400	HB-QC300	HB-TC500-12	HB-TC500-15	HB-TC500-15-B
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	-	-	-
	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
Spoke hole	28H	-	-	✓	✓	✓	✓
	32H	✓	✓	✓	✓	✓	✓
	36H	✓	✓	✓	✓	✓	✓
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	-	✓	✓	✓	✓	✓
CENTER LOCK mount cover option		✓	✓	✓	-	-	-
Axle fixing method		Quick release	Quick release	Quick release	12 mm E-THRU	15 mm E-THRU	15 mm E-THRU
Quick release skewer length (mm)	129	-	-	✓	-	-	-
	133	✓	✓	✓	-	-	-
Thru axle (length x inner diameter ; mm)	100 x 12	-	-	-	✓	-	-
	100 x 15	-	-	-	-	✓	-
	110 x 15	-	-	-	-	-	✓
	110 x 20	-	-	-	-	-	-
Flange distance (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
Seal		Contact	Contact	Contact	Labyrinth+Contact	Labyrinth+Contact	Labyrinth+Contact
Internal grease sleeve		-	-	-	-	-	-
Bearing	Stainless ball	-	-	-	-	-	-
	Cup	-	-	-	-	-	-
	Cone	-	-	-	-	-	-
	Cartridge	✓	✓	-	✓	✓	✓
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Anodized	Anodized	Anodized
Axle	Material	Steel	Steel	Steel	-	-	-
	Finish	-	-	-	-	-	-
Quick release lever	Material	Aluminum	Aluminum	Steel	-	-	-
	Finish	Plated	Plated	Plated	-	-	-
Quick release housing	Material	Steel	Steel	Steel	-	-	-
	Finish	Plated	Plated	Plated	-	-	-
Quick release nut	Material	Steel+Resin	Steel+Resin	Steel+Resin	-	-	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Note							

Front Hub (Rim/Disc Brake)

Series		SHIMANO
Model no.		HB-RS470
Color	1 Hub shell	Black
	1 Quick release	-
	2 Hub shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
O.L.D. (mm)		100
Spoke hole	24H	-
	28H	✓
	32H	✓
	36H	-
Axle fixing method		12 mm E-THRU
Quick release skewer length (mm)	129	-
	133	-
Thru axle (length x inner diameter ; mm)	100 x 8	-
	100 x 12	✓
	100 x 15	-
	110 x 20	-
Flange distance (mm)		59.6
Offset (mm)		6.3
P.C.D. left / right (mm)		44
Flange diameter (mm)		52.8
Seal		Contact
Internal grease sleeve		✓
Digital adjustment system		-
Bearing	Stainless ball	-
	Cup	Polish
	Cone	CBN+Polish
Hub shell	Material	Aluminum
	Finish	Anodized
Axle	Material	Aluminum
	Finish	-
Quick release lever	Material	-
	Finish	-
Quick release housing	Material	-
	Finish	-
Quick release nut	Material	-
	Finish	-
Radial lacing		✓
Average weight (g) (w/o axle and lock ring)		
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-HL
Color	1 Hub shell	Black	Black	Black	Black	Black	Black
	1 Quick release	Black	Black	Black	Black	-	-
	2 Hub shell	-	Silver (NEW)	-	-	-	-
	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		11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	11/10/9/8/7	12/11
O.L.D. (mm)		135	135	141	135	148	142
Spoke hole	24H	-	-	-	-	-	-
	28H	-	-	-	-	✓	✓
	32H	✓	✓	✓	✓	✓	✓
	36H	✓	✓	✓	✓	✓	-
10 tooth cog compatible		-	-	-	-	-	-
External serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	✓	✓	✓	✓	✓	✓
Internal serration disc brake rotor lock ring	With	-	-	-	-	-	-
	Without	✓	✓	✓	✓	✓	✓
CENTER LOCK mount cover option		-	✓	-	✓	-	-
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	-	-	-	✓	-	-
	168	✓	✓	-	-	-	-
	170	-	-	-	✓	-	-
	172	-	-	-	-	-	-
	173	✓	✓	-	-	-	-
	174	-	-	✓	-	-	-
	176	-	-	-	-	-	-
	178	-	-	✓	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-	-	-	-
	135 x 12	-	-	-	-	-	-
	142 x 12	-	-	-	-	-	✓
	148 x 12	-	-	-	-	✓	-
	150 x 12	-	-	-	-	-	-
	157 x 12	-	-	-	-	-	-
Flange distance (mm)		54.5	55.45	61.45	55.45	61.1	55.45
Offset (mm)		6.1	7.6	7.6	7.6	7.19	7.6
P.C.D. left / right (mm)		61.7/61.7	45/45	45	45/45	60/61	50.5/51.5
Flange diameter left / right (mm)		70.6/70.6	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, 7-speed CS-HG400/HG210)	✓	✓	✓	✓	✓	-
	HG spline S (7-speed)	-	-	-	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		-	-	-	-	✓ (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	✓	✓	✓	-	✓	✓
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	Aluminum
	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	Painted	Plated	Painted	Plated	-	-
Quick release nut	Material	Steel+Resin	Steel+Resin	Steel+Resin	Steel+Resin	-	-
	Finish	-	-	-	-	-	-
Disc brake rotor lock ring	Material	-	-	-	-	-	-
	Finish	-	-	-	-	-	-
Note							

FREEHUB (Disc Brake)

Series		SHIMANO	SHIMANO	SHIMANO
Model no.		FH-TC500-HM	FH-TC500-HM-B	FH-UR600
Color	1 Hub shell	Black	Black	Black
	1 Quick release	-	-	Black
	2 Hub shell	-	-	-
	2 Quick release	-	-	-
Brake type		CENTER LOCK disc brake	CENTER LOCK disc brake	CENTER LOCK disc brake
Rear speeds		11/10/9/8/7	11/10/9/8/7	11/10 *
O.L.D. (mm)		142	148	135
Spoke hole	24H	-	-	-
	28H	✓	✓	-
	32H	✓	✓	✓
	36H	✓	✓	✓
10 tooth cog compatible		-	-	-
External serration disc brake rotor lock ring	With	-	-	-
	Without	✓	✓	✓
Internal serration disc brake rotor lock ring	With	-	-	-
	Without	✓	✓	✓
CENTER LOCK mount cover option		-	-	✓
Axle fixing method		12 mm E-THRU	12 mm E-THRU	Quick release
Quick release skewer length (mm)	166	-	-	-
	168	-	-	✓
	170	-	-	-
	172	-	-	-
	173	-	-	✓
	174	-	-	-
	176	-	-	-
	178	-	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-	-
	135 x 12	-	-	-
	142 x 12	✓	-	-
	148 x 12	-	✓	-
	150 x 12	-	-	-
	157 x 12	-	-	-
Flange distance (mm)		55.45	61.45	55.7
Offset (mm)		7.6	7.6	7.45
P.C.D. left / right (mm)		50.5/51.5	50.5/51.5	44.6/44.6
Flange diameter left / right (mm)		59.3/60.3	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)	-	-	✓
	HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210)	✓	✓	-
	HG spline S (7-speed)	-	-	-
Engagement type		Pawl ratchet	Pawl ratchet	Pawl ratchet
Quick engagement		-	-	-
Seal	Hub	Labyrinth+Contact	Labyrinth+Contact	Contact
	FREEHUB body	Contact	Contact	Contact
Internal grease sleeve		-	-	✓
Digital adjustment system		-	-	-
Bearing	Stainless ball	-	-	-
	Cup	-	-	Polish
	Cone	-	-	CBN
	Cartridge	✓	✓	-
FREEHUB body	Material	Steel	Steel	Steel
	Finish	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
Axle	Material	Steel	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.

FREEHUB (Rim/Disc Brake)

Series		SHIMANO
Model no.		FH-RS470
Color	1 Hub shell	Black
	1 Quick release	-
	2 Hub shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
Rear speeds		11/10 *
O.L.D. (mm)		142
Spoke hole	24H	-
	28H	✓
	32H	✓
	36H	-
External serration disc brake rotor lock ring	With	-
	Without	-
Internal serration disc brake rotor lock ring	With	-
	Without	✓
CENTER LOCK mount cover option		-
Axle fixing method		12 mm E-THRU
Quick release skewer length (mm)	161	-
	163	-
	166	-
	168	-
	170	-
	173	-
Thru axle (length x inner diameter ; mm)	135 x 10	-
	135 x 12	-
	142 x 12	✓
	148 x 12	-
	150 x 12	-
Flange distance (mm)		55.7
Offset (mm)		7.45
P.C.D. left / right (mm)		44/45
Flange diameter left / right (mm)		52.8/53.8
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, 7-speed CS-HG400/HG210)	-
	HG spline S (7-speed)	-
Seal	Hub	Contact
	FREEHUB body	Contact
Internal grease sleeve		✓
Digital adjustment system		-
Bearing	Stainless ball	-
	Cup	Polish
	Cone	CBN
FREEHUB body	Material	Steel
	Finish	-
Hub shell	Material	Aluminum
	Finish	Anodized
Axle	Material	Steel
	Finish	-
Quick release lever	Material	-
	Finish	-
	Color	-
Quick release housing	Material	-
	Finish	-
Quick release nut	Material	-
	Finish	-
Disc brake rotor lock ring	Material	-
	Finish	-
Radial lacing		-
Average weight (g) (w/o axle, quick release nor lock ring)		-
Note		* Can be used for 10-speed with an additional spacer

