SHIMANO

2023-2024

Products compatibility Information

Compatibilities are subject to change without prior

Visit SHIMANO PRODUCT WEBSITE for the latest information.

Ver. 3.0, Feb. 9, 2024, SHIMANO INC.

Word definitions

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

Ver. 3.0, Feb. 9, 2024, SHIMANO INC.

Compatibility

Drivetrain for MTB, LIFESTYLE components C-432

Rear drivetrain compatibility [MTB, LIFESTYLE] C-433 C-434 C-558 C-435 C-436 C-437 C-438 C-439 C-546

Front drivetrain compatibility [MTB, Trekking, LIFESTYLE] C-440 C-559 C-441 C-442 C-445 C-446

Front derailleur and crankset C-447

Front derailleur and chain line (TOURNEY) C-448

Crankset, bottom bracket and chain line [MTB, LIFESTYLE] C-449 C-450

Drivetrain for ROAD, Gravel, URBAN components C-453

Rear drivetrain compatibility C-454

Front drivetrain compatibility C-455

Brake system for ROAD, Gravel, URBAN, LIFESTYLE components C-737

Brake systems compatibility [ROAD] C-456

Hydraulic systems compatibility [ROAD, Gravel] C-499

Hydraulic systems compatibility [URBAN, LIFESTYLE] C-500

Compatibility of BL-U8000 with shift lever C-738

I-SPEC C-156

Compatibility of I-SPEC shifter and brake lever C-157

Disc brake C-460

Disc brake caliper and disc brake rotor compatibility C-461

Compatibility of lock ring with hubs C-612

Compatibility between brake systems (MT400 series) C-606

Combination chart (mechanical disc brake) C-462 C-463 C-464

Compatibility between hydraulic disc brake hose C-186 C-732 C-733

Compatibility between banjo screw C-625

Brake pad line-up C-192 C-652 C-653

Disc brake mount adapter C-193 C-194 C-195

Cable System C-605

Polymer-coated brake cable (BC-9000 / BC-R680) compatible chart C-306

V-BRAKE and Hub roller brake C-465

Compatibility between brake systems C-466

Brake lever with switch compatibility C-467 C-468 C-469

Cassette Sprocket C-544

FREEHUB and cassette sprocket spline compatibility C-731

Compatibility between rear derailleur and cassette sprocket gear teeth [ROAD, Gravel, URBAN (METREA)] C-254 C-648 C-255 C-256 C-257 C-258 C-259

LINKGLIDE cassette sprocket and FREEHUB compatibility C-649

URBAN (ALFINE, NEXUS) components C-470

Available combinations of the dropout, cassette sprocket/single gear and crankset for designing the frame C-471

Mechanical internal geared hub / SM (CJ) COMPATIBILITY CHART C-647

Single gear and chain combination C-608

CARGO BIKE related components C-651

Compatibility for DIN 79010:2020-02 C-672

Spoke protector C-298

Spoke protector C-491

MTB, Gravel, LIFESTYLE C-299

ROAD, Gravel, URBAN (METREA) C-300

Spoke protector for Road C-302

E-BIKE compatibility chart C-431

E-BIKE system compatibility chart C-525

Drivetrain compatibility C-488 C-706 C-655 C-656 C-657 C-658 C-659

Switch unit / cycle computer and brake lever compatibility C-421

Battery and battery mount compatibility C-511

System on/off function compatibility C-629

Speed sensor and drive unit compatibility C-549

Battery and battery charger compatibility C-562

ABS compatibility C-715

Electronic Product Information C-472

E-TUBE compatibility chart C-473

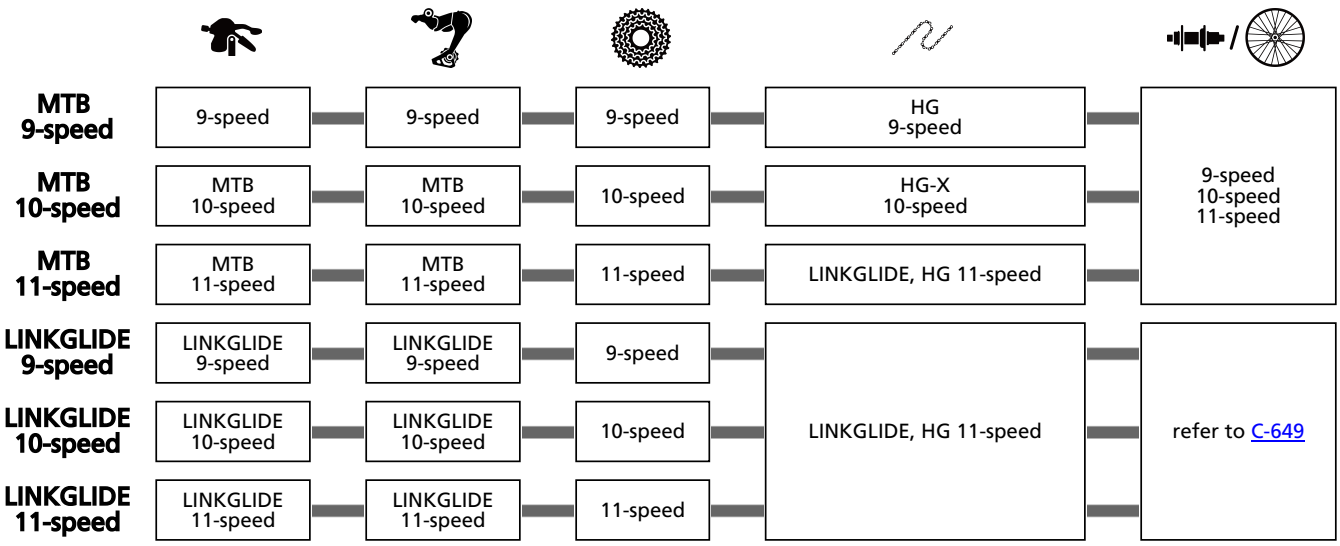
Compatibility chart of CAN adapter for Di2 C-429

CI-DECK C-547

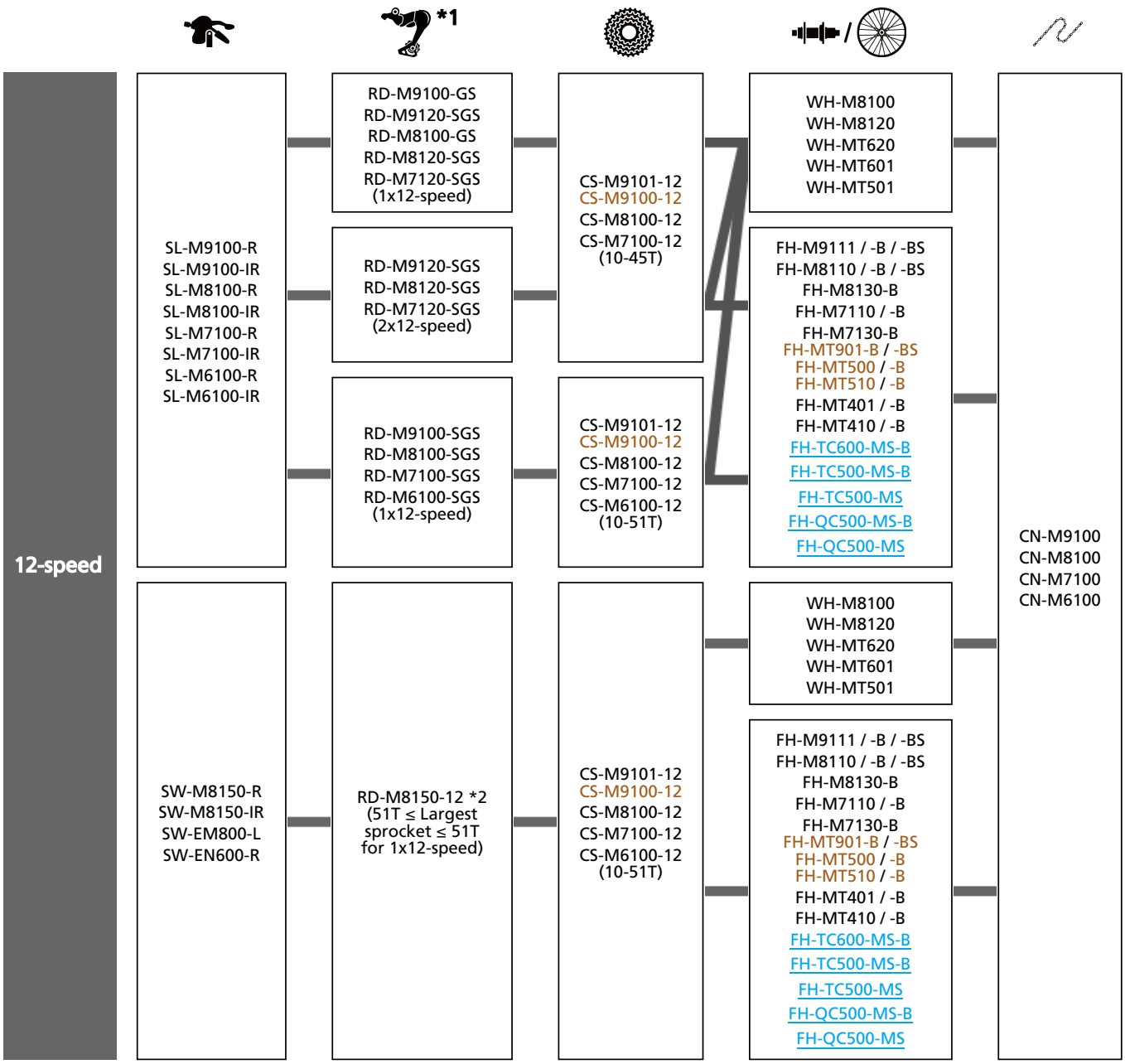
Compatibility between Bracket and ID/SC C-548

Rear drivetrain compatibility [MTB, LIFESTYLE] C-433

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

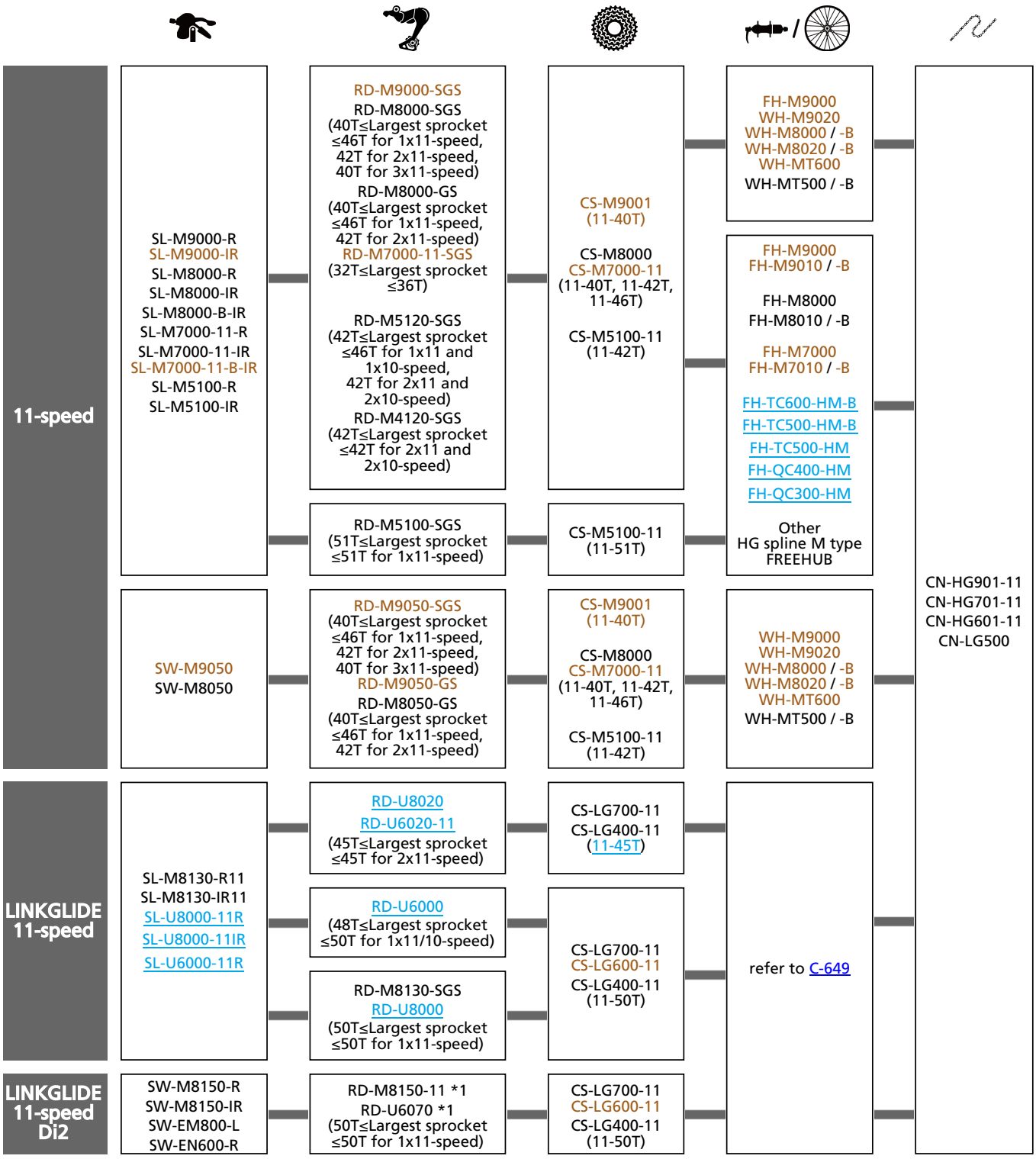


12-speed rear drivetrain (MICRO SPLINE) [MTB] C-558



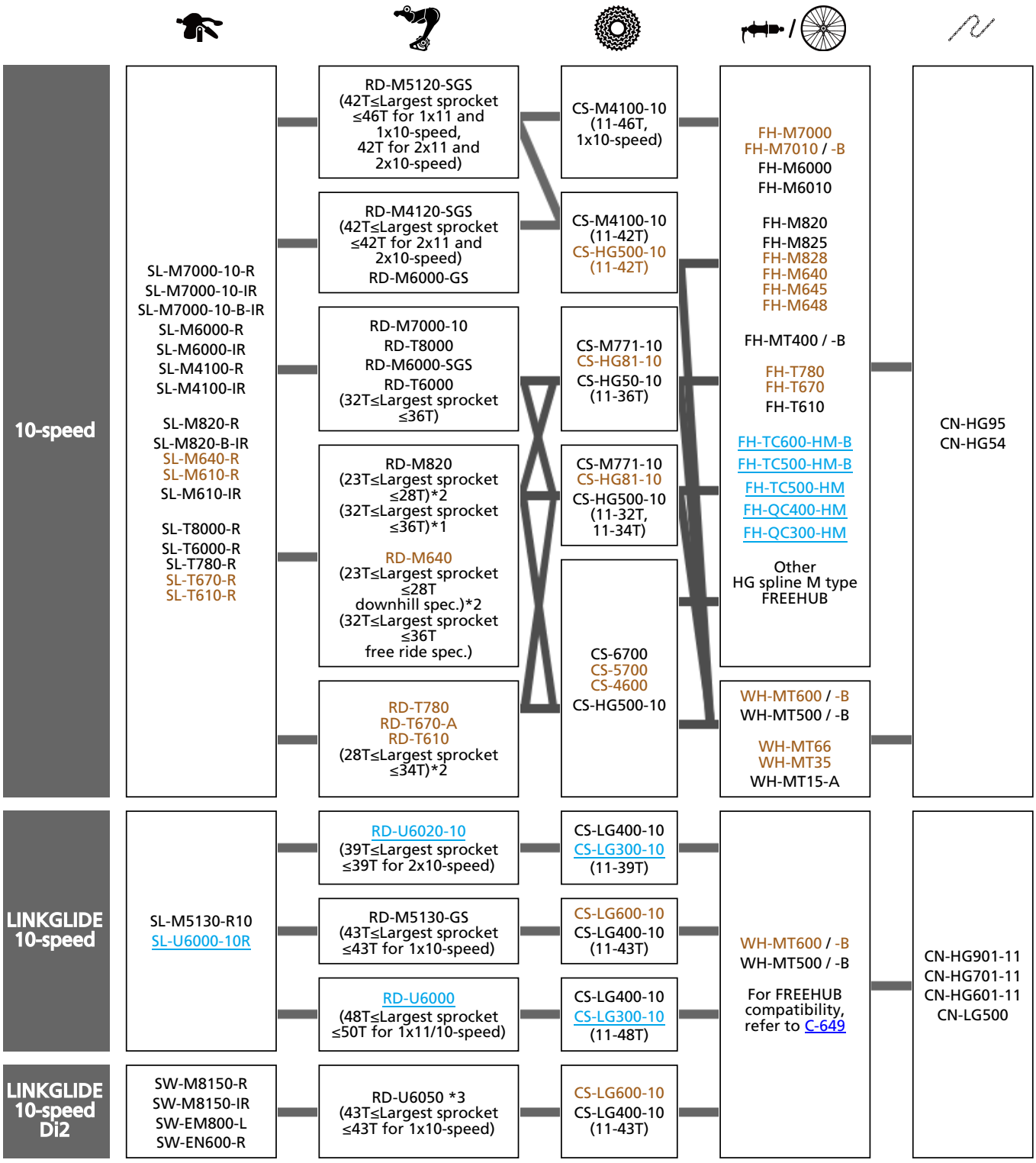
*1 Method to adjust the end adjustment screw is different from conventional rear derailleurs. For details, refer to dealer's manual.
*2 Only for E-BIKE

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



*1 Only for E-BIKE

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

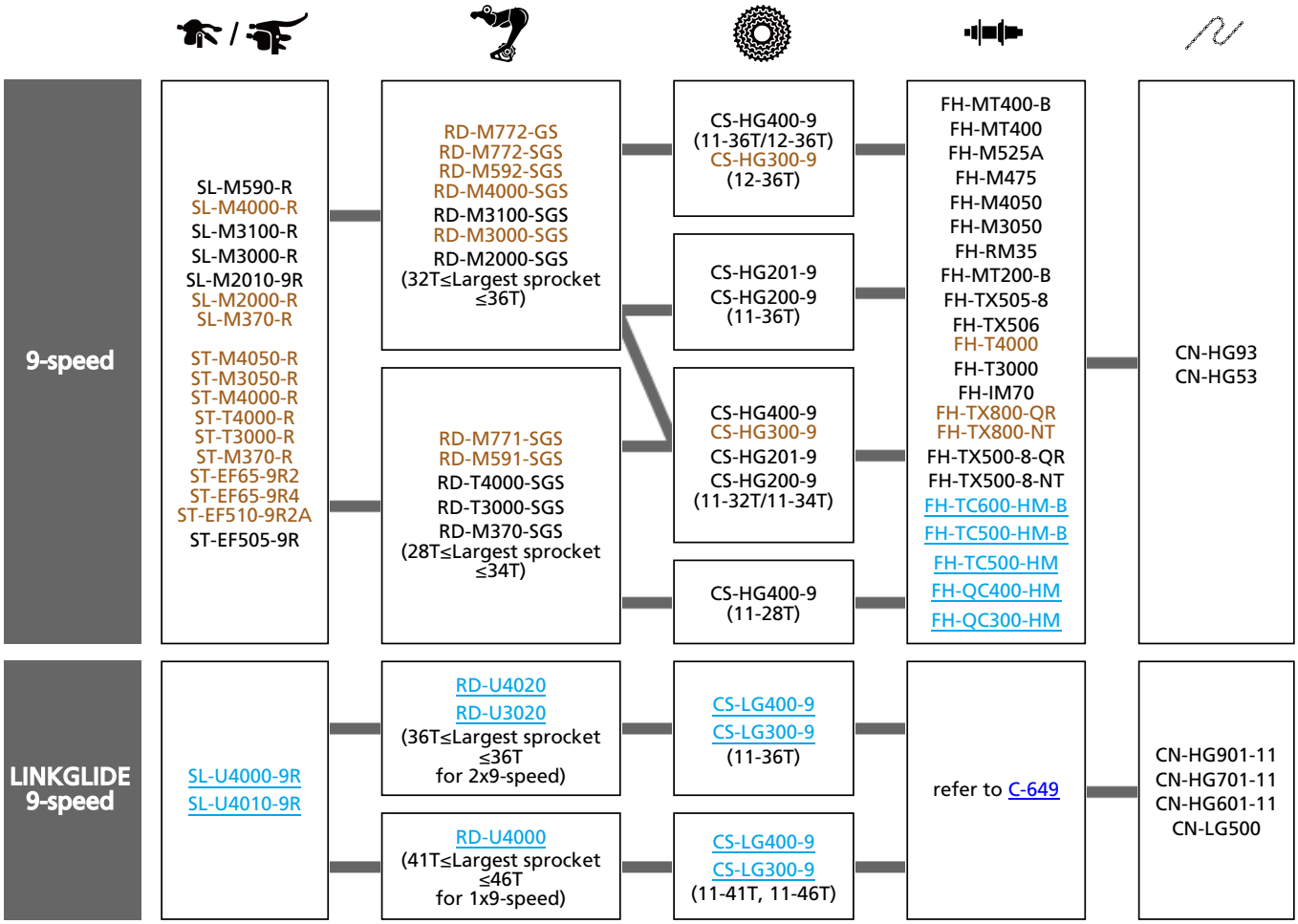


*1 Mode converter

*2 Compatible with road Cassette sprocket

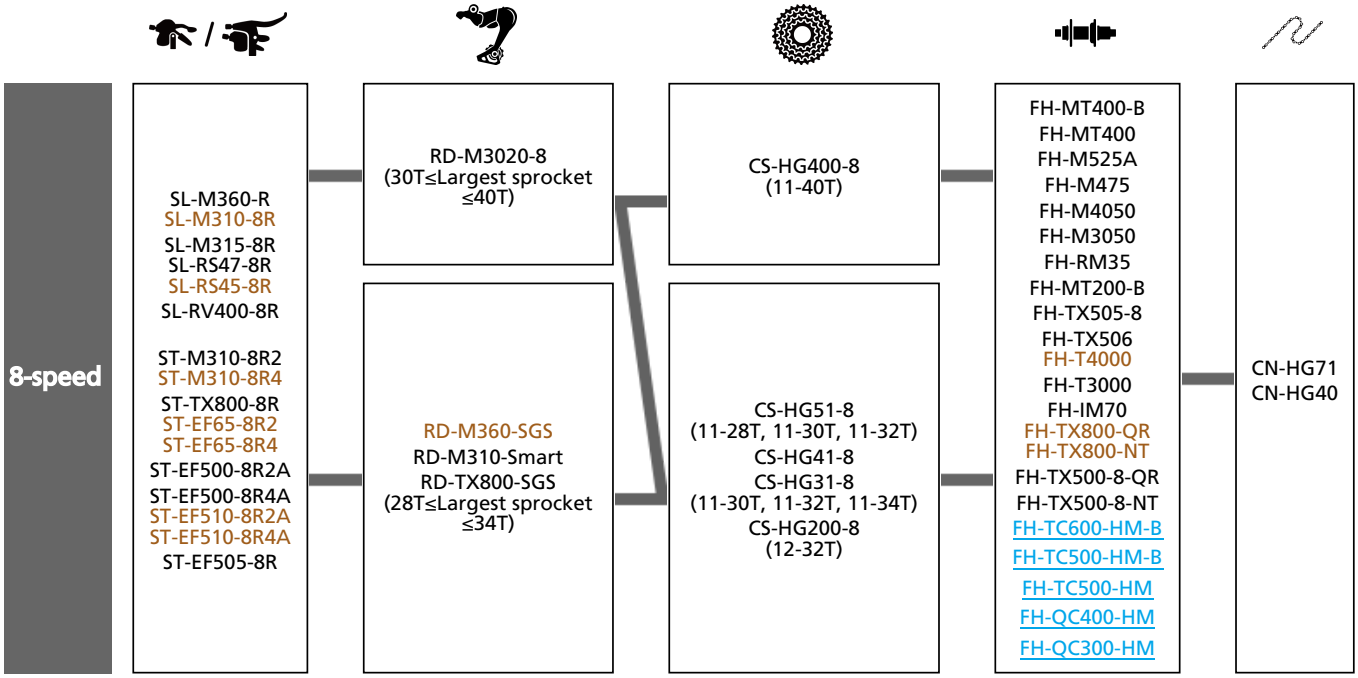
*3 Only for E-BIKE

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

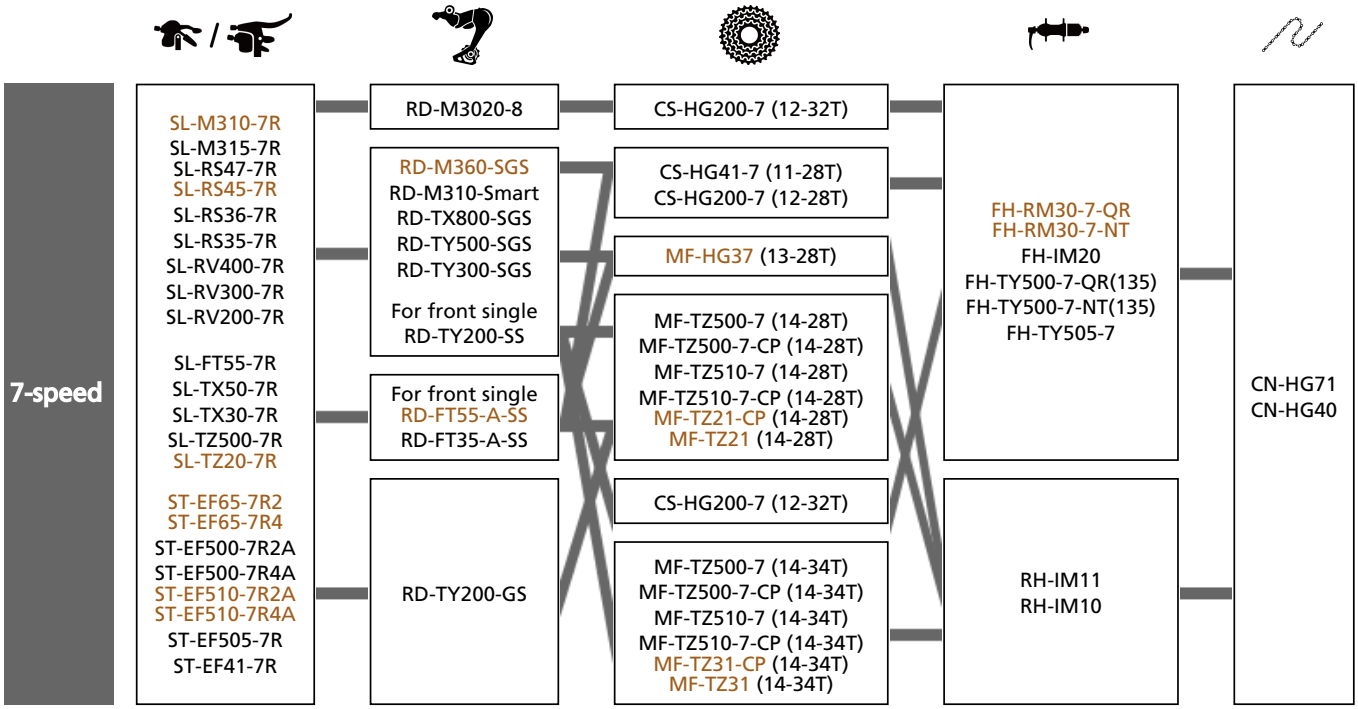


8-speed rear drivetrain [MTB] C-438

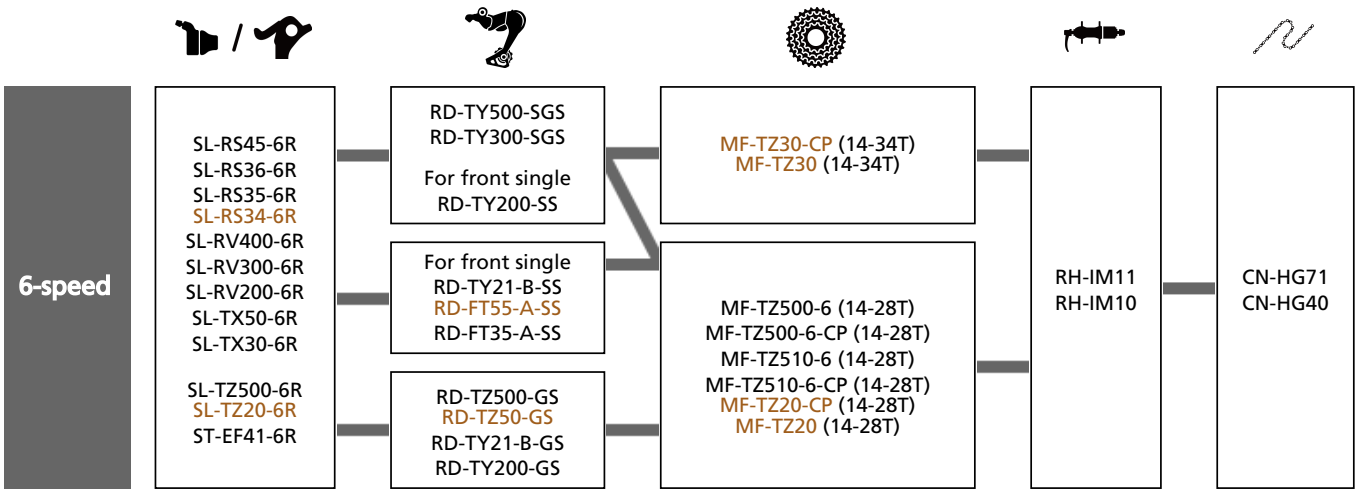
The rear derailleur for 8-speed can also be used for 7-speed drivetrain.



7-speed rear drivetrain [MTB] C-439

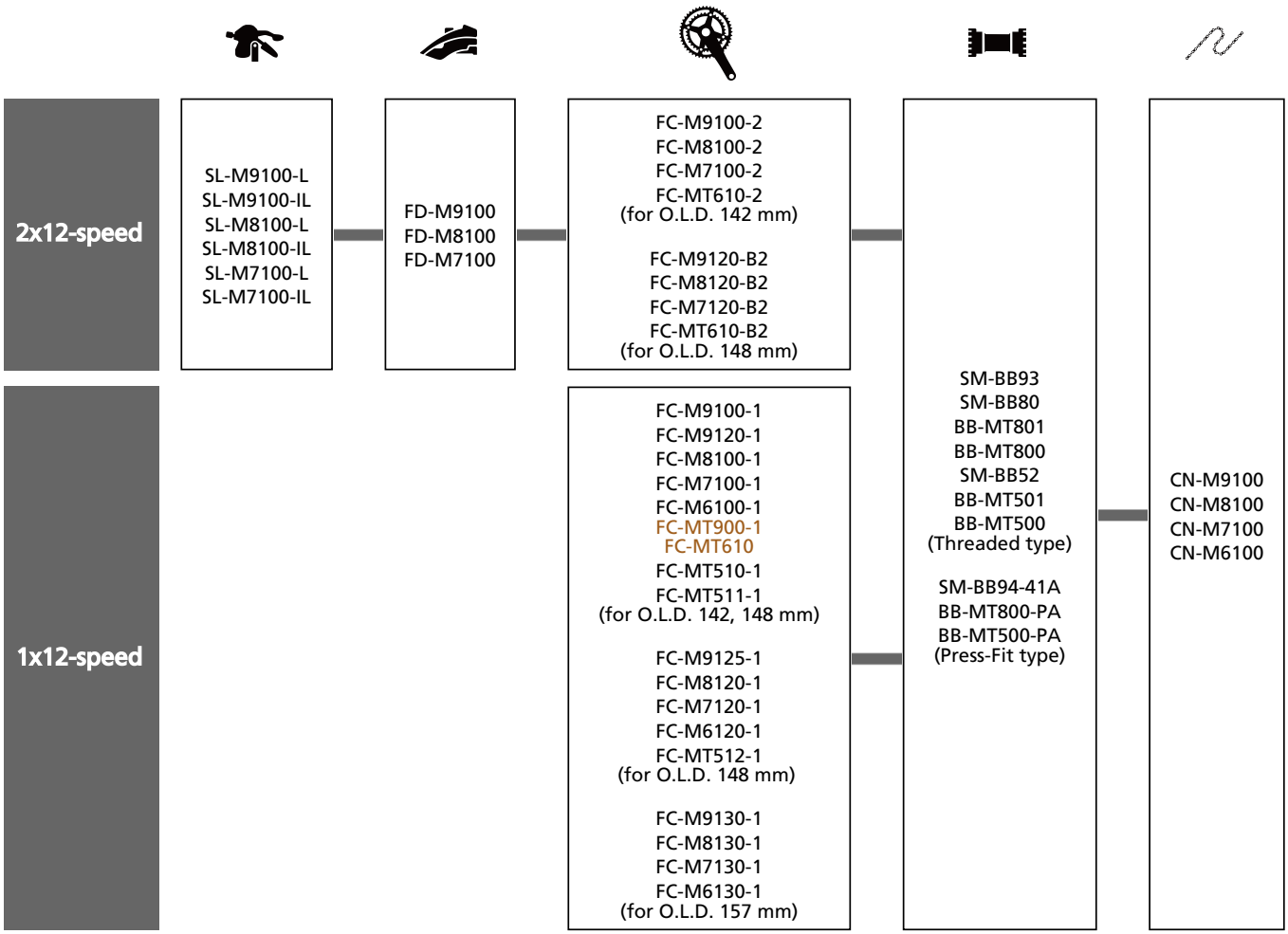


6-speed rear drivetrain [MTB] C-546

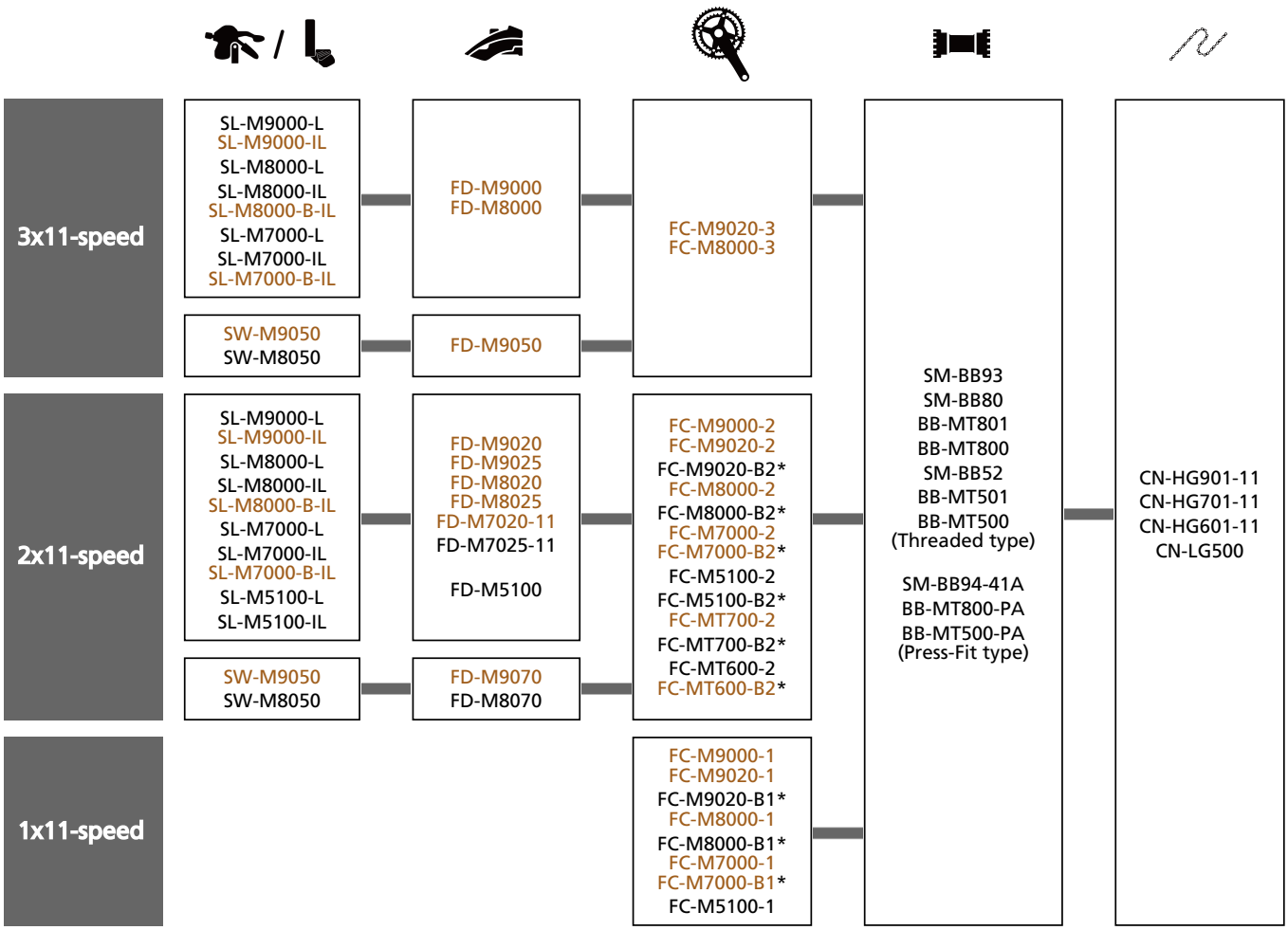


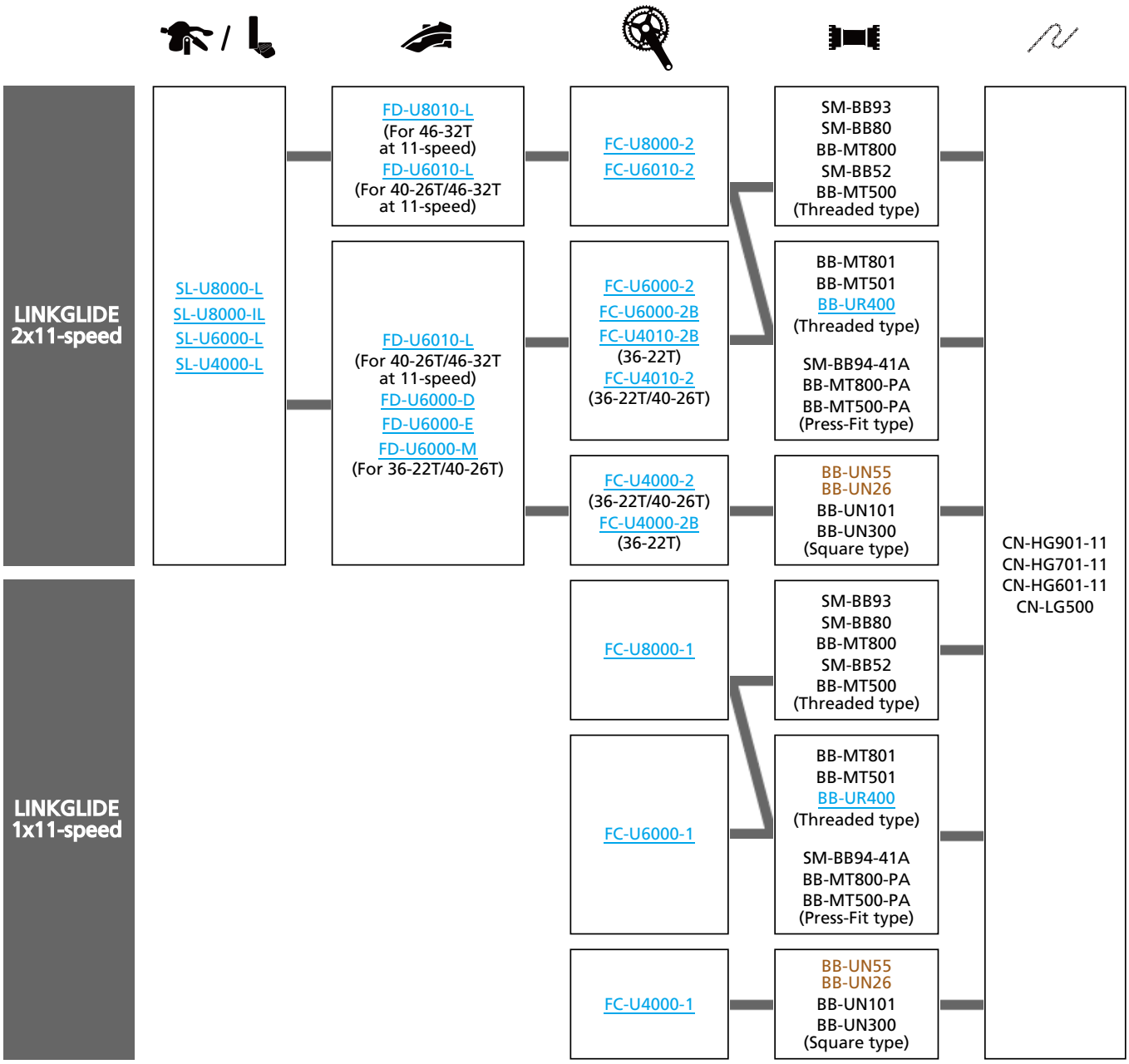
Front drivetrain compatibility [MTB, Trekking, LIFESTYLE] C-440

