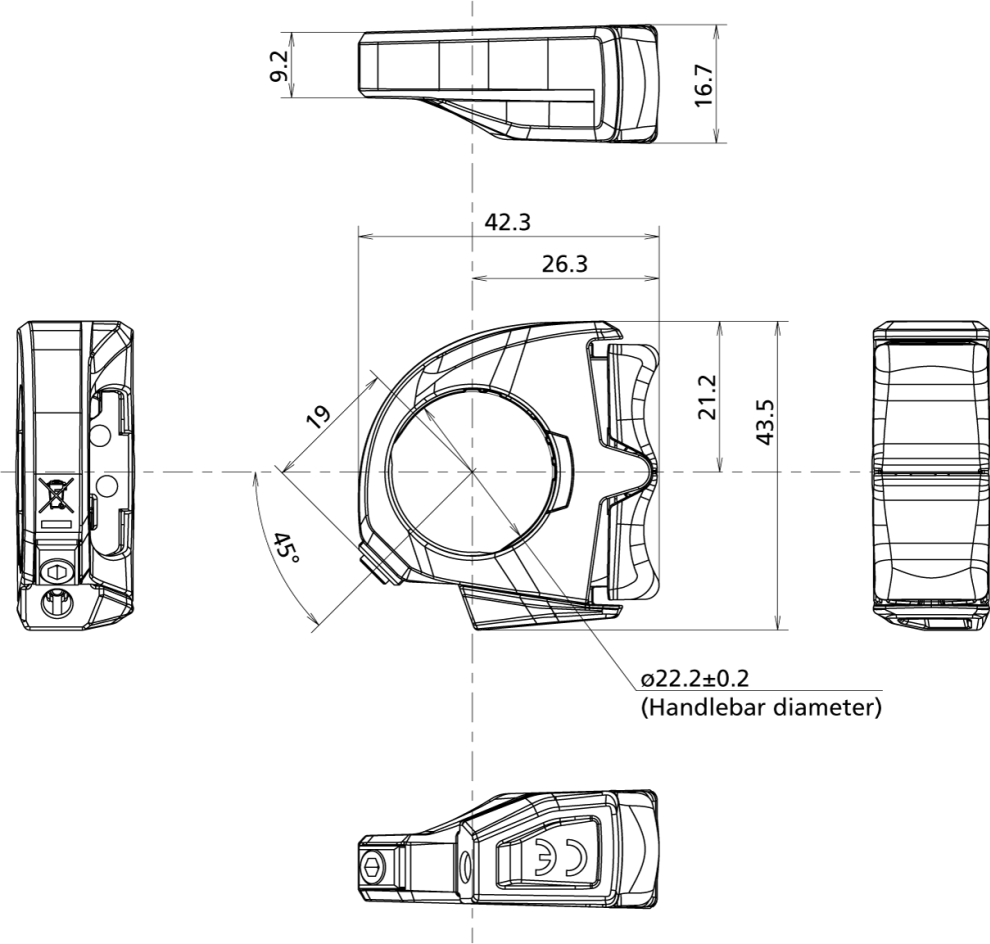