Hub Dynamo

Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		DH-UR708-3D	DH-UR705-3D	DH-UR700-3D	DH-3D37-QR
Regulation	StVZO	✓	✓	✓	✓
	TPGBi	-	-	-	✓
	JIS	-	-	-	-
	Others	ISO	-	-	-
Color	1 Hub shell	Silver	Silver	Silver	Silver
	1 Quick release	-	-	Silver	-
	2 Hub shell	Black	Black	Black	Black
	2 Quick release	-	-	Black	-
Brake type		Disc brake	Disc brake	Disc brake	Disc brake
CENTER LOCK mount type		✓	✓	✓	✓
Voltage (V)		6	6	6	6
Output (W)		3	3	3	3
Wheel size	26-28 inch	✓	✓	✓	-
	20-28 inch	-	-	-	-
	18-28 inch	-	-	-	-
	16-28 inch	-	-	-	✓
	24-28 inch	-	-	-	-
	20-24 inch	-	-	-	-
	16-20 inch	-	-	-	-
	Compatible wheel size (mm)	(646-716)	(646-716)	(646-716)	(400 - 716)
Axle fixing method		15 mm E-THRU	12 mm E-THRU *	Quick release	Quick release
Quick release type		-	-	✓	✓
Nut type		-	-	-	-
E-THRU type		✓ *	✓ *	-	-
Quick release skewer length (mm)	129	-	-	-	-
	133	-	-	✓	✓
Thru axle (length x inner diameter ; mm)	100 x 12	-	✓	-	-
	100 x 15	✓	-	-	-
O.L.D. (mm)		100	100	100	100
Flange distance (mm)		52	52	52	51
Offset (mm)		3.5	3.5	3.5	4
P.C.D. left / right (mm)		62	62	62	74
Axle length (mm)		100	100	108	108
Spoke size		#14	#14	#14	#14
Spoke hole	24H	-	-	-	-
	28H	-	-	-	-
	32H	✓	✓	✓	✓
	36H	✓	✓	✓	✓
Seal		Single contact	Single contact	Single contact	Single contact
Roller brake modulator grade	More than 26 inch high	-	-	-	-
	More than 26 inch standard	-	-	-	-
	20-24 inch	-	-	-	-
Electric power output connector	J1 type	-	-	-	-
	J2 type	-	-	-	-
	E2 type	✓	✓	✓	✓
	Others	-	-	-	-
Hub shell	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Painted
Axle	Material	-	-	Aluminum	Steel
	Finish	-	-	Chromated	Zinc plated
Quick release lever	Material	-	-	Aluminum	Steel
	Finish	-	-	Anodized	Nickel plated
Quick release housing	Material	-	-	Aluminum	Steel
	Finish	-	-	Anodized	Nickel plated
Quick release nut	Material	-	-	Steel+Resin	Steel+Resin
	Finish	-	-	-	-
Average weight (g)		459 (w/o QR)	450	476 (w/o QR)	650
Note			Recommended E-THRU axle: SM-AX720		

Shift Switch

Series			SHIMANO
Model no.			SW-EN605-R
Switch type			Fixed button position
Position			Clamp band
Di2 connectivity wired	Di2 shifting		-
Di2 connectivity wireless	Di2 shifting		✓
Button numbers (pcs)			3
Master unit			-
Firmware update by E-TUBE PROJECT			-
SD50 port (pcs)			0
SD300 port (pcs)			0
SD50 connector (pcs)			0
SD300 connector (pcs)			0
Switch1	Default function		RD outward
	Multiple input	2 step	-
		Hold	✓
	Adjustable lever position		-
Switch2	Default function		RD inward
	Multiple input	2 step	-
		Hold	✓
	Adjustable lever position		-
Switch3	Default function		Shifting mode
	Multiple input	2 step	-
		Hold	✓
Suspension switch			-
Battery			CR1632 x 2
LED	Shimano system status		✓
Average weight (g)			
Note			-

Switch Unit

Series			SHIMANO
Model no.			SW-EN600-R
Switch type			-
Color	1		Black
	2		-
	3		-
Battery management system			Second generation
Usage			For SEIS shift
Right SW			✓
Left SW			-
Button numbers (pcs)			3
Master unit			-
Firmware update by E-TUBE PROJECT			✓
SD50 port (pcs)			0
SD300 port (pcs)			1
SD50 connector (pcs)			0
SD300 connector (pcs)			0
System On-Off			-
Assist mode change			-
Display change			-
Automatic/manual change			✓
Light On-Off			-
Multiple input	2 step		-
	Hold		** ✓
LED	Battery level		-
	Assist status		-
Wireless function	Blue-tooth® LE custom (*1)	Di2 data items	-
		SHIMANO E-BIKE SYSTEMS data items	-
	ANT private (*2)	Di2 data items	-
		SHIMANO E-BIKE SYSTEMS data items	-
Average weight (g)			22
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.			** Available for rear derailleur

Di2 spec. Rear Derailleur

Series			CUES	CUES	CUES	CUES
Model no.			RD-U8050-SGS	RD-U8050-GS	RD-U6070	RD-U6050
Color	1		Series color	Series color	Series color	Series color
	2		-	-	-	-
Rear speeds			11/10	10	11	10
RD construction	SHIMANO SHADOW RD		✓	✓	✓	✓
	SHIMANO SHADOW RD+		-	-	-	-
	Double servo		-	-	-	-
	SHADOW ES		-	-	-	-
Applicable derailleur hanger	SHIMANO MTB type	Direct attachment (conventional)	✓	✓	✓	✓
		Direct mount	-	-	-	-
	SHIMANO ROAD type	Direct attachment (conventional)	-	-	-	-
		Direct mount	-	-	-	-
	UDH standard		✓	✓	✓	✓
Max. front difference			Single	Single	Single	Single
Total capacity			39T	32T	39T	32T
Low sprocket	Max.		50T	43T	50T	43T
	Min.		45T	43T	50T	43T
Top sprocket	Max.		11T	11T	11T	11T
	Min.		11T	11T	11T	11T
Fluoric coated link bushings			2	2	2	2
Pulley	Guide pulley bearing		-	-	-	-
	Tension pulley bearing		-	-	-	-
	Teeth		11T	11T	11T	11T
	Screws material		Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Sunken type pulley screw		✓	✓	✓	✓
Bracket	Material		Steel	Steel	Steel	Steel
	Finish		Painted	Painted	Painted	Painted
B-axle	Hollow axle		✓	✓	✓	✓
	Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
Finish		Painted	Painted	Painted	Painted	
	B-axle 2	Hollow axle		-	-	-
Material		Aluminum	Aluminum	Stainless steel	Stainless steel	
	Finish	Anodized	Anodized	Painted	Painted	
Bracket body		Material		Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	
P-axle		Material		Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	
Plate body		Material		PA+GF	PA+GF	PA+GF
	Finish	-	-	-	-	
Outer link		Material		PA+GF	PA+GF	PA+GF
	Finish	Painted	Painted	Painted	Painted	
Inner link		Material		Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	
Outer plate		Material		Aluminum	Aluminum	Steel
	Finish	Painted	Painted	Painted	Painted	
Inner plate		Material		Aluminum	Aluminum	Steel
	Finish	Painted	Painted	Painted	Painted	
Stroke adjusting screw		Material		Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	
Di2 connectivity wired		Di2 shifting		✓	✓	✓
	Di2 shifting		✓	✓	-	-
Di2 connectivity wireless	Bluetooth® LE ANT+	Cycling power	-	-	-	-
		Bicycle power	-	-	-	-
	Bluetooth® LE custom (*1)	Adjust mode information	✓	✓	-	-
		Di2 battery level	✓	✓	-	-
		Gear position	✓	✓	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	-	-	-	-
		Compatible with E-TUBE RIDE	✓	✓	-	-
		Compatible with E-TUBE PROJECT	✓	✓	-	-
	ANT private (*2)	Adjust mode information	✓	✓	-	-
		Di2 battery level	✓	✓	-	-
		Gear position	✓	✓	-	-
		SHIMANO E-BIKE SYSTEMS data items (*3)	-	-	-	-
		Firmware update by E-TUBE PROJECT	✓	✓	✓	✓
	SD50 port (pcs)		0	0	0	0
	SD300 port (pcs)		1 *	1 *	1	1
SD50 connector (pcs)		0	0	0	0	
SD300 connector (pcs)		0	0	0	0	
LED for system status		✓	✓	✓	✓	
Power supply	Built-in battery		-	-	-	-
	Wired		✓	✓	✓	✓
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 E-BIKE SYSTEMS bike.			* Compatible with EW-PS300	* Compatible with EW-PS300		

AUTO SHIFT Dynamo FREEHUB

Series		CUES
Model no.		FH-U6060
Color	1 Hub shell	Series color
	1 Quick release	-
	2 Hub shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
Rear speeds		11/10
O.L.D. (mm)		142
Spoke hole	24H	-
	28H	✓
	32H	✓
	36H	✓
10 tooth cog compatible		-
External serration disc brake rotor lock ring	With	-
	Without	-
Internal serration disc brake rotor lock ring	With	-
	Without	-
CENTER LOCK mount cover option		-
Axle fixing method		12 mm E-THRU
Quick release skewer length (mm)	166	-
	168	-
	170	-
	172	-
	173	-
	174	-
	176	-
	178	-
Thru axle (length x inner diameter ; mm)	135 x 10	-
	135 x 12	-
	142 x 12	✓
	148 x 12	-
	150 x 12	-
	157 x 12	-
Flange distance (mm)		52.5
Offset (mm)		7.7
P.C.D. left / right (mm)		71.6/71.6
Flange diameter left / right (mm)		80.3/80.3
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, 7-speed CS-HG400/HG210)	✓
	HG spline S (7-speed)	-
Engagement type		Pawl ratchet
Quick engagement		-
Seal	Hub	Contact
	FREEHUB body	Contact
Internal grease sleeve		-
Digital adjustment system		-
Bearing	Stainless ball	-
	Cup	-
	Cone	-
	Cartridge	✓
FREEHUB body	Material	Steel
	Finish	-
Hub shell	Material	Aluminum
	Finish	Painted
Axle	Material	Steel
	Finish	-
Quick release lever	Material	-
	Finish	-
Quick release housing	Material	-
	Finish	-
Quick release nut	Material	-
	Finish	-
Disc brake rotor lock ring	Material	-
	Finish	-
Average weight (g) (w/o axle, quick release nor lock ring)		-
Note		Use EW-SD300 compatible cable

Compatibility (in English only)

Cautions regarding LINKGLIDE 11-speed type LINKGLIDE cassette and FREEHUB compatibility

Drivetrain for MTB, LIFESTYLE components

Rear drivetrain compatibility

- 9,10,11-speed rear drivetrain compatibility
- 11-speed rear drivetrain
- 10-speed rear drivetrain
- 9-speed rear drivetrain

Front drivetrain compatibility

- 11-speed front drivetrain
- 10-speed front drivetrain
- 9-speed front drivetrain

Crankset, bottom bracket and chain line [MTB, LIFESTYLE]

- Separate type FC-BB compatibility [MTB, LIFESTYLE]

Drivetrain for ROAD, Gravel, LIFESTYLE components

Rear drivetrain compatibility

Front drivetrain compatibility

Brake system for ROAD, Gravel, LIFESTYLE components

Hydraulic systems compatibility [URBAN, LIFESTYLE]