12-speed front drivetrain [MTB] C-559



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

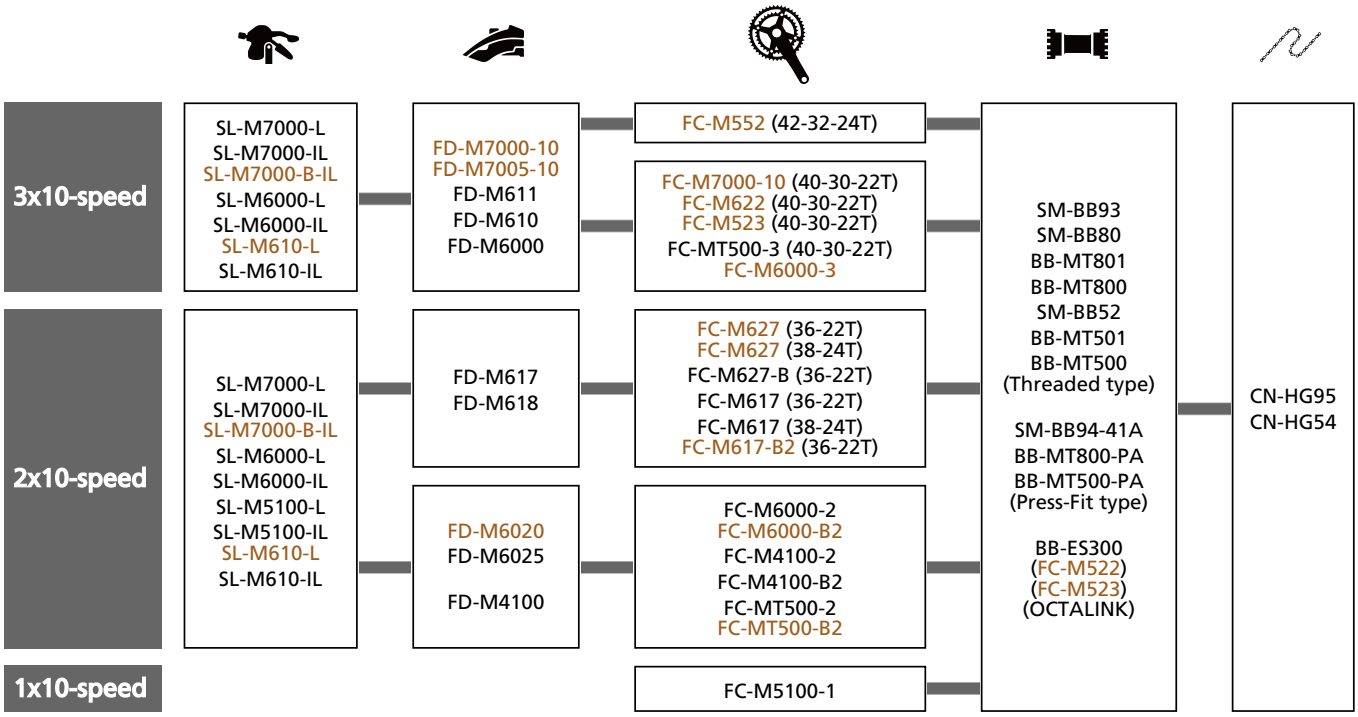


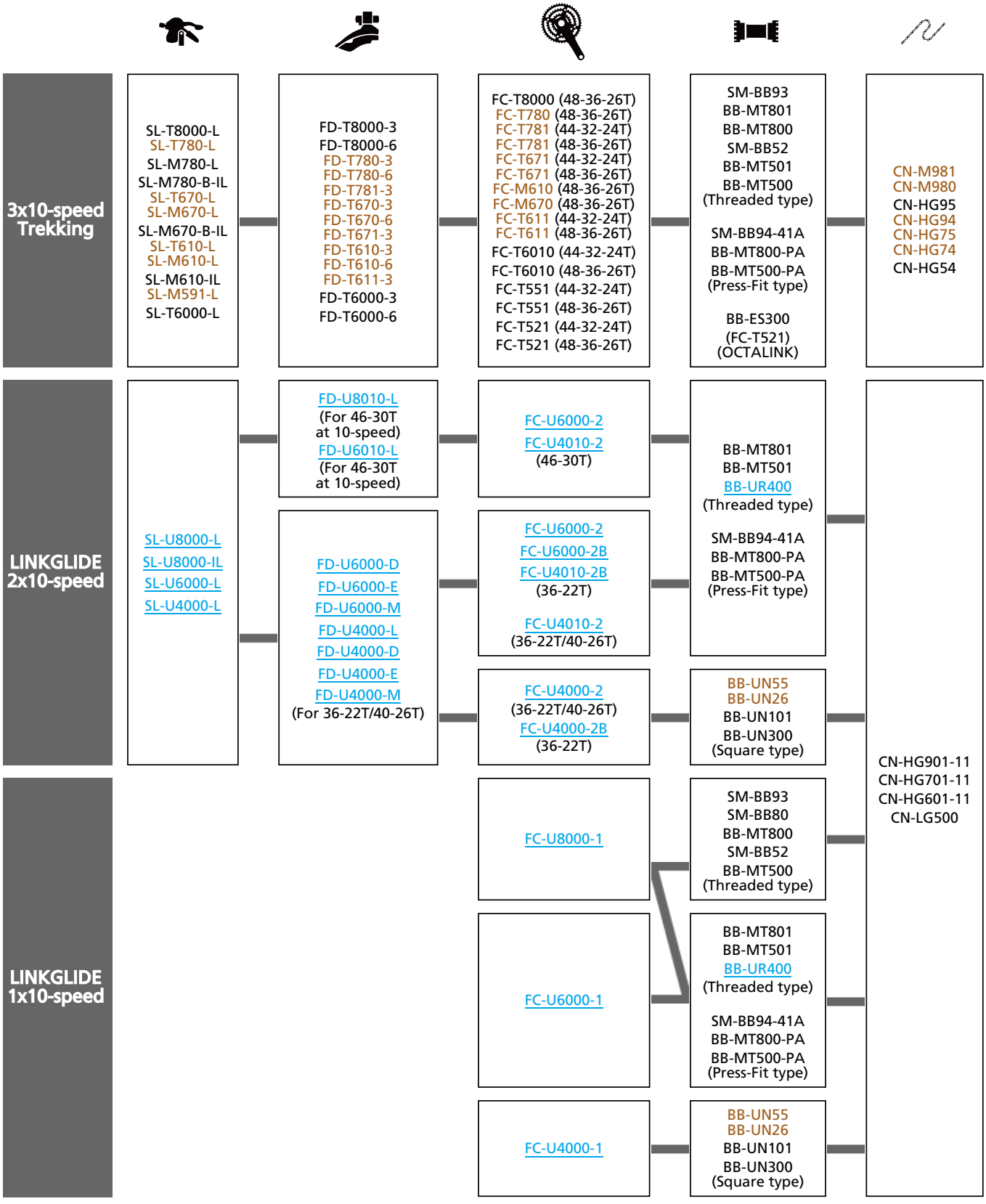


NOTE

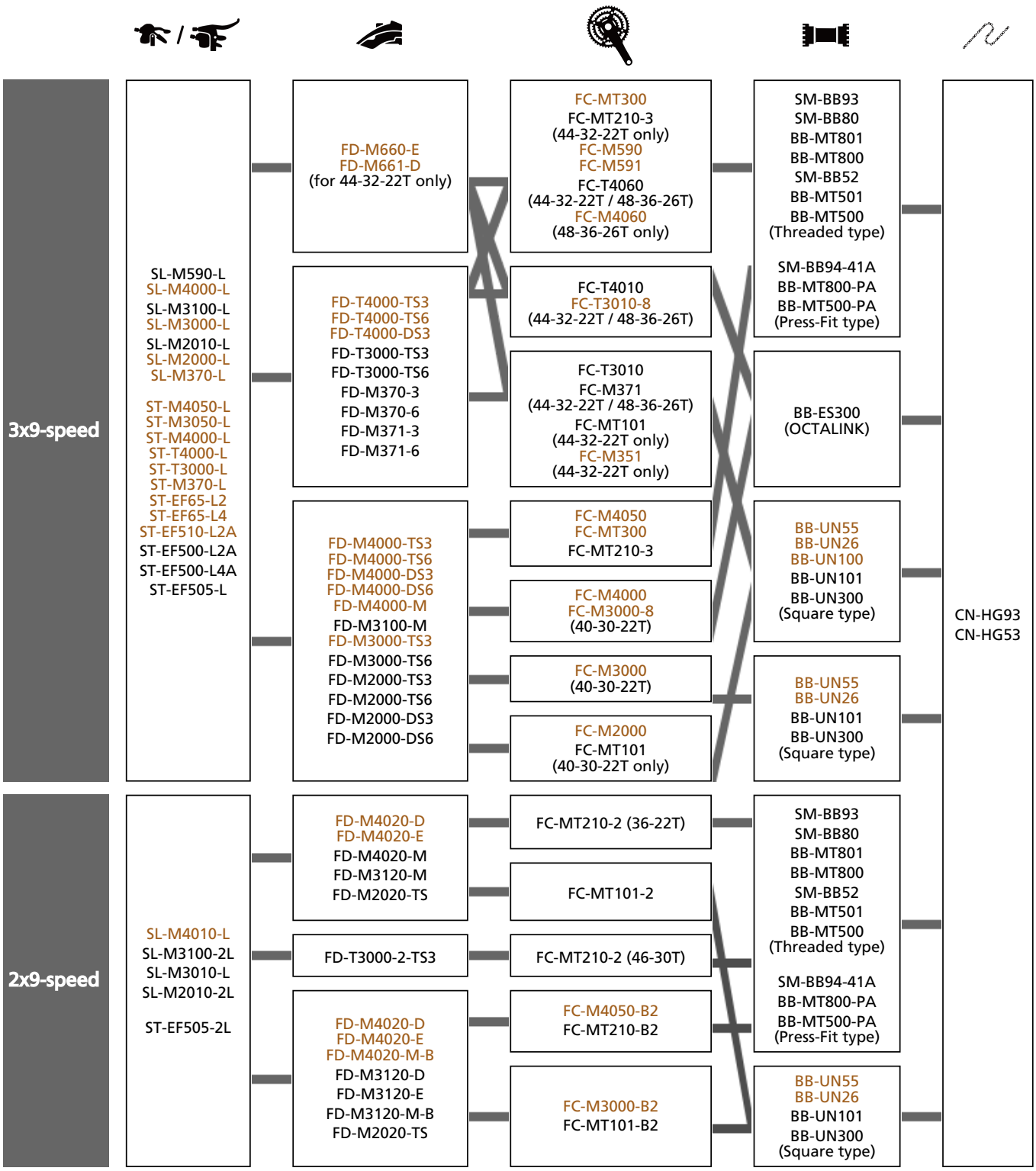
Requires the dimension of frame which cassette sprocket position is 3 mm outboard.

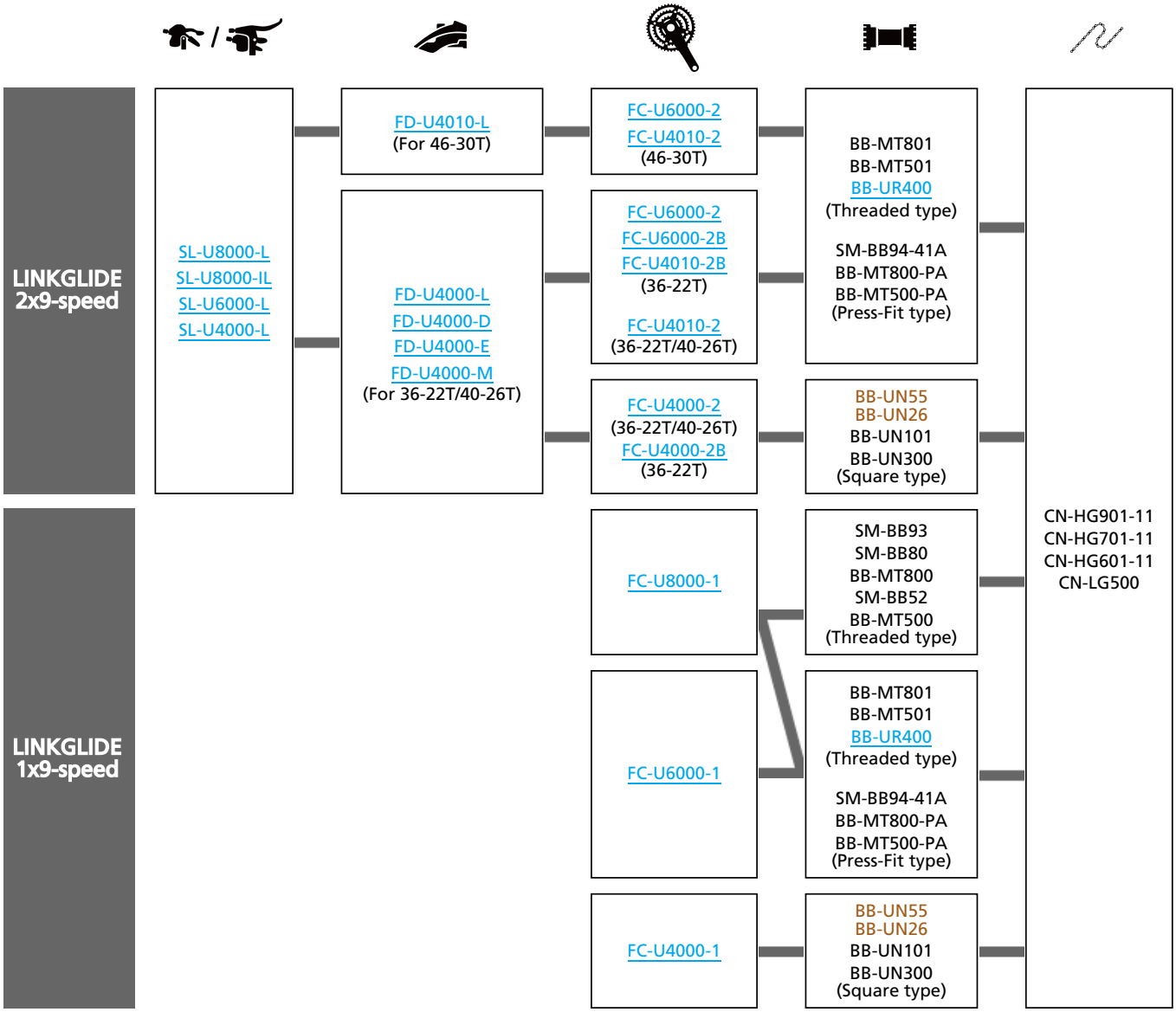
10-speed front drivetrain [MTB, Trekking, LIFESTYLE] C-442



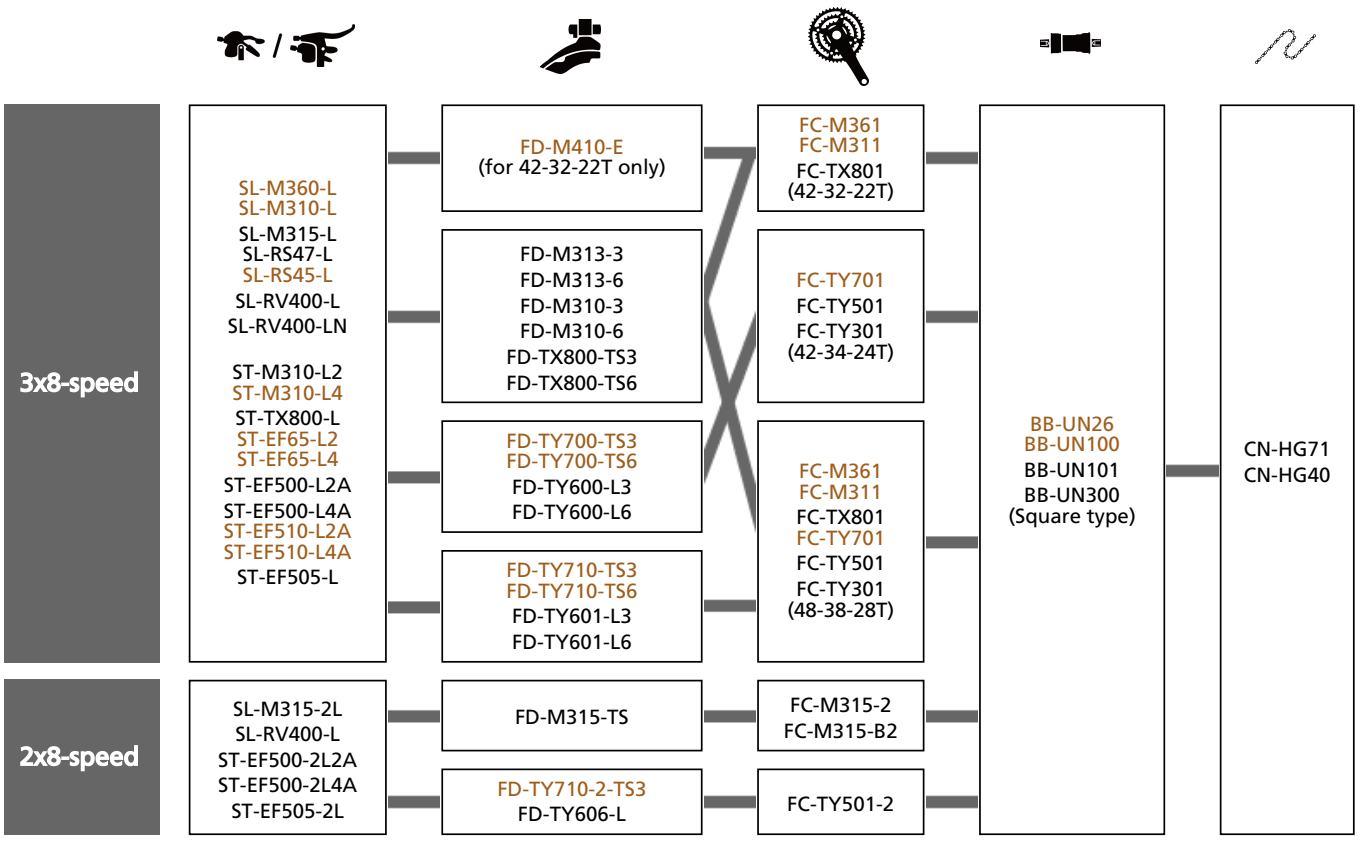

3x10-speed Trekking
SL-T8000-L
SL-T780-L
SL-M780-L
SL-M780-B-IL
SL-T670-L
SL-M670-L
SL-M670-B-IL
SL-T610-L
SL-M610-L
SL-M610-IL
SL-M591-L
SL-T6000-L
FD-T8000-3
FD-T8000-6
FD-T780-3
FD-T780-6
FD-T781-3
FD-T670-3
FD-T670-6
FD-T671-3
FD-T610-3
FD-T610-6
FD-T611-3
FD-T6000-3
FD-T6000-6
FC-T8000 (48-36-26T)
FC-T780 (48-36-26T)
FC-T781 (44-32-24T)
FC-T781 (48-36-26T)
FC-T671 (44-32-24T)
FC-T671 (48-36-26T)
FC-M610 (48-36-26T)
FC-M670 (48-36-26T)
FC-T611 (44-32-24T)
FC-T611 (48-36-26T)
FC-T6010 (44-32-24T)
FC-T6010 (48-36-26T)
FC-T551 (44-32-24T)
FC-T551 (48-36-26T)
FC-T521 (44-32-24T)
FC-T521 (48-36-26T)
SM-BB93
BB-MT801
BB-MT800
SM-BB52
BB-MT501
BB-MT500
(Threaded type)
SM-BB94-41A
BB-MT800-PA
BB-MT500-PA
(Press-Fit type)
BB-ES300
(FC-T521)
(OCTALINK)
CN-M981
CN-M980
CN-HG95
CN-HG94
CN-HG75
CN-HG74
CN-HG54
LINKGLIDE 2x10-speed
SL-U8000-L
SL-U8000-IL
SL-U6000-L
SL-U4000-L
FD-U8010-L
(For 46-30T at 10-speed)
FD-U6010-L
(For 46-30T at 10-speed)
FD-U6000-D
FD-U6000-E
FD-U6000-M
FD-U4000-L
FD-U4000-D
FD-U4000-E
FD-U4000-M
(For 36-22T/40-26T)
FC-U6000-2
FC-U4010-2
(46-30T)
FC-U6000-2
FC-U6000-2B
FC-U4010-2B
(36-22T)
FC-U4010-2
(36-22T/40-26T)
FC-U4000-2
(36-22T/40-26T)
FC-U4000-2B
(36-22T)
BB-MT801
BB-MT501
BB-UR400
(Threaded type)
SM-BB94-41A
BB-MT800-PA
BB-MT500-PA
(Press-Fit type)
BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)
LINKGLIDE 1x10-speed
FC-U8000-1
FC-U6000-1
FC-U4000-1
SM-BB93
SM-BB80
BB-MT800
SM-BB52
BB-MT500
(Threaded type)
BB-MT801
BB-MT501
BB-UR400
(Threaded type)
SM-BB94-41A
BB-MT800-PA
BB-MT500-PA
(Press-Fit type)
BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)
CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

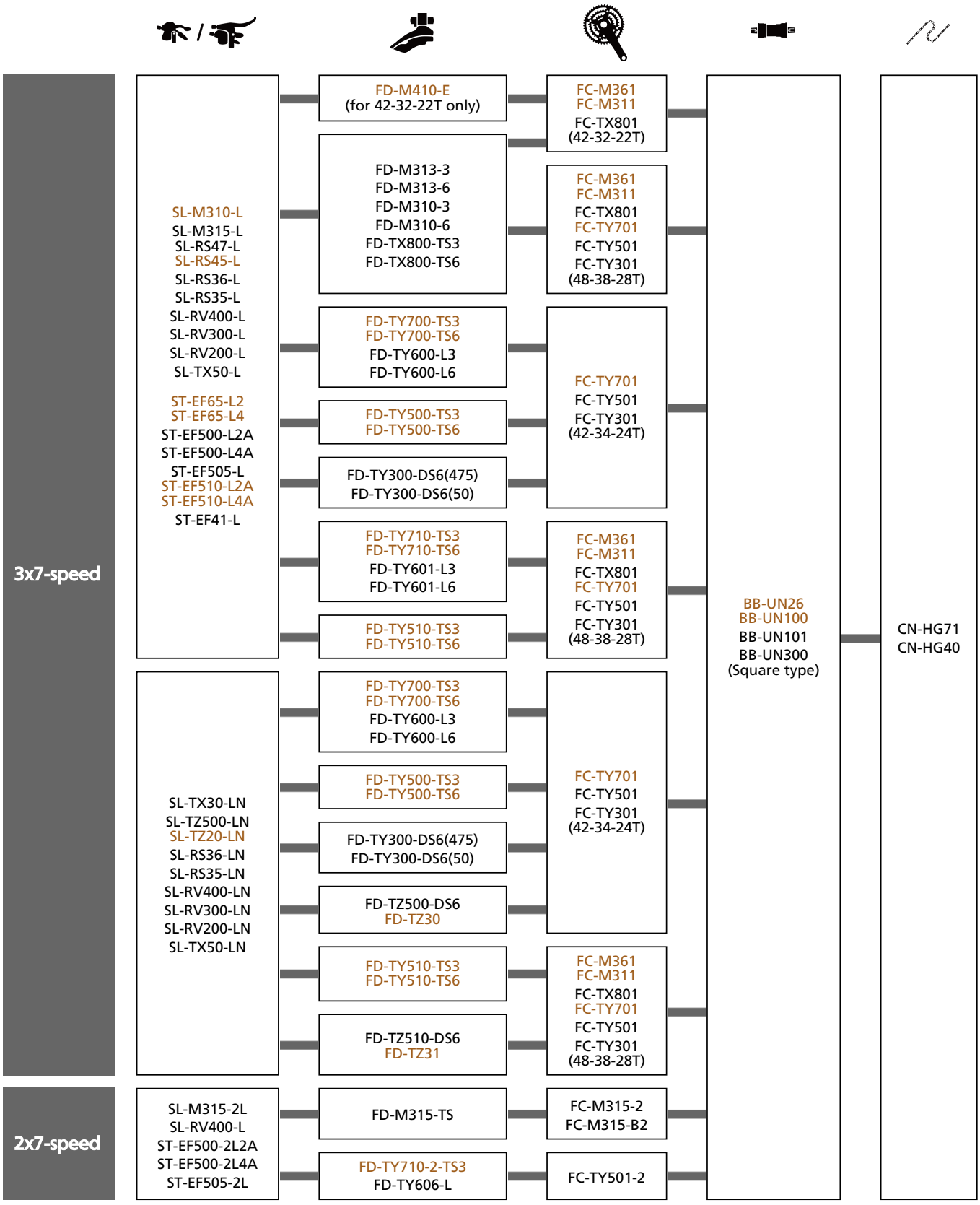
9-speed front drivetrain [MTB, LIFESTYLE] C-445

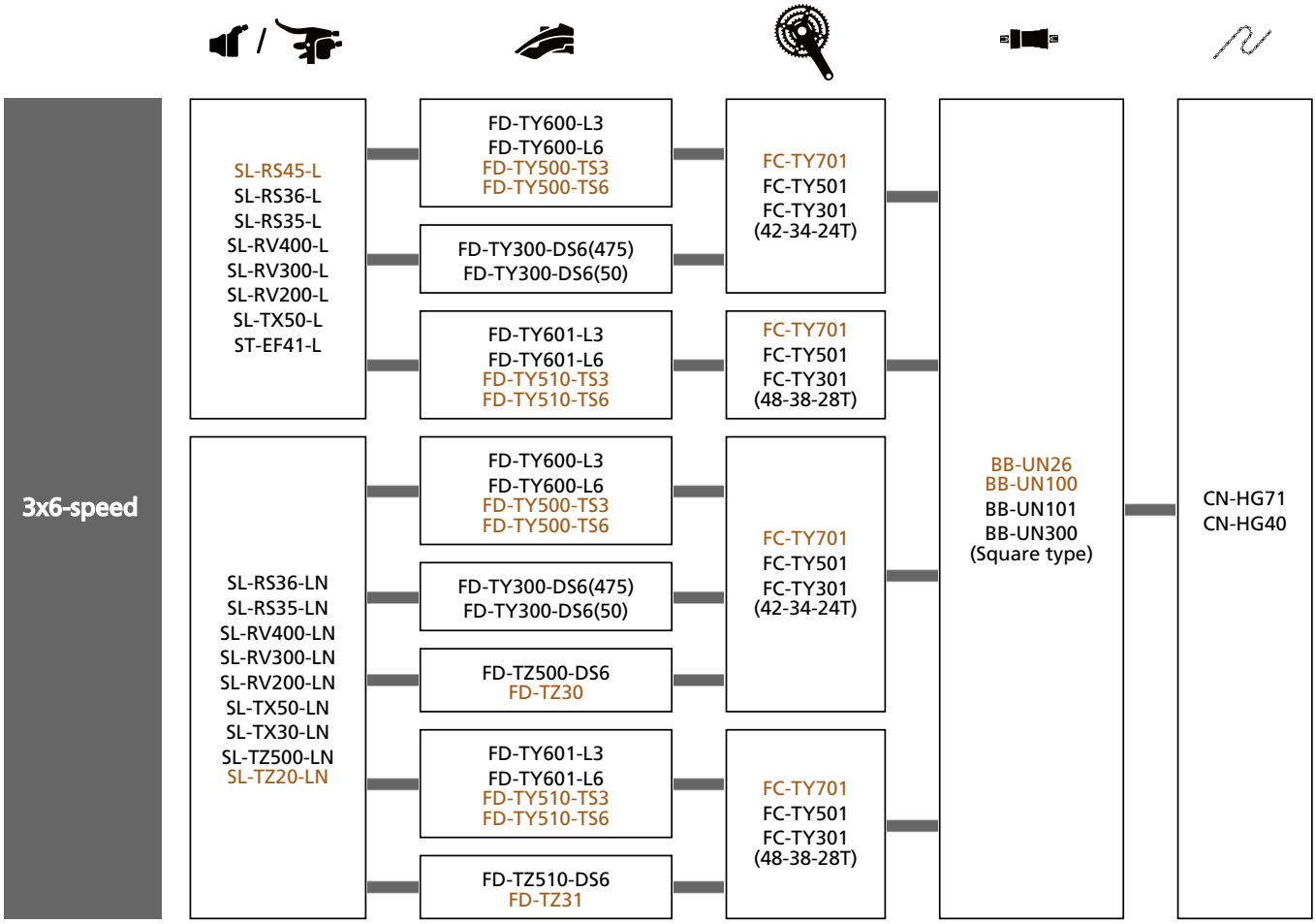



LINKGLIDE 2x9-speed
SL-U8000-L
SL-U8000-IL
SL-U6000-L
SL-U4000-L
FD-U4010-L
(For 46-30T)
FD-U4000-L
FD-U4000-D
FD-U4000-E
FD-U4000-M
(For 36-22T/40-26T)
FC-U6000-2
FC-U4010-2
(46-30T)
FC-U6000-2
FC-U6000-2B
FC-U4010-2B
(36-22T)
FC-U4010-2
(36-22T/40-26T)
FC-U4000-2
(36-22T/40-26T)
FC-U4000-2B
(36-22T)
BB-MT801
BB-MT501
BB-UR400
(Threaded type)
SM-BB94-41A
BB-MT800-PA
BB-MT500-PA
(Press-Fit type)
BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)
LINKGLIDE 1x9-speed
FC-U8000-1
FC-U6000-1
FC-U4000-1
SM-BB93
SM-BB80
BB-MT800
SM-BB52
BB-MT500
(Threaded type)
BB-MT801
BB-MT501
BB-UR400
(Threaded type)
SM-BB94-41A
BB-MT800-PA
BB-MT500-PA
(Press-Fit type)
BB-UN55
BB-UN26
BB-UN101
BB-UN300
(Square type)
CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500

8,7,6-speed front drivetrain [MTB] C-446




3x7-speed
SL-M310-L
SL-M315-L
SL-RS47-L
SL-RS45-L
SL-RS36-L
SL-RS35-L
SL-RV400-L
SL-RV300-L
SL-RV200-L
SL-TX50-L
ST-EF65-L2
ST-EF65-L4
ST-EF500-L2A
ST-EF500-L4A
ST-EF505-L
ST-EF510-L2A
ST-EF510-L4A
ST-EF41-L
FD-M410-E
(for 42-32-22T only)
FD-M313-3
FD-M313-6
FD-M310-3
FD-M310-6
FD-TX800-TS3
FD-TX800-TS6
FD-TY700-TS3
FD-TY700-TS6
FD-TY600-L3
FD-TY600-L6
FD-TY500-TS3
FD-TY500-TS6
FD-TY300-DS6(475)
FD-TY300-DS6(50)
FD-TY710-TS3
FD-TY710-TS6
FD-TY601-L3
FD-TY601-L6
FD-TY510-TS3
FD-TY510-TS6
SL-TX30-LN
SL-TZ500-LN
SL-TZ20-LN
SL-RS36-LN
SL-RS35-LN
SL-RV400-LN
SL-RV300-LN
SL-RV200-LN
SL-TX50-LN
FD-TZ500-DS6
FD-TZ30
FD-TZ510-DS6
FD-TZ31
FC-M361
FC-M311
FC-TX801
(42-32-22T)
FC-TY701
FC-TY501
FC-TY301
(48-38-28T)
(42-34-24T)
BB-UN26
BB-UN100
BB-UN101
BB-UN300
(Square type)
CN-HG71
CN-HG40
2x7-speed
SL-M315-2L
SL-RV400-L
ST-EF500-2L2A
ST-EF500-2L4A
ST-EF505-2L
FD-M315-TS
FD-TY710-2-TS3
FD-TY606-L
FC-M315-2
FC-M315-B2
FC-TY501-2



Front derailleur and crankset

C-447

The allowable combinations of front derailleurs depend on the difference in the number of teeth of the gears and the shape of the front derailleur plate.

If the conditions given below are not satisfied, then the desired shiftability may not be obtained.

FC (largest chainring) - (smallest chainring) ≤ FD (high and low capacity) FC (largest chainring) - (middle chainring) = FD (allowance of difference in teeth number between top and middle)

Each front derailleurs and the number of teeth of corresponding cranksets are given in the compatibility chart.

Front derailleur and chain line (TOURNEY)

C-448

The SHIMANO line-up for front derailleurs and the chain lines they support are given in the chart below.

		28.6 mm (S)	31.8 mm (M)	34.9 mm (L)
Chain line (mm)	FD-TY300-DS6(475)	47.5		-
	FD-TY300-DS6(50)	-		50.0
	FD-TZ510-DS6 FD-TZ500-DS6 FD-TZ31 FD-TZ30	47.5		-
	FD-TY600-L3 FD-TY600-L6	-	47.5	47.5
			50	50
	FD-TY601-L3 FD-TY601-L6	-	47.5	47.5
			50	50

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
			OCTALINK	Square	Chain case								
11, 10, 9	SHIMANO 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	–
10	SHIMANO	FC-M523	✓	–	–	BB-ES300	–	118	–	–	–	–	–
		FC-M522	✓	–	–	BB-ES300	–	113	–	–	–	–	–
9	SHIMANO	FC-M521	✓	–	✓*1	BB-ES300-AK	–	*2	–	–	–	–	–
	ALIVIO	FC-M4000	✓	–	–	BB-ES300	–	118	–	–	–	–	–
		FC-T4010	✓	–	✓*1	BB-ES300(-K)	–	126(-K)	–	–	–	–	–
		FC-M430-8	✓	–	–	BB-ES300(-E)	–	118(-E)	–	–	–	–	–
		FC-M430	–	✓	–	BB-UN26(-E) BB-UN300(-E)	–	LL113(-E)	–	–	–	–	–
	ACERA	FC-M3000-8	✓	–	–	BB-ES300	–	118	–	–	–	–	–
		FC-M3000 FC-M3000-B2	–	✓	–	BB-UN26 BB-UN300	–	LL113	–	–	–	–	–
		FC-T3010-8	✓	-	✓*1	BB-ES300(-K)	–	126(-K)	–	–	–	–	–
		FC-T3010	–	✓	✓*1	BB-UN26(-K) BB-UN300 (-K)	–	LL123(-K)	–	–	–	–	–
	ALTUS	FC-M2000	–	✓	–	BB-UN26 BB-UN300 BB-UN100 BB-UN101	–	LL123(-K)	–	–	–	–	–
	SHIMANO	FC-MT100 FC-MT101	–	✓	–	BB-UN26 BB-UN300 BB-UN100 BB-UN101	–	LL123	–	–	–	–	–
		FC-M371	–	✓	✓*1	BB-UN26(-K) BB-UN300 (-K)	–	LL123(-K)	–	–	–	–	–
		FC-M351											

*1 Chain case stay thickness should be 1.5 mm to 2.1 mm.
*2 Please refer to C-445 for detailed combination.

NOTE

- If using a chain case, select a BB-xxxx (-K) / -K bottom bracket.
- If using an E-type front derailleur, select a BB-xxxx (-E) bottom bracket.
- FC-M521: Use 121AK with 1.8 mm spacer if no chain case used.

8, 7, 6-speed

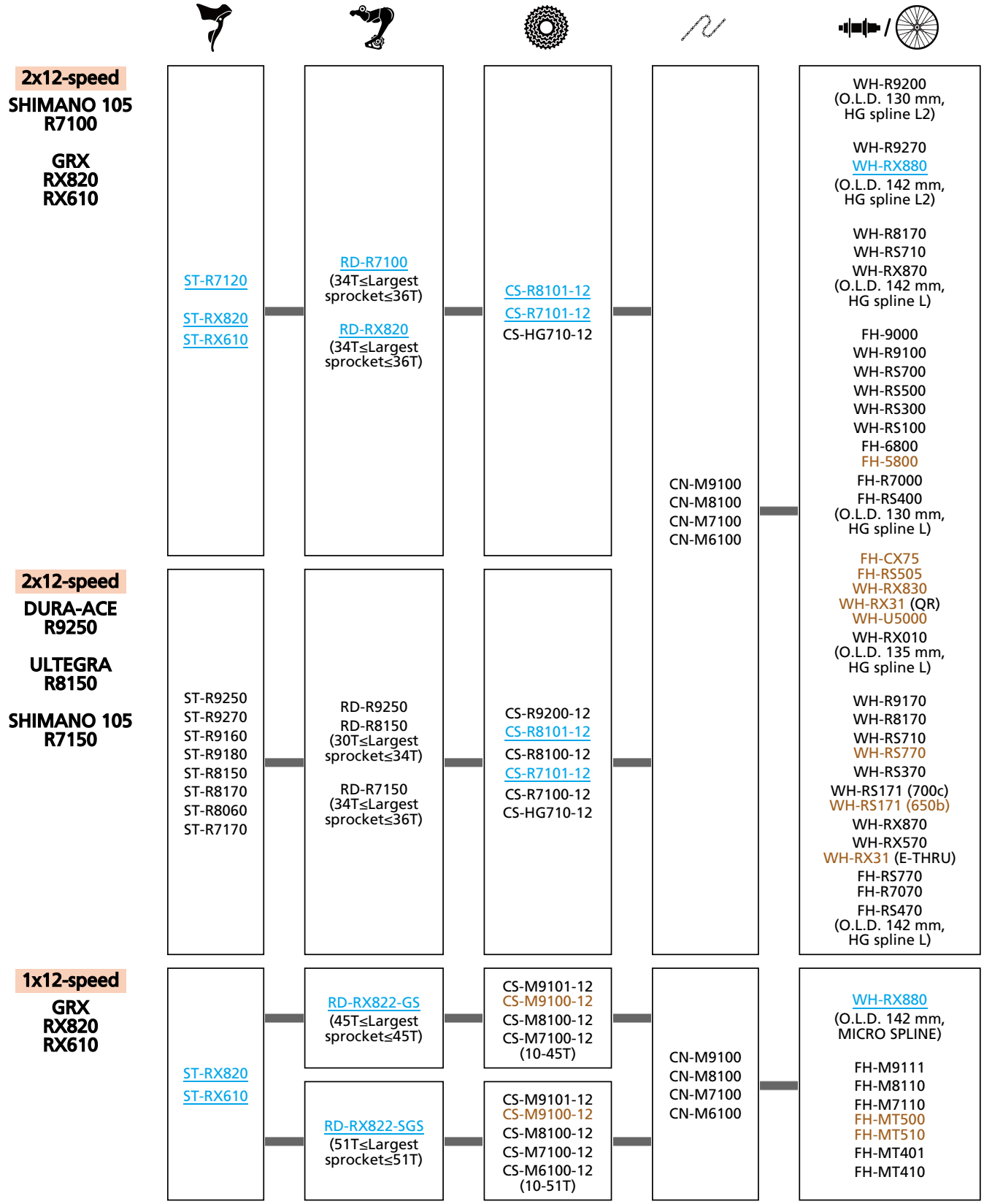
Speed	Series	Crankset				Bottom bracket	Chain line and axle mark						
		Model No.	Type of crank			Model No.	47.5 mm	50.0 mm	52.5 mm	47.5+t mm	48.8 mm	51.8 mm	52 mm
			OCTALINK	Square	Chain case								
8, 7	ACERA ALTUS	FC-M361 FC-M311	–	✓	✓*1	BB-UN26(-K) BB-UN300 (-K)	–	LL123(-K)	–	–	–	–	–
	TOURNEY	FC-TX801	–	✓	✓*1	BB-UN26(-K) BB-UN300 (-K) BB-UN100 (-K) BB-UN101 (-K)	–	LL123(-K)	–	–	–	–	–
	SHIMANO	FC-M315-2	–	✓	–	BB-UN26 BB-UN300 BB-UN100 BB-UN101	–	–	–	–	LL123	–	–
		FC-M315-B2	–	✓	–	BB-UN26 BB-UN300 BB-UN100 BB-UN101	–	–	–	–	–	LL123	–
		FC-TY501-2	–	✓	–	BB-UN26 BB-UN300 BB-UN100 BB-UN101	–	–	–	–	LL123	–	–
8, 7, 6	SHIMANO	FC-TY701 FC-TY501 FC-TY301	–	✓	✓	BB-UN26(-K) BB-UN300 (-K) BB-UN100 (-K) BB-UN101 (-K)	D-NL (122.5)	BB-UN26 (-K) BB-UN300 (-K) D-EL (-K)	–	D-NL-K (122.5)	–	–	–

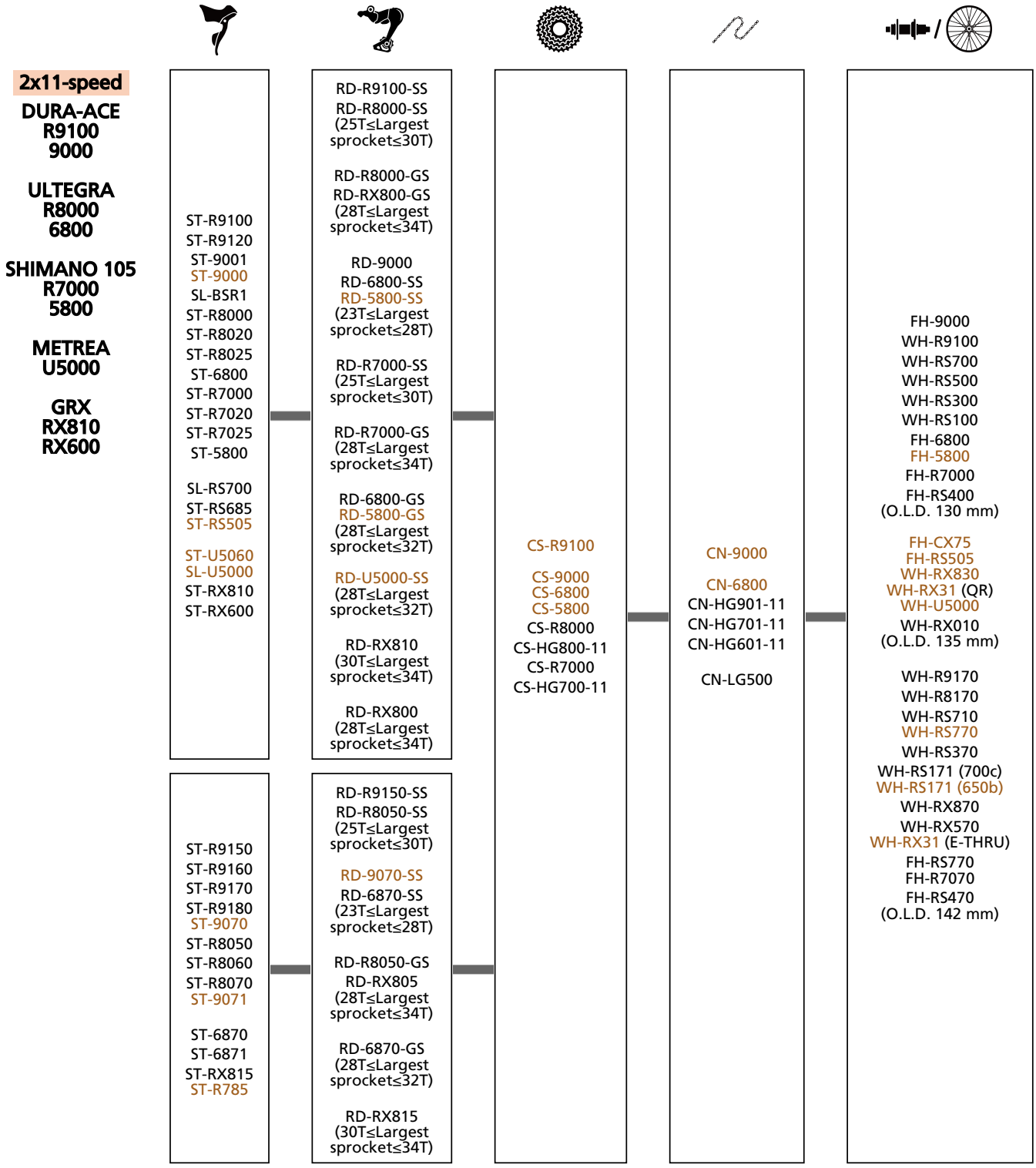
*1 Chain case stay thickness should be 1.5 mm to 2.1 mm.

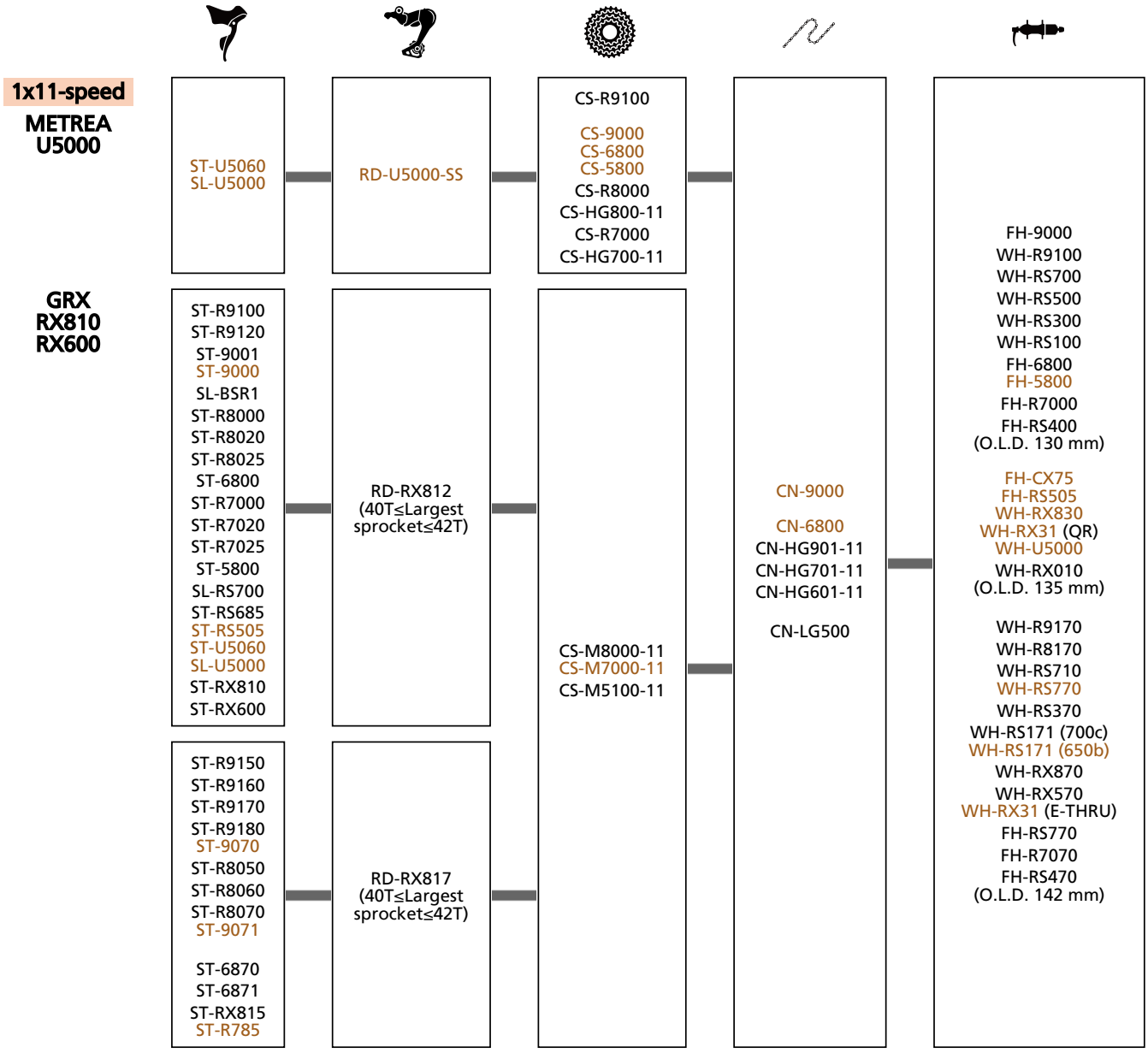
NOTE

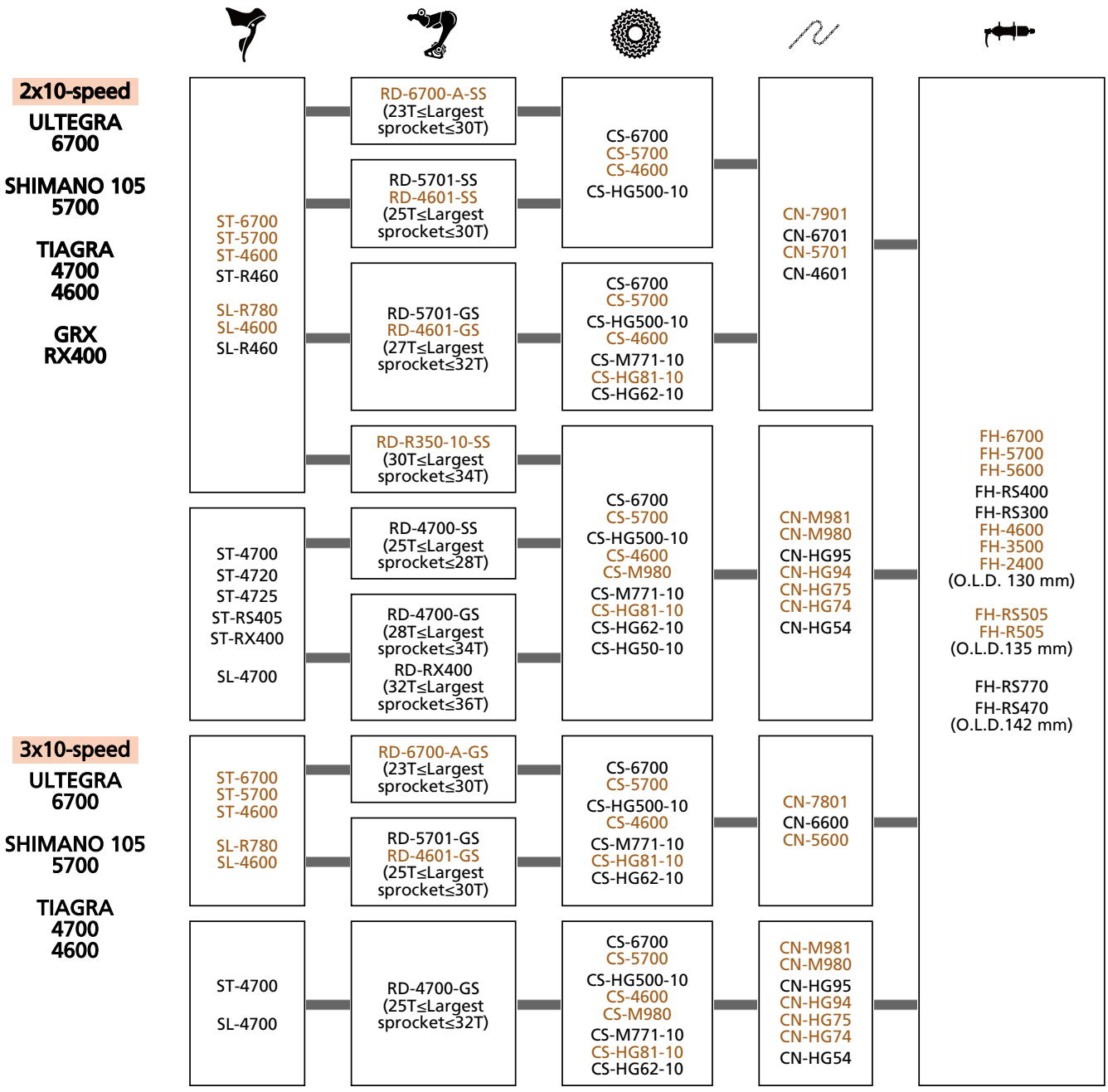
- If using a chain case, select a BB-xxxx (-K) / -K bottom bracket.
- If using an E-type front derailleur, select a BB-xxxx (-E) bottom bracket.

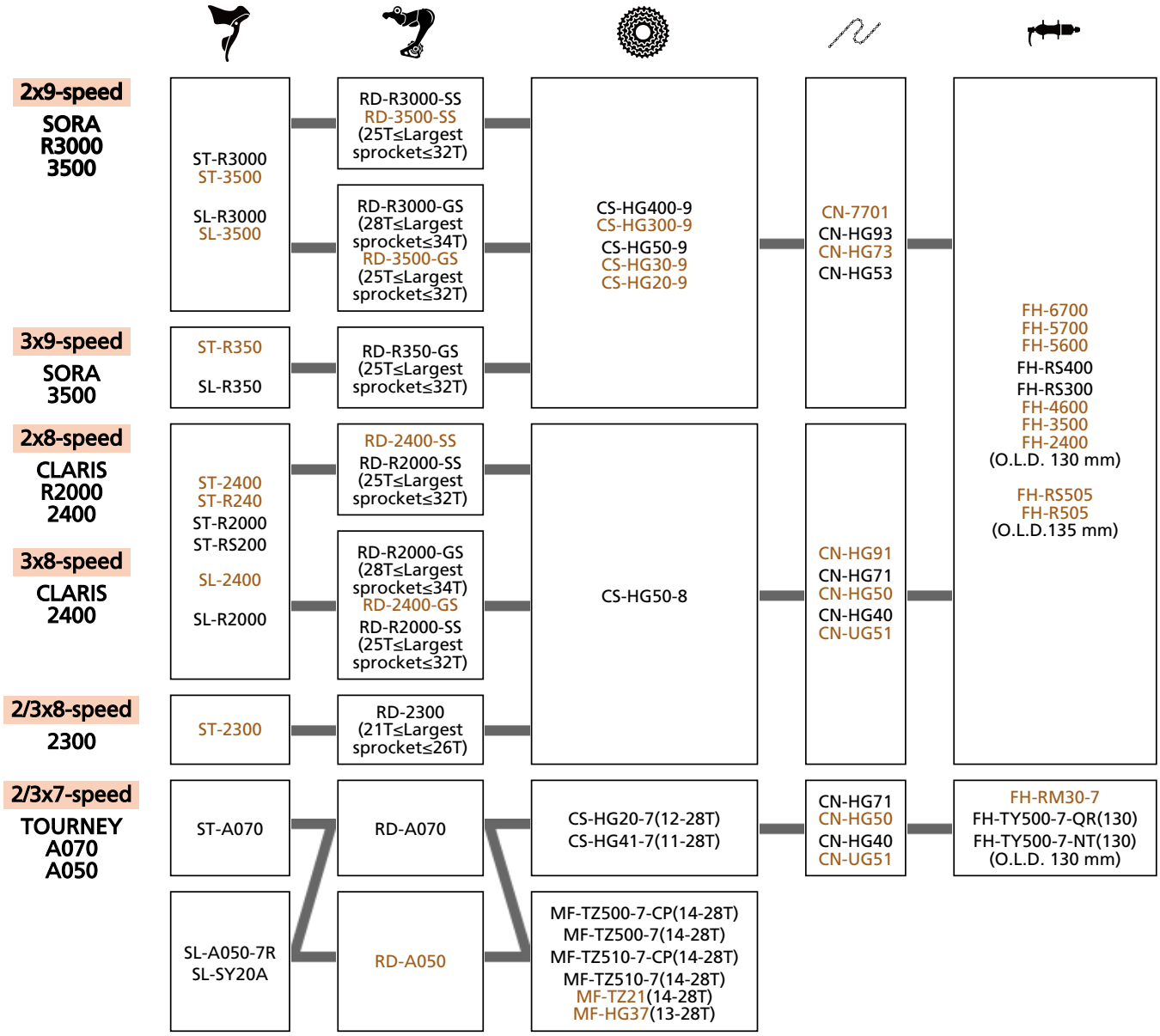
Rear drivetrain compatibility C-454



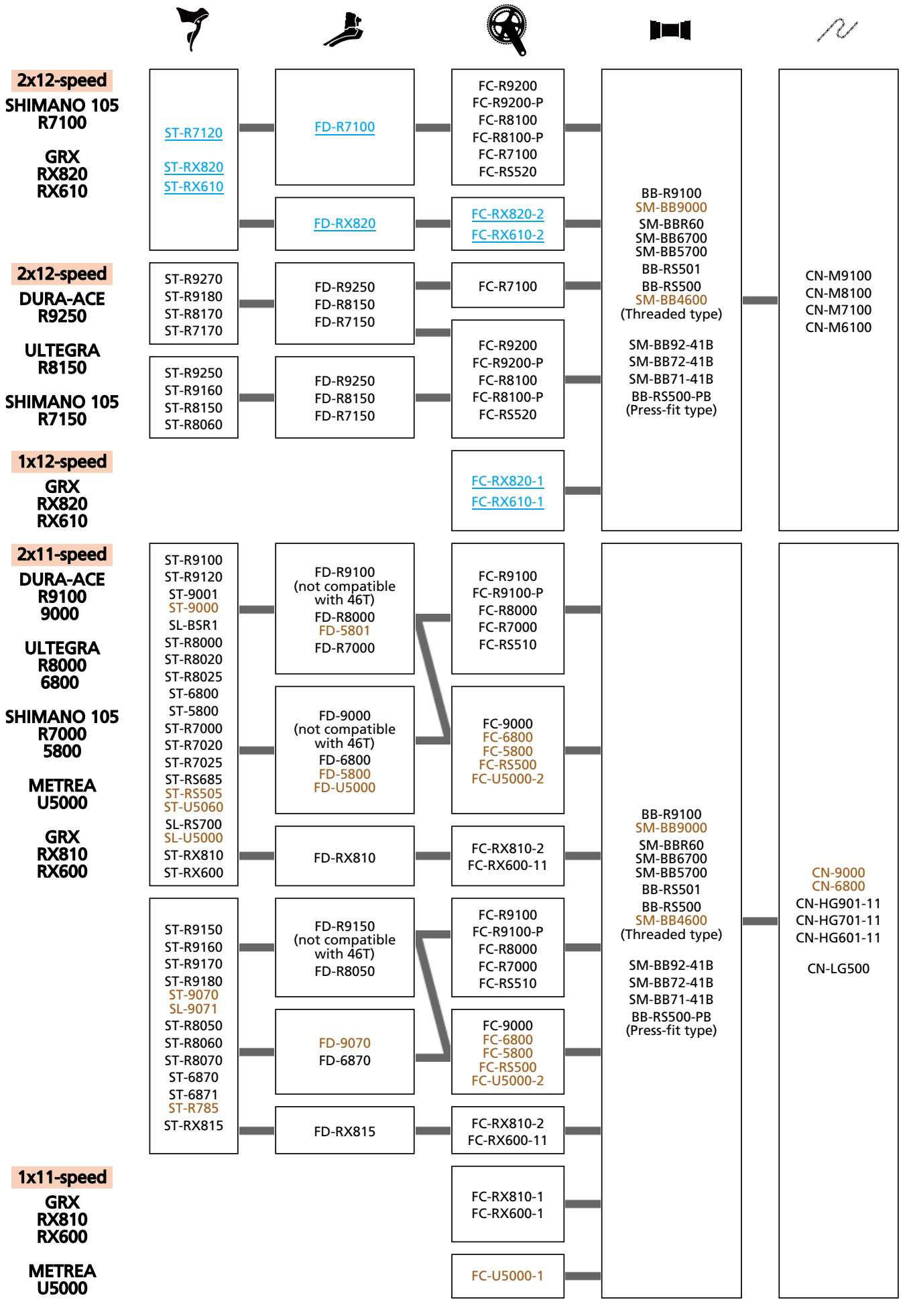

2x11-speed
DURA-ACE
R9100
9000
ULTEGRA
R8000
6800
SHIMANO 105
R7000
5800
METREA
U5000
GRX
RX810
RX600
ST-R9100
ST-R9120
ST-9001
ST-9000
SL-BSR1
ST-R8000
ST-R8020
ST-R8025
ST-6800
ST-R7000
ST-R7020
ST-R7025
ST-5800
SL-RS700
ST-RS685
ST-RS505
ST-U5060
SL-U5000
ST-RX810
ST-RX600
RD-R9100-SS
RD-R8000-SS
(25T≤Largest sprocket≤30T)
RD-R8000-GS
RD-RX800-GS
(28T≤Largest sprocket≤34T)
RD-9000
RD-6800-SS
RD-5800-SS
(23T≤Largest sprocket≤28T)
RD-R7000-SS
(25T≤Largest sprocket≤30T)
RD-R7000-GS
(28T≤Largest sprocket≤34T)
RD-6800-GS
RD-5800-GS
(28T≤Largest sprocket≤32T)
RD-U5000-SS
(28T≤Largest sprocket≤32T)
RD-RX810
(30T≤Largest sprocket≤34T)
RD-RX800
(28T≤Largest sprocket≤34T)
CS-R9100
CS-9000
CS-6800
CS-5800
CS-R8000
CS-HG800-11
CS-R7000
CS-HG700-11
CN-9000
CN-6800
CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500
FH-9000
WH-R9100
WH-RS700
WH-RS500
WH-RS300
WH-RS100
FH-6800
FH-5800
FH-R7000
FH-RS400
(O.L.D. 130 mm)
FH-CX75
FH-RS505
WH-RX830
WH-RX31 (QR)
WH-U5000
WH-RX010
(O.L.D. 135 mm)
WH-R9170
WH-R8170
WH-RS710
WH-RS770
WH-RS370
WH-RS171 (700c)
WH-RS171 (650b)
WH-RX870
WH-RX570
WH-RX31 (E-THRU)
FH-RS770
FH-R7070
FH-RS470
(O.L.D. 142 mm)
ST-R9150
ST-R9160
ST-R9170
ST-R9180
ST-9070
ST-R8050
ST-R8060
ST-R8070
ST-9071
ST-6870
ST-6871
ST-RX815
ST-R785
RD-R9150-SS
RD-R8050-SS
(25T≤Largest sprocket≤30T)
RD-9070-SS
RD-6870-SS
(23T≤Largest sprocket≤28T)
RD-R8050-GS
RD-RX805
(28T≤Largest sprocket≤34T)
RD-6870-GS
(28T≤Largest sprocket≤32T)
RD-RX815
(30T≤Largest sprocket≤34T)

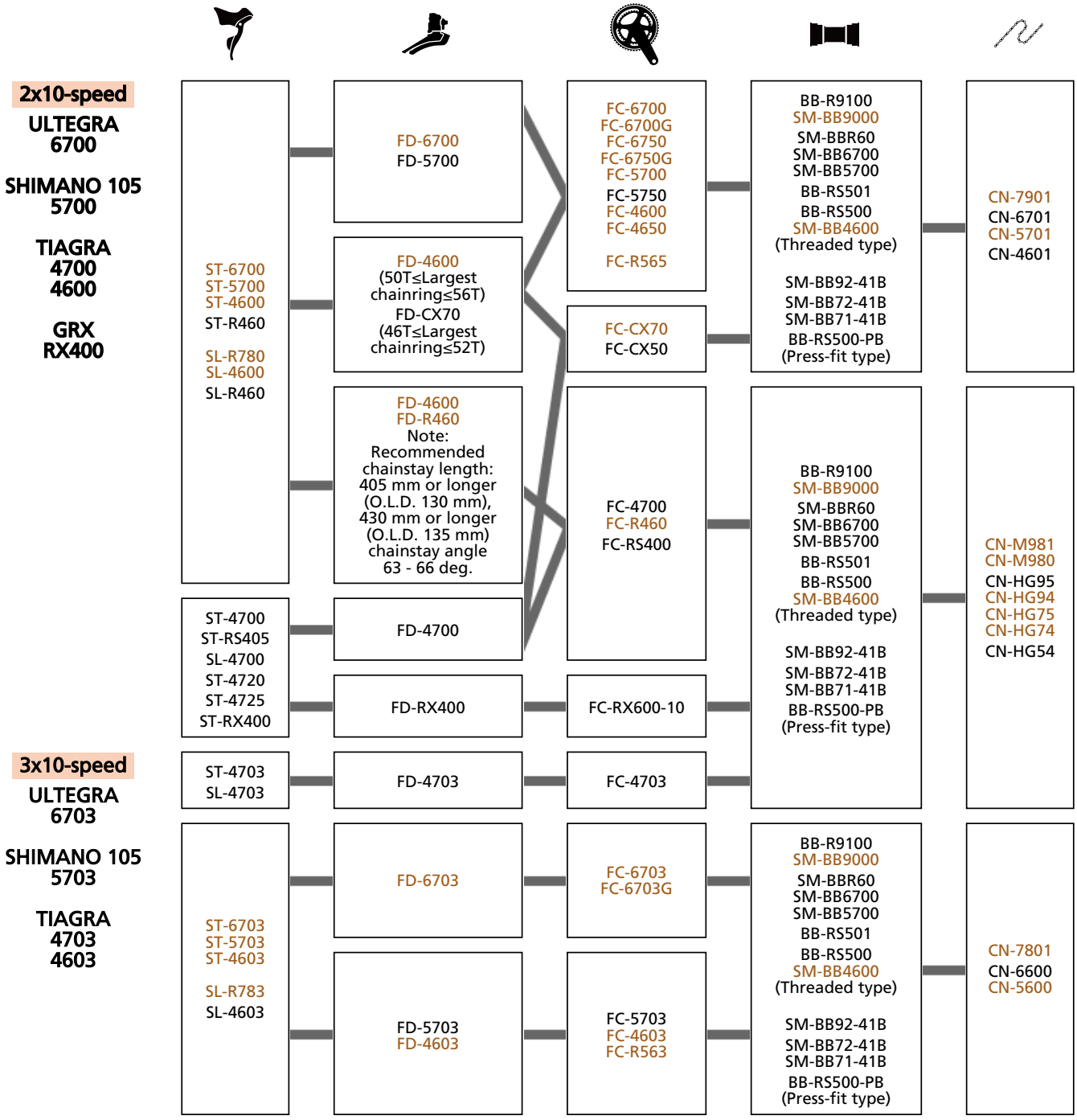

1x11-speed
METREA
U5000
GRX
RX810
RX600
ST-U5060
SL-U5000
ST-R9100
ST-R9120
ST-9001
ST-9000
SL-BSR1
ST-R8000
ST-R8020
ST-R8025
ST-6800
ST-R7000
ST-R7020
ST-R7025
ST-5800
SL-RS700
ST-RS685
ST-RS505
ST-U5060
SL-U5000
ST-RX810
ST-RX600
ST-R9150
ST-R9160
ST-R9170
ST-R9180
ST-9070
ST-R8050
ST-R8060
ST-R8070
ST-9071
ST-6870
ST-6871
ST-RX815
ST-R785
RD-U5000-SS
RD-RX812
(40T≤Largest
sprocket≤42T)
RD-RX817
(40T≤Largest
sprocket≤42T)
CS-R9100
CS-9000
CS-6800
CS-5800
CS-R8000
CS-HG800-11
CS-R7000
CS-HG700-11
CS-M8000-11
CS-M7000-11
CS-M5100-11
CN-9000
CN-6800
CN-HG901-11
CN-HG701-11
CN-HG601-11
CN-LG500
FH-9000
WH-R9100
WH-RS700
WH-RS500
WH-RS300
WH-RS100
FH-6800
FH-5800
FH-R7000
FH-RS400
(O.L.D. 130 mm)
FH-CX75
FH-RS505
WH-RX830
WH-RX31 (QR)
WH-U5000
WH-RX010
(O.L.D. 135 mm)
WH-R9170
WH-R8170
WH-RS710
WH-RS770
WH-RS370
WH-RS171 (700c)
WH-RS171 (650b)
WH-RX870
WH-RX570
WH-RX31 (E-THRU)
FH-RS770
FH-R7070
FH-RS470
(O.L.D. 142 mm)