Compatibility of BL-U8000 with shifter

Compatibility of BL-UR405 with shifter

I-SPEC

Compatibility of I-SPEC shifter and brake lever

Compatibility of Shift Switch and I-SPEC brake lever

Disc brake

Disc brake caliper and rotor compatibility

Compatibility between hydraulic disc brake hose

- MTB, Trekking, URBAN, LIFESTYLE
- ROAD, Gravel, LIFESTYLE

Compatibility between banjo screw

Brake pad line-up

- Brake pad for hydraulic disc brake (4-piston)
- Brake pad for hydraulic disc brake (2-piston) and mechanical disc brake

Spoke protector

Spoke protector

MTB, Gravel, LIFESTYLE

E-BIKE compatibility chart

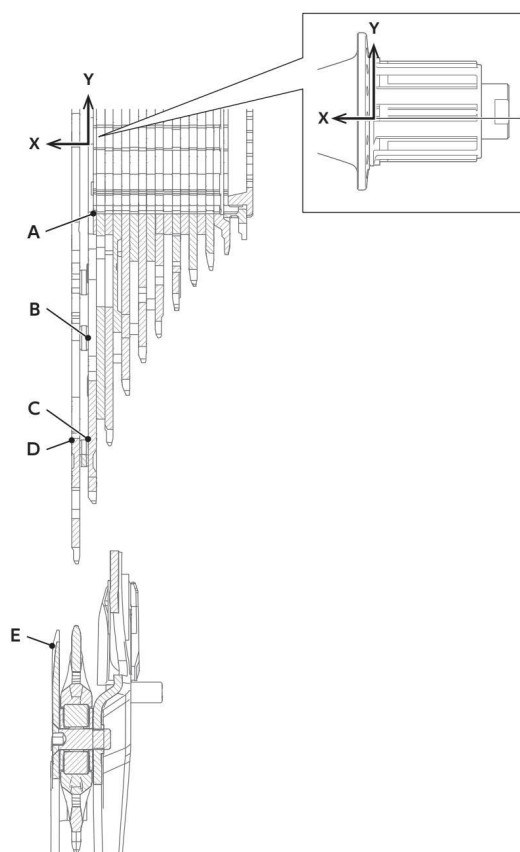
Switch unit / cycle computer and brake lever compatibility

Electronic Product Information

Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.4.2

Cautions regarding LINKGLIDE 11-speed type

When using 11-speed type LINKGLIDE, interference may occur with the rear derailleur and spokes. Check dimensions beforehand, and check that points D and E do not interfere with the spokes or other parts.



Model No.		A	B	C	D	E
CS-LG700-11 (11-45T)	X mm	0	1.2	1.2	5.8	10
	Y mm	-19.3	-52.5	-62	-62	-104.4
CS-LG700-11 (11-50T)	X mm	0	1.2	1.2	5.85	10
	Y mm	-19.3	-51	-70	-70	-124
CS-LG400-11 (11-45T)	X mm	0	1.2	1.2	5.5	10
	Y mm	-16.25	-51.5	-62	-62	-104.4
CS-LG400-11 (11-50T)	X mm	0	1.2	1.2	5.5	10
	Y mm	-16.25	-42.3	-71	-71	-124

TECH TIPS

It is also possible to check for interference by using the cassettes listed below and measuring the clearance between the largest sprocket and the spokes, etc.

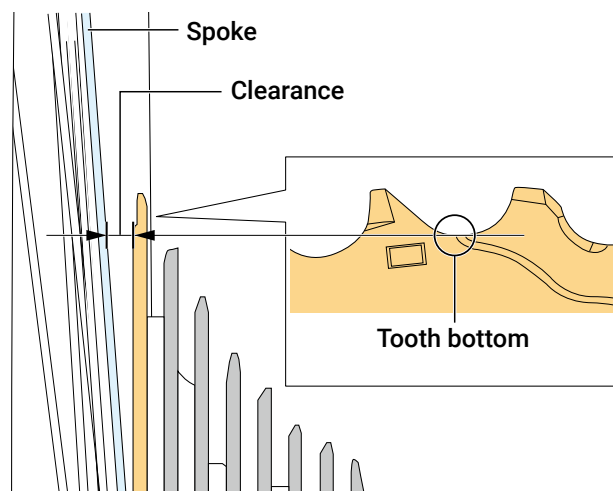
HG 11-speed 11-51T (CS-M5100): 8.5 mm or more

HG 11-speed 11-46T (CS-M8000 / CS-M7000): 7.5 mm or more

LG 11-speed 11-50T (CS-LG600): 5.1 mm or more

LG 11-speed 11-45T (CS-LG700 / CS-LG400): 4.3 mm or more

* The latest model information can be accessed on our website (<https://productinfo.shimano.com/#/>).



LINKGLIDE cassette and FREEHUB compatibility

C-649

LINKGLIDE cassette are not compatible with MICRO SPLINE FREEHUB.

Freewheel body type	FREEHUB spec.	Model No.	CS-LG700-11 CS-LG600-11 CS-LG400-11	CS-LG600-10 CS-LG400-10 CS-LG300-10	CS-LG400-9 CS-LG300-9
HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400-7 / CS-HG210-7)	O.L.D. 148 mm, E-THRU type	FH-M8010-B	✓	✓	✓
		FH-M6010-B			
		FH-TC600-HM-B			
		FH-TC500-HM-B			
		FH-MT400-B			
	O.L.D. 141 mm, Quick release type	FH-MT200-B	✓	✓	✓
		FH-QC400-HM-B			
	O.L.D. 150 mm, E-THRU type	FH-M825	✓	✓	✓
	O.L.D. 135 mm, E-THRU type	FH-M820	- *2	✓	✓
	O.L.D. 142 mm, E-THRU type	FH-M8010	- *2	✓	✓
		FH-M6010			
		FH-MT400			
		FH-TC500-HM			
	O.L.D. 135 mm, Quick release type	FH-M9000	- *2	✓	✓
		FH-M8000			
		FH-M6000			
		FH-M4050			
		FH-M3050			
		FH-RM35			
		FH-TX505-8			
		FH-M756-A			
		FH-M525			
		FH-M475			
		FH-TX506			
		FH-T610			
		FH-T3000			
		FH-TX500-8-QR			
		FH-TX500-8-NT			
		FH-QC400-HM	✓	✓	✓
		FH-QC300-HM			
		FH-M5100			
		FH-QB400-HM	- *2	✓	✓
	O.L.D. 130 mm, Quick release type	FH-RS300			
	O.L.D. 135 mm, Nut type	FH-NN300-HM			
HG spline L (ROAD 12/11-speed)	O.L.D. 142 mm, E-THRU type	FH-TC500-HL	✓ *1	✓ *1	✓ *1
		FH-R7070			
		FH-RS770			
		FH-RS470			
	O.L.D. 135 mm, Quick release type	FH-UR600	✓ *1	✓ *1	✓ *1
	O.L.D. 130 mm, Quick release type	FH-R7000	- *2	✓ *1	✓ *1
		FH-RS400			

*1 Need low spacer (1.85 mm.)

*2 Interference may occur with the rear derailleur and spokes.

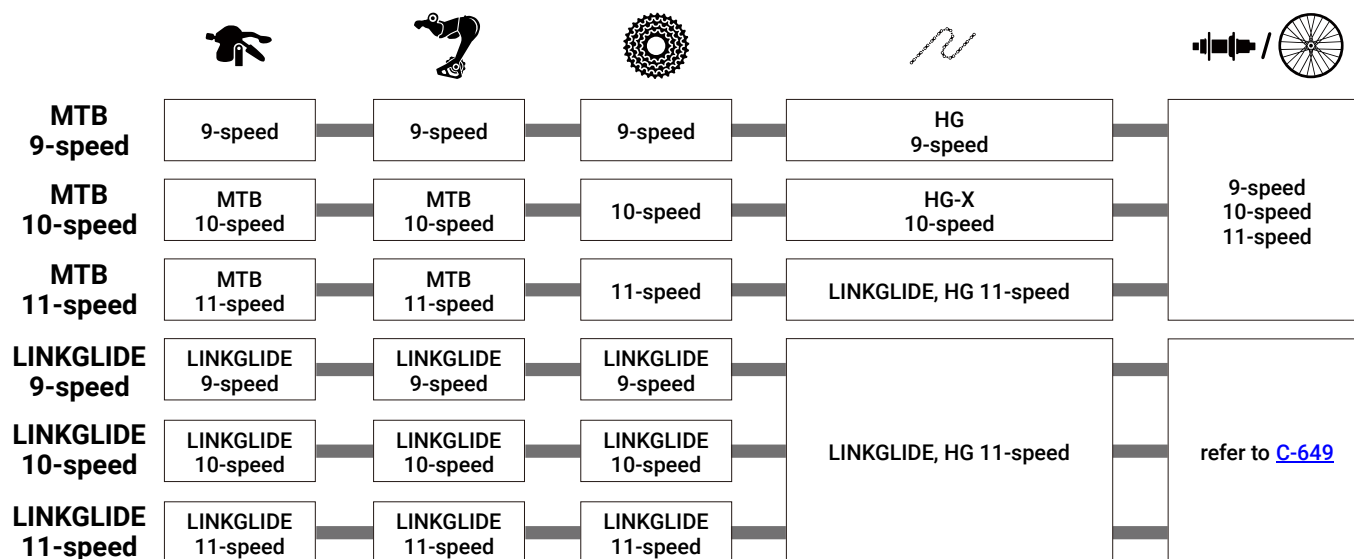
Drivetrain for MTB, LIFESTYLE components

C-432

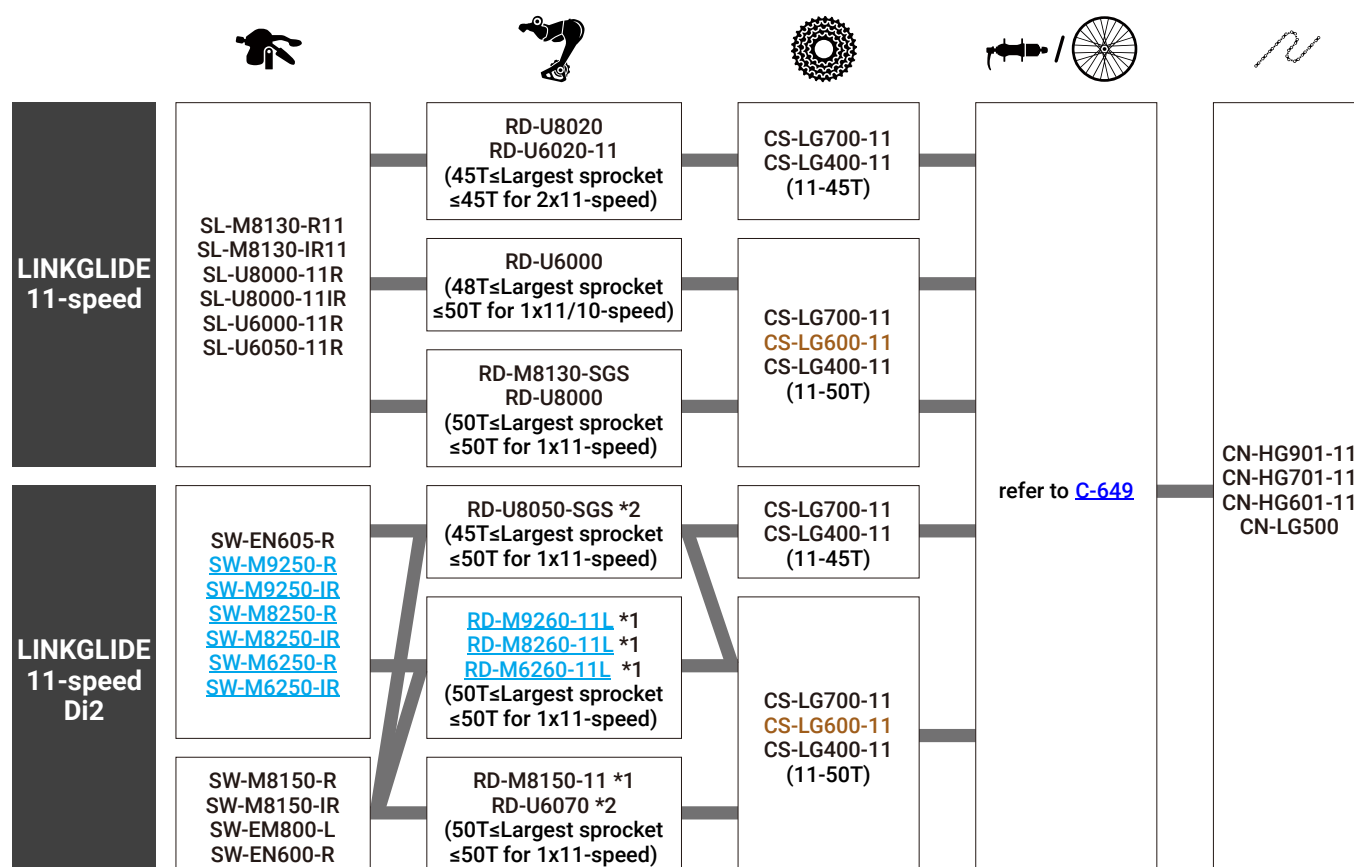
Rear drivetrain compatibility [MTB, LIFESTYLE]

C-433

9,10,11-speed rear drivetrain compatibility C-434



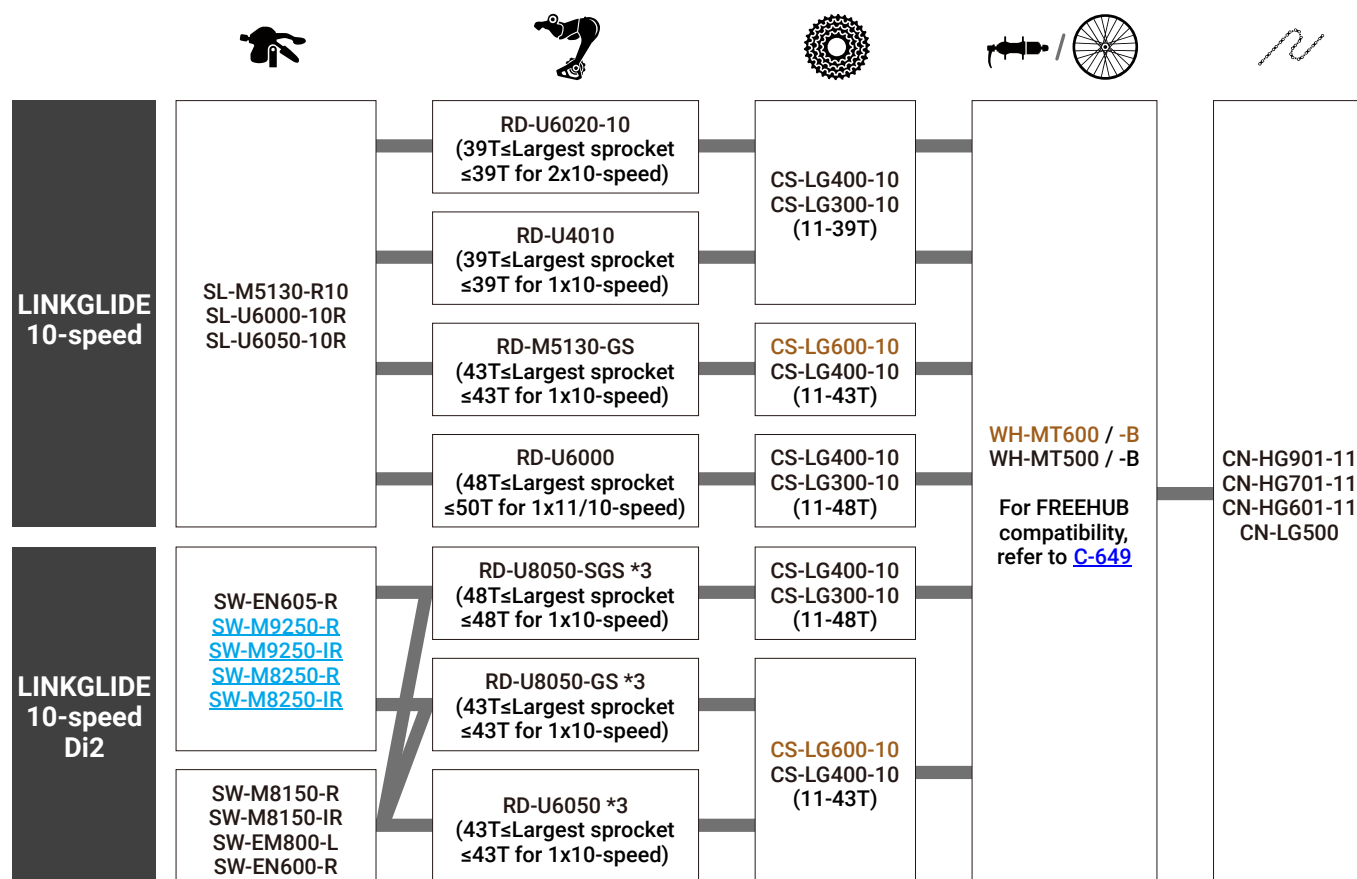
11-speed rear drivetrain [MTB, LIFESTYLE] C-435