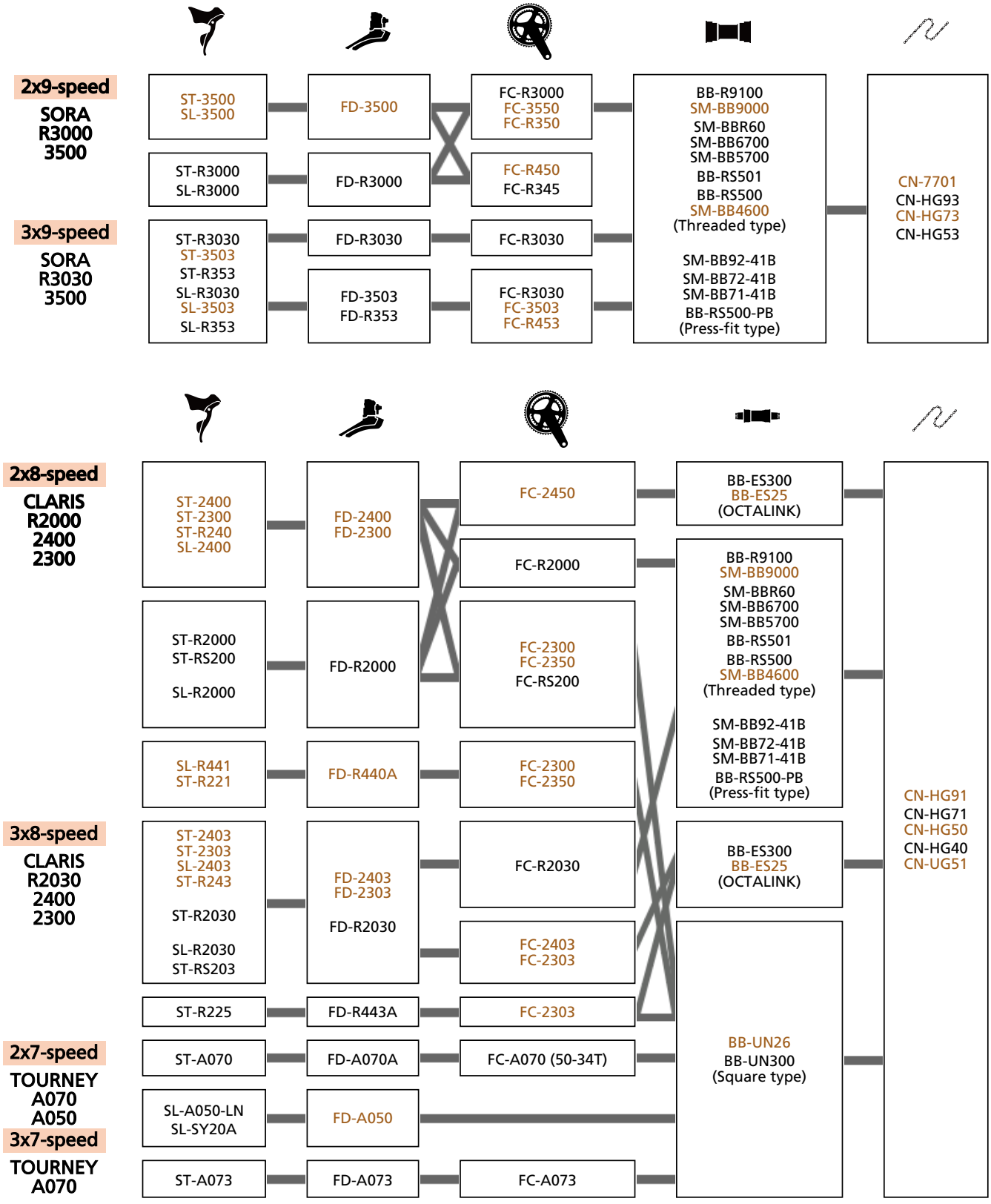

2x10-speed
ULTEGRA
6700
SHIMANO 105
5700
TIAGRA
4700
4600
GRX
RX400
ST-6700
ST-5700
ST-4600
ST-R460
SL-R780
SL-4600
SL-R460
ST-4700
ST-4720
ST-4725
ST-RS405
ST-RX400
SL-4700
RD-6700-A-SS
(23T≤Largest sprocket≤30T)
RD-5701-SS
RD-4601-SS
(25T≤Largest sprocket≤30T)
RD-5701-GS
RD-4601-GS
(27T≤Largest sprocket≤32T)
RD-R350-10-SS
(30T≤Largest sprocket≤34T)
RD-4700-SS
(25T≤Largest sprocket≤28T)
RD-4700-GS
(28T≤Largest sprocket≤34T)
RD-RX400
(32T≤Largest sprocket≤36T)
CS-6700
CS-5700
CS-4600
CS-HG500-10
CS-6700
CS-5700
CS-HG500-10
CS-4600
CS-M771-10
CS-HG81-10
CS-HG62-10
CS-6700
CS-5700
CS-HG500-10
CS-4600
CS-M980
CS-M771-10
CS-HG81-10
CS-HG62-10
CS-HG50-10
CN-7901
CN-6701
CN-5701
CN-4601
CN-M981
CN-M980
CN-HG95
CN-HG94
CN-HG75
CN-HG74
CN-HG54
FH-6700
FH-5700
FH-5600
FH-RS400
FH-RS300
FH-4600
FH-3500
FH-2400
(O.L.D. 130 mm)
FH-RS505
FH-R505
(O.L.D.135 mm)
FH-RS770
FH-RS470
(O.L.D.142 mm)
3x10-speed
ULTEGRA
6700
SHIMANO 105
5700
TIAGRA
4700
4600
ST-6700
ST-5700
ST-4600
SL-R780
SL-4600
ST-4700
SL-4700
RD-6700-A-GS
(23T≤Largest sprocket≤30T)
RD-5701-GS
RD-4601-GS
(25T≤Largest sprocket≤30T)
RD-4700-GS
(25T≤Largest sprocket≤32T)
CS-6700
CS-5700
CS-HG500-10
CS-4600
CS-M771-10
CS-HG81-10
CS-HG62-10
CS-6700
CS-5700
CS-HG500-10
CS-4600
CS-M980
CS-M771-10
CS-HG81-10
CS-HG62-10
CN-7801
CN-6600
CN-5600
CN-M981
CN-M980
CN-HG95
CN-HG94
CN-HG75
CN-HG74
CN-HG54


2x9-speed
SORA
R3000
3500
ST-R3000
ST-3500
SL-R3000
SL-3500
RD-R3000-SS
RD-3500-SS
(25T≤Largest sprocket≤32T)
RD-R3000-GS
(28T≤Largest sprocket≤34T)
RD-3500-GS
(25T≤Largest sprocket≤32T)
CS-HG400-9
CS-HG300-9
CS-HG50-9
CS-HG30-9
CS-HG20-9
CN-7701
CN-HG93
CN-HG73
CN-HG53
FH-6700
FH-5700
FH-5600
FH-RS400
FH-RS300
FH-4600
FH-3500
FH-2400
(O.L.D. 130 mm)
FH-RS505
FH-R505
(O.L.D.135 mm)
3x9-speed
SORA
3500
ST-R350
SL-R350
RD-R350-GS
(25T≤Largest sprocket≤32T)
2x8-speed
CLARIS
R2000
2400
3x8-speed
CLARIS
2400
ST-2400
ST-R240
ST-R2000
ST-RS200
SL-2400
SL-R2000
RD-2400-SS
RD-R2000-SS
(25T≤Largest sprocket≤32T)
RD-R2000-GS
(28T≤Largest sprocket≤34T)
RD-2400-GS
RD-R2000-SS
(25T≤Largest sprocket≤32T)
CS-HG50-8
CN-HG91
CN-HG71
CN-HG50
CN-HG40
CN-UG51
2/3x8-speed
2300
ST-2300
RD-2300
(21T≤Largest sprocket≤26T)
2/3x7-speed
TOURNEY
A070
A050
ST-A070
SL-A050-7R
SL-SY20A
RD-A070
RD-A050
CS-HG20-7(12-28T)
CS-HG41-7(11-28T)
MF-TZ500-7-CP(14-28T)
MF-TZ500-7(14-28T)
MF-TZ510-7-CP(14-28T)
MF-TZ510-7(14-28T)
MF-TZ21(14-28T)
MF-HG37(13-28T)
CN-HG71
CN-HG50
CN-HG40
CN-UG51
FH-RM30-7
FH-TY500-7-QR(130)
FH-TY500-7-NT(130)
(O.L.D. 130 mm)

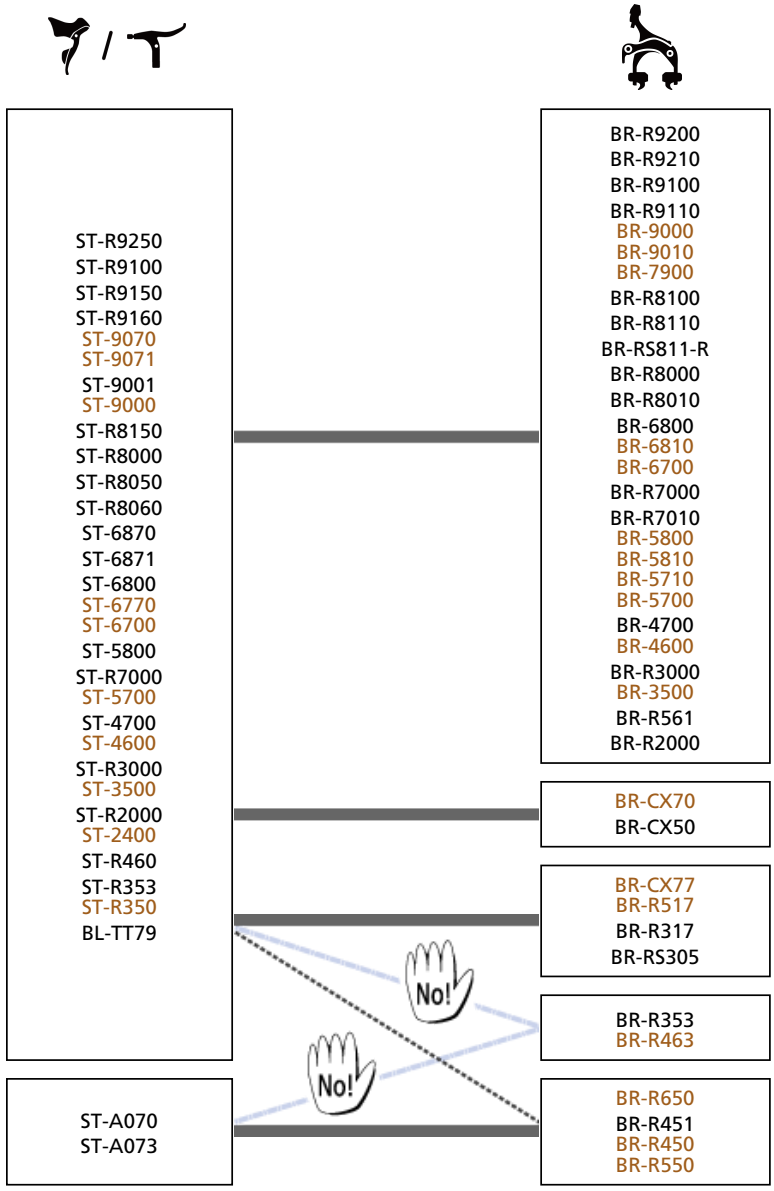
Front drivetrain compatibility




2x10-speed
ULTEGRA
6700
SHIMANO 105
5700
TIAGRA
4700
4600
GRX
RX400
ST-6700
ST-5700
ST-4600
ST-R460
SL-R780
SL-4600
SL-R460
FD-6700
FD-5700
FD-4600
(50T≤Largest chainring≤56T)
FD-CX70
(46T≤Largest chainring≤52T)
FD-4600
FD-R460
Note:
Recommended chainstay length:
405 mm or longer (O.L.D. 130 mm),
430 mm or longer (O.L.D. 135 mm)
chainstay angle
63 - 66 deg.
FC-6700
FC-6700G
FC-6750
FC-6750G
FC-5700
FC-5750
FC-4600
FC-4650
FC-R565
FC-CX70
FC-CX50
FC-4700
FC-R460
FC-RS400
BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
SM-BB4600
(Threaded type)
SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)
CN-7901
CN-6701
CN-5701
CN-4601
CN-M981
CN-M980
CN-HG95
CN-HG94
CN-HG75
CN-HG74
CN-HG54
ST-4700
ST-RS405
SL-4700
ST-4720
ST-4725
ST-RX400
FD-4700
FD-RX400
FC-RX600-10
3x10-speed
ULTEGRA
6703
SHIMANO 105
5703
TIAGRA
4703
4603
ST-4703
SL-4703
FD-4703
FC-4703
ST-6703
ST-5703
ST-4603
SL-R783
SL-4603
FD-6703
FD-5703
FD-4603
FC-6703
FC-6703G
FC-5703
FC-4603
FC-R563
CN-7801
CN-6600
CN-5600

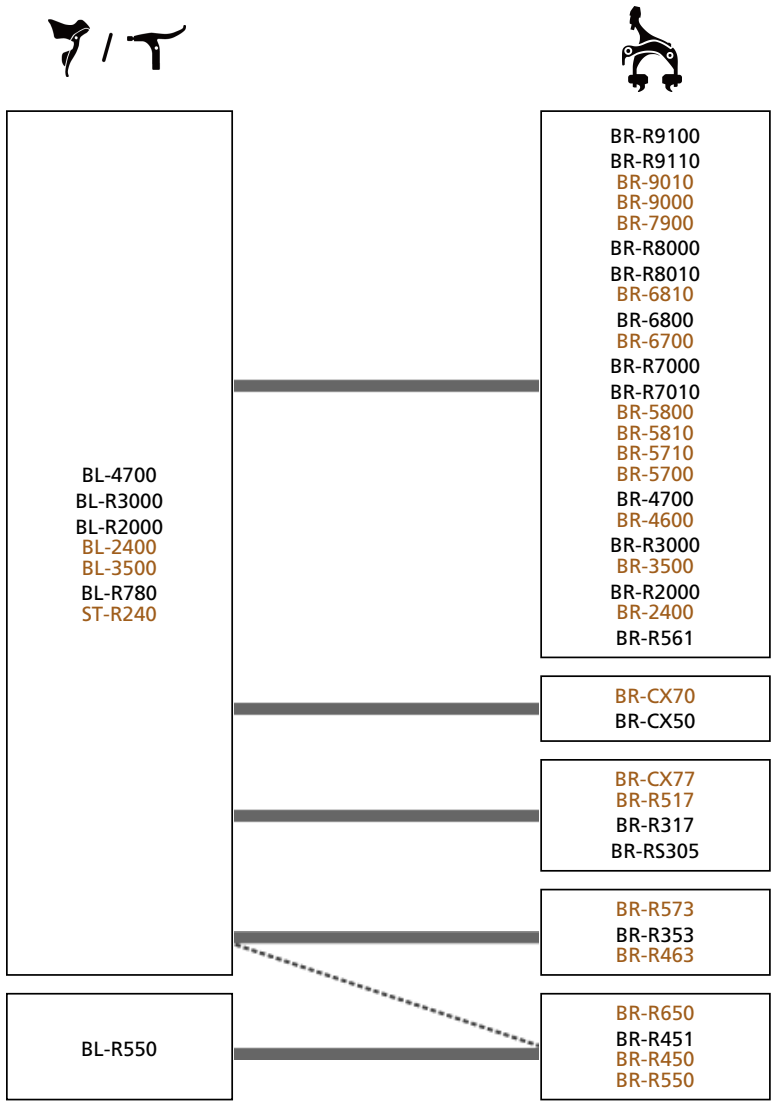

2x9-speed
SORA
R3000
3500
ST-3500
SL-3500
FD-3500
FC-R3000
FC-3550
FC-R350
ST-R3000
SL-R3000
FD-R3000
FC-R450
FC-R345
3x9-speed
SORA
R3030
3500
ST-R3030
ST-3503
ST-R353
SL-R3030
SL-3503
SL-R353
FD-R3030
FD-3503
FD-R353
FC-R3030
FC-R3030
FC-3503
FC-R453
BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
SM-BB4600
(Threaded type)
SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)
CN-7701
CN-HG93
CN-HG73
CN-HG53
2x8-speed
CLARIS
R2000
2400
2300
ST-2400
ST-2300
ST-R240
SL-2400
FD-2400
FD-2300
FC-2450
FC-R2000
ST-R2000
ST-RS200
SL-R2000
FD-R2000
FC-2300
FC-2350
FC-RS200
SL-R441
ST-R221
FD-R440A
FC-2300
FC-2350
BB-ES300
BB-ES25
(OCTALINK)
BB-R9100
SM-BB9000
SM-BBR60
SM-BB6700
SM-BB5700
BB-RS501
BB-RS500
SM-BB4600
(Threaded type)
SM-BB92-41B
SM-BB72-41B
SM-BB71-41B
BB-RS500-PB
(Press-fit type)
3x8-speed
CLARIS
R2030
2400
2300
ST-2403
ST-2303
SL-2403
ST-R243
ST-R2030
SL-R2030
ST-RS203
FD-2403
FD-2303
FD-R2030
FC-R2030
FC-2403
FC-2303
BB-ES300
BB-ES25
(OCTALINK)
ST-R225
FD-R443A
FC-2303
2x7-speed
TOURNEY
A070
A050
ST-A070
FD-A070A
FC-A070 (50-34T)
SL-A050-LN
SL-SY20A
FD-A050
BB-UN26
BB-UN300
(Square type)
3x7-speed
TOURNEY
A070
ST-A073
FD-A073
FC-A073
CN-HG91
CN-HG71
CN-HG50
CN-HG40
CN-UG51

Brake systems compatibility [ROAD] C-456



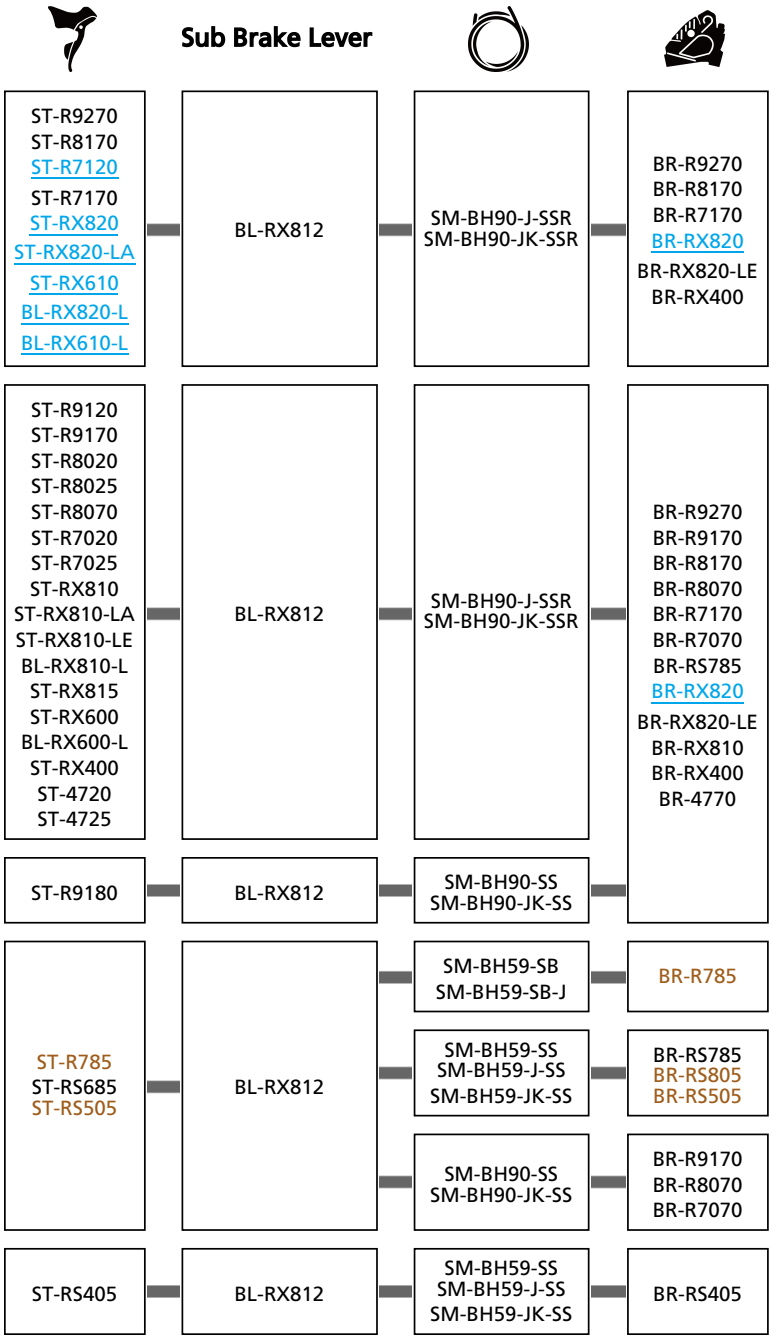
: Braking power is slightly less than standard combination.

: The “NO!” symbols indicate combinations that should not be used under any circumstances.

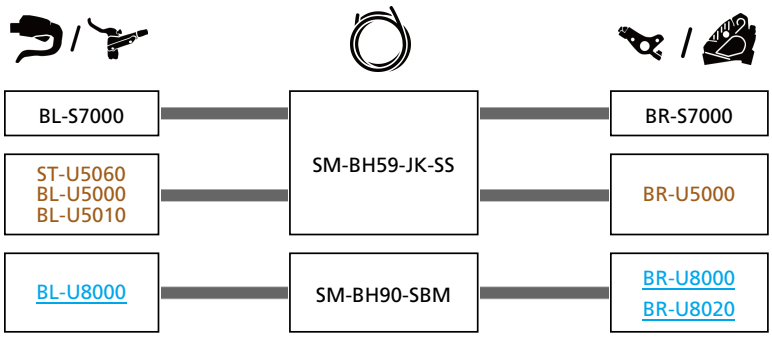


: Braking power is slightly less than standard combination.

Hydraulic systems compatibility [ROAD, Gravel]



Hydraulic systems compatibility [URBAN, LIFESTYLE]



Compatibility of BL-U8000 with shift lever

Shift levers 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)
SHIMANO CUES	SL-U8000-L / SL-U8000-R
	SL-U8000-IL / SL-U8000-IR

BL-U8000 compatibility with shift levers not listed in the table above

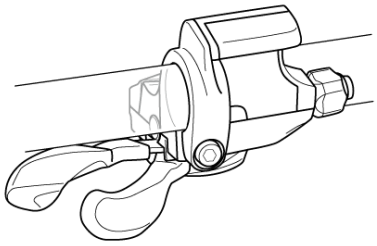
Clamp band type

Shift lever 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

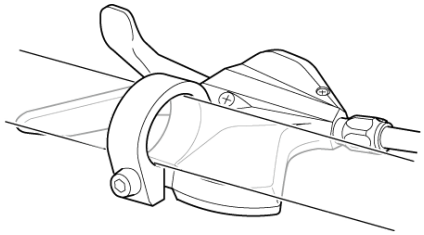
I-SPEC type

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 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 shift lever

	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 EV	BL-M9100	✓	✓	✓	✓	✓	✓	✓
	BL-M9120	✓	✓	✓	✓	✓	✓	✓
	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 shift lever, please refer to the C-738.

I-SPEC II shift lever

	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-M9100	-	-	-	-	-	-	-
	BL-M9120	-	-	-	-	-	-	-
	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 shift lever, please refer to the C-738.

I-SPEC B shift lever

	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 EV	BL-M9100	-	-	-
	BL-M9120	-	-	-
	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 shift lever, please refer to the C-738.

Compatibility of seat post lever and brake lever

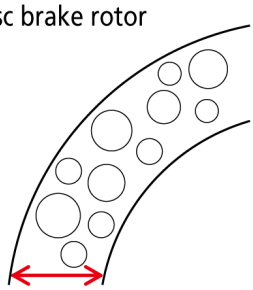
	Model No.	I-SPEC EV shift lever	
		SL-MT800	SL-MT500-I
I-SPEC EV	BL-M9100	✓	✓
	BL-M9120	✓	✓
	BL-M8100	✓	✓
	BL-M7100	✓	✓
	BL-M6100	✓	✓
	BL-M4100	✓	✓
I-SPEC II	BL-M9000	-	-
	BL-M9020	-	-
	BL-M8000	-	-
	BL-T8100	-	-
	BL-T8000	-	-
	BL-M7000	-	-
	BL-M6000	-	-
	BL-T6000	-	-
	BL-RS600	-	-
	BL-MT500	-	-
	BL-MT501	-	-
	BL-U8000	-	-
	BL-U5000	-	-
I-SPEC B	BL-M820-B	-	-

Disc brake caliper and disc brake rotor compatibility C-461

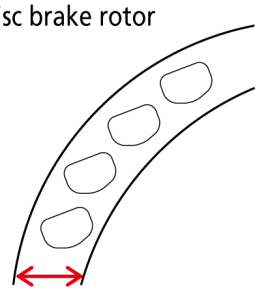
Brake caliper	Brake pad material	Pad type	Disc brake rotor				
			220 mm (LL)	203 mm (L)	180 mm (M)	160 mm (S)	140 mm (SS)
BR-M9100*4 BR-M9110*5 BR-M9120 BR-M8100 BR-M8110*6 BR-M8120 BR-M8000 BR-M8020 BR-M7100 BR-M7110*6 BR-M7120 BR-M6100 BR-M6120 BR-MT520 BR-MT420 BR-M820 BR-U8000 BR-U8020	Metal / Resin	Narrow	SM-RT66-LL SM-RT64-LL	RT-CL900-203 RT-CL800-203 RT-MT905-L RT-MT900-L SM-RT99-L RT-MT800-L SM-RT86-L SM-RT81-L SM-RT76-L SM-RT70-L SM-RT66-L SM-RT64-L SM-RT30-L*2 RT-EM910-L*1 RT-EM900-L*1 RT-EM810-L*1 RT-EM600-L*1 RT-EM300-L*1*2	RT-CL900-180 RT-CL800-180 RT-MT905-M RT-MT900-M SM-RT99-M RT-MT800-M SM-RT86-M SM-RT81-M SM-RT76-M SM-RT70-M SM-RT66-M SM-RT64-M SM-RT56-M*2 SM-RT54-M*2 SM-RT30-M*2 SM-RT26-M*2 SM-RT10-M*2 RT-EM910-M*1 RT-EM900-M*1 RT-EM810-M*1 RT-EM800-M*1 RT-EM600-M*1 RT-EM300-M*1*2	RT-CL900-160 RT-CL800-160 RT-MT900-S SM-RT900-S SM-RT800-S SM-RT99-S RT-MT800-S SM-RT86-S SM-RT81-S SM-RT76-S SM-RT70-S SM-RT66-S SM-RT64-S SM-RTC60 SM-RT56-S*2 SM-RT54-S*2 SM-RT30-S*2 SM-RT26-S*2 SM-RT10-S*2 RT-EM910-M*1 RT-EM900-S*1 RT-EM810-M*1 RT-EM800-S*1 RT-EM600-S*1 RT-EM300-S*1*2	RT-CL900-140 RT-CL800-140 RT-MT900-SS SM-RT900-SS SM-RT99-SS SM-RT99-A-SS RT-MT800-SS SM-RT800-SS SM-RT81-SS SM-RT70-SS
BR-S700 BR-S7000	Resin	-	-				
BR-MT410	Resin	Wide	-	SM-RT30-L RT-EM300-L*1	SM-RT56-M SM-RT54-M SM-RT30-M SM-RT26-M SM-RT10-M RT-EM300-M*1	SM-RT56-S SM-RT54-S SM-RT30-S SM-RT26-S SM-RT10-S RT-EM300-S*1	-
BR-T675 BR-T615 BR-M4050 BR-MT500 BR-M446 BR-MT400 BR-M3050 BR-M395 BR-M375 BR-MT200 BR-M365 BR-M315 BR-TX805 BR-UR300	Resin	Wide	-	-			
BR-R9270*7 BR-R9170*3 BR-R8170 BR-R8070 BR-R7170 BR-R7070 BR-4770 BR-RS805 BR-R785 BR-RS785 BR-RS505 BR-RS405 BR-RS305 BR-RX820 BR-RX820-LE BR-RX810 BR-RX400	Metal / Resin	Narrow	-	-	RT-CL900-180 RT-CL800-180 RT-MT905-M RT-MT900-M RT-MT800-M SM-RT99-M SM-RT86-M SM-RT81-M SM-RT76-M SM-RT70-M SM-RT66-M SM-RT64-M SM-RT56-M*2 SM-RT54-M*2 SM-RT30-M*2 SM-RT26-M*2 SM-RT10-M*2 RT-EM910-M*1 RT-EM900-M*1 RT-EM810-M*1 RT-EM800-M*1 RT-EM600-M*1 RT-EM300-M*1*2	RT-CL900-160 RT-CL800-160 RT-MT900-S SM-RT900-S RT-MT800-S SM-RT800-S SM-RT99-S SM-RT86-S SM-RT81-S SM-RT76-S SM-RT70-S SM-RT66-S SM-RT64-S SM-RT56-S*2 SM-RT54-S*2 SM-RT30-S*2 SM-RT26-S*2 SM-RT10-S*2 RT-EM910-S*1 RT-EM900-S*1 RT-EM810-S*1 RT-EM800-S*1 RT-EM600-S*1 RT-EM300-S*1*2	RT-CL900-140 RT-CL800-140 RT-MT900-SS SM-RT900-SS RT-MT800-SS SM-RT800-SS SM-RT99-SS SM-RT99-A-SS SM-RT81-SS SM-RT70-SS SM-RT64-SS
BR-CX77 BR-R517 BR-R317	Metal / Resin	Narrow	-	-	-	SM-RT99-S SM-RT86-S SM-RT81-S SM-RT76-S SM-RT70-S SM-RT66-S SM-RT64-S	SM-RT99-SS SM-RT99-A-SS SM-RT81-SS
BR-U5000*3	Metal / Resin	Narrow	-	-	-	SM-RT99-S SM-RT86-S SM-RT81-S SM-RT76-S SM-RT70-S SM-RT66-S SM-RT64-S	SM-RT500-SS SM-RT99-SS SM-RT99-A-SS SM-RT81-SS

*1 Disc brake rotor for speed sensor SM-DUE11, rear only
*2 Resin pad only
*3 Not compatible with rear 180 mm (M) disc brake rotors
*4 Not compatible with 220mm (LL) and 203 mm (L) disc brake rotors
*5 For rear only. Not compatible with 220mm (LL), 203 mm (L) and 180 mm (M) disc brake rotors.
*6 For rear only. Not compatible 220mm (LL) and with 203 mm (L) disc brake rotors.
*7 Not compatible with 180 mm (M) disc brake rotors.

Wide type disc brake rotor



Narrow type disc brake rotor



NOTE

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

Compatibility of lock ring with hubs C-612

Front hub (Disc Brake)

Type	Fixing type of lock ring		
	Internal spline	both Internal & external spline	External spline
QR type	✓	✓	✓
12 mm E-THRU type	✓	✓*	✓
15 mm E-THRU type	-	✓*	✓
20 mm thru axle type	-	✓*	✓

* For E-THRU hub, "Internal & external spline" type lock ring can not be install by TL-LR11. Please Tighten with TL-FC36.

FREEHUB (Disc Brake)

Model No.	Fixing type of lock ring		
	Internal spline	Internal & external spline	External spline
FH-M9111 FH-M9111-B FH-M9111-BS FH-M9000 FH-M9010 FH-M9010-B FH-MT901-B FH-MT901-BS	-	-	✓
Other models (MTB, Trekking, ROAD, URBAN)	✓	✓	✓

Compatibility between brake systems (MT400 series) C-606

	BR-MT400	BR-MT420
BL-MT400	✓	-
BL-MT402-3A	✓	✓
BL-MT401-3A	✓	-
BL-MT401	✓	✓

Combination chart (mechanical disc brake) C-462

Mechanical disc brake combination chart C-463

In order to realize the best performance, we recommend that the following combination be used.