*1 Only for E-BIKE

*2 For E-BIKE or Q'AUTO ([FH-U6060](#)) bike

10-speed rear drivetrain [MTB, LIFESTYLE] C-436

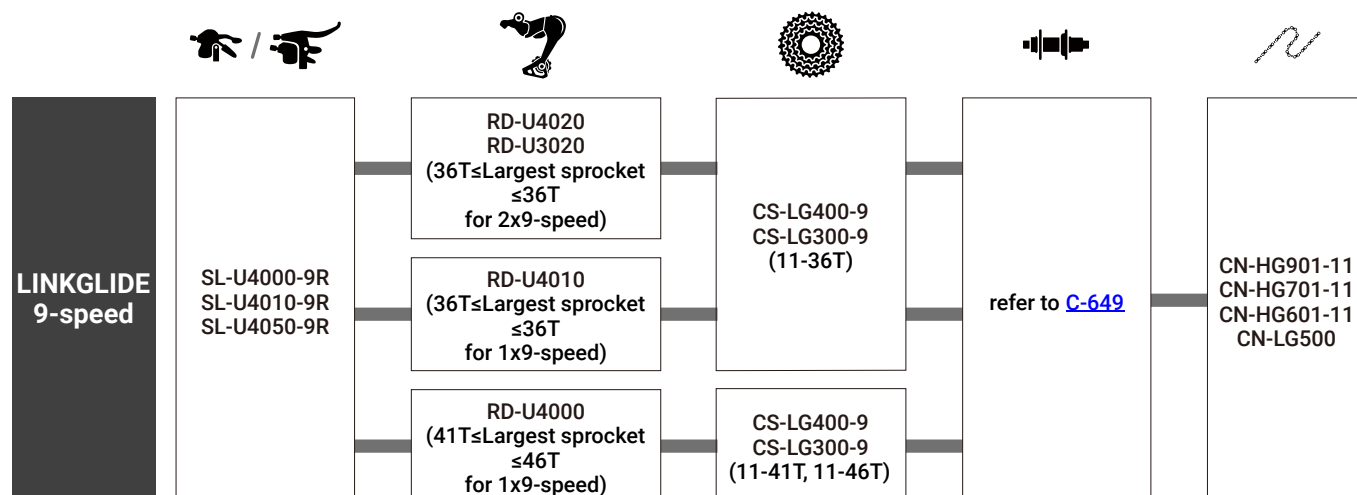


*1 Mode converter

*2 Compatible with ROAD cassette

*3 For E-BIKE or Q'AUTO ([FH-U6060](#)) bike

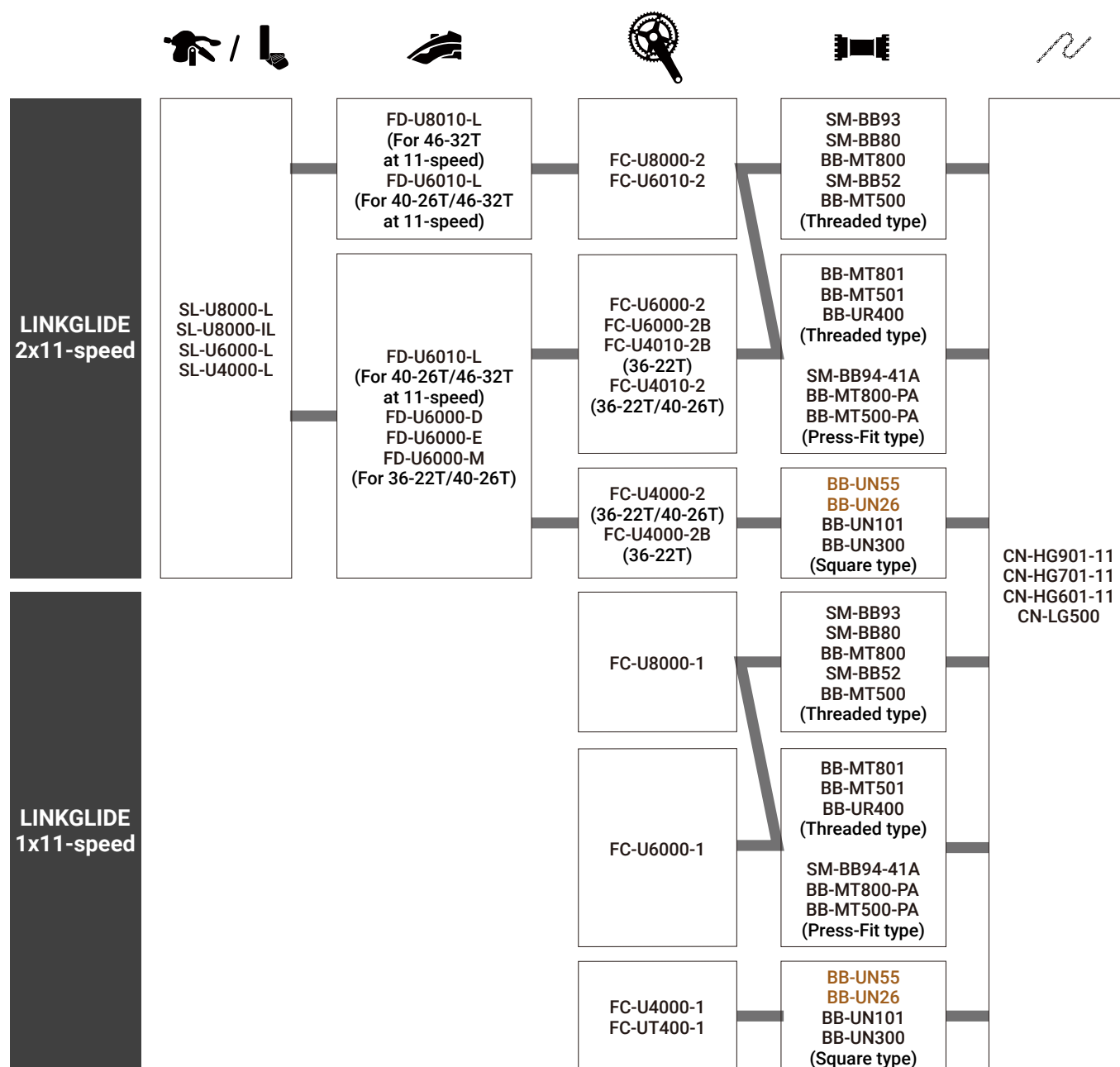
9-speed rear drivetrain [MTB, LIFESTYLE] C-437



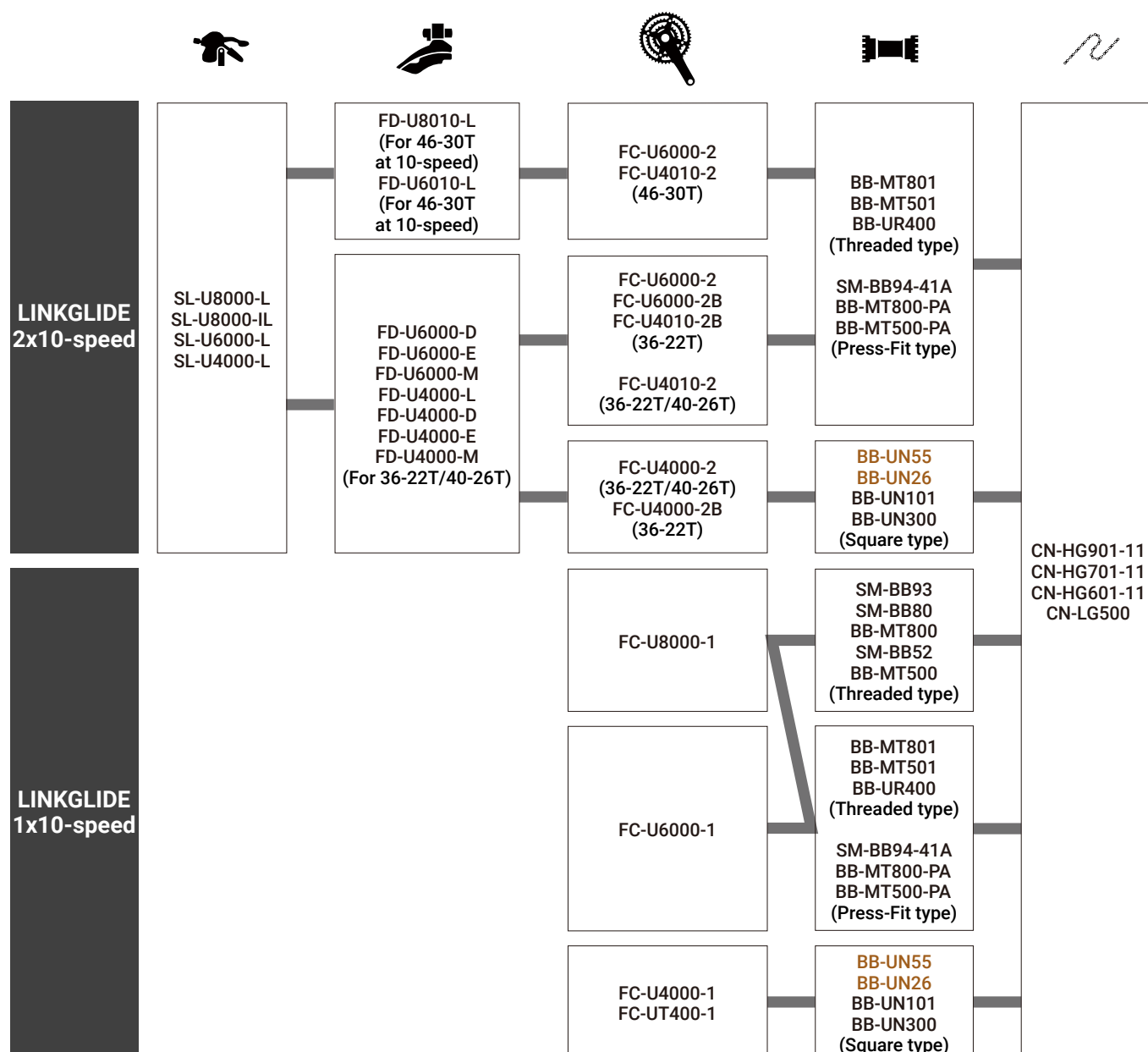
Front drivetrain compatibility [MTB, Trekking, LIFESTYLE]

C-440

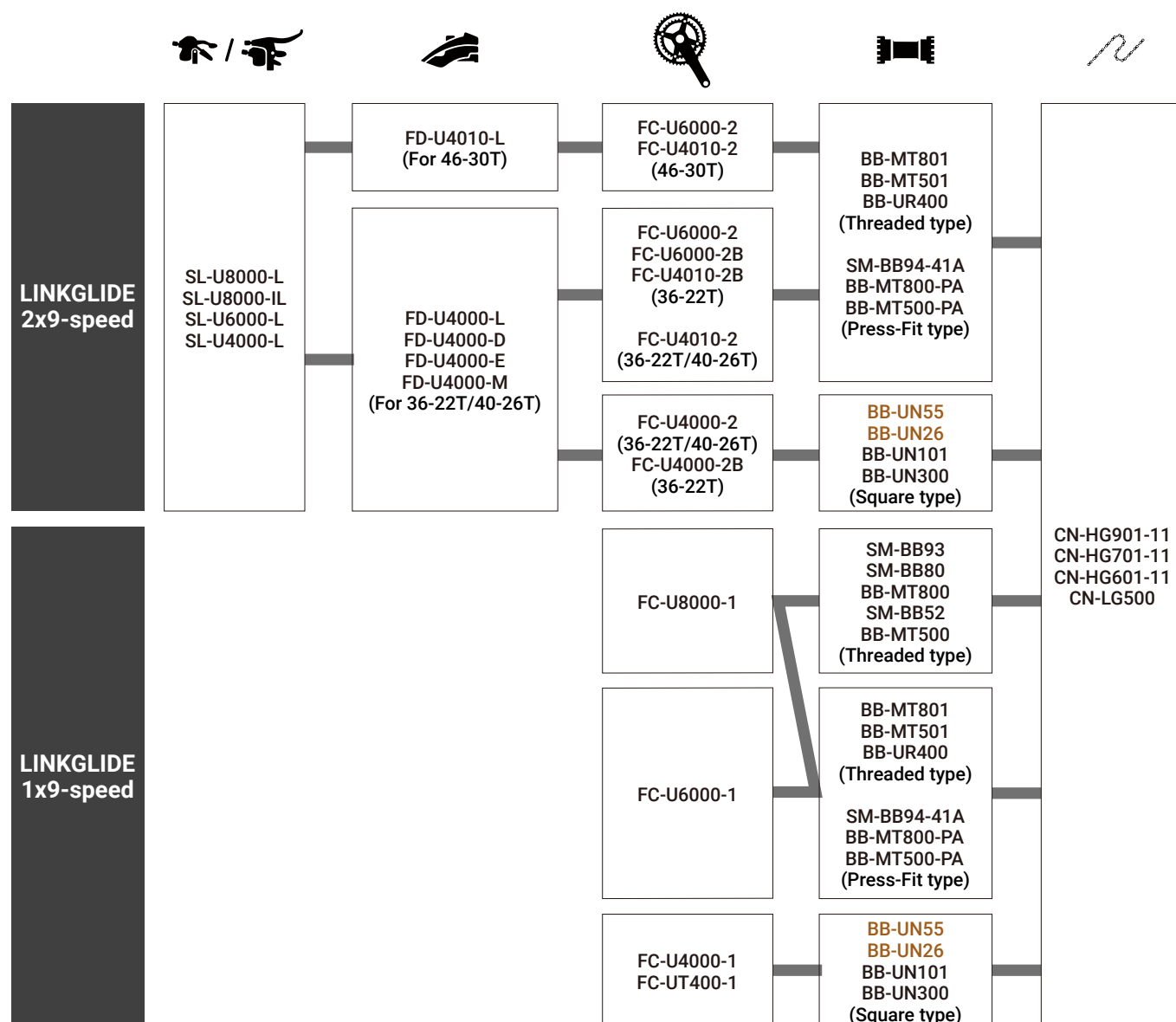
11-speed front drivetrain [MTB, LIFESTYLE] C-441



10-speed front drivetrain [MTB, Trekking, LIFESTYLE] C-442



9-speed front drivetrain [MTB, LIFESTYLE] C-445



Crankset, bottom bracket and chain line [MTB, LIFESTYLE]

C-449

In order to use SIS (SHIMANO INDEX SYSTEM) to its full extent, the required correct chain line, along with the crankset and bottom bracket required to obtain that, are given in the chart below.

Separate type FC-BB compatibility [MTB, LIFESTYLE] C-450

11, 10, 9-speed

Speed	Series	Crankset				Bottom bracket	Chain line and axle mark								
		Model No.	Type of crank				Model No.	47.5 mm	50.0 mm	52.5 mm	47.5+t mm	48.8 mm	51.8 mm	52 mm	56 mm
			OCTALINK	Square	Chain case										
11, 10, 9	CUES	FC-U4000-1 (40T/42T)	–	✓	✓*1	BB-UN300(-K) BB-UN101(-K)	–	LL123	–	–	–	–	–	–	–
		FC-U4000-1 (30T/32T)	–	✓	–	BB-UN300 BB-UN101	–	–	–	–	–	–	LL123	–	–
		FC-U4000-2	–	✓	–	BB-UN300 BB-UN101	–	–	–	–	LL123	–	–	–	–
		FC-U4000-2B	–	✓	–	BB-UN300 BB-UN101	–	–	–	–	–	LL123	–	–	–
	SHIMANO	FC-UT400-1	–	✓	–	BB-UN300 BB-UN101	–	–	–	–	–	–	LL123	LL123	–

*1 Chain case stay thickness should be 1.5 mm to 2.1 mm.

NOTE

If using a chain case, select a BB-xxxx (-K) / -K bottom bracket.

Drivetrain for ROAD, Gravel, LIFESTYLE components

C-453

Rear drivetrain compatibility

C-454

					
1x11-speed LINKGLIDE CUES U6000	ST-U6030	RD-M8130 RD-U8000 (50T≤Largest sprockets≤50T for 1x11-speed) RD-U6000 (48T≤Largest sprockets≤50T)	CS-LG700-11 CS-LG600-11 CS-LG400-11 (11-50T)	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-LG500	refer to C-649
2x10-speed LINKGLIDE CUES U6000	ST-U6030 ST-U3030-10R	RD-U6020-10 (39T≤Largest sprockets≤39T)	CS-LG400-10 CS-LG300-10 (11-39T)		
1x10-speed LINKGLIDE CUES U6000	ST-U6030 ST-U3030-10R	RD-U6000 (48T≤Largest sprockets≤50T)	CS-LG400-10 CS-LG300-10 (11-48T)	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-LG500	refer to C-649
		RD-M5130 (43T≤Largest sprockets≤43T)	CS-LG400-10 (11-43T)		
		RD-U4010 (39T≤Largest sprockets≤39T) for 1x10 usage	CS-LG400-10 CS-LG300-10 (11-39T)		
2x9-speed LINKGLIDE CUES U4000	ST-U3030-9R	RD-U4020 RD-U3020 (36T≤Largest sprockets≤36T)	CS-LG400-9 CS-LG300-9 (11-36T)		
1x9-speed LINKGLIDE CUES U4000	ST-U3030-9R	RD-U4000 (41T≤Largest sprockets≤46T)	CS-LG400-9 CS-LG300-9 (11-41T, 11-46T)	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-LG500	refer to C-649
		RD-U4010 (36T≤Largest sprockets≤36T) for 1x9 usage	CS-LG400-9 CS-LG300-9 (11-36T)		

Front drivetrain compatibility

C-455



1x11-speed LINKGLIDE

CUES
U6000

FC-U6040-1
FC-U6030-1

BB-R9100
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
(Threaded type)

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)

CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

FC-U4000-1
FC-UT400-1

BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)

2x10-speed LINKGLIDE

CUES
U6000

ST-U6030
ST-U3030

FD-U6030

FC-U6040-2
FC-U6030-2

BB-R9100
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
(Threaded type)

CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

1x10-speed LINKGLIDE

CUES
U6000

FC-U6040-1
FC-U6030-1

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)

FC-U4000-1
FC-UT400-1

BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)

2x9-speed LINKGLIDE

CUES
U4000

ST-U3030

FD-U6030

FC-U6040-2
FC-U6030-2

BB-R9100
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
(Threaded type)

CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

1x9-speed LINKGLIDE

CUES
U4000

FC-U6040-1
FC-U6030-1

SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)

FC-U4000-1
FC-UT400-1

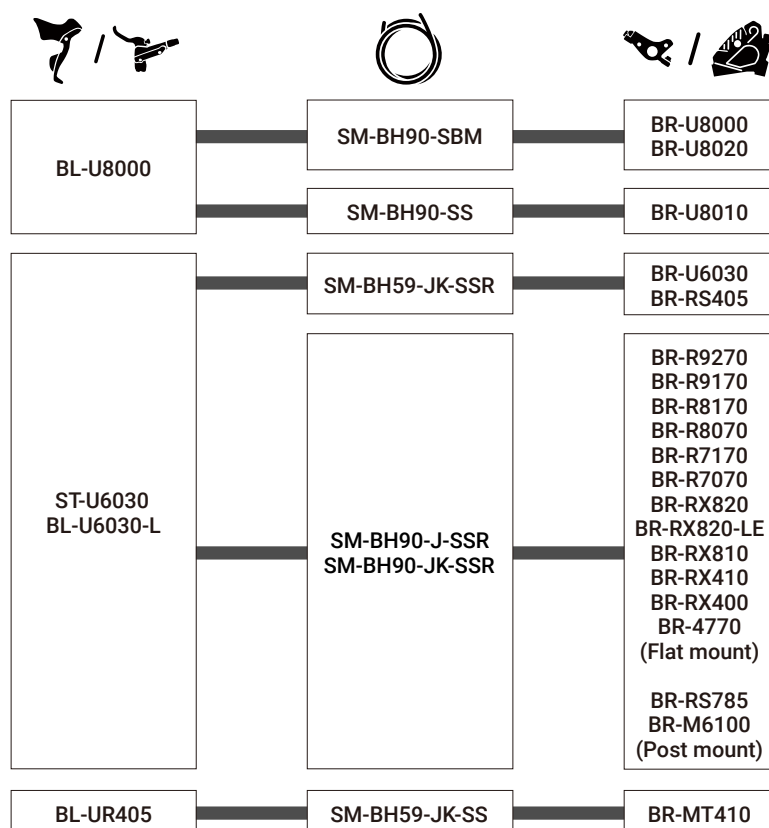
BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)

Brake system for ROAD, Gravel, LIFESTYLE components

C-737

Hydraulic systems compatibility [URBAN, LIFESTYLE]

C-500



Compatibility of BL-U8000 with shifter

C-738

Shifters compatible with BL-U8000

Series	Model No.
DEORE XT	SL-M8130-R
	SL-M8100-R
SLX	SL-M7100-R
DEORE	SL-M6100-R (w/o OPTICAL GEAR DISPLAY)
	SL-M5130-R (w/o OPTICAL GEAR DISPLAY)
	SL-M5100-R (w/o OPTICAL GEAR DISPLAY)
	SL-M4100-R (w/o OPTICAL GEAR DISPLAY)
CUES	SL-U8000-L / SL-U8000-11R
	SL-U8000-IL / SL-U8000-11IR

BL-U8000 compatibility with shifters not listed in the table above

Clamp band type

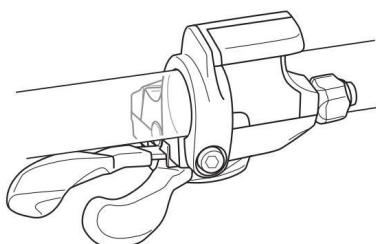
Shifter type	Specification	Compatibility with BL-U8000
REVOSHIFT	-	Not compatible
RAPIDFIRE PLUS RAPIDFIRE PLUS MONO Thumb Shifter PLUS	w/o OPTICAL GEAR DISPLAY	*1
	w/ OPTICAL GEAR DISPLAY on top *2	Not compatible
	w/ OPTICAL GEAR DISPLAY on bottom *2	*1

I-SPEC type

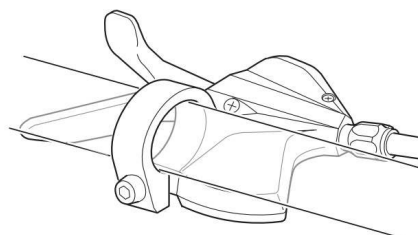
Mount type	Compatibility
I-SPEC	Not compatible
I-SPEC II	*1
I-SPEC EV	Not compatible

*1 Please contact SHIMANO sales office

*2



w/ OPTICAL GEAR DISPLAY on top



w/ OPTICAL GEAR DISPLAY on bottom

Compatibility of BL-UR405 with shifter

C-755

Shifters compatible with BL-UR405

Series	Model No.
CUES	SL-U6050-11R
	SL-U6050-10R
	SL-U4050-9R

Compatibility of I-SPEC shifter and brake lever

C-157

With the exceptions noted below, clamp band type shifters are compatible as I-SPEC if the upper body is replaced with an integral unit.

- RAPIDFIRE PLUS MONO Shifter
- SL-U8000

I-SPEC EV shifter

	Model No.	SL-M9100-I	SL-M8100-I	SL-M7100-I	SL-M6100-I	SL-M5100-I	SL-M4100-I	SL-M8130-I
I-SPEC II	BL-U8000 *1	-	-	-	-	-	-	-

*1 As for the compatibility between BL-U8000 and mechanical shifter, please refer to the [C-738](#).

I-SPEC II shifter

	Model No.	SL-M9000-I	SL-M8000-I	SL-M7000-11-I SL-M7000-10-I	SL-U5000	SL-M6000-I	SL-RS700-I	SL-U8000-I
I-SPEC EV	BL-M9200	-	-	-	-	-	-	-
	BL-M9220	-	-	-	-	-	-	-
	BL-M9100	-	-	-	-	-	-	-
	BL-M9120	-	-	-	-	-	-	-
	BL-M8200	-	-	-	-	-	-	-
	BL-M8100	-	-	-	-	-	-	-
	BL-M7100	-	-	-	-	-	-	-
	BL-M6100	-	-	-	-	-	-	-
	BL-M4100	-	-	-	-	-	-	-
I-SPEC II	BL-M9000	✓	✓	✓	✓	✓	✓	✓
	BL-M9020	✓	✓	✓	✓	✓	✓	✓
	BL-M8000	✓	✓	✓	✓	✓	✓	✓
	BL-T8100	✓	✓	✓	✓	✓	✓	✓
	BL-T8000	✓	✓	✓	✓	✓	✓	✓
	BL-M7000	✓	✓	✓	✓	✓	✓	✓
	BL-M6000	✓	✓	✓	✓	✓	✓	✓
	BL-T6000	✓	✓	✓	✓	✓	✓	✓
	BL-RS600	✓	✓	✓	✓	✓	✓	✓
	BL-MT500	✓	✓	✓	✓	✓	✓	✓
	BL-MT501	✓	✓	✓	✓	✓	✓	✓
	BL-U8000 *1	-	-	-	-	-	-	✓
	BL-U5000	✓	✓	✓	✓	✓	✓	✓
I-SPEC B	BL-M820-B	-	-	-	-	-	-	-

*1 As for the compatibility between BL-U8000 and mechanical shifter, please refer to the [C-738](#).