Model No.	Mount type	Brake lever
BR-M375 BR-TX805	*	V-BRAKE BL (2 finger)
BR-R517	*	Road lever**
BR-R317	*	Road lever**
BR-CX77	*	Road lever**
BR-RS305	FLAT MOUNT	Road lever**

* Front mount: International standard / Post mount, Rear mount: International standard / Post mount
** For BL-R780 / 4600 / 5700

Mechanical disc brake and brake lever compatibility C-464

Model No.	Brake lever type		
	2 finger	3,4 finger	3,4 finger w/ POWER MODULATOR* w/ SM-PM50
BR-M375	✓	-	✓
BR-TX805	✓	-	✓

* POWER MODULATOR must be used for front brake

Compatibility between hydraulic disc brake hose

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-M9100	BR-M9100	–	–	–	–	–	✓
BL-M9100	BR-M9110	–	–	–	–	–	✓
BL-M9120	BR-M9120	–	✓	–	–	–	–
BL-M9000	BR-M9000	–	✓	–	–	–	–
BL-M9020	BR-M9020	–	✓	–	–	✓	–
BL-M820	BR-M820	–	–	✓	–	–	–
BL-M8100	BR-M8100	–	✓	–	–	–	–
BL-M8100	BR-M8110	–	–	–	–	–	✓
BL-M8100	BR-M8120	–	✓	–	–	–	–
BL-M8000	BR-M8000	–	✓	–	–	✓	–
BL-M8000	BR-M8020	–	–	✓	–	–	–
BL-T8100	BR-M8100	–	✓	–	–	–	–
BL-T8100	BR-M8120	–	✓	–	–	–	–
BL-M7100	BR-M7100	–	✓	–	–	–	–
BL-M7100	BR-M7110	–	–	–	–	–	✓
BL-M7100	BR-M7120	–	✓	–	–	–	–
BL-M7000	BR-M7000	–	✓	–	–	✓	–
BL-M6100	BR-M6100	–	–	–	–	–	✓
BL-M6100	BR-M6120	–	–	–	–	–	✓
BL-T675	BR-T675	–	–	–	–	–	✓
BL-M640	BR-M640	–	–	✓	✓	–	–
BL-M6000	BR-M6000	–	–	–	–	–	✓
BL-M4100	BR-MT410	–	–	–	–	–	–
BL-M4100	BR-MT420	–	–	–	–	–	✓
BL-T6000	BR-M6000	–	–	–	–	–	–
BL-S7000	BR-S7000	–	–	–	–	–	–
BL-MT501	BR-MT520	–	–	–	–	–	✓
BL-MT501	BR-MT500	–	–	–	–	–	–
BL-MT500	BR-MT500	–	–	–	–	–	–
ST-M4050	BR-M4050	–	–	–	–	–	–
ST-M3050	BR-M3050	–	–	–	–	–	–
BL-T445	BR-M446	–	–	–	–	–	–
BL-MT400	BR-MT400	–	–	–	–	–	–
BL-MT401	BR-MT400	–	–	–	–	–	–
BL-MT401	BR-MT420	–	–	–	–	–	✓
BL-MT401-3A	BR-MT400	–	–	–	–	–	–
BL-MT402-3A	BR-MT400	–	–	–	–	–	–
BL-MT402-3A	BR-MT420	–	–	–	–	–	✓
BL-M425 BL-M396	BR-M395	–	–	–	–	–	–
BL-MT201	BR-MT200	–	–	–	–	–	–
BL-MT200	BR-MT200	–	–	–	–	–	–
BL-MT201	BR-UR300	–	–	–	–	–	–
BL-MT200	BR-UR300	–	–	–	–	–	–
BL-M365	BR-M365	–	–	–	–	–	–
BL-M315	BR-M315	–	–	–	–	–	–
ST-EF505	BR-M315	–	–	–	–	–	–
ST-EF505	BR-MT200	–	–	–	–	–	–
BL-S700	BR-S700	–	✓	–	–	✓	–
BL-U8000	BR-U8000	–	✓	–	–	–	–
BL-U8000	BR-U8020	–	✓	–	–	–	–
BL-U5000	BR-U5000	–	–	–	–	–	–
BL-U5010		–	–	–	–	–	–
ST-U5060		–	–	–	–	–	–

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-SB	SM-BH59-SB-J
Connection		Straight - Straight	Straight - Straight	Straight - Straight	Straight - Banjo	Straight - Banjo
Rigidity		Standard	Standard	Standard	Standard	Standard
BL-M9100	BR-M9100	–	–	–	–	–
BL-M9100	BR-M9110	–	–	–	–	–
BL-M9120	BR-M9120	–	–	–	–	–
BL-M9000	BR-M9000	–	–	–	–	–
BL-M9020	BR-M9020	–	–	–	–	–
BL-M820	BR-M820	–	–	–	–	–
BL-M8100	BR-M8100	–	–	–	–	–
BL-M8100	BR-M8110	–	–	–	–	–
BL-M8100	BR-M8120	–	–	–	–	–
BL-M8000	BR-M8000	–	–	–	–	–
BL-M8000	BR-M8020	–	–	–	–	–
BL-T8100	BR-M8100	–	–	–	–	–
BL-T8100	BR-M8120	–	–	–	–	–
BL-M7100	BR-M7100	–	–	–	–	–
BL-M7100	BR-M7110	–	–	–	–	–
BL-M7100	BR-M7120	–	–	–	–	–
BL-M7000	BR-M7000	–	–	–	–	–
BL-M6100	BR-M6100	–	–	–	–	–
BL-M6100	BR-M6120	–	–	–	–	–
BL-T675	BR-T675	–	–	–	–	–
BL-M640	BR-M640	–	–	–	–	–
BL-M6000	BR-M6000	–	–	–	–	–
BL-M4100	BR-MT410	–	✓	–	–	–
BL-M4100	BR-MT420	–	–	–	–	–
BL-T6000	BR-M6000	–	✓	–	–	–
BL-S7000	BR-S7000	–	✓	–	–	–
BL-MT501	BR-MT520	–	–	–	–	–
BL-MT501	BR-MT500	–	✓	–	–	–
BL-MT500	BR-MT500	–	✓	–	–	–
ST-M4050	BR-M4050	–	✓	–	–	–
ST-M3050	BR-M3050	–	✓	–	–	–
BL-T445	BR-M446	–	✓	–	–	–
BL-MT400	BR-MT400	–	✓	–	–	–
BL-MT401	BR-MT400	–	✓	–	–	–
BL-MT401	BR-MT420	–	–	–	–	–
BL-MT401-3A	BR-MT400	–	✓	–	–	–
BL-MT402-3A	BR-MT400	–	✓	–	–	–
BL-MT402-3A	BR-MT420	–	–	–	–	–
BL-M425 BL-M396	BR-M395	–	✓	–	–	–
BL-MT201	BR-MT200	–	✓	–	–	–
BL-MT200	BR-MT200	–	✓	–	–	–
BL-MT201	BR-UR300	–	✓	–	–	–
BL-MT200	BR-UR300	–	✓	–	–	–
BL-M365	BR-M365	–	✓	–	–	–
BL-M315	BR-M315	–	✓	–	–	–
ST-EF505	BR-M315	–	✓	–	–	–
ST-EF505	BR-MT200	–	✓	–	–	–
BL-S700	BR-S700	–	–	–	–	–
BL-U8000	BR-U8000	–	–	–	–	–
BL-U8000	BR-U8020	–	–	–	–	–
BL-U5000	BR-U5000	–	–	✓	–	–
BL-U5010		–	–	✓	–	–
ST-U5060		–	–	✓	–	–

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 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-R9270	BR-R9270	✓	–	–	–	–	–
ST-R9120 ST-R9170	BR-R9170	✓	–	–	–	–	–
ST-R9180	BR-R9170	✓	–	–	–	–	–
ST-R8170	BR-R8170	✓	–	–	–	–	–
ST-R8020 ST-R8070	BR-R8070	✓	–	–	–	–	–
ST-R7120	BR-R7170	✓	–	–	–	–	–
ST-R7170	BR-R7170	✓	–	–	–	–	–
ST-R7020	BR-R7070	✓	–	–	–	–	–
ST-R7025	BR-R7070	✓	–	–	–	–	–
ST-R785	BR-RS805	–	–	–	–	–	–
ST-R785	BR-RS785	–	–	–	–	–	–
ST-R785	BR-R785	–	–	–	–	–	–
ST-RS685	BR-RS805	–	–	–	–	–	–
ST-RS685	BR-RS785	–	–	–	–	–	–
ST-RS685	BR-R785	–	–	–	–	–	–
ST-RS505	BR-RS785	–	–	–	–	–	–
ST-RS505	BR-RS505	–	–	–	–	–	–
ST-RS405	BR-RS405	–	–	–	–	–	–
BL-RS600	BR-RS405	–	–	–	–	–	–
ST-RX820	BR-RX820	✓	–	–	–	–	–
ST-RX815	BR-RX810	✓	–	–	–	–	–
ST-RX810-LE	BR-RX820-LE	✓	–	–	–	–	–
BL-T8100-LE	BR-RX820-LE	–	–	–	–	–	✓
ST-RX810	BR-RX810	✓	–	–	–	–	–
BL-RX820	BR-RX820	✓	–	–	–	–	–
BL-RX810	BR-RX810	✓	–	–	–	–	–
ST-RX610	BR-RX400	✓	–	–	–	–	–
ST-RX600	BR-RX400	✓	–	–	–	–	–
BL-RX610	BR-RX400	✓	–	–	–	–	–
BL-RX600	BR-RX400	✓	–	–	–	–	–
ST-RX400	BR-RX400	✓	–	–	–	–	–

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-SB	SM-BH59-SB-J
Connection		Straight - Straight	Straight - Straight	Straight - Straight	Straight - Banjo	Straight - Banjo
Rigidity		Standard	Standard	Standard	Standard	Standard
ST-R9270	BR-R9270	–	–	–	–	–
ST-R9120 ST-R9170	BR-R9170	–	–	–	–	–
ST-R9180	BR-R9170	–	–	–	–	–
ST-R8170	BR-R8170	–	–	–	–	–
ST-R8020 ST-R8070	BR-R8070	–	–	–	–	–
ST-R7120	BR-R7170	–	–	–	–	–
ST-R7170	BR-R7170	–	–	–	–	–
ST-R7020	BR-R7070	–	–	–	–	–
ST-R7025	BR-R7070	–	–	–	–	–
ST-R785	BR-RS805	✓	–	–	–	–
ST-R785	BR-RS785	✓	–	–	–	–
ST-R785	BR-R785	–	–	–	✓	✓
ST-RS685	BR-RS805	✓	–	✓	–	–
ST-RS685	BR-RS785	✓	–	✓	–	–
ST-RS685	BR-R785	–	–	–	✓	✓
ST-RS505	BR-RS785	✓	–	✓	–	–
ST-RS505	BR-RS505	✓	–	✓	–	–
ST-RS405	BR-RS405	–	–	✓	–	–
BL-RS600	BR-RS405	–	✓	–	–	–
ST-RX820	BR-RX820	–	–	–	–	–
ST-RX815	BR-RX810	–	–	–	–	–
ST-RX810-LE	BR-RX820-LE	–	–	–	–	–
BL-T8100-LE	BR-RX820-LE	–	–	–	–	–
ST-RX810	BR-RX810	–	–	–	–	–
BL-RX820	BR-RX820	–	–	–	–	–
BL-RX810	BR-RX810	–	–	–	–	–
ST-RX610	BR-RX400	–	–	–	–	–
ST-RX600	BR-RX400	–	–	–	–	–
BL-RX610	BR-RX400	–	–	–	–	–
BL-RX600	BR-RX400	–	–	–	–	–
ST-RX400	BR-RX400	–	–	–	–	–

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-M9120	–	–	–	✓	–
BR-M9000	✓	–	–	–	–
BR-M9020	✓	✓	–	–	–
BR-M820	–	–	✓	–	✓
BR-M8100	–	–	–	–	✓
BR-M8120	–	–	–	✓	–
BR-M8000	✓	✓	–	–	–
BR-M8020	–	–	✓	–	–
BR-M7100	–	–	–	–	✓
BR-M7120	–	–	–	✓	–
BR-M7000	✓	✓	–	–	–
BR-M640	–	–	✓	–	✓
BR-S700	✓	✓	–	–	–
BR-R785	✓	✓	–	–	–
BR-U8000	–	–	–	–	✓
BR-U8020	–	–	–	✓	–

NOTE

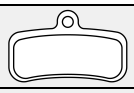
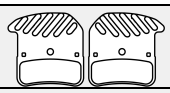
See C-188 for shape of banjo screws.

Brake pad line-up

C-192

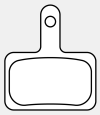
Brake pad for hydraulic disc brake (4-piston)

C-652

Pad Shape Type							
		D-type		H-type		N-type	
		Narrow type		Narrow type		Narrow type	
Type		D03S-RX	D02S-MX	H03A-RF	H03C-MF	N03A-RF	N04C-MF
		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-M9120	Hydraulic	Option	Option	–	–	Standard	Standard
BR-M8120	Hydraulic	Option	Option	–	–	Standard	Standard
BR-M7120	Hydraulic	Standard	Option	–	–	Standard	Option
BR-M6120	Hydraulic	Standard	Option	–	–	–	–
BR-MT520	Hydraulic	Standard	Standard	–	–	–	–
BR-MT420	Hydraulic	Standard	Standard	–	–	–	–
BR-M8020	Hydraulic	Option	–	Standard	Option	–	–
BR-M820	Hydraulic	–	–	Standard	Standard	–	–
BR-U8020	Hydraulic	Standard	Option	–	–	Standard	Option

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

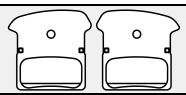
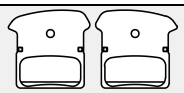
C-653

Pad Shape Type									
		B-type		G-type					
		Wide type		Narrow type					
Type		B03S-RX	B05S-RX	G03A-RX	G05A-RX	G03S-RX	G05S-RX	G04S-MX	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-M9100	Hydraulic	–	–	–	–	–	–	–	–
BR-M9110	Hydraulic	–	–	–	–	–	–	–	–
BR-M8100	Hydraulic	–	–	Standard	Standard	–	–	Standard	–
BR-M8110	Hydraulic	–	–	–	–	–	–	–	–
BR-M7100	Hydraulic	–	–	–	–	Standard	Standard	Standard	–
BR-M7110	Hydraulic	–	–	–	–	–	–	–	–
BR-M8000	Hydraulic	–	–	Standard	Standard	–	–	Option	–
BR-M6100	Hydraulic	–	–	–	–	Standard	Standard	Option	–
BR-M6000	Hydraulic	–	–	Standard	Standard	–	–	Option	–
BR-MT500	Hydraulic	Standard	Standard	–	–	–	–	–	–
BR-MT400	Hydraulic	Standard	Standard	–	–	–	–	–	–
BR-MT410	Hydraulic	Standard	Standard	–	–	–	–	–	–
BR-MT200	Hydraulic	Standard	Standard	–	–	–	–	–	–
BR-M375	Mechanical	Standard	Standard	–	–	–	–	–	–
BR-TX805	Mechanical	Standard	Standard	–	–	–	–	–	–
BR-R9270	Hydraulic	–	–	–	–	–	–	–	–
BR-R9170	Hydraulic	–	–	–	–	–	–	–	–
BR-R8170	Hydraulic	–	–	–	–	–	–	–	–
BR-R8070	Hydraulic	–	–	–	–	–	–	–	–
BR-R7170	Hydraulic	–	–	–	–	–	–	–	–
BR-R7070	Hydraulic	–	–	–	–	–	–	–	–
BR-4770	Hydraulic	–	–	–	–	–	–	–	–
BR-RS785	Hydraulic	–	–	Option	Option	–	–	–	–
BR-RS405	Hydraulic	–	–	–	–	–	–	–	–
BR-RX820	Hydraulic	–	–	–	–	–	–	–	–
BR-RX820-LE	Hydraulic	–	–	–	–	–	–	–	–
BR-RX810	Hydraulic	–	–	–	–	–	–	–	–
BR-RX400	Hydraulic	–	–	–	–	–	–	–	–
BR-UR300	Hydraulic	Standard	Standard	–	–	–	–	–	–
BR-S7000	Hydraulic	–	–	–	–	Standard	–	–	–
BR-RS305	Mechanical	–	–	–	–	–	–	–	–
BR-R317	Mechanical	–	–	Standard	Standard	–	–	–	–
BR-U8000	Hydraulic	–	–	Standard	Standard	–	–	Option	–

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

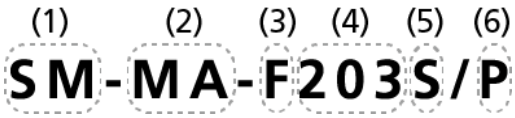
Pad Shape Type							
		K-type					
		Narrow type					
Type		K03S-RX	K05S-RX	K03Ti-RX	K05Ti-RX	K04S-MX	K04Ti-MX
		Resin	Resin	Resin	Resin	Metal	Metal
Characteristics	Modulation	★★★★★	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★☆
	Power	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★★
	Durability	★★★★★	★★★★★*1	★★★★★	★★★★★*1	★★★★★	★★★★★
	Anti-fading	★★★☆☆	★★★☆☆	★★★☆☆	★★★☆☆	★★★★★	★★★★★
	Silence	★★★★★	★★★★★	★★★★★	★★★★★	★★★☆☆	★★★☆☆
Pad Radiator fin		–	–	–	–	–	–
High heat insulation		✓	✓	✓	✓	–	–
Pad Back plate	Titanium	–	–	✓	✓	–	✓
	Aluminum	–	–	–	–	–	–
	Stainless steel/ Aluminum	–	–	–	–	–	–
	Stainless steel	✓	✓	–	–	✓	–
BR-M9100	Hydraulic	–	–	Standard	Standard	–	Standard
BR-M9110	Hydraulic	–	–	Standard	Standard	–	Standard
BR-M8100	Hydraulic	–	–	–	–	–	–
BR-M8110	Hydraulic	Standard	Standard	–	–	Standard	–
BR-M7100	Hydraulic	–	–	–	–	–	–
BR-M7110	Hydraulic	Standard	Standard	–	–	Standard	–
BR-M8000	Hydraulic	–	–	–	–	–	–
BR-M6100	Hydraulic	–	–	–	–	–	–
BR-M6000	Hydraulic	–	–	–	–	–	–
BR-MT500	Hydraulic	–	–	–	–	–	–
BR-MT400	Hydraulic	–	–	–	–	–	–
BR-MT410	Hydraulic	–	–	–	–	–	–
BR-MT200	Hydraulic	–	–	–	–	–	–
BR-M375	Mechanical	–	–	–	–	–	–
BR-TX805	Mechanical	–	–	–	–	–	–
BR-R9270	Hydraulic	–	–	Standard	Standard	–	Option
BR-R9170	Hydraulic	–	–	Standard	Standard	–	Option
BR-R8170	Hydraulic	Standard	Standard	–	–	–	–
BR-R8070	Hydraulic	Standard	Standard	–	–	Option	–
BR-R7170	Hydraulic	Standard	Standard	–	–	–	–
BR-R7070	Hydraulic	Standard	Standard	–	–	Option	–
BR-4770	Hydraulic	Standard	Standard	–	–	Standard	–
BR-RS785	Hydraulic	–	–	–	–	–	–
BR-RS405	Hydraulic	Standard	Standard	–	–	–	–
BR-RX820	Hydraulic	Standard	Standard	–	–	–	–
BR-RX820-LE	Hydraulic	Standard	Standard	–	–	–	–
BR-RX810	Hydraulic	Standard	Standard	–	–	Option	–
BR-RX400	Hydraulic	Standard	Standard	–	–	Option	–
BR-UR300	Hydraulic	–	–	–	–	–	–
BR-S7000	Hydraulic	–	–	–	–	–	–
BR-RS305	Mechanical	Standard	Standard	–	–	–	–
BR-R317	Mechanical	–	–	–	–	–	–
BR-U8000	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		
Type		J03A-RF	J05A-RF	J04C-MF	L03A-RF	L05A-RF	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-M9100	Hydraulic	–	–	–	–	–	–
BR-M9110	Hydraulic	–	–	–	–	–	–
BR-M8100	Hydraulic	Option	Option	Option	–	–	–
BR-M8110	Hydraulic	–	–	–	Option	Option	Option
BR-M7100	Hydraulic	Option	Option	Option	–	–	–
BR-M7110	Hydraulic	–	–	–	Option	Option	Option
BR-M8000	Hydraulic	Standard	Standard	Option	–	–	–
BR-M6100	Hydraulic	Standard	Standard	–	–	–	–
BR-M6000	Hydraulic	Standard	Standard	–	–	–	–
BR-MT500	Hydraulic	–	–	–	–	–	–
BR-MT400	Hydraulic	–	–	–	–	–	–
BR-MT410	Hydraulic	–	–	–	–	–	–
BR-MT200	Hydraulic	–	–	–	–	–	–
BR-M375	Mechanical	–	–	–	–	–	–
BR-TX805	Mechanical	–	–	–	–	–	–
BR-R9270	Hydraulic	–	–	–	Standard	Standard	Option
BR-R9170	Hydraulic	–	–	–	Standard	Standard	Option
BR-R8170	Hydraulic	–	–	–	Standard	Standard	Option
BR-R8070	Hydraulic	–	–	–	Standard	Standard	Option
BR-R7170	Hydraulic	–	–	–	Standard	Standard	Option
BR-R7070	Hydraulic	–	–	–	Standard	Standard	Option
BR-4770	Hydraulic	–	–	–	Option	Option	–
BR-RS785	Hydraulic	Standard	Standard	Standard	–	–	–
BR-RS405	Hydraulic	–	–	–	Option	Option	–
BR-RX820	Hydraulic	–	–	–	Standard	Standard	Option
BR-RX820-LE	Hydraulic	–	–	–	Standard	Standard	Option
BR-RX810	Hydraulic	–	–	–	Standard	Standard	Option
BR-RX400	Hydraulic	–	–	–	Standard	Standard	Option
BR-UR300	Hydraulic	–	–	–	–	–	–
BR-S7000	Hydraulic	–	–	–	–	–	–
BR-RS305	Mechanical	–	–	–	Option	Option	–
BR-R317	Mechanical	–	–	–	–	–	–
BR-U8000	Hydraulic	Option	Option	–	–	–	–

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

How to read Model No. C-194



(1)	Small parts
(2)	Mount adapter
(3)	F = Front and Rear * R = Rear
(4)	Disc brake rotor size **
(5)	Caliper mount type S = International A-standard P = Post D = Flat mount
(6)	Suspension / Frame type S = International A-standard P = Post D = Flat mount

NOTE

* This part may be used in the rear.
In this case, the disc brake rotor size description is also different. Refer to the table below.
** The disc brake rotor size description is 160 mm. Direct post mount/International A-standard forks and frames are supported. Refer to the table below for other mount types.

Application table for adapter C-195

For post mount brake caliper

Fork and frame mount type			Disc brake rotor size				
			140 mm (SS)	160 mm (S)	180 mm (M)	203 mm (L)	220 mm (LL)
Post mount	Front	140 mm direct	Direct mount	SM-MA90-F180P/P SM-MA-F180P/P2 (for R785)	-	-	-
		160 mm direct	-	Direct mount	SM-MA90-F180P/P SM-MA-F180P/P2	SM-MA-F203P/P	-
		180 mm direct	-	-	Direct mount	SM-MA90-F203P/PM SM-MA-F203P/PM	SM-MA-F220P/PM
		200 mm direct	-	-	-	SM-MA-F203P/PL2	SM-MA-F220P/PL2
		203 mm direct	-	-	-	Direct mount	SM-MA-F220P/PL
	Rear	140 mm direct	Direct mount	SM-MA90-F180P/P SM-MA-F180P/P2	-	-	-
		160 mm direct	-	Direct mount	SM-MA90-F180P/P SM-MA-F180P/P2	SM-MA-F203P/P	-
		180 mm direct	-	-	Direct mount	SM-MA90-F203P/PM SM-MA-F203P/PM	SM-MA-F220P/PM
		200 mm direct	-	-	-	SM-MA-F203P/PL2	SM-MA-F220P/PL2
		203 mm direct	-	-	-	Direct mount	SM-MA-F220P/PL
International A-standard	Front		-	SM-MA90-F160P/S SM-MA-F160P/S	SM-MA-F180P/S	SM-MA-F203P/S	-
	Rear		SM-MA90-R140P/S	SM-MA90-R160P/S SM-MA-R160P/S	SM-MA90-R180P/S SM-MA-R180P/S	SM-MA-R203P/S	-
Flat mount ø140/160	Front		SM-MA-F140P/D	SM-MA-F160P/D	-	-	-
	Rear		SM-MA-R140P/D	SM-MA-R160P/D	-	-	-
Flat mount ø160/180	Front		-	-	-	-	-
	Rear		-	-	-	-	-

For flat mount brake caliper

Fork and frame mount type			Disc brake rotor size		
			140 mm (SS)	160 mm (S)	180 mm (M)
Flat mount	ø140/160	Front	With Y8N230000* on product	With Y8N230000* on product	-
		Rear	Direct mount	SM-MA-R160D/D	-
	ø160/180	Front	-	With Y8N230000* on product	With Y8N230000* on product
		Rear	-	Direct mount	SM-MA-R160D/D
Flat mount BR-UR300	ø140/160	Front	-	Direct mount	-
		Rear	-	Direct mount	-
	ø160/180	Front	-	-	Direct mount
		Rear	-	-	Direct mount

* SHIMANO easy flip-flop bracket system which allow 1 bracket to be compatible with 2 rotor size.

Polymer-coated brake cable (BC-9000 / BC-R680) compatible chart

C-306

Series	Brake with polymer-coated brake cable	
DURA-ACE	BR-R9200	✓
	BR-R9210	
	BR-R9100	
	BR-R9110	
ULTEGRA	BR-R8100	✓
	BR-R8110	
	BR-RS811-R	
	BR-R8000	
	BR-R8010	
SHIMANO 105	BR-R7000 BR-R7010 BR-5810	✓
	BR-5700	-
TIAGRA	BR-4700	✓
SORA	BR-R3000	✓
CLARIS	BR-R2000	✓
Others		-

Compatibility between brake systems C-466

Depending on the brake and brake lever combination to be used, the relationship between the input at the brake lever and the actual braking force output at the wheels is very easily affected.

Be very careful when combining a brake and brake lever. Incorrect combinations can cause accidents or insufficient braking forces due to improper cable strokes. Be sure to carefully consult the chart below and select the brake and the matching brake lever.

<table>
<tr><td colspan="2" rowspan="2"></td><td colspan="2">V-BRAKE</td><td>Roller Brake</td></tr>
<tr><td>BR-T780
BR-MX70
BR-R573
BR-R463
BR-R353
BR-T670
BR-T610
BR-T4010
BR-T4000</td><td>With POWER MODULATOR* model
BR-T780 with SM-PM70
BR-T670 with SM-PM70
BR-T610 with SM-PM70
BR-T4010 with SM-PM40
BR-T4000 with SM-PM40
BR-R573 with SM-PM70
BR-R463 with SM-PM40
BR-R353 with SM-PM70</td><td>BR-C6060-F
BR-C6050-F
BR-C6000
BR-C3010
BR-C3000</td></tr>
<tr><td colspan="2">V-BRAKE Levers (2-finger)</td><td rowspan="2">✓</td><td rowspan="2">✓</td><td rowspan="2"></td></tr>
<tr><td>ST-M4000
ST-EF41
ST-TX800
ST-M370
ST-M310
ST-EF510
ST-EF500
ST-EF65
ST-EF51</td><td>BL-T610
BL-M571
BL-T4000
BL-MX70</td></tr>
<tr><td colspan="2">V-BRAKE Levers (3-finger)</td><td rowspan="2"></td><td rowspan="2">✓</td><td rowspan="2"></td></tr>
<tr><td>ST-T4000
ST-T3000</td><td>BL-T780
BL-T611
BL-T670
BL-T780-B
BL-T4010
BL-T670-B</td></tr>
<tr><td colspan="2">Brake Levers with switch</td><td rowspan="2">✓</td><td rowspan="2">✓</td><td rowspan="2">NOTE</td></tr>
<tr><td>ST-R240</td><td>BL-4600
BL-R780
BL-4700
BL-R3000
BL-R2000
BL-2400</td></tr>
<tr><td colspan="2">V-BRAKE lever with switch</td><td rowspan="3"></td><td rowspan="3">✓</td><td>NOTE</td></tr>
<tr><td colspan="2">ST-M310 (4-finger)
ST-EF65 (4-finger)
ST-EF510 (4-finger)
ST-EF500 (4-finger)
BL-C6000</td><td></td></tr>
<tr><td colspan="2">BL-C6010
SB-C6000-8
SB-C3000-7</td><td>✓</td></tr>
</table>

* POWER MODULATOR must be used for front brake



The "NO!" symbols indicate combinations that should not be used under any circumstances.

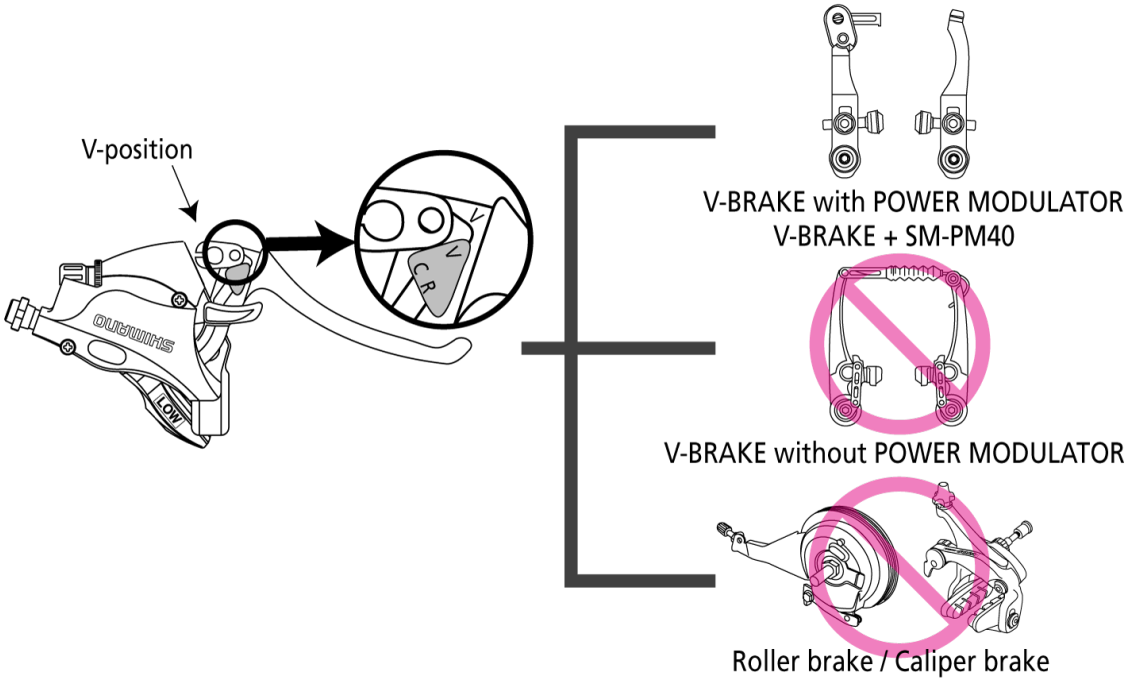
NOTE

This combination will not provide the sufficient amount of braking force.

Brake lever with switch compatibility C-467

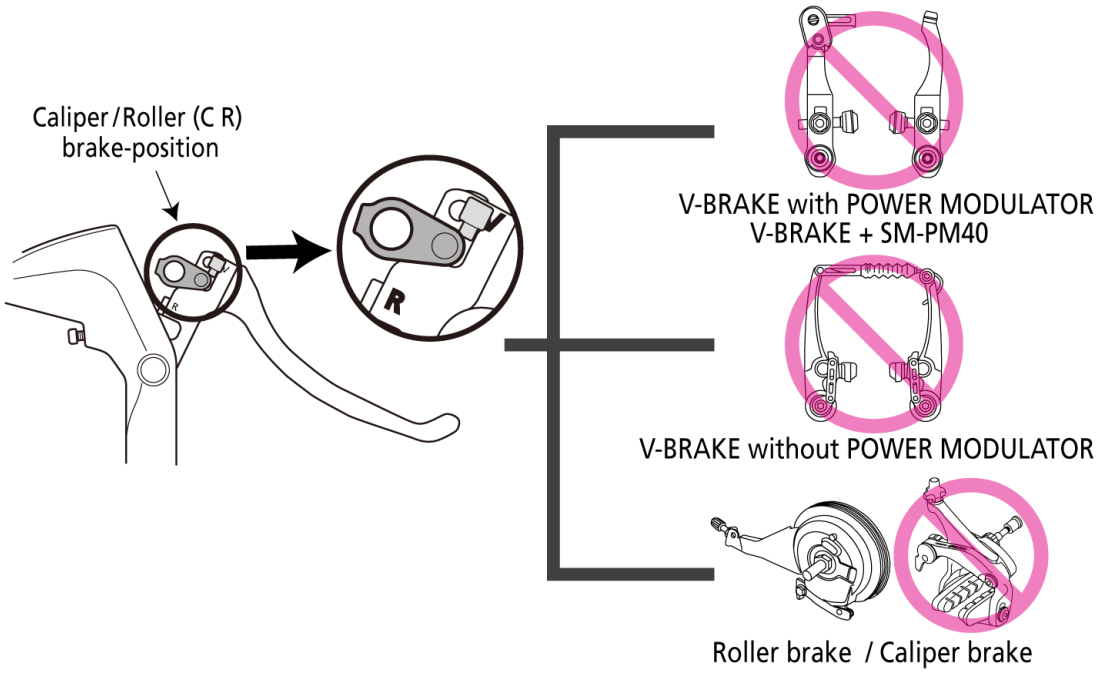
Four finger brake levers such as brake levers are equipped with a switch to change between the V-BRAKE with modulator mode (for example with SM-PM40) and the caliper brake or roller brake mode.

For V-BRAKE (with POWER MODULATOR) mode C-468

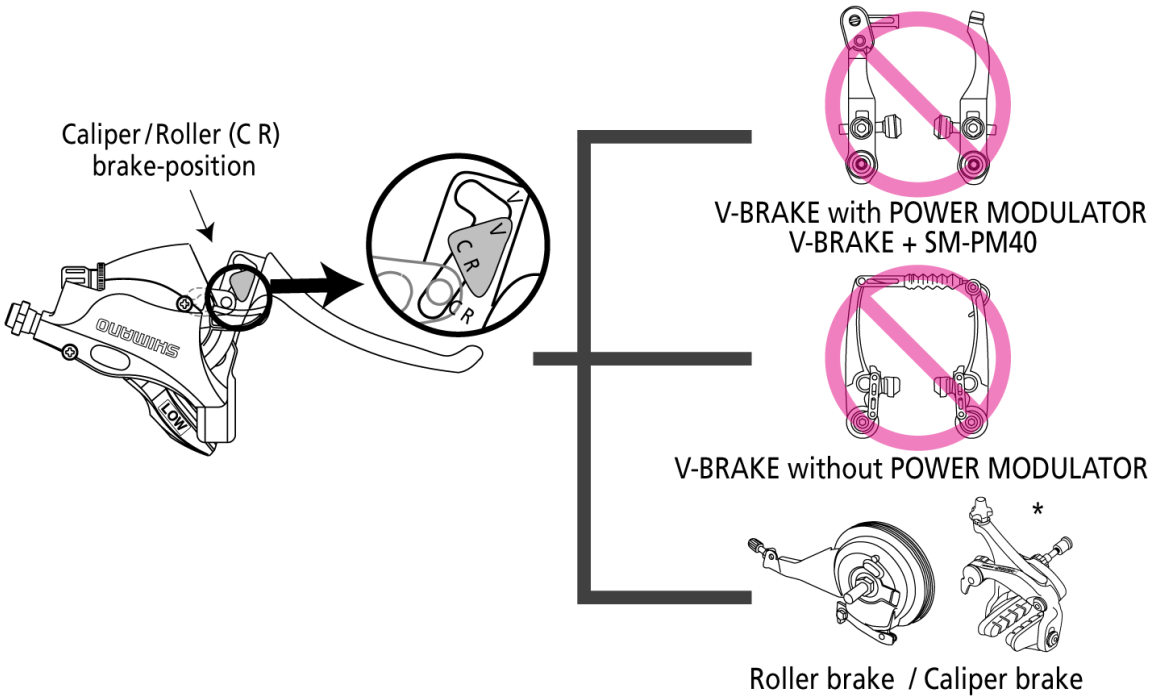


For Caliper brake / Roller brake C-469

BL-C6010



Other models



* 3 types of caliper brake is available (SLR-EV / NEW SUPER SLR / SUPER SLR)
Please refer Spec Hand Book for caliper brake compatibility.
Some models can't be used with roller brake, please refer to C-466 for more information.

WARNING

If the mode is not matched to the type of brake being used, this could result in inadequate or excessive braking power. Please proceed with caution when selecting the correct mode for the corresponding brake.

FREEHUB and cassette sprocket spline compatibility C-731

The table below does not include LINKGLIDE cassette sprockets. See C-649 for LINKGLIDE cassette sprockets.

FREEHUB			Compatible cassette sprocket type					
Free unit type	Number of effective spline teeth	Outer body length (mm)	MTB		ROAD		All	
			12-speed	11-speed	12-speed	11-speed	10/9/8-speed	7-speed
MICRO SPLINE	23	26	✓	-	-	-	-	-
HG spline L2 (ROAD 12-speed dedicated)	18	37.65	-	-	✓	-	-	-
HG spline L (ROAD 12/11-speed)	9	36.75	-	✓ *1	✓	✓ *3	✓ *2	-
HG spline M (10/9/8-speed, MTB 11-speed)	9	34.9	-	✓	-	- *4	✓ *5	-
HG spline S (7-speed)	9	31	-	-	-	-	-	✓

*1 Need 1.85 mm low spacer.

*2 Need 1.85 mm low spacer and 1.0 mm spacer for the cassette sprockets below.
CS-7900 / CS-7800 / CS-6700 / CS-6600 / CS-5700 / CS-5600 (1.0 ㎜ spacer is included)

*3 CS-HG800 / CS-HG700 of ROAD 11-speed are compatible with HG spline L by installing 1.85 mm spacer.

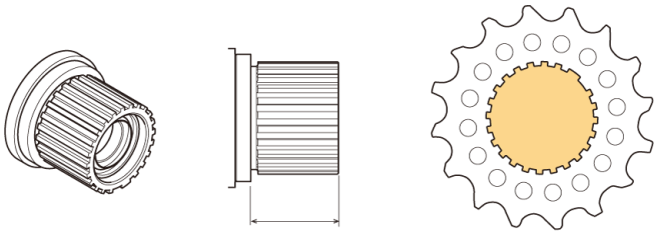
*4 CS-HG800 / CS-HG700 of ROAD 11-speed are compatible with HG spline M.

*5 Need 1.0 mm spacer for the 10-speed road cassette sprockets below.
CS-7900 / CS-7800 / CS-6700 / CS-6600 / CS-5700 / CS-5600

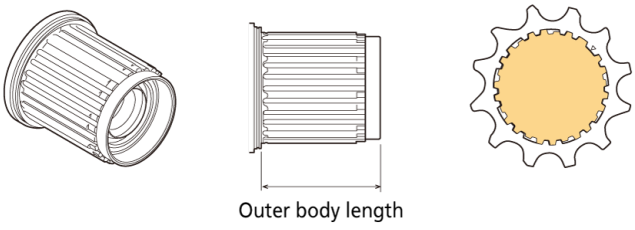
Outer body length

Outer body length is length from the contact surface of the cassette sprocket of the free unit to the tip of the free unit.