I-SPEC B shifter

	Model No.	SL-M8000-B-I	SL-M7000-11 SL-M7000-10-B-I	SL-M820-B-I SL-M820 (with SM-SL82-B)
I-SPEC II	BL-U8000 *1	-	-	-

*1 As for the compatibility between BL-U8000 and mechanical shifter, please refer to the [C-738](#).

Compatibility of seat post lever and brake lever

	Model No.	SL-MT800	SL-MT500-I
I-SPEC II	BL-U8000	-	-

Compatibility of Shift Switch and I-SPEC brake lever

C-744

For SHIMANO E-BIKE SYSTEMS switch unit, refer to [C-421](#)

I-SPEC II type brake lever

Model No.	SW-M9250-R	SW-M8250-R	SW-M6250-R	SW-M8150-R	SW-M9050	SW-M8050	SW-EN605-R
BL-U8000	✓	✓	✓	✓	-	-	✓

Disc brake

C-460

Disc brake caliper and rotor compatibility

C-461

Brake caliper	Brake pad material	Pad type	Rotor				
			220 mm (LL)	203 mm (L)	180 mm (M)	160 mm (S)	140 mm (SS)
BR-U8000 BR-U8010*3 BR-U8020	Metal / Resin	Narrow	SM-RT66 SM-RT64	RT-CL900 RT-CL800 RT-CL700 RT-CL300 *2 RT-MT905 RT-MT900 SM-RT99 RT-MT800 SM-RT86 SM-RT81 RT-MT800 SM-RT76 SM-RT70 SM-RT66 SM-RT64 SM-RT70 SM-RT66 SM-RT64 SM-RT54*2 SM-RT30*2 SM-RT26*2 RT-EM910*1 RT-EM900 *1 RT-EM810*1 RT-EM600*1 RT-EM300*1*2	RT-CL900 RT-CL800 RT-CL700 RT-CL300 *2 RT-MT905 RT-MT900 SM-RT99 RT-MT800 SM-RT86 SM-RT81 SM-RT76 SM-RT70 SM-RT66 SM-RT64 SM-RT56*2 SM-RT54*2 SM-RT30*2 SM-RT26*2 SM-RT10*2 RT-EM910*1 RT-EM900 *1 RT-EM810*1 RT-EM800 *1 RT-EM600*1 RT-EM300*1*2	RT-CL900 RT-CL800 RT-CL700 RT-CL300 *2 RT-MT900 SM-RT900 SM-RT800 SM-RT99 RT-MT800 SM-RT86 SM-RT81 SM-RT76 SM-RT70 SM-RT66 SM-RT64 SM-RT60 SM-RT56*2 SM-RT54*2 SM-RT30*2 SM-RT26*2 SM-RT10*2 RT-EM910*1 RT-EM900 *1 RT-EM810*1 RT-EM800 *1 RT-EM600*1 RT-EM300*1*2	RT-CL900 RT-CL800 RT-CL700 RT-MT900 SM-RT900 SM-RT99 SM-RT99-A RT-MT800 SM-RT800 SM-RT81 SM-RT70 SM-RT26*2
BR-U6030*4 BR-UR300*4	Resin	Wide	-	-	RT-CL300 SM-RT56 SM-RT54 SM-RT30 SM-RT26 SM-RT10 RT-EM300*1	RT-CL300 SM-RT56 SM-RT54 SM-RT30 SM-RT26 SM-RT10 RT-EM300*1	SM-RT26

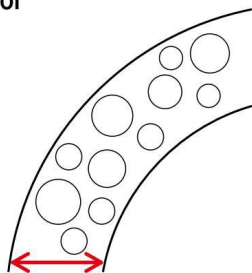
*1 Rotor for speed sensor SM-DUE11, rear only

*2 Resin pad only

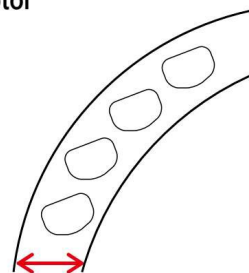
*3 Not compatible with 220mm (LL) and 203 mm (L) rotors

*4 Not compatible with 140 mm (SS) rotors.

Wide type rotor



Narrow type rotor



NOTE

- SM-RT56 / SM-RT54 / SM-RT30 / SM-RT26 / SM-RT10 / RT-EM300 / [RT-CL300](#) are compatible with Resin pad caliper specification only. If use with metal pads, rotor will be easily damaged.
- When using 140 mm rotor, braking power is less than 160 mm, please confirm the power is enough for your purpose. 140 mm rotor is recommended for rear use only.
- Narrow type 2 piece rotors are not compatible to brake caliper for Wide type rotor because of interference.
- BR-UR300 doesn't need front mount bracket and rear adapter.

Compatibility between hydraulic disc brake hose

C-186

MTB, Trekking, URBAN, LIFESTYLE C-732

		SM-BH90-JK-SSR	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBS	SM-BH90-SB	SM-BH90-SS
Connection		Straight - Straight	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Straight
Rigidity		High power	High power	High power	High power	High power	High power
BL-U8000	BR-U8000	–	✓	–	–	–	–
BL-U8000	BR-U8010	–	–	–	–	–	✓
BL-U8000	BR-U8020	–	✓	–	–	–	–

Level of compatibility

✓: Compatible

*: Refer to manual of SM-BH80, SM-BH59 (brake hose 10 m coil) for assembling / disassembling banjo unit

-: Impossible to use

		SM-BH59-J-SS	SM-BH59-JK-SS (MTB)	SM-BH59-JK-SS (ROAD)	SM-BH59-JK-SSR	SM-BH59-SB	SM-BH59-SB-J
Connection		Straight - Straight	Straight - Straight	Straight - Straight	Straight - Straight	Straight - Banjo	Straight - Banjo
Rigidity		Standard	Standard	Standard	Standard	Standard	Standard
BL-U8000	BR-U8000	–	–	–	–	–	–
BL-U8000	BR-U8010	–	–	–	–	–	–
BL-U8000	BR-U8020	–	–	–	–	–	–

Level of compatibility

✓: Compatible

*: Refer to manual of SM-BH80, SM-BH59 (brake hose 10 m coil) for assembling / disassembling banjo unit

-: Impossible to use

ROAD, Gravel, LIFESTYLE C-733

		SM-BH90-JK-SSR	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBS	SM-BH90-SB	SM-BH90-SS
Connection		Straight - Straight	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Straight
Rigidity		High power	High power	High power	High power	High power	High power
ST-U6030	BR-U6030	–	–	–	–	–	–
BL-U6030-L		–	–	–	–	–	–
ST-U6030	BR-RS405	–	–	–	–	–	–
BL-U6030-L		–	–	–	–	–	–

Level of compatibility

✓: Compatible

*: Refer to manual of SM-BH80, SM-BH59 (brake hose 10 m coil) for assembling / disassembling banjo unit

-: Impossible to use

		SM-BH59-J-SS	SM-BH59-JK-SS (MTB)	SM-BH59-JK-SS (ROAD)	SM-BH59-JK-SSR	SM-BH59-SB	SM-BH59-SB-J
Connection		Straight - Straight	Straight - Straight	Straight - Straight	Straight - Straight	Straight - Banjo	Straight - Banjo
Rigidity		Standard	Standard	Standard	Standard	Standard	Standard
ST-U6030	BR-U6030	–	–	–	✓	–	–
BL-U6030-L		–	–	–	✓	–	–
ST-U6030	BR-RS405	–	–	–	✓	–	–
BL-U6030-L		–	–	–	✓	–	–

Level of compatibility

✓: Compatible

*: Refer to manual of SM-BH80, SM-BH59 (brake hose 10 m coil) for assembling / disassembling banjo unit

-: Impossible to use

Compatibility between banjo screw

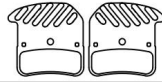
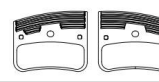
C-625

Banjo screw	Special	Normal	Short	BR-M9120 SPEC.	BR-M8100 SPEC.
BR-U8000	—	—	—	—	✓
BR-U8020	—	—	—	✓	—

Brake pad line-up

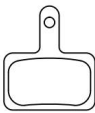
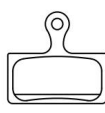
C-192

Brake pad for hydraulic disc brake (4-piston) C-652

Pad Shape Type									
		D-type		H-type		N-type		P-type	
		Narrow type		Narrow type		Narrow type		Narrow type	
Model No.		BP-D03S-RX	BP-D02S-MX	BP-H03A-RF	BP-H03C-MF	BP-N03A-RF	BP-N04C-MF	BP-P03A-RF	BP-P04C-MF
		Resin	Metal	Resin	Metal	Resin	Metal	Resin	Metal
Characteristics	Modulation	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆
	Power	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★
	Durability	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Anti-fading	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★
	Silence	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆	★★★★★	★★★★☆
Pad Radiator fin		—	—	✓	✓	✓	✓	✓	✓
High heat insulation		—	—	—	—	—	—	—	—
Pad Back plate	Titanium	—	—	—	—	—	—	—	—
	Aluminum	—	—	✓	—	✓	—	✓	—
	Stainless steel/ Aluminum	—	—	—	✓	—	✓	—	✓
	Stainless steel	✓	✓	—	—	—	—	—	—
BR-U8020	Hydraulic	Standard	Option	—	—	Standard	Option	Option	Option

* Reduced rattling noise

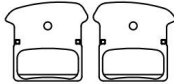
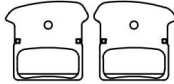
Brake pad for hydraulic disc brake (2-piston) and mechanical disc brake C-653