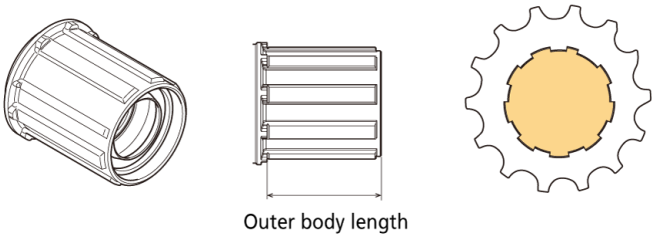
MICRO SPLINE



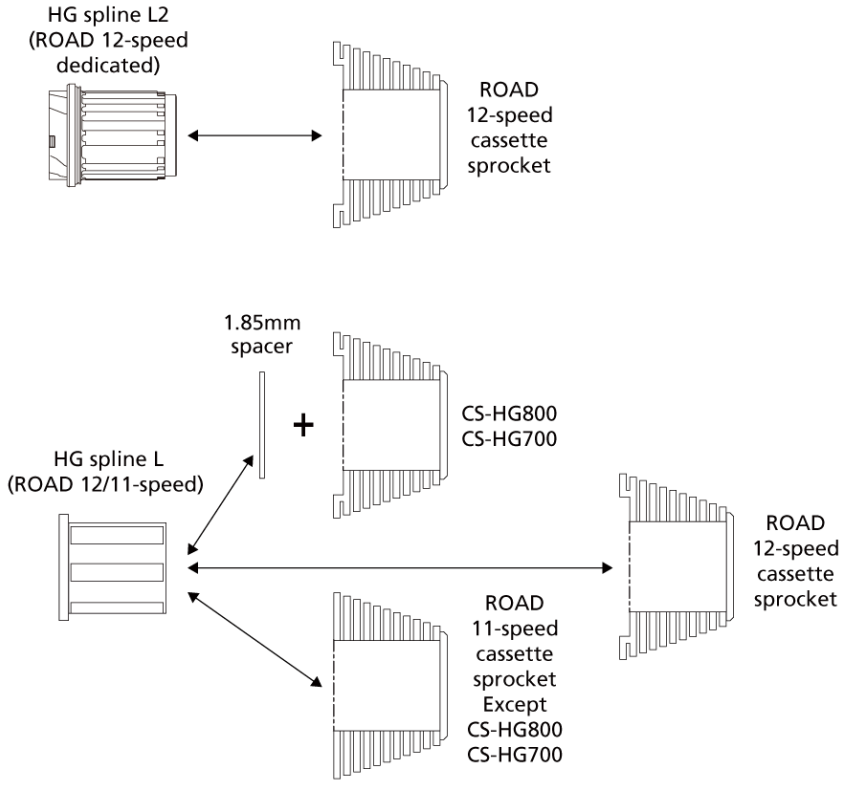
HG spline L2



HG spline L/M/S

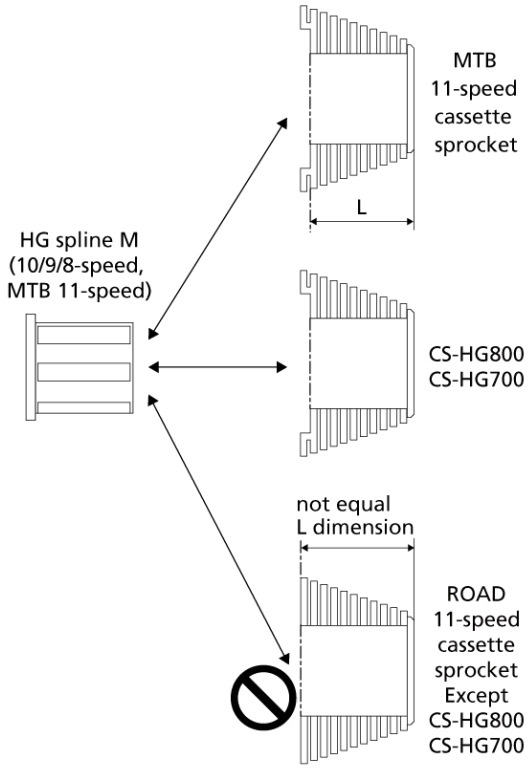


ROAD 12/11-speed FREEHUB compatibility



MTB 11-speed FREEHUB compatibility

MTB 11-speed wheel and FREEHUB have same spline shape with 10, 9, 8-speed FREEHUB.



Compatibility between rear derailleur and cassette sprocket gear teeth [ROAD, Gravel, URBAN (METREA)]

C-254

12-speed C-648

Gear	RD-R9250	RD-R8150	RD-R7100	RD-R7150
11-30T	✓	✓	-	-
11-34T	✓	✓	✓	✓
11-36T	-	-	✓	✓

Gear	RD-RX820	RD-RX822	RD-RX822
		GS	SGS
	Front double	Front single	Front single
11-34T	✓	-	-
11-36T	✓	-	-
10-45T	-	✓	-
10-51T	-	-	✓

11-speed C-255

Gear	RD-R9100 RD-R9150	RD-R8000 RD-R8050		RD-R7000		RD-9000	RD-6800 RD-6870 RD-5800	
	-	SS	GS Front double	SS	GS Front double	SS	SS	GS Front double
11-23T	-	-	-	-	-	✓	✓	-
11-25T	✓	✓	-	-	-	✓	✓	-
11-28T	✓	✓	✓	✓	✓	✓	✓	✓
11-30T	✓	✓	✓	✓	✓	-	-	✓
11-32T	-	-	✓	-	✓	-	-	✓
11-34T	-	-	✓	-	✓	-	-	-
11-40T	-	-	-	-	-	-	-	-
11-42T	-	-	-	-	-	-	-	-
12-25T	✓	✓	-	✓	-	✓	✓	-
12-28T	✓	✓	✓	-	✓	✓	✓	✓
14-28T	✓	✓	-	✓	-	✓	✓	-

Gear	RD-RX800 RD-RX805	RD-RX810 RD-RX815	RD-RX812 RD-RX817	RD-U5000-SS
	GS Front double	Closer Front double	Wider Front single	SS
11-23T	-	-	-	-
11-25T	-	-	-	-
11-28T	✓	-	-	✓
11-30T	✓	✓	-	✓
11-32T	✓	✓	-	✓
11-34T	✓	✓	-	-
11-40T	-	-	✓	-
11-42T	-	-	✓	-
12-25T	-	-	-	-
12-28T	-	-	-	-
14-28T	-	-	-	-

10-speed C-256

Gear	RD-4700			RD-4601			RD-RX400
	SS	GS Front double	GS Front triple	SS	GS Front double	GS Front triple	Closer Front double
11-25T	✓	-	✓	✓	-	✓	-
11-27T	✓	-	✓	✓	✓	✓	-
11-28T	-	✓	✓	✓	✓	✓	-
11-32T	-	✓	✓	-	✓	-	✓
11-34T	-	✓	-	-	-	-	✓
11-36T	-	-	-	-	-	-	✓
12-25T	✓	-	✓	✓	-	✓	-
12-27T	✓	-	✓	✓	✓	✓	-
12-28T	✓	✓	✓	✓	✓	✓	-
12-30T	-	✓	✓	✓	✓	✓	-
13-25T	✓	-	-	✓	-	✓	-
14-25T	✓	-	-	✓	-	✓	-

9-speed C-257

Gear	RD-R3000		
	SS	GS Front double	GS Front triple
11-25T	✓	-	-
11-28T	✓	✓	✓
11-30T	✓	✓	✓
11-32T	✓	✓	✓
11-34T	-	✓	-
12-25T	✓	-	-
12-27T	✓	-	-
13-25T	✓	-	-
14-25T	✓	-	-

8-speed C-258

Gear	RD-R2000		
	SS	GS Front double	GS Front triple
11-28T	✓	✓	✓
11-30T	✓	✓	✓
11-32T	✓	✓	✓
11-34T	-	✓	-
12-25T	✓	-	✓
13-26T	✓	-	-

7-speed C-259

Gear	RD-A070
	SMART CAGE
11-28T	✓
12-28T	✓
13-28T	✓
14-28T	✓

LINKGLIDE cassette sprocket and FREEHUB compatibility

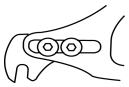
LINKGLIDE cassette sprockets are not compatible with MICRO SPLINE FREEHUB.

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)	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			
	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			
	O.L.D. 130 mm, Quick release type	FH-RS300	- *2	✓	✓
HG spline L (ROAD 12/11-speed)	O.L.D. 142 mm, E-THRU type	FH-R7070	✓ *1	✓ *1	✓ *1
		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.

Available combinations of the dropout, cassette sprocket/single gear and crankset for designing the frame C-471

Dropout design	A	Reversed (BMX) type, without derailleur hanger	
	B	Standard type, without derailleur hanger	
	C	Adjustable disc brake mount / Eccentric bottom bracket	
	D	Vertical type, with derailleur hanger	
Compatibility		NR: Not recommend	-
Crankset	E	FC-C6000	-
	F	FC-S501: Double guard spec	-
	G	FC-S501: Single guard spec	-
	K	SM-CRE61 / SM-CRE50	-
CN	H	CN-NX10 (1/2 x 1/8 inch) or HG 8S (1/2 x 3/32 inch)	-
	I	Super Narrow HG 9S	-
	J	HG 8S (1/2 x 3/32 inch)	-

Series	Speed	Brake type	Dropout design	Compatibility	CT use *5	CS / SM-GEAR	FC	CN	additional condition
ALFINE	11S / 8S	Disc brake	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			C	OK	-	SM-GEAR	G	J	-
			D	OK	CT-S500	CS-S500	F	I	-
				OK	CT-S510	SM-GEAR	G	J	-
		V-BRAKE	A	OK	-	SM-GEAR	G	J	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	G	J	-
			D	OK	CT-S500	CS-S500	F	I	-
				OK	CT-S510	SM-GEAR	G	J	-
NEXUS	8S / 7S	Disc brake	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			C	OK	-	SM-GEAR	G	J	-
			D	OK	CT-S500	CS-S500	F	I	-
				OK	CT-S510	SM-GEAR	G	J	-
	8S / 7S / 3S (except 3D)	Hub roller brake V-BRAKE	A	OK	-	SM-GEAR	E	H	-
							G	J	-
			B	OK	-	SM-GEAR	E	H	-
							G	J	-
			C	OK	-	SM-GEAR	E	H	-
							G	J	-
			D	NR	CT-S500 (except 3s)	CS-S500	F	I	*2
				OK	CT-S510 (except 3s)	SM-GEAR	G	J	-
		Coaster brake	A	OK	-	SM-GEAR	E	H	-
							G	J	-
			B	OK	-	SM-GEAR	E	H	-
							G	J	-
			C	OK	-	SM-GEAR	E	H	-
							G	J	-
			D	NR	-	-	-	-	*3
				NR	-	-	-	-	*4
	3D	Disc brake	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			C	OK	-	SM-GEAR	G	J	-
			D	OK	-	CS-S500	F	I	-
				OK	-	SM-GEAR	G	J	-
		V-BRAKE	A	OK	-	SM-GEAR	G	J	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	G	J	-
			D	OK	-	CS-S500	F	I	-
				OK	-	SM-GEAR	G	J	-
	5S for E-BIKE	Disc brake	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			C	OK	-	CS-C7000	K	J	-
			D	NR	-	-	-	-	-
		Hub roller brake V-BRAKE	A	OK	-	CS-C7000	K	J	-
			B	OK	-	CS-C7000	K	J	-
			C	OK	-	CS-C7000	K	J	-
			D	NR	-	-	-	-	-
		Coaster brake	A	OK	-	CS-C7000	K	J	-
			B	OK	-	CS-C7000	K	J	-
			C	OK	-	CS-C7000	K	J	-
			D	NR	-	-	-	-	-

*1 Special disc brake mount design is needed.

*2 without chain guard for hub gear side.

*3 Structure of CT-S500 can't transfer chain tension by back pedaling.

*4 Not enough force of fixation against back pedaling power.

*5 Chain tensioners are not compatible with MU-UR510.

Mechanical internal geared hub / SM (CJ) COMPATIBILITY CHART

C-647

Internal Geared Hub (SG)		Spec.	Small Parts Set (SM)	Cassette Joint (CJ) * CJ is included in SM parts set
ALFINE-11	SG-S7001-11	11s, Disc brake, Premium	SM-S700 SM-S700-BD *1	CJ-S700 CJ-S700-BD *1
ALFINE-8	SG-S7001-8	8s, Disc brake, Premium	SM-S7000-8 SM-S7000-8BD *1	CJ-S7000-8 CJ-S7000-8BD *1
INTER-8	SG-C6011-8R	8s, Roller brake, Premium	SM-8S31 SM-8S31BD *1	CJ-8S20 / CJ-8S40 CJ-8S20BD *1
	SG-C6011-8V	8s, V-BRAKE, Premium		
	SG-C6001-8R	8s, Roller brake		
	SG-C6001-8V	8s, V-BRAKE		
	SG-C6001-8C	8s, Coaster brake		
	SG-C6001-8D	8s, Disc brake		
	SG-C6001-8CD	8s, Coaster brake & Disc brake		
INTER-7	SG-C3001-7R	7s ,Roller brake	SM-7R45 SM-7C25 *1	CJ-NX10 / CJ-NX40
	SG-C3001-7V	7s, V-BRAKE		
	SG-C3001-7C	7s, Coaster brake	SM-7C25	CJ-NX10 / CJ-NX40
	SG-C3001-7D	7s, Disc brake	SM-7R45 SM-7C25 *1	CJ-NX10 / CJ-NX40
INTER-5E	SG-C7000-5R	5s, Roller brake, Premium	SM-C7000-5 SM-C7000-5BD *1	CJ-C7000-5 CJ-C7000-5BD *1
	SG-C7000-5V	5s, V-BRAKE, Premium		
	SG-C7000-5C	5s, Coaster brake, Premium		
	SG-C7000-5D	5s, Disc brake, Premium		
	SG-C7002-5CD	5s, Coaster brake & Disc brake		
INTER-5	SG-5R30 (Japan Only)	5s, Roller brake, Japan only	SM-5S30	CJ-8S20 / CJ-8S40
	SG-5R30-VS (Japan Only)	5s, V-BRAKE, Japan only		
	SG-5R35 (Japan Only)	5s, Roller brake, Alloy body, Japan only		
	SG-5R35-VS (Japan Only)	5s, V-BRAKE, Alloy body, Japan only		
INTER-3	SG-3R42 (Japan Only)	3s, Roller brake, Japan only	SM-3R40	-
	SG-3R40 (Japan Only)	-		
	SG-3R40	3s, Roller brake	SM-3R40	SM-BC03 SM-BC06
	SG-3C41	3s, Coaster brake	SM-3R41	-
	SG-3D55	3s, Disc brake	SM-3D55	SM-BC03 SM-BC06
	SG-3R75	3s, Roller brake, Premium	SM-3S70	CJ-NX10 / CJ-NX40

*1 : Dedicated specs for belt drive system

Single gear and chain combination

C-608

Series	Single gear		Chain
	Model No.	Gear thickness (mm)	Model No.
ALFINE	CS-S500	2.0	CN-E6070 CN-HG93 CN-HG53
NEXUS	SM-GEAR (2.3 mm) CS-C7000	2.3	CN-HG71 CN-HG40
	SM-GEAR (3.0 mm)	3.0	CN-NX10

Compatibility for DIN 79010:2020-02 C-672

DIN 79010:2020-02

Fahrräder - Transport- und Lastenfahrrad - Anforderungen und Prüfverfahren für ein- und mehrspurige Fahrräder

(Cycles - Transportation bikes and cargo bikes - Requirements and test methods for single- and multi-track cycles)

Products		Model No.	DIN 79010:2020-02 (Type 1: Single Track) conformance
BRAKE (BR, RT)	Group #1	BR-M9120 / BR-M8120 / BR-M7120 + RT-MT900 / RT-EM910	YES with conditions (*1)
	Group #2	BR-M9120 / BR-M8120 / BR-M7120 + RT-MT800 / RT-EM810	
	Group #3	BR-M9120 / BR-M8120 / BR-M7120 + SM-RT86	
	Group #4	BR-M6120 + SM-RT30 / RT-EM300 / SM-RT66	
	Group #5	BR-MT520 / BR-MT420 + SM-RT30 / RT-EM300 / SM-RT66	
HUB (HB, FH, SG)	FH	FH-M**** / MT*** / TX*** / RS*** / UR*** series	YES (*SHIMANO can't guarantee assembled wheel performance. Please confirm wheel performance by bike manufacturer.)
	SG	SG-C7000-5D / SG-C7050-5D / SG-C6001-8D/ SG-C6061-8D SG-C3001-7D	
	HB	HB-M**** / MT*** / TX*** / RS*** series	
	DH	All	NO
OTHERS	All not mentioned above (DU, CS, CN, RD, FC, etc.)	All	YES No special requirement if compare with ISO/EN4210-2 2015

(*1) conditions

Product Spec requirements

	Brake pad	RT size	Hose length (*Please consider Brake Lever reach adjustment)
Group #1,2,3	Resin pad w/ radiator fin	203 mm (L size)	2200 mm or less (Tire outer diameter = 660 mm or less) 2400 mm or less (Tire outer diameter = 559 mm or less) 2700 mm or less (Tire outer diameter = 406 mm or less)
		180 mm (M size)	1300 mm or less (Tire outer diameter = 660 mm or less) 2000 mm or less (Tire outer diameter = 559 mm or less) 2400 mm or less (Tire outer diameter = 406 mm or less)
Group #4	Resin pad w/o radiator fin	203 mm (L size)	2200 mm or less (Tire outer diameter = 660 mm or less) 2400 mm or less (Tire outer diameter = 559 mm or less) 2700 mm or less (Tire outer diameter = 406 mm or less)
		180 mm (M size)	1300 mm or less (Tire outer diameter = 660 mm or less) 2000 mm or less (Tire outer diameter = 559 mm or less) 2400 mm or less (Tire outer diameter = 406 mm or less)
Group #5	Resin pad w/o radiator fin	203 mm (L size)	3000 mm or less (Tire outer diameter = 660 mm or less)
		180 mm (M size)	

Limitation & adjustment

	RT size	DIN 79010:2020-02 5.5.2.2.2 Weight factor "c" (*2)	Brake lever adjustment
Group #1	203 mm (L size)	c = 1.5	Brake lever reach adjustment might be required to follow minimum braking force value of 5.5.1.3
	180 mm (M size)	c = 1.4	
Group #2	203 mm (L size)	c = 1.4	
	180 mm (M size)	c = 1.3	
Group #3	203 mm (L size)	c = 1.3	
	180 mm (M size)	c = 1.1	
Group #4,5	203 mm (L size)	c = 1.1	
	180 mm (M size)	c = 0.9	

(*2) Refer to DIN 79010:2020-02 5.5.2.2.2 about "c" value.

c: weight factor which is defined by bike design. c = (AL: axle load) / (M: 100 kgf as basic value).
For example, axle load is allowed till 150 kgf if c = 1.5.

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.

Cassette sprocket													Spoke protector model					
													Flange diameter of rear hub (FH side)					
													53.8 mm			70.6 mm		
Speed	Model No.	Number of largest sprocket teeth											Spoke hole number			Spoke hole number		
		25T	28T	30T	32T	34T	36T	40T	42T	45T	46T	51T	28H	32H	36H	28H	32H	36H
12-speed	CS-M9101	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-
	CS-M9100	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-
	CS-M8100	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-
	CS-M7100	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-
	CS-M6100	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-
11-speed	CS-M9001	-	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-
	CS-M8000	-	-	-	-	-	-	✓	✓	-	✓	-	-	-	-	-	-	-
	CS-M7000	-	-	-	-	-	-	✓	✓	-	✓	-	-	-	-	-	-	-
	CS-M5100	-	-	-	-	-	-	-	✓	-	-	✓	-	-	-	-	-	-
10-speed	CS-M4100	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-
	CS-M771-10	-	-	-	✓	✓	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG81-10	-	-	-	-	✓	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG500-10	✓	✓	-	✓	✓	-	-	✓	-	-	-	-	-	-	-	-	-
	CS-HG50-10	-	-	-	-	-	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	-	-
9-speed	CS-HG400-9 CS-HG300-9 CS-HG201-9 CS-HG200-9	-	-	-	-	-	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG400-9 CS-HG300-9 CS-HG201-9 CS-HG200-9	-	-	-	✓	✓	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG400-9 CS-HG300-9	-	✓	-	-	-	-	-	-	-	-	-	-	CP-FH35	CP-FH50	-	CP-FH76	CP-FH76
	CS-ROAD	-	✓	-	-	-	-	-	-	-	-	-	CP-FH08	CP-FH35	CP-FH31	-	-	-
8-speed	CS-HG60-81	-	-	-	-	✓	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG51-8	-	✓	✓	-	-	-	-	-	-	-	-	CP-FH40	CP-FH35	CP-FH50	-	-	-
	CS-HG51-8	-	-	-	-	✓	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG41-8 CS-HG31-8	-	-	✓	-	-	-	-	-	-	-	-	CP-FH40	CP-FH35	CP-FH50	-	-	-
	CS-HG41-8 CS-HG31-8	-	-	-	✓	✓	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG200-8	-	-	-	✓	-	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
7-speed	CS-HG41-7	-	✓	-	-	-	-	-	-	-	-	-	CP-FH40	CP-FH35	CP-FH50	-	-	-
	CS-HG200-7	-	-	-	✓	-	-	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG200-7	-	✓	-	-	-	-	-	-	-	-	-	-	CP-FH35	CP-FH50	-	-	-

12-speed

Cassette sprocket			Spoke protector model					
Model No.	Number of largest sprocket teeth							
	45T	51T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B
CS-M9101	✓	✓	CP-WH28	CP-WH32 (for 10-45T) CP-WH29 (for 10-51T)	CP-WH31 (for 10-45T) CP-WRX8B CP-WH27 (for 10-51T)	CP-WH31 (for 10-45T) CP-WRX8B CP-WH27 (for 10-51T)	CP-WH31 (for 10-45T) CP-WRX8B CP-WH27 (for 10-51T)	-
CS-M9100	✓	✓						-
CS-M8100	✓	✓						-
CS-M7100	✓	✓						-
CS-M6100	-	✓	-	-	-	-	-	-

Cassette sprocket			Spoke protector model				
Model No.	Number of largest sprocket teeth						
	45T	51T	WH-MT600	WH-MT500	WH-MT66-29	WH-MT35 WH-MT35-275 WH-MT35-29 WH-MT15-A-275 WH-MT15-A-29	WH-RX880 (MICRO SPLINE)
CS-M9101	✓	✓	-	-	-	-	CP-WRX8B
CS-M9100	✓	✓	-	-	-	-	
CS-M8100	✓	✓	-	-	-	-	
CS-M7100	✓	✓	-	-	-	-	
CS-M6100	-	✓	-	-	-	-	

11-speed

Cassette sprocket							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-M9001	✓	-	-	-	-	-	-	-	-	-	-
CS-M8000	✓	✓	-	✓	-	-	-	-	-	-	-
CS-M7000	✓	✓	-	✓	-	-	-	-	-	-	-
CS-M5100	-	✓	-	-	-	✓	-	-	-	-	-
CS-LG700-11	-	-	✓	-	✓	-	-	-	-	-	-
CS-LG600-11	-	-	-	-	✓	-	-	-	-	-	-
CS-LG400-11	-	-	✓	-	✓	-	-	-	-	-	-

Cassette sprocket							Spoke protector model				
Model No.	Number of largest sprocket teeth										
	40T	42T	45T	46T	50T	51T	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600	WH-MT500	WH-MT66-29	WH-MT35 WH-MT35-275 WH-MT35-29 WH-MT15-A-275 WH-MT15-A-29
CS-M9001	✓	-	-	-	-	-	CP-WH17-A	CP-WH26	-	-	-
CS-M8000	✓	✓	-	✓	-	-	CP-WH17-A	CP-WH26	-	-	-
CS-M7000	✓	✓	-	✓	-	-	CP-WH17-A	CP-WH26	-	-	-
CS-M5100	-	✓	-	-	-	✓	CP-WH17-A (for 42T)	CP-WH26 (for 42T)	-	-	-
CS-LG700-11	-	-	✓	-	✓	-	-	-	-	-	-
CS-LG600-11	-	-	-	-	✓	-	-	-	-	-	-
CS-LG400-11	-	-	✓	-	✓	-	-	-	-	-	-

10-speed

Model No.	Cassette sprocket: Number of largest sprocket teeth								Spoke protector model				
	32T	34T	36T	39T	42T	43T	46T	48T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501
CS-M4100	-	-	-	-	✓	-	✓	-	-	-	-	-	-
CS-M771-10	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
CS-HG81-10	-	✓	✓	-	-	-	-	-	-	-	-	-	-
CS-HG500-10	-	-	-	-	✓	-	-	-	-	-	-	-	-
CS-HG50-10	-	-	✓	-	-	-	-	-	-	-	-	-	-
CS-LG600-10	-	-	-	-	-	✓	-	-	-	-	-	-	-
CS-LG400-10	-	-	-	✓	-	✓	-	✓	-	-	-	-	-
CS-LG300-10	-	-	-	✓	-	-	-	✓	-	-	-	-	-

Model No.	Cassette sprocket: Number of largest sprocket teeth								Spoke protector model				
	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-MT66-29	WH-MT35 WH-MT35-275 WH-MT35-29 WH-MT15-A-275 WH-M815-A-29
CS-M4100	-	-	-	-	✓	-	✓	-	-	-	-	-	-
CS-M771-10	✓	✓	✓	-	-	-	-	-	-	CP-WH16	CP-WH21	CP-WH16	CP-WH12
CS-HG81-10	-	✓	✓	-	-	-	-	-	-	CP-WH16	CP-WH21	CP-WH16	CP-WH12
CS-HG500-10	-	-	-	-	✓	-	-	-	-	-	CP-WH21	-	CP-WH19
CS-HG50-10	-	-	✓	-	-	-	-	-	-	CP-WH16	CP-WH21	CP-WH16	CP-WH12
CS-LG600-10	-	-	-	-	-	✓	-	-	-	CP-WH26	CP-WH21	-	-
CS-LG400-10	-	-	-	✓	-	✓	-	✓	-	-	-	-	-
CS-LG300-10	-	-	-	✓	-	-	-	✓	-	-	-	-	-

9-speed

Model No.	Cassette sprocket: Number of largest sprocket teeth						Spoke protector model				
	28T	32T	34T	36T	41T	46T	WH-M8100	WH-M8120	WH-MT620	WH-MT601	WH-MT501
CS-HG400-9 CS-HG300-9 CS-HG201-9 CS-HG200-9	-	✓	✓	✓	-	-	-	-	-	-	-
CS-HG400-9 CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-
CS-LG400-9	-	-	-	✓	✓	✓	-	-	-	-	-
CS-LG300-9	-	-	-	✓	✓	✓	-	-	-	-	-

Model No.	Cassette sprocket: Number of largest sprocket teeth						Spoke protector model				
	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-MT66-29	WH-MT35 WH-MT35-275 WH-MT35-29 WH-MT15-A-275 WH-MT15-A-29
CS-HG400-9 CS-HG300-9 CS-HG201-9 CS-HG200-9	-	✓	✓	✓	-	-	-	-	-	CP-WH16	CP-WH12
CS-HG400-9 CS-HG300-9	✓	-	-	-	-	-	-	-	-	CP-WH16	CP-WH08
CS-LG400-9	-	-	-	✓	✓	✓	-	-	-	-	-
CS-LG300-9	-	-	-	✓	✓	✓	-	-	-	-	-

ROAD, Gravel, URBAN (METREA)

Model No.	Speed				Number of largest sprocket teeth									
	9	10	11**	12	23T	25T	27T	28T	30T	32T*	34T	36T	40T	42T
WH-R9270-C60	-	-	-	✓	-	-	-	-	CP-WR92C			-	-	-
WH-R9270-C50 WH-R9270-C36	-	-	-	✓	-	-	-	-	CP-WR92A			-	-	-
WH-R9200-C60 WH-R9200-C50 WH-R9200-C36	-	-	-	✓	-	-	-	-	CP-W124			-	-	-
WH-R8170-C60 WH-R8170-C50 WH-R8170-C36	-	-	✓	✓	-	-	-	CP-WR81A				-	-	-
WH-RS710-C32 WH-RS710-C46	-	-	✓	✓	-	-	-	CP-WH24				CP-WR71A	-	-
WH-R9170-C60 WH-R9170-C40	-	✓	✓	-	-	CP-W1460					-	-	-	-
WH-R9100-C60 WH-R9100-C40	-	✓	✓	-	-	CP-W124					-	-	-	-
WH-R9100-C24	-	-	✓	-	CP-WH23	CP-W120					-	-	-	-
	-	✓	-	-	CP-W020						-	-	-	-
WH-RS770-C30	-	-	✓	-	-	CP-W1460					CP-W1460	-	-	-
	-	✓	-	-	-	CP-W1460					-	-	-	-
WH-RS700-C30	-	-	✓	-	-	CP-W124					CP-W124	-	-	-
	-	✓	-	-	-	CP-W124					-	-	-	-
WH-RS500 WH-RS300 WH-RS11	-	-	✓	-	CP-WH23				-	CP-W120	-	-	-	-
WH-RS11	-	✓	-	-	CP-W020						-	-	-	-
WH-9000-C24-TU WH-RS330-CL	-	-	✓	-	CP-W184				-	CP-W124	-	-	-	-
	-	✓	-	-	CP-W024						-	-	-	-
WH-RX830	-	✓	✓	-	-	CP-W1220					CP-WH14 CP-WH14A	-	-	-
WH-RX31	-	✓	✓	-	-	CP-W122						-	-	-
WH-RS100	-	✓	✓	-	-	CP-WH24					CP-FH53	-	-	-
WH-RS010-CL	-	✓	✓	-	-	CP-WH24					CP-FH53	-	-	-
WH-R501 WH-R501-A	✓	✓	-	-	CP-FH06		CP-FH31		CP-FH46	CP-WH24	-	-	-	-
WH-RS170	-	-	✓	-	CP-FH08				-	CP-WH12	-	-	-	-
	-	✓	-	-	CP-FH40 CP-FH41				CP-FH40 CP-FH41	CP-WH12	CP-WH12	-	-	-
WH-RS171 (700c/650b)	-	-	✓	-	CP-FH08				-	CP-WH12	-	-	-	-
	-	✓	-	-	CP-FH40 CP-FH41				CP-FH40 CP-FH41	CP-WH12	CP-WH12	-	-	-
WH-RX010-CL	-	-	✓	-	CP-FH08				-	CP-WH12	-	-	-	-
	-	✓	-	-	CP-FH40 CP-FH41				CP-FH40 CP-FH41	CP-WH12	CP-WH12	-	-	-
WH-RX010	✓	✓	-	-	CP-FH08				CP-FH40 CP-FH41	CP-WH12	-	-	-	-
WH-U5000	-	✓	✓	-	-	CP-W122						-	-	-
WH-RS370	-	✓	✓	-	-	CP-WH12						-	-	-
	-	✓	-	-	CP-WH41					CP-WH12	-	-	-	-
WH-RX880 (HG spline L2)	-	-	-	✓	-						CP-WRX8A		-	
WH-RX870	-	-	✓	✓	-	-	-	-	-	-	CP-WH30	-	CP-WH26	
WH-RX570	-	✓	✓	-	-	CP-WH30						-	-	-
	-	✓	-	-	CP-WH41					CP-WH12	-	-	-	-

* For compact crank set

** 11-speed : CS-R9100 / CS-R8000 / CS-R7000 / CS-6800 / CS-5800

Spoke protector for Road

Speed	Model No.	Number of largest sprocket teeth										Spoke holes number			
		21T	23T	24T	25T	26T	27T	28T	30T	32T	34T	24H	28H	32H	36H
8, 9, 10	Road	✓	✓	-	✓	-	-	-	-	-	-	CP-FH06	CP-FH08	CP-FH05	CP-FH06
		-	-	-	-	✓	-	-	-	-	-	CP-FH31	CP-FH08	CP-FH35	CP-FH31
		-	-	-	-	-	✓	✓	-	-	-	CP-FH31	CP-FH08	CP-FH35	CP-FH31
		-	-	-	-	-	-	-	✓	-	-	-	-	CP-FH45	CP-FH46
7	CS-HG200-7	-	-	-	-	-	-	✓	-	-	-	-	-	CP-FH35	CP-FH50
	MF-TZ500-7 MF-TZ510-7 MF-TZ21	-	-	-	-	-	-	✓	-	-	-	-	-	-	CP-HG22/ MF-TZ500-7-CP/ MF-TZ21-CP

Spoke protector is not available for Road 11-speed FREEHUB.

E-BIKE system compatibility chart

C-525

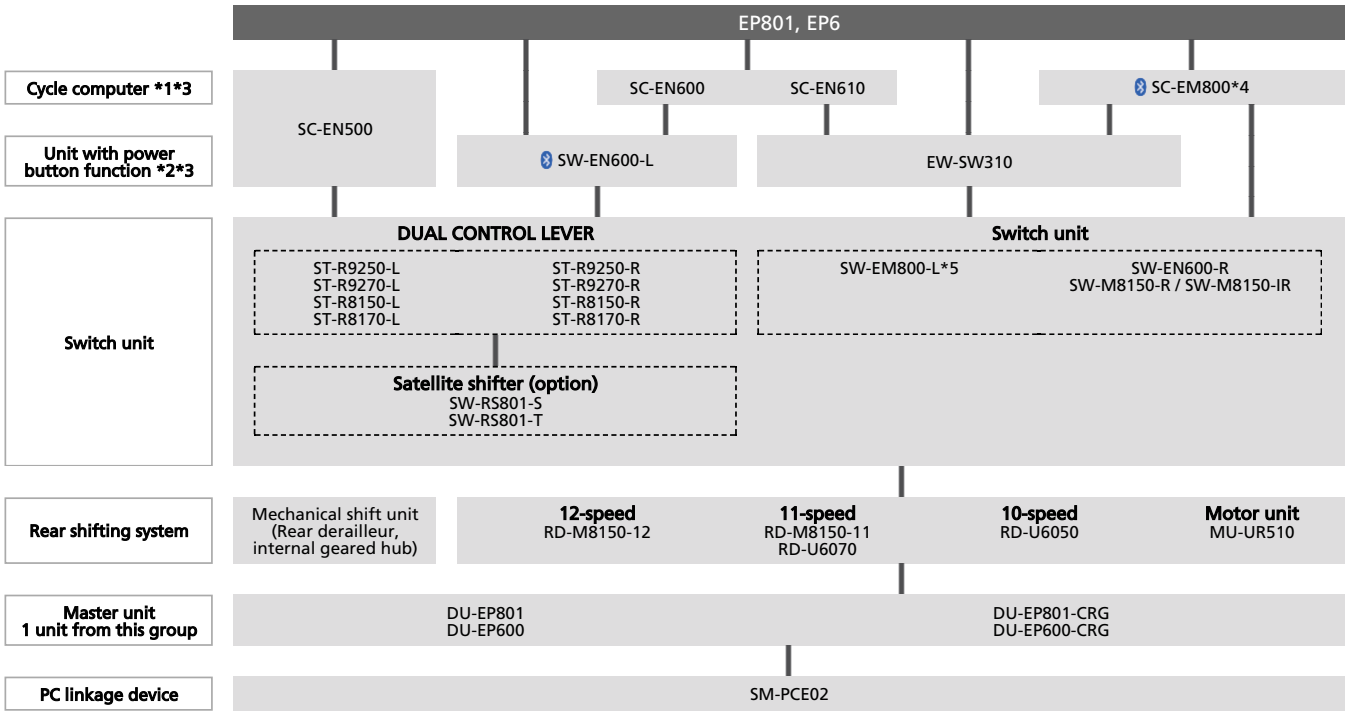
Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.2.0

SHIMANO STEPS with Gen.2 Battery Management System

This is a compatibility table when using the following batteries.

- SHIMANO STEPS Gen.2 battery
- Battery with hardware and firmware compatible with Gen.2 made by partner manufacturers.

* Gen.2 battery management system is not compatible with a battery with hardware and firmware compatible with conventional system made by partner manufacturers.

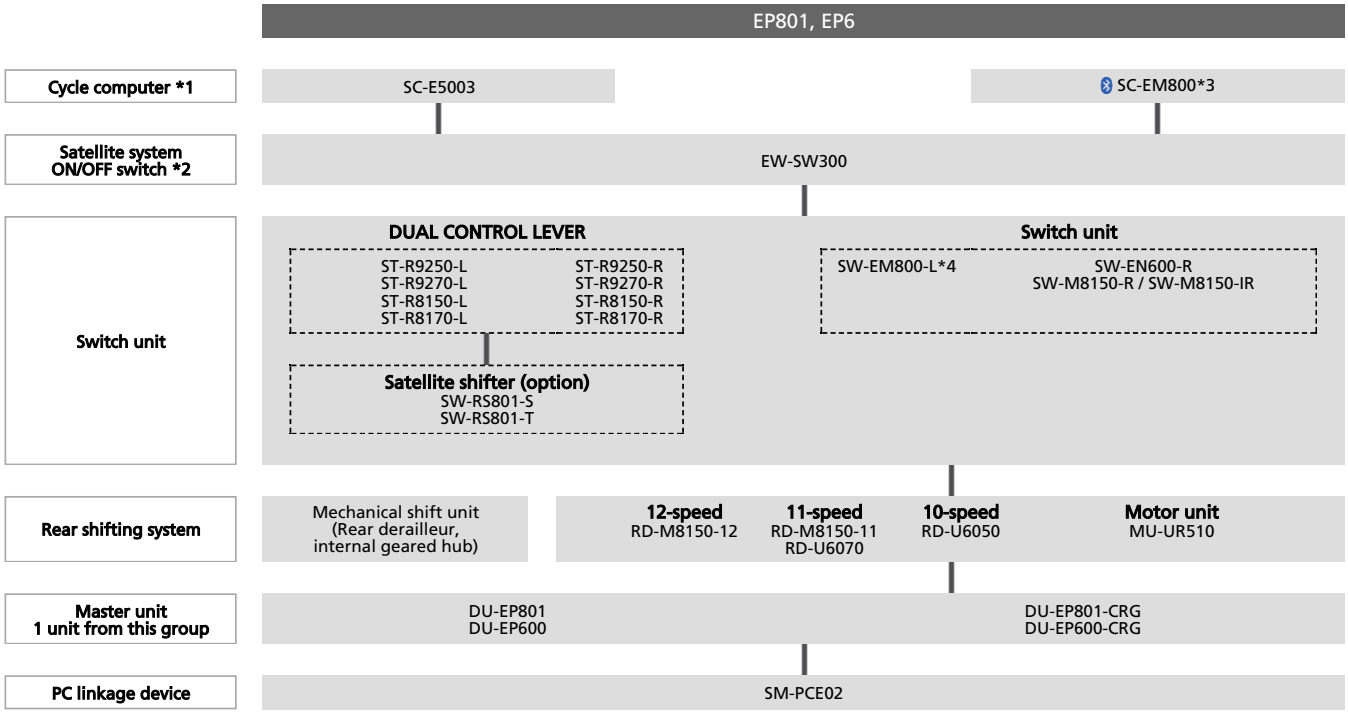


Limitation of function

*1 When system has unit with power button function, cycle computer isn't mandatory.
*2 When the cycle computer, switch unit, and other units has power ON / OFF function, the unit with power button function isn't mandatory.
*3 When system has 3rd party CAN cycle computer, SHIMANO cycle computer and the unit with power button function isn't mandatory.
*4 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
*5 Need to change switch setting by E-TUBE PROJECT to use as shift switch.

SHIMANO STEPS with 1st generation Battery Management System (for 3rd party battery *)

* This is a compatibility table when using a battery made by a partner manufacturer that ensures compatibility only by updating the firmware.

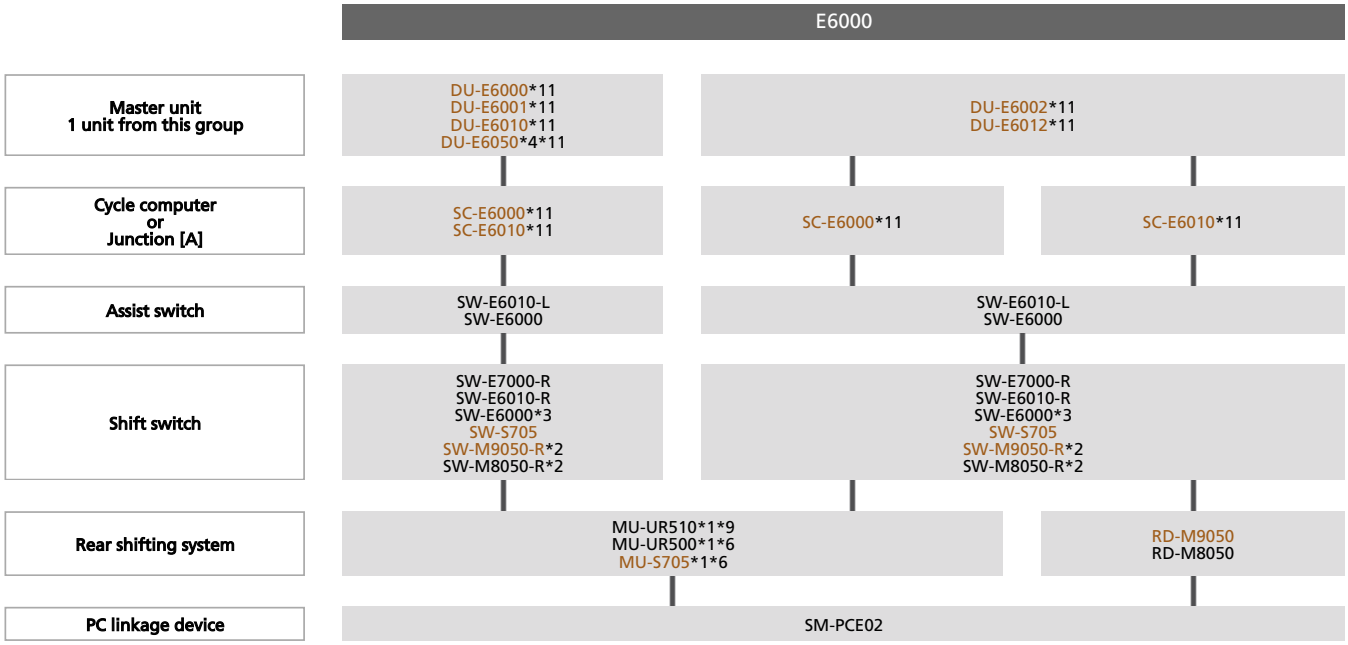


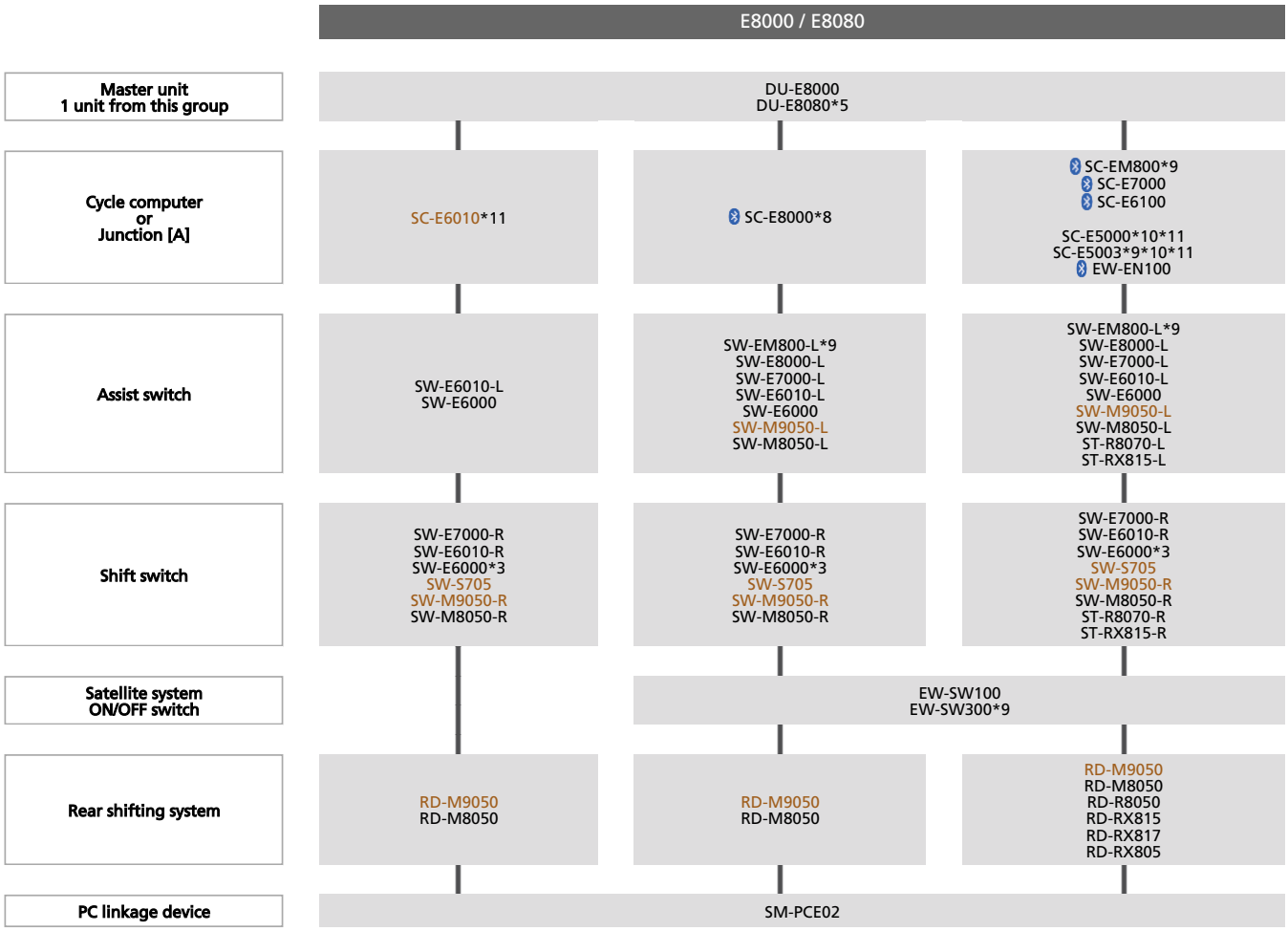
Limitation of function

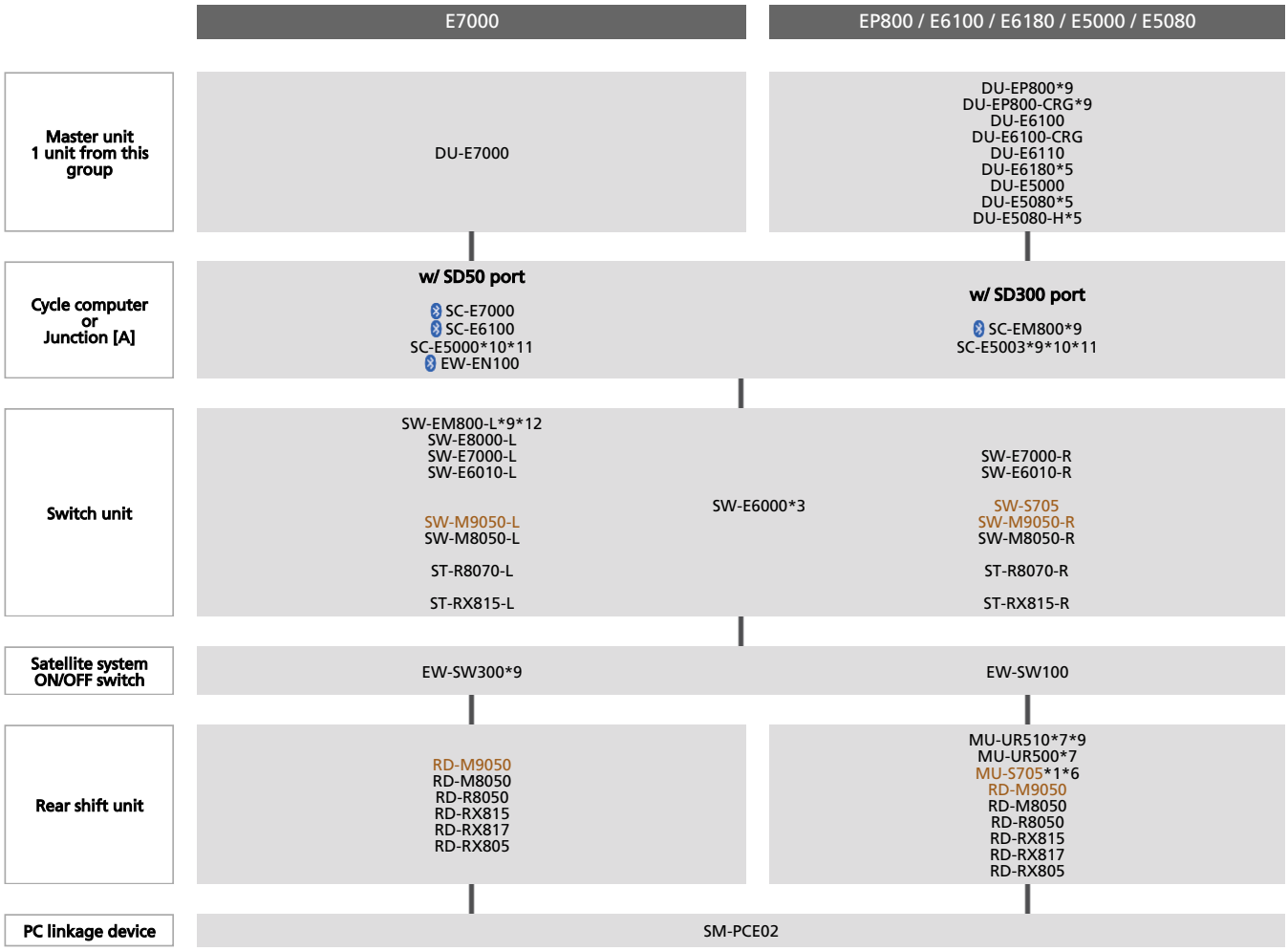
*1 Cycle computer is mandatory.
*2 When power on/off function on other unit, satellite power on/off switch isn't mandatory.
*3 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
*4 Need to change Switch setting by E-TUBE PROJECT to use as shift switch.

SHIMANO STEPS with 1st generation Battery Management System (SHIMANO 1st generation battery and compatible 3rd party battery *)

* This is a compatibility table when using the following batteries.
  - SHIMANO STEPS 1st generation battery
  - Battery with hardware and firmware compatible with conventional system made by partner manufacturers.







Limitation of function

*1 Fully automatic gear shifting is available only with 8-speed internal geared hubs (Not available with rear derailleurs).
*2 Not support full automatic shift.
*3 Need to change Switch setting by E-TUBE PROJECT.
*4 North American market only.
*5 Japanese market only.
*6 Available only with 11-speed and 8-speed internal geared hubs.
*7 Full automatic shift is available only with 8-speed and 5-speed internal geared hub system. (Not available with Rear Derailleur)
*8 Not available in Japan market.
*9 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit.
*10 SC-E5000, SC-E5003 is only for o22.2 handlebar. Drop handlebar is unavailable.
*11 Not supported by E-TUBE PROJECT Cyclist.
*12 To use as a shift switch, the switch settings need to be changed in E-TUBE PROJECT.

DU-EP801 / DU-EP801-CRG / DU-EP800 / DU-EP800-CRG / DU-EP600 / DU-EP600-CRG C-706

12-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
HYPERGLIDE+ 12-speed *2 (Di2, Mechanical)	HG 12-speed	HYPERGLIDE+ 12-speed	FC-EM900 FC-M8150 FC-EM600	SM-CRE80-12-SB 34T/36T	56.5	-	CD-EM800
				CR-EM800 *1 32T	55	-	CD-EM800 w/o plate
				SM-CRE80-12-B 34T/36T/38T			CD-EM800 (Chain line: 55 mm)
				SM-CRE70-12-B 36T			
				SM-CRE80-12-B 34T/36T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-12-B 36T			
				SM-CRE80-R 47T	50	-	-
				SM-CRE70-12 42T		Double	

*1 For DU-EP800 and DU-EP800-CRG, it is necessary to replace the lock ring to Y7K79801T

*2 DU-EP800 and DU-EP800-CRG are not compatible with 12-speed Di2 drivetrain

11/10/9-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
LINKGLIDE *1 (Di2, Mechanical)	LINKGLIDE HG 11-speed	LINKGLIDE 11/10/9-speed	FC-EM900 FC-M8150 FC-EM600	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T	50	-	SM-CDE80 w/o plate
				SM-CRE80 44T	50	Double	-
				SM-CRE80-R 47T	50	-	
				SM-CRE70 38T	50		SM-CDE80 w/o plate
					50	Double	-
HG 11-speed (Di2, Mechanical)	LINKGLIDE HG 11-speed	HG 11-speed	FC-EM900 FC-M8150 FC-EM600	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T	50	-	SM-CDE80 w/o plate
				SM-CRE80 44T	50	Double	-
				SM-CRE80-R 47T	50	-	
				SM-CRE70 38T	50		SM-CDE80 w/o plate
					50	Double	-
HG 10-speed (Mechanical)	HG 10-speed	HG 10-speed	FC-EM900 FC-M8150 FC-EM600	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T	50	-	SM-CDE80 w/o plate
				SM-CRE80 44T	50	Double	-
				SM-CRE80-R 47T	50	-	
				SM-CRE70 38T	50		SM-CDE80 w/o plate
					50	Double	-
HG 9-speed (Mechanical)	HG 9-speed	HG 9-speed	FC-EM900 FC-M8150 FC-EM600	SM-CRE70-B 34T	55	-	CD-EM800 (Chain line: 55mm)
				SM-CRE70-B 34T	53		CD-EM800 SM-CDE80 SM-CDE70
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80-R 47T	50	-	
				SM-CRE70 38T	50	-	SM-CDE80 w/o plate
					50	Double	-

*1 DU-EP800 and DU-EP800-CRG are not compatible with LINKGLIDE Di2 drivetrain

Internal geared hub spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
ALFINE INTER-11/8 (Di2, Mechanical)	HG 10/9-speed	CS-S500	FC-EM900 FC-M8150 FC-EM600	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-8 (Di2, Mechanical)	HG 10/9-speed	CS-S500	FC-EM900 FC-M8150 FC-EM600	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed Single speed (1/2 inch x 1/8 inch)	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-7/3 (Mechanical)	HG 10/9-speed	CS-S500	FC-EM900 FC-M8150 FC-EM600	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed Single speed (1/2 inch x 1/8 inch)	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-5E (Di2, Mechanical)	HG 9-speed CN-NX10	CS-C7000	FC-EM900 FC-M8150 FC-EM600	CR-ET600 38T/44T	50	Double	CT-S510
				CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		

DU-E8000 / DU-E8080 / DU-E7000 C-656

12-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
HYPERGLIDE+ 12-speed (Mechanical)	HG 12-speed	HYPERGLIDE+ 12-speed	FC-M8050 FC-E8050 FC-E8000	SM-CRE80-12-SB 34T/36T	56.5	-	CD-EM800
				CR-EM800 *1 32T	55	-	CD-EM800 w/o plate
				SM-CRE80-12-B 34T/36T/38T			CD-EM800 (Chain line: 55mm)
				SM-CRE70-12-B 36T			
				SM-CRE80-12-B 34T/36T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-12-B 36T			
				SM-CRE80-R 47T	50	-	-
				SM-CRE70-12 42T	50	Double	

*1 Necessary to replace the lock ring to Y7K79801T.

11/10/9-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
LINKGLIDE (Mechanical)	LINKGLIDE	LINKGLIDE	FC-M8050 FC-E8050 FC-E8000	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T		-	SM-CDE80 w/o plate
				SM-CRE80 44T		Double	-
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			SM-CDE80 w/o plate
						Double	-
HG 11-speed (Di2, Mechanical)	LINKGLIDE HG 11-speed	HG 11-speed	FC-M8050 FC-E8050 FC-E8000	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T		-	SM-CDE80 w/o plate
				SM-CRE80 44T		Double	-
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			SM-CDE80 w/o plate
						Double	-
HG 10-speed (Mechanical)	HG 10-speed	HG 10-speed	FC-M8050 FC-E8050 FC-E8000	SM-CRE80-B 34T/38T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	CD-EM800 SM-CDE80 SM-CDE70
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80 34T/38T		-	SM-CDE80 w/o plate
				SM-CRE80 44T		Double	-
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			SM-CDE80 w/o plate
						Double	-
HG 9-speed (Mechanical)	HG 9-speed	HG 9-speed	FC-M8050 FC-E8050 FC-E8000	SM-CRE70-B 34T	55	-	CD-EM800 (Chain line: 55 mm)
				SM-CRE70-B 34T	53		CD-EM800 SM-CDE80 SM-CDE70
				CR-ET600 38T/44T	50	Double	-
				SM-CRE80-R 47T	50	-	
				SM-CRE70 38T	50	-	SM-CDE80 w/o plate
					50	Double	-

DU-E6100 / DU-E6100-CRG / DU-E6110 / DU-E6180 C-657

12-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
HYPERGLIDE+ 12-speed (Mechanical)	HG 12-speed	HYPERGLIDE+ 12-speed	FC-M8050 FC-E8050 FC-E8000 FC-E6100	SM-CRE80-12-SB 34T/36T	56.5	-	-
				SM-CRE80-12-B 34T/36T/38T	55	-	
				SM-CRE70-12-B 36T			
				SM-CRE80-12-B 34T/36T/38T	53	-	
				SM-CRE70-12-B 36T			
				SM-CRE80-R 47T	50	-	
				SM-CRE70-12 42T		Double	

11/10/9-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
LINKGLIDE (Mechanical)	LINKGLIDE	LINKGLIDE	FC-M8050 FC-E8050 FC-E8000 FC-E6100	SM-CRE80-B 34T/38T	55	-	-
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	
				SM-CRE80 34T/38T		-	
				SM-CRE80 44T		Double	
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			
				SM-CRE70 38T		Double	
				SM-CRE61 38T/44T	46.5	Double, Single, w/o	
HG 11-speed (Di2, Mechanical)	LINKGLIDE HG 11-speed	HG 11-speed	FC-M8050 FC-E8050 FC-E8000 FC-E6100	SM-CRE80-B 34T/38T	55	-	-
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	
				SM-CRE80 34T/38T		-	
				SM-CRE80 44T		Double	
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			
				SM-CRE70 38T		Double	
				SM-CRE61 38T/44T	46.5	Double, Single, w/o	

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
HG 10-speed (Mechanical)	LINKGLIDE HG 10-speed	HG 10-speed	FC-M8050 FC-E8050 FC-E8000 FC-E6100	SM-CRE80-B 34T/38T	55	-	-
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	
				SM-CRE80 34T/38T		-	
				SM-CRE80 44T		Double	
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			
				SM-CRE70 38T		Double	
				SM-CRE61 38T/44T	46.5	Double, Single, w/o	
HG 9-speed (Mechanical)	LINKGLIDE HG 9-speed	HG 9-speed	FC-M8050 FC-E8050 FC-E8000 FC-E6100	SM-CRE80-B 34T/38T	55	-	-
				SM-CRE70-B 34T			
				SM-CRE80-B 34T/38T	53	-	
				SM-CRE70-B 34T			
				CR-ET600 38T/44T	50	Double	
				SM-CRE80 34T/38T		-	
				SM-CRE80 44T		Double	
				SM-CRE80-R 47T		-	
				SM-CRE70 38T			
				SM-CRE70 38T		Double	
				SM-CRE61 38T/44T	46.5	Double, Single, w/o	

Internal geared hub spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain tensioner
ALFINE INTER-11/8 (Di2, Mechanical)	HG 10/9-speed	CS-S500	FC-M8050 FC-E8050 FC-E8000 FC-E6100	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-8 (Di2, Mechanical)	HG 10/9-speed	CS-S500	FC-M8050 FC-E8050 FC-E8000 FC-E6100	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed Single speed 1/2 inch x 1/8 inch	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-7/3 (Mechanical)	HG 10/9-speed	CS-S500	FC-M8050 FC-E8050 FC-E8000 FC-E6100	CR-ET600 38T/44T	50	Double	CT-S510
				SM-CRE61 38T/44T	46.5		
	HG 8-speed Single speed 1/2 inch x 1/8 inch	SM-GEAR		CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		
NEXUS INTER-5E (Di2, Mechanical)	HG 9-speed CN-NX10	CS-C7000	FC-M8050 FC-E8050 FC-E8000 FC-E6100	CR-ET600 38T/44T	50	Double	CT-S510
				CR-ET600 38T/44T	50	Single	
				SM-CRE61 38T/44T	46.5		
				CR-ET600 38T/44T	50	w/o	-
				SM-CRE61 38T/44T	46.5		

DU-E6000 / DU-E6001 / DU-E6010 / DU-E6050 C-658

11/10/9-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain tensioner
HG 11-speed (Mechanical)	HG 11-speed	HG 11-speed	FC-E6000 FC-E6010 FC-E5000 FC-E5010	SM-CRE60 38T/44T	46.5	Double	-
HG 10-speed (Mechanical)	HG 10-speed	HG 10-speed		SM-CRE60 38T/44T	46.5	Double	-
HG 9-speed (Mechanical)	HG 9-speed	HG 9-speed		SM-CRE60 38T/44T	46.5	Double	-

Internal geared hub spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain tensioner
ALFINE INTER-11/8 (Di2, Mechanical)	HG 9/8-speed	CS-S500	FC-E6000 FC-E6010 FC-E5000 FC-E5010	SM-CRE60 38T/44T	46.5	w/o	CT-S510
		SM-GEAR			46.5	Double	
NEXUS INTER-8 (Di2, Mechanical)	HG Single speed (1/2 inch x 1/8 inch)	SM-GEAR		SM-CRE60 38T/44T	46.5	Single, w/o	CT-S510 *
NEXUS INTER-7/3 (Mechanical)	HG Single speed (1/2 inch x 1/8 inch)	SM-GEAR		SM-CRE60 38T/44T	46.5	Single, w/o	
NEXUS INTER-5E (Di2, Mechanical)	HG 8/7/6-speed	CS-C7000		SM-CRE60 38T/44T	46.5	Double	-

* Not compatible with CN-NX10

DU-E5000 / DU-E5080 / DU-E5080-H C-659

11/10/9-speed Rear derailleur spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
LINKGLIDE (Mechanical)	LINKGLIDE	LINKGLIDE	FC-E6000 FC-E6010 FC-E5000 FC-E5010	SM-CRE50 38T/44T	46.5	Double, Single, w/o	-
HG 11-speed (Di2, Mechanical)	HG 11-speed	HG 11-speed		SM-CRE50 38T/44T	46.5	Double, Single, w/o	
HG 10-speed (Mechanical)	HG 10-speed	HG 10-speed		SM-CRE50 38T/44T	46.5	Double, Single, w/o	
HG 9-speed (Mechanical)	HG 9-speed	HG 9-speed		SM-CRE50 38T/44T	46.5	Double, Single, w/o	

Internal geared hub spec.

Shifting system	Chain type	Rear sprocket	Crank arm	Chainring	Chain line (mm)	Chain guard	Chain device
ALFINE INTER-11/8 (Di2, Mechanical)	HG 10/9-speed	CS-S500	FC-E6000 FC-E6010 FC-E5000 FC-E5010	SM-CRE50 38T/44T	46.5	Double	CT-S510
	HG 8-speed	SM-GEAR		SM-CRE50 38T/44T		Single	
				SM-CRE50 38T/44T		w/o	-
NEXUS INTER-8 (Di2, Mechanical)	HG 10/9-speed	CS-S500		SM-CRE50 38T/44T	46.5	Double	CT-S510
	HG 8-speed Single speed (1/2 inch x 1/8 inch)	SM-GEAR		SM-CRE50 38T/44T		Single	
				SM-CRE50 38T/44T		w/o	-
NEXUS INTER-7/3 (Mechanical)	HG 10/9-speed	CS-S500		SM-CRE50 38T/44T	46.5	Double	CT-S510
	HG Single speed (1/2 inch x 1/8 inch)	SM-GEAR		SM-CRE50 38T/44T		Single	
				SM-CRE50 38T/44T		w/o	-
NEXUS INTER-5E (Di2, Mechanical)	HG 8-speed CN-NX10	CS-C7000		SM-CRE50 38T/44T	46.5	Single, w/o	-

Switch unit / cycle computer and brake lever compatibility

For Hydraulic Disc brake

I-SPEC EV type brake lever

Model No.	Di2 shift switch			SHIMANO STEPS cycle computer		
	SW-M9050	SW-M8050	SW-M8150-IR	SC-E5000 *2	SC-E5003 *2	SC-EN500 *2
BL-M9100 *1	-	-	✓	✓	-	✓
BL-M9120 *1	-	-	✓	✓	-	✓
BL-M8100 *1	-	-	✓	✓	-	✓
BL-M7100 *1	-	-	✓	✓	-	✓
BL-M6100	-	-	✓	✓	-	✓
BL-M4100	-	-	✓	✓	-	✓

Model No.	SHIMANO STEPS switch unit						
	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SW-EN600-L	SW-EN600-R
BL-M9100 *1	✓	-	✓	✓	✓	✓	✓
BL-M9120 *1	✓	-	✓	✓	✓	✓	✓
BL-M8100 *1	✓	-	✓	✓	✓	✓	✓
BL-M7100 *1	✓	-	✓	✓	✓	✓	✓
BL-M6100	✓	-	✓	✓	✓	✓	✓
BL-M4100	✓	-	✓	✓	✓	✓	✓

*1: In case of using these brake lever, refer to C-422.
*2: I-SPEC EV compatible spec only.

I-SPEC II type brake lever

Model No.	Di2 shift switch			SHIMANO STEPS cycle computer		
	SW-M9050	SW-M8050	SW-M8150-R	SC-E5000	SC-E5003	SC-EN500
BL-M9000 *1	✓	✓	✓	✓	✓	✓
BL-M9020 *1	✓	✓	✓	✓	✓	✓
BL-M8000 *1	✓	✓	✓	✓	✓	✓
BL-T8100 *1	✓	✓	✓	✓	✓	✓
BL-T8000 *1	✓	✓	✓	✓	✓	✓
BL-M7000 *1	✓	✓	✓	✓	✓	✓
BL-M6000	✓	✓	✓	✓	✓	✓
BL-T6000	✓	✓	✓	✓	✓	✓
BL-RS600	✓	✓	✓	✓	✓	✓
BL-MT501	✓	✓	✓	✓	✓	✓
BL-U8000 *2	-	-	✓	✓	✓	✓

Model No.	SHIMANO STEPS switch unit						
	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SW-EN600-L	SW-EN600-R
BL-M9000 *1	✓	✓	✓	✓	✓	✓	✓
BL-M9020 *1	✓	✓	✓	✓	✓	✓	✓
BL-M8000 *1	✓	✓	✓	✓	✓	✓	✓
BL-T8100 *1	✓	✓	✓	✓	✓	✓	✓
BL-T8000 *1	✓	✓	✓	✓	✓	✓	✓
BL-M7000 *1	✓	✓	✓	✓	✓	✓	✓
BL-M6000	✓	✓	✓	✓	✓	✓	✓
BL-T6000	✓	✓	✓	✓	✓	✓	✓
BL-RS600	✓	✓	✓	✓	✓	✓	✓
BL-MT501	✓	✓	✓	✓	✓	✓	✓
BL-U8000 *2	✓	-	✓	✓	✓	✓	✓

*1: In case of using these brake lever, refer to C-422.
*2: As for the compatibility between BL-U8000 and mechanical shift lever, please refer to the C-738.

Other clamp band type brake lever

Model No.	Di2 shift switch			SHIMANO STEPS cycle computer		
	SW-M9050	SW-M8050	SW-M8150-R	SC-E5000	SC-E5003	SC-EN500
BL-MT402-3A	✓	✓	✓	✓	✓	✓
BL-MT401	✓	✓	✓	✓	✓	✓
BL-MT201	✓	✓	✓	✓	✓	✓
BL-MT200	✓	✓	✓	✓	✓	✓

Model No.	SHIMANO STEPS switch unit						
	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SW-EN600-L	SW-EN600-R
BL-MT402-3A	✓	✓	✓	✓	✓	✓	✓
BL-MT401	✓	✓	✓	✓	✓	✓	✓
BL-MT201	✓	✓	✓	✓	✓	✓	✓
BL-MT200	✓	✓	✓	✓	✓	✓	✓

Brake lever for mechanical brake (Mechanical disc brake / V-BRAKE / Caliper brake / Cantilever brake)

Refer to Spec Hand Book for compatible brake type.

Model No.	SHIMANO STEPS cycle computer		
	SC-E5000	SC-E5003	SC-EN500
BL-T610	✓	✓	✓
BL-T611	✓	✓	✓
BL-T4000	✓	✓	✓
BL-T4010	✓	✓	✓
BL-C6010	✓	✓	✓
BL-4700	✓	✓	✓
BL-R3000	✓	✓	✓
BL-R2000	✓	✓	✓
BL-R780	✓	✓	✓
BL-R550	✓	✓	✓

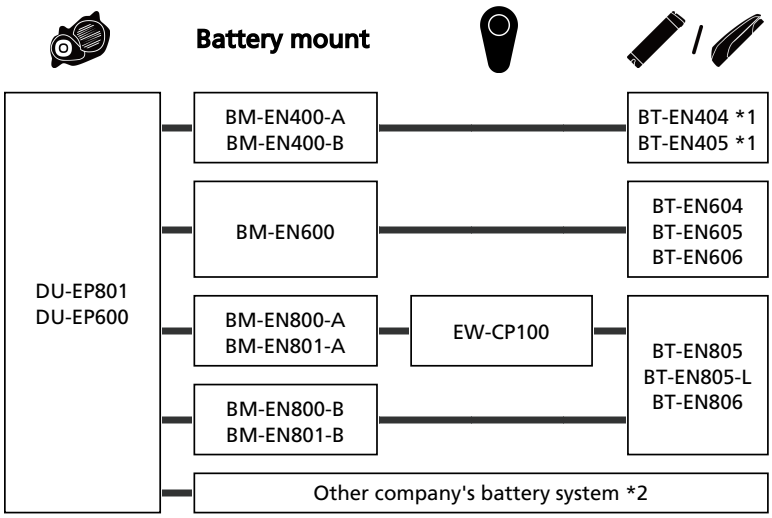
Model No.	SHIMANO STEPS switch unit						
	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SW-EN600-L	SW-EN600-R
BL-T610	✓	✓	✓	✓	✓	✓	✓
BL-T611	✓	✓	✓	✓	✓	✓	✓
BL-T4000	✓	✓	✓	✓	✓	✓	✓
BL-T4010	✓	✓	✓	✓	✓	✓	✓
BL-C6010	✓	✓	✓	✓	✓	✓	✓
BL-4700	✓	✓	✓	✓	✓	✓	✓
BL-R3000	✓	✓	✓	✓	✓	✓	✓
BL-R2000	✓	✓	✓	✓	✓	✓	✓
BL-R780	✓	✓	✓	✓	✓	✓	✓
BL-R550	✓	✓	✓	✓	✓	✓	✓

Battery and battery mount compatibility

Battery

Batteries shipped in the country / region are different.