Pad Shape Type									
		B-type		G-type					
		Wide type		Narrow type					
Model No.		BP-B03S-RX	BP-B05S-RX	BP-G03A-RX	BP-G05A-RX	BP-G03S-RX	BP-G05S-RX	BP-G04S-MX	BP-G04Ti-MX
		Resin	Resin	Resin	Resin	Resin	Resin	Metal	Metal
Characteristics	Modulation	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆
	Power	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★
	Durability	★★★★★	★★★★★ *1	★★★★★	★★★★★ *1	★★★★★	★★★★★ *1	★★★★★	★★★★★
	Anti-fading	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★
	Silence	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆
Pad Radiator fin		—	—	—	—	—	—	—	—
High heat insulation		—	—	✓	✓	✓	✓	—	—
Pad Back plate	Titanium	—	—	—	—	—	—	—	✓
	Aluminum	—	—	✓	✓	—	—	—	—
	Stainless steel/ Aluminum	—	—	—	—	—	—	—	—
	Stainless steel	✓	✓	—	—	✓	✓	✓	—
BR-UR300	Hydraulic	Standard	Standard	—	—	—	—	—	—
BR-U8000	Hydraulic	—	—	Standard	Standard	—	—	Option	—
BR-U8010	Hydraulic	—	—	—	—	—	—	—	—
BR-U6030	Hydraulic	—	Standard	—	—	—	—	—	—

*1 "05" pad is more durable than "03" pad in the same type by 40%

Pad Shape Type							
		K-type					
		Narrow type					
Model No.		BP-K03S-RX	BP-K05S-RX	BP-K03Ti-RX	BP-K05Ti-RX	BP-K04S-MX	BP-K04Ti-MX
		Resin	Resin	Resin	Resin	Metal	Metal
Characteristics	Modulation	★★★★★	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆
	Power	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★
	Durability	★★★★★	★★★★★*1	★★★★★	★★★★★*1	★★★★★	★★★★★
	Anti-fading	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★
		Silence	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆
Pad Radiator fin		—	—	—	—	—	—
High heat insulation		✓	✓	✓	✓	—	—
Pad Back plate	Titanium	—	—	✓	✓	—	✓
	Aluminum	—	—	—	—	—	—
	Stainless steel/ Aluminum	—	—	—	—	—	—
	Stainless steel	✓	✓	—	—	✓	—
BR-UR300	Hydraulic	—	—	—	—	—	—
BR-U8000	Hydraulic	—	—	—	—	—	—
BR-U8010	Hydraulic	—	Standard	—	—	—	—
BR-U6030	Hydraulic	—	—	—	—	—	—

*1 "05" pad is more durable than "03" pad in the same type by 40%

Pad Shape Type							
		J-type			L-type		
		Narrow type			Narrow type		
Model No.		BP-J03A-RF	BP-J05A-RF	BP-J04C-MF	BP-L03A-RF	BP-L05A-RF	BP-L04C-MF
		Resin	Resin	Metal	Resin	Resin	Metal
Characteristics	Modulation	★★★★★	★★★★★	★★★★☆	★★★★★	★★★★★	★★★★☆
	Power	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★★★☆	★★★★★
	Durability	★★★★★	★★★★★*1	★★★★★	★★★★★	★★★★★*1	★★★★★
	Anti-fading	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★★★☆	★★★★★
		Silence	★★★★★	★★★★☆	★★★★★	★★★★★	★★★★☆
Pad Radiator fin		✓	✓	✓	✓	✓	✓
High heat insulation		✓	✓	—	✓	✓	—
Pad Back plate	Titanium	—	—	—	—	—	—
	Aluminum	✓	✓	—	✓	✓	—
	Stainless steel/ Aluminum	—	—	✓	—	—	✓
	Stainless steel	—	—	—	—	—	—
BR-UR300	Hydraulic	—	—	—	—	—	—
BR-U8000	Hydraulic	Option	Option	—	—	—	—
BR-U8010	Hydraulic	—	—	—	—	Standard	—
BR-U6030	Hydraulic	—	—	—	—	—	—

*1 "05" pad is more durable than "03" pad in the same type by 40%

Spoke protector

C-298

Spoke protector

C-491

Select the spoke protector after checking the chart below.

It is decided by hole number of hub and number of the gear teeth, other than multiple freewheel.

MTB, Gravel, LIFESTYLE

C-299

11-speed

Cassette							Spoke protector model				
Model No.	Number of largest sprocket teeth										
	40T	42T	45T	46T	50T	51T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501
CS-LG700-11	-	-	✓	-	✓	-	-	-	-	-	-
CS-LG600-11	-	-	-	-	✓	-	-	-	-	-	-
CS-LG400-11	-	-	✓	-	✓	-	-	-	-	-	-

Cassette							Spoke protector model				
Model No.	Number of largest sprocket teeth										
	40T	42T	45T	46T	50T	51T	WH-RX870	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600	WH-MT500	WH-MT35 WH-MT35-275 WH-MT35-29
CS-LG700-11	-	-	✓	-	✓	-	-	-	-	-	-
CS-LG600-11	-	-	-	-	✓	-	-	-	-	-	-
CS-LG400-11	-	-	✓	-	✓	-	-	-	-	-	-

10-speed

Cassette									Spoke protector model				
Model No.	Number of largest sprocket teeth												
	32T	34T	36T	39T	42T	43T	46T	48T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501
CS-LG600-10	-	-	-	-	-	✓	-	-	-	-	-	-	-
CS-LG400-10	-	-	-	✓	-	✓	-	✓	-	-	-	-	-
CS-LG300-10	-	-	-	✓	-	-	-	✓	-	-	-	-	-

Cassette									Spoke protector model			
Model No.	Number of largest sprocket teeth											
	32T	34T	36T	39T	42T	43T	46T	48T	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600	WH-MT500	WH-MT35 WH-MT35-275 WH-MT35-29
CS-LG600-10	-	-	-	-	-	✓	-	-	-	CP-WH26	CP-WH21	-
CS-LG400-10	-	-	-	✓	-	✓	-	✓	-	-	-	-
CS-LG300-10	-	-	-	✓	-	-	-	✓	-	-	-	-

9-speed

Cassette						Spoke protector model					
Model No.	Number of largest sprocket teeth										
	28T	32T	34T	36T	41T	46T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501
CS-LG400-9	-	-	-	✓	✓	✓	-	-	-	-	-
CS-LG300-9	-	-	-	✓	✓	✓	-	-	-	-	-

Cassette							Spoke protector model			
Model No.	Number of largest sprocket teeth									
	28T	32T	34T	36T	41T	46T	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600	WH-MT500	WH-MT35 WH-MT35-275 WH-MT35-29
CS-LG400-9	-	-	-	✓	✓	✓	-	-	-	-
CS-LG300-9	-	-	-	✓	✓	✓	-	-	-	-

E-BIKE compatibility chart

C-431

Switch unit / cycle computer and brake lever compatibility

C-421

For Hydraulic Disc brake

I-SPEC II type brake lever

Model No.	SHIMANO E-BIKE SYSTEMS cycle computer		
	SC-EN500	SC-E5000	SC-E5003
BL-U8000 *1	✓	✓	✓

Model No.	SHIMANO E-BIKE SYSTEMS switch unit							
	SW-EM800-L	SW-EN600-L	SW-EN600-R	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SW-EN605-R
BL-U8000 *1	✓	✓	✓	-	✓	✓	✓	✓

*1 As for the compatibility between BL-U8000 and mechanical shifter, please refer to the [C-738](#).

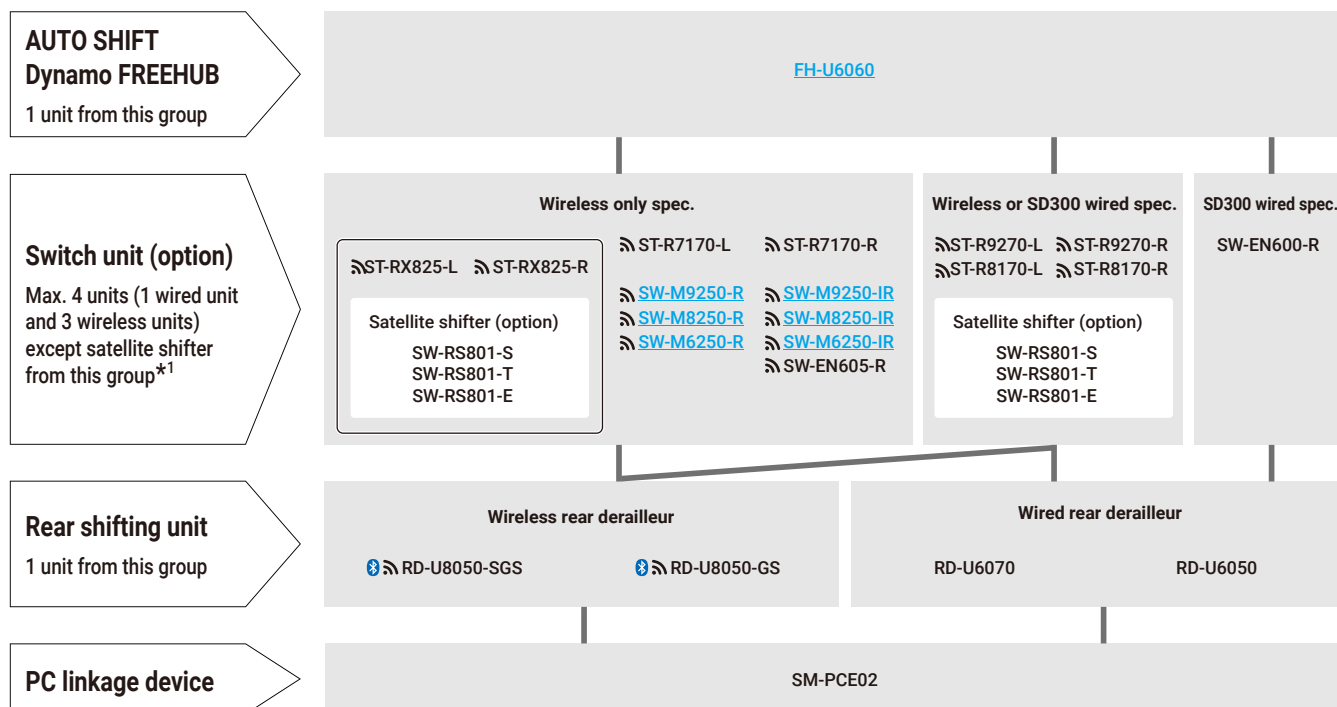
Electronic Product Information

C-472

Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.4.2

Di2 with [FH-U6060](#)

C-473



Limitation of function with [FH-U6060](#)

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: maximum of one SW-R/IR