For Gen.2 battery management system

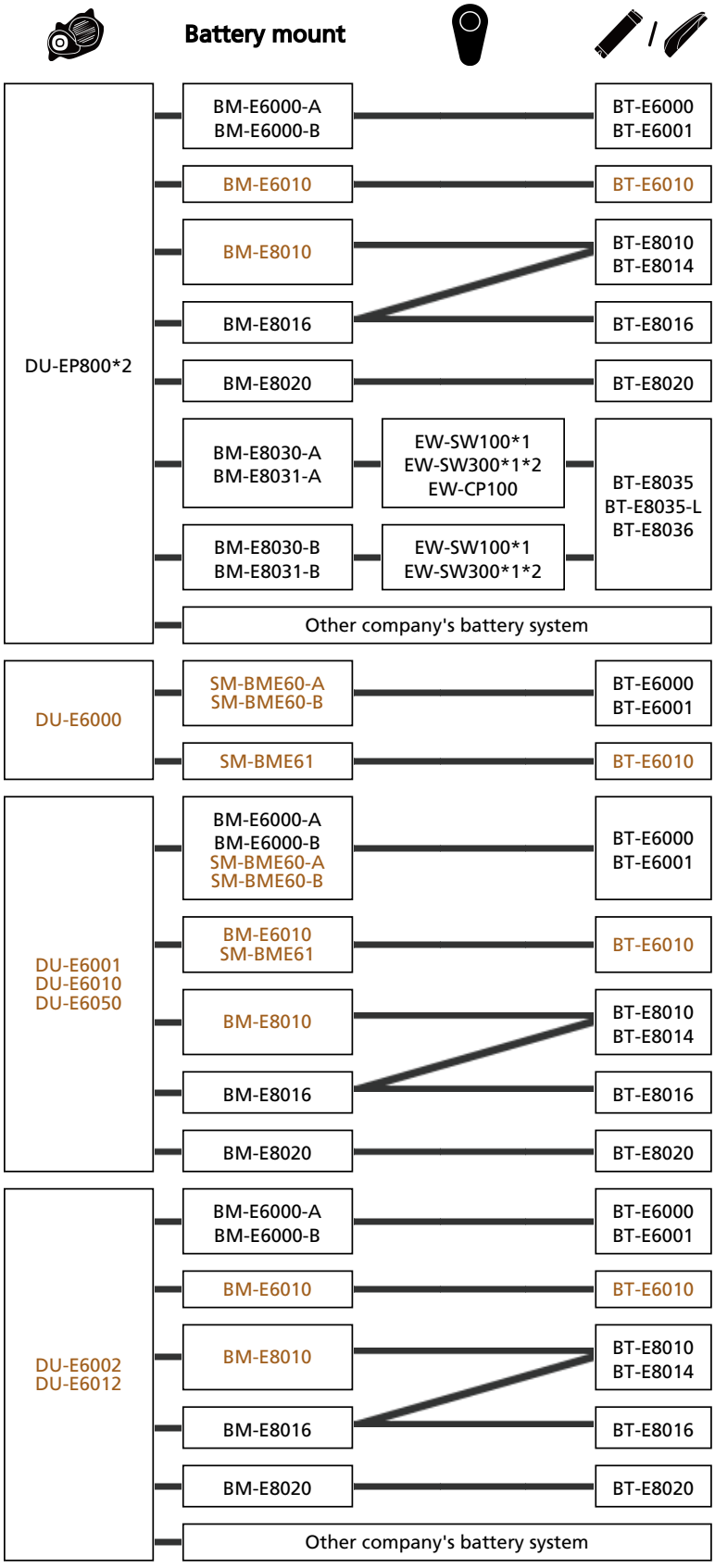


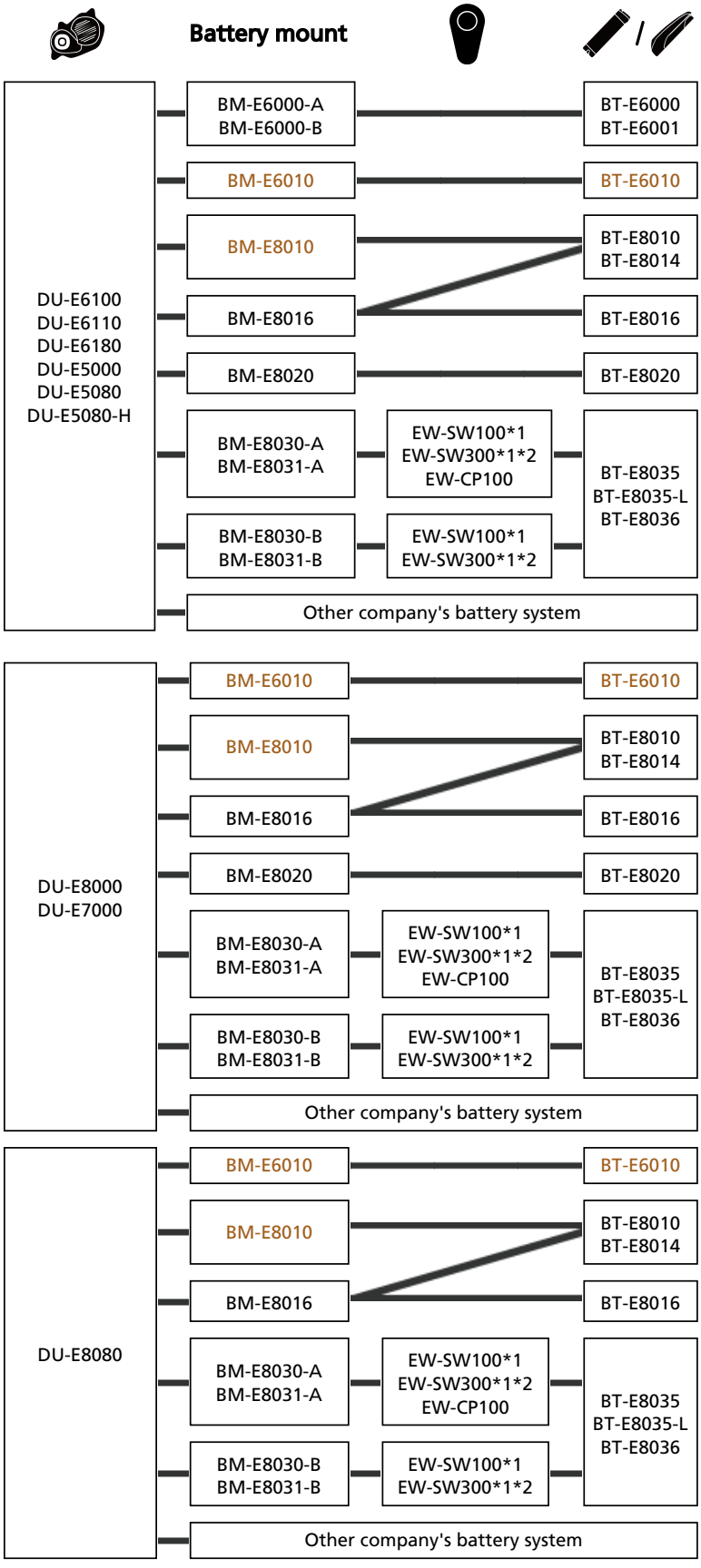
Limitation of function

*1 These batteries don't support over 500W drive unit power output

*2 Some of these batteries don't support over 500W drive unit power output

For 1st generation battery management system



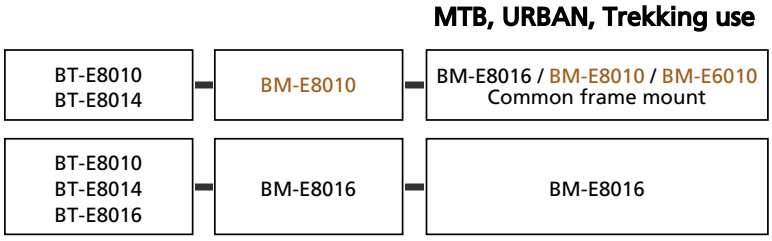


Limitation of function

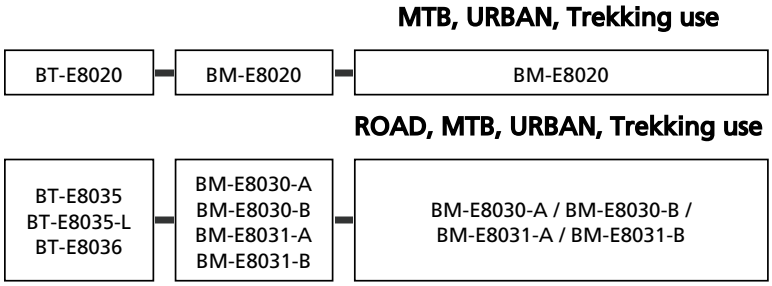
*1: Can't use with SC-E6010

*2: This unit has SD300 port, and needs EW-AD305 for connection to SD50 port unit.

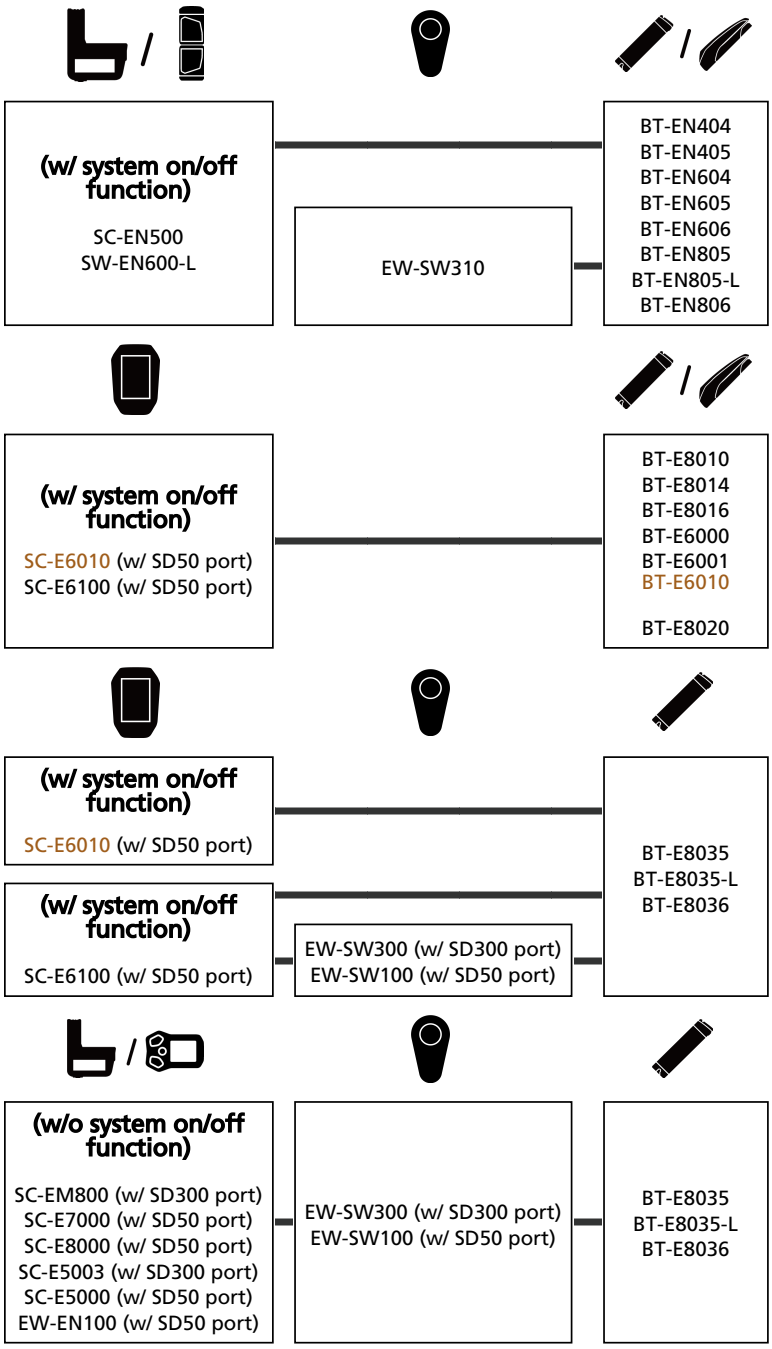
External frame mount type



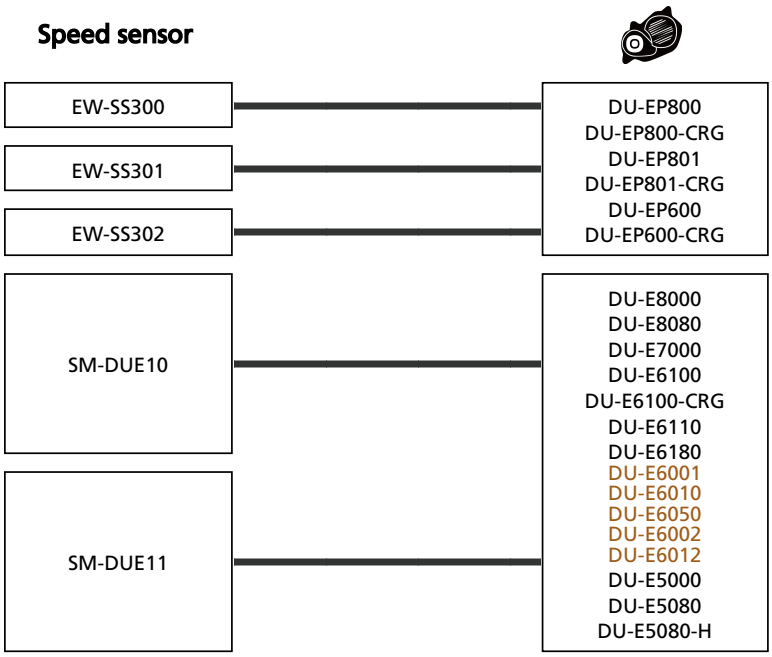
Built-in frame mount type



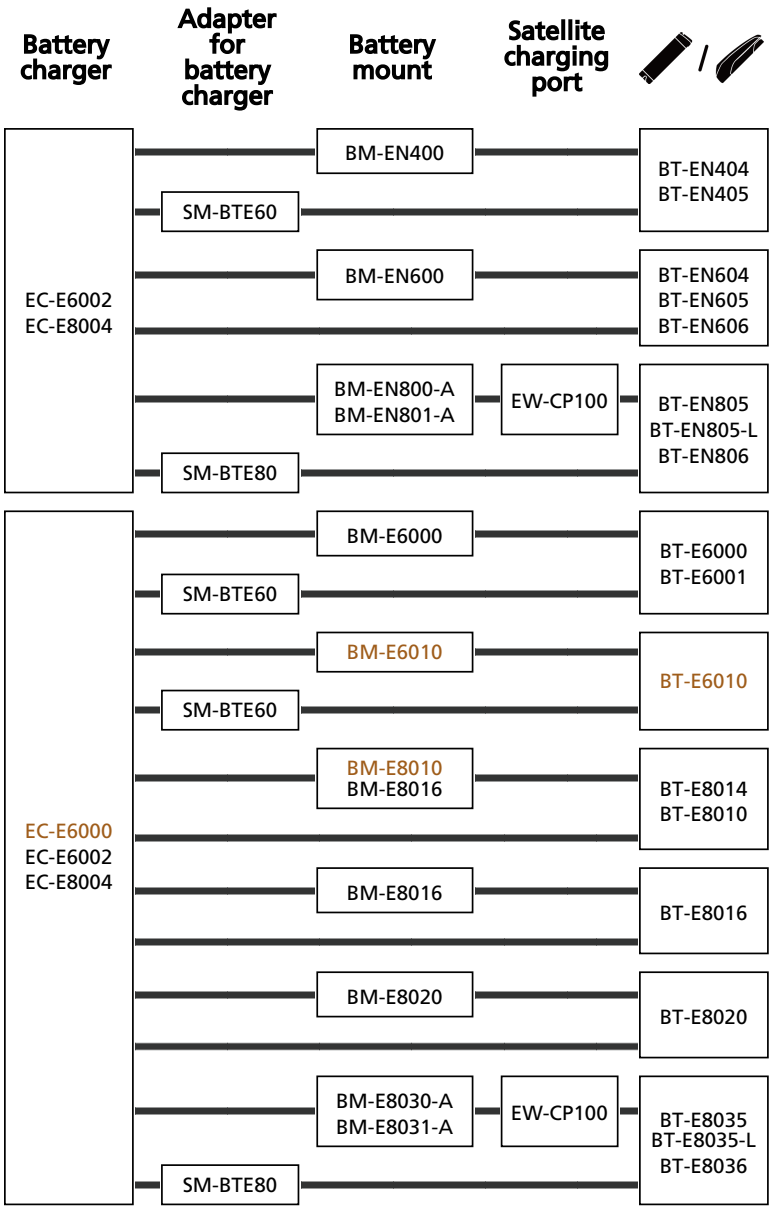
System on/off function compatibility



Speed sensor and drive unit compatibility

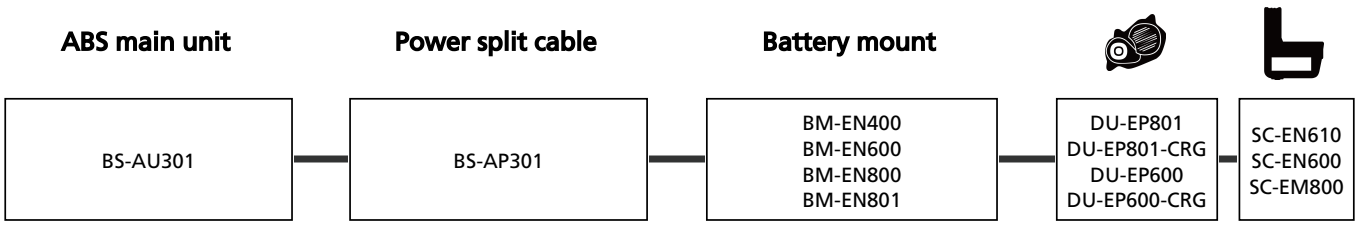


Battery and battery charger compatibility

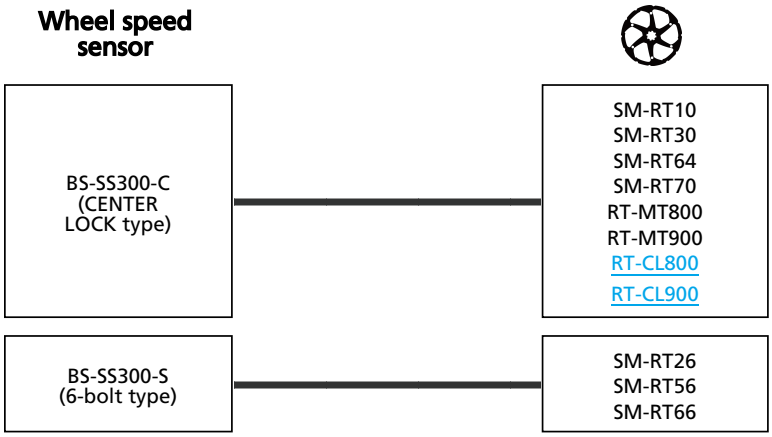


ABS compatibility

ABS main unit and drive unit compatibility



Wheel speed sensor and disc brake rotor compatibility

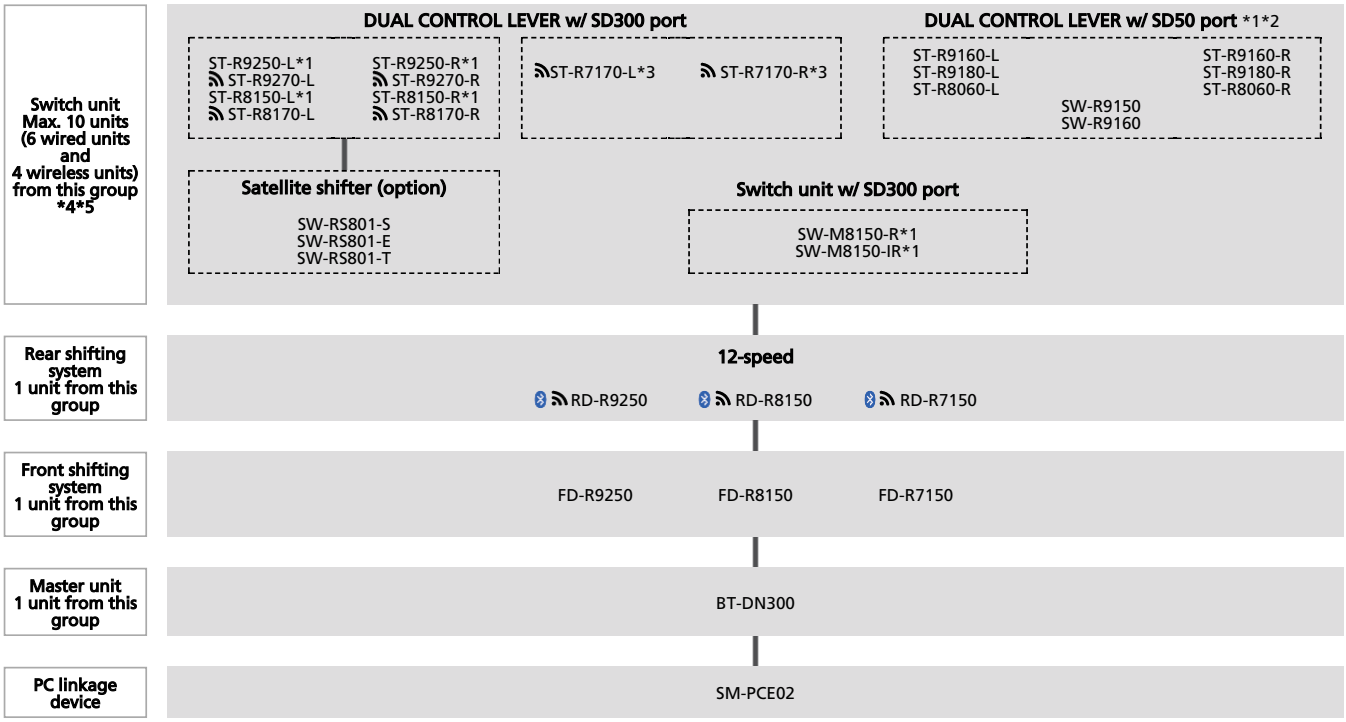


E-TUBE compatibility chart

C-473

Compatibility chart of E-TUBE PROJECT Cyclist/Professional v5.2.0

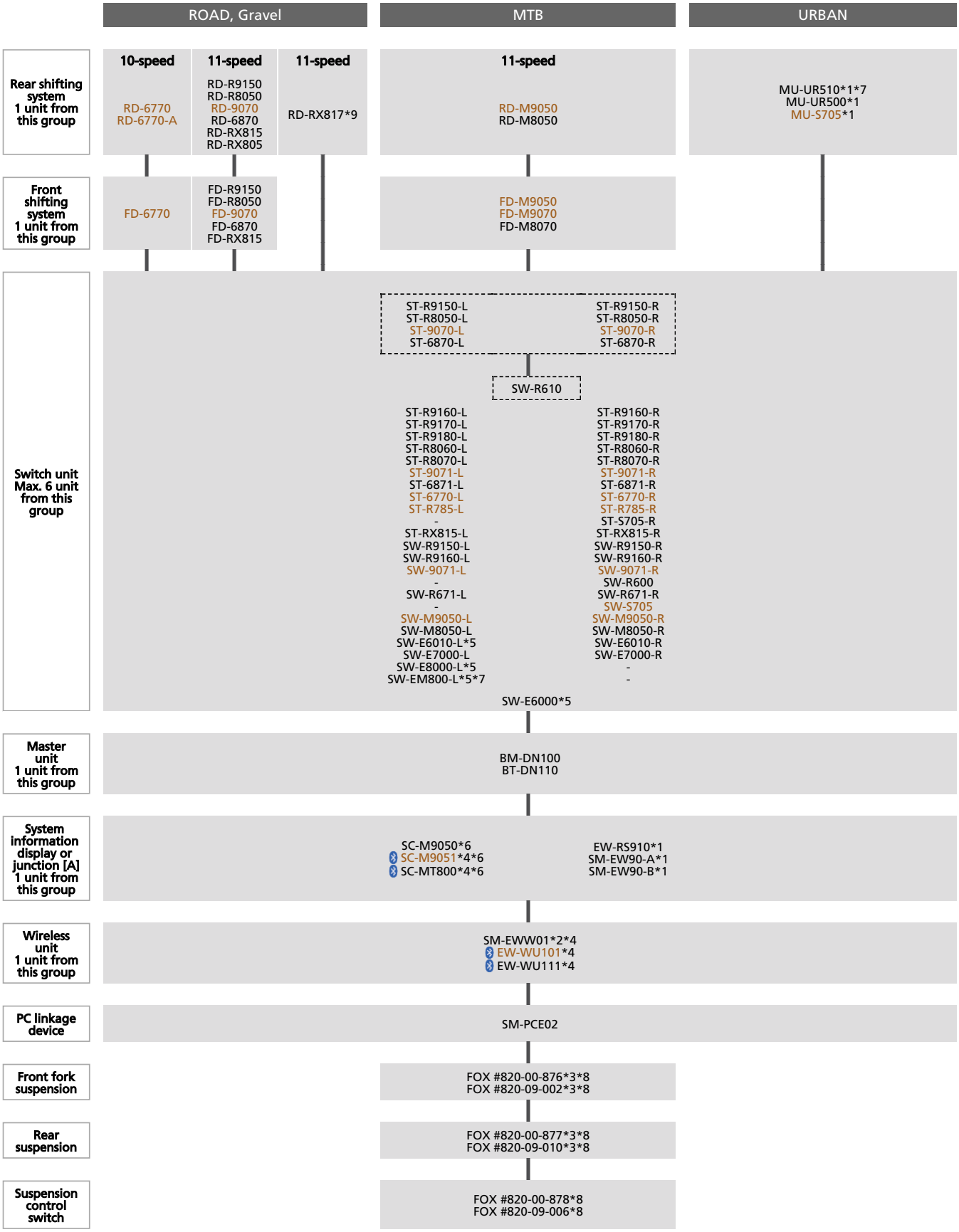
Di2 with BT-DN300



Limitation of function with BT-DN300

*1 Wired connection to BT-DN300 only
*2 EW-AD305 is needed
*3 Wireless connection only
*4 Wireless DUAL CONTROL LEVERs must be paired Right and Left (It's not allowed to choose two of right side units or 2 of left side units)
*5 There is no limitation to connect switch unit for right side or left side unit in case of it's wired connection

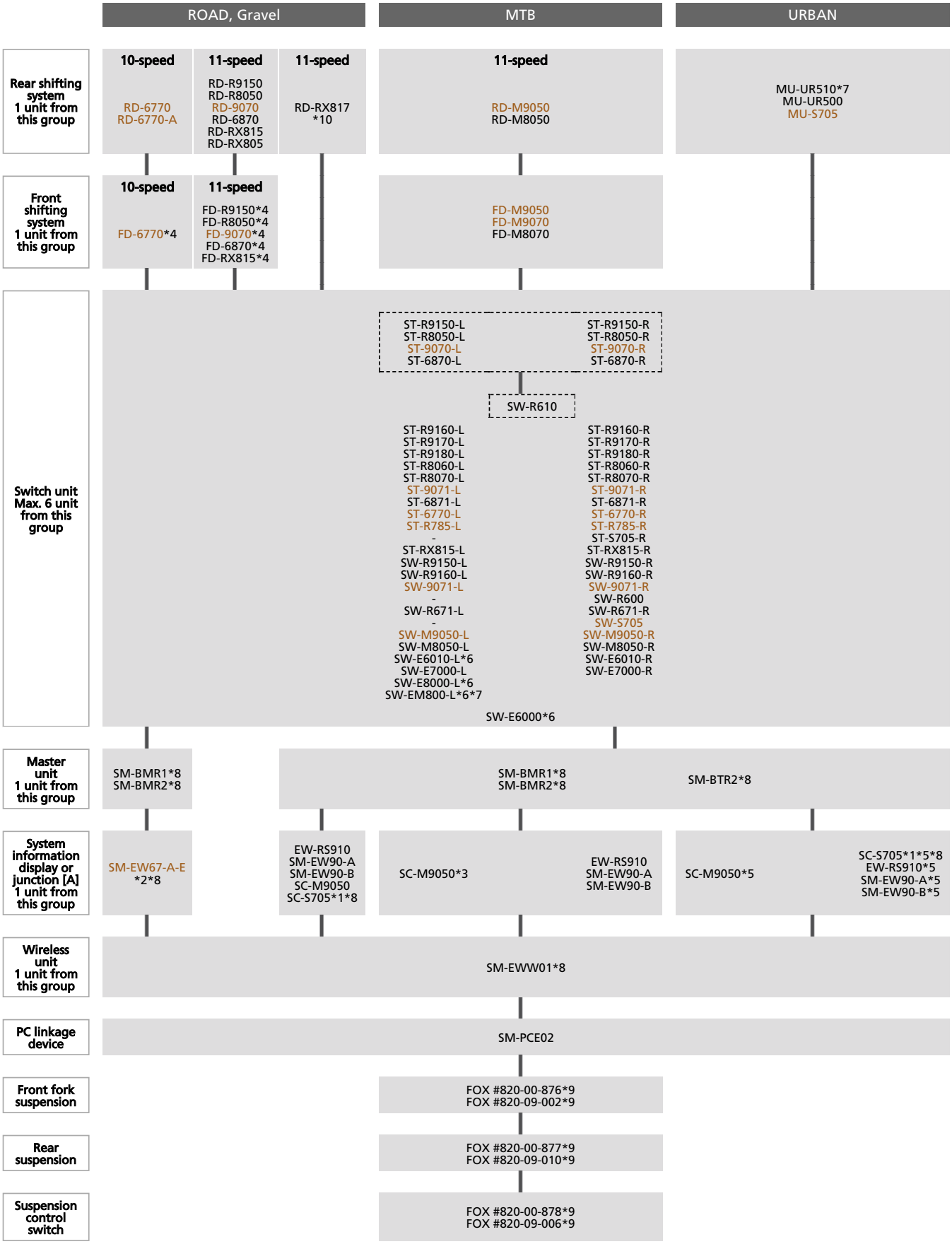
Di2 with BM-DN100 / BT-DN110



Limitation of function with BM-DN100 / BT-DN110

*1 Shifting adjustment mode for MU-S705, MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)
*2 Not supported by E-TUBE PROJECT Cyclist
*3 A designated control switch and/or the combination SW-M9050/SW-M8050-L with SC-M9050/SC-M9051/SC-MT800 is required to operate
*4 The system accepts just 1 unit with wireless chip (doesn't work if plural units with wireless chip are connected)
*5 Need to change switch setting by E-TUBE PROJECT
*6 SC-M9050, SC-M9051 or SC-MT800 is required for SYNCHRONIZED SHIFT in MTB category
*7 This unit has SD300 port, and needs EW-AD305 for connection
*8 Only supported by E-TUBE PROJECT Cyclist
*9 For front single models only. Cannot be used in combination with a front derailleur.

Di2 with SM-BMR1 / SM-BMR2 / SM-BTR2



Limitation of function with SM-BMR1 / SM-BMR2 / SM-BTR2

*1 SC-S705

- Front derailleur position will not appear on display.
- Recovery from Rear derailleur protection function is not available.
- Front / Rear derailleur adjustment mode is not available. Use E-TUBE PROJECT software.
- SC-S705 has only 1 SD50 port for ST / SW.
- SC-S705 may not turn on the display by front shift switch.

*2 SM-BCR2 requires any device which has charging port.
SM-EW67-A-E (Junction [A]) is not compatible with SM-BCR2 and SM-BTR2.

*3 SC-M9050 is required for SYNCHRONIZED SHIFT in case with MTB-type Rear Derailleur

*4 SYNCHRONIZED SHIFT is not available with Road-type Rear Derailleur

*5 Shifting adjustment mode for MU-S705 , MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)

*6 Need to change switch setting by E-TUBE PROJECT

*7 This unit has SD300 port, and needs EW-AD305 for connection

*8 Only supported by E-TUBE PROJECT Cyclist

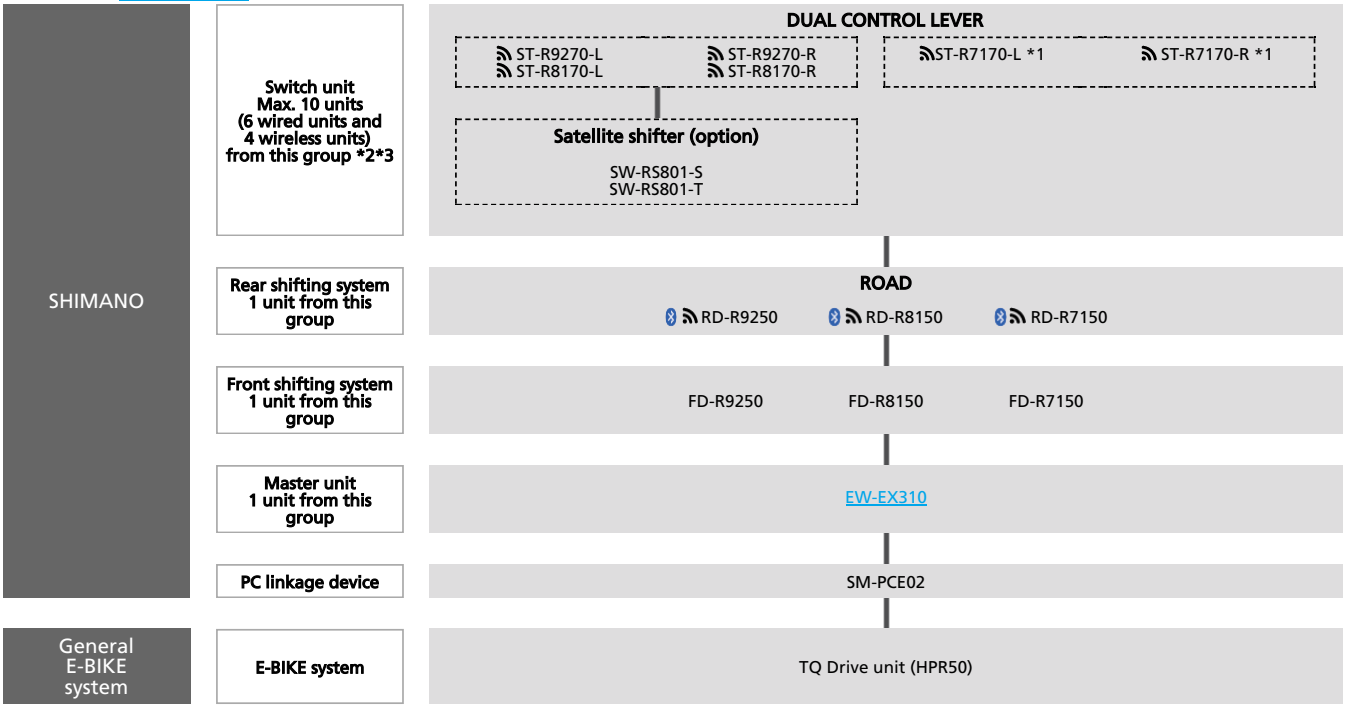
*9 Not supported by E-TUBE PROJECT Cyclist

*10 For front single models only. Cannot be used in combination with a front derailleur.

Compatibility chart of CAN adapter for Di2

Compatibility chart of E-TUBE PROJECT Professional v5.2.0

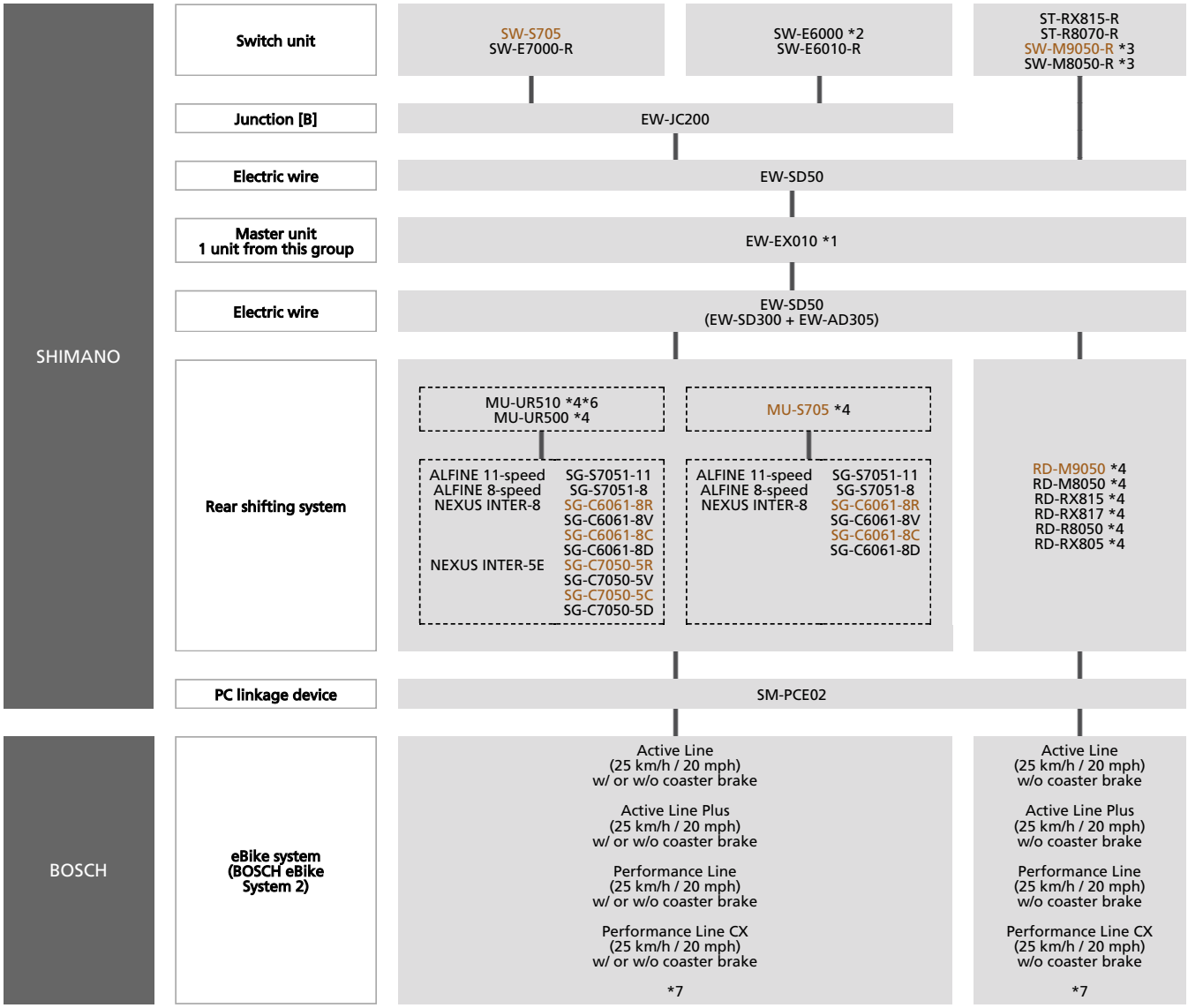
Di2 with EW-EX310



Limitation of function

*1 Wireless connection only
*2 Wireless DUAL CONTROL LEVERs must be paired Right and Left (It's not allowed to choose two of right side units or 2 of left side units)
*3 There is no limitation to connect switch unit for right side or left side unit in case of it's wired connection

Di2 with EW-EX010



Limitation of function

*1 EW-EX010 and BOSCH eBike system are connected by Y-harness which is provided by BOSCH
*2 Need to change switch setting by E-TUBE PROJECT.
*3 Cannot change manual shift to full automatic shift and its opposite.
*4 Full automatic shift is available only with internal geared hub by MU-S705 / MU-UR500 / MU-UR510. (Not available with rear derailleur)
*5 Compatible with 8-speed and 11-speed internal geared hub system only.
*6 This unit has SD300 port and needs EW-JC305 for connection with SD50 port unit.
*7 No compatibility with "Classic+ Line" and "Performance Line (45 km/h)"

Compatibility between Bracket and ID/SC

C-548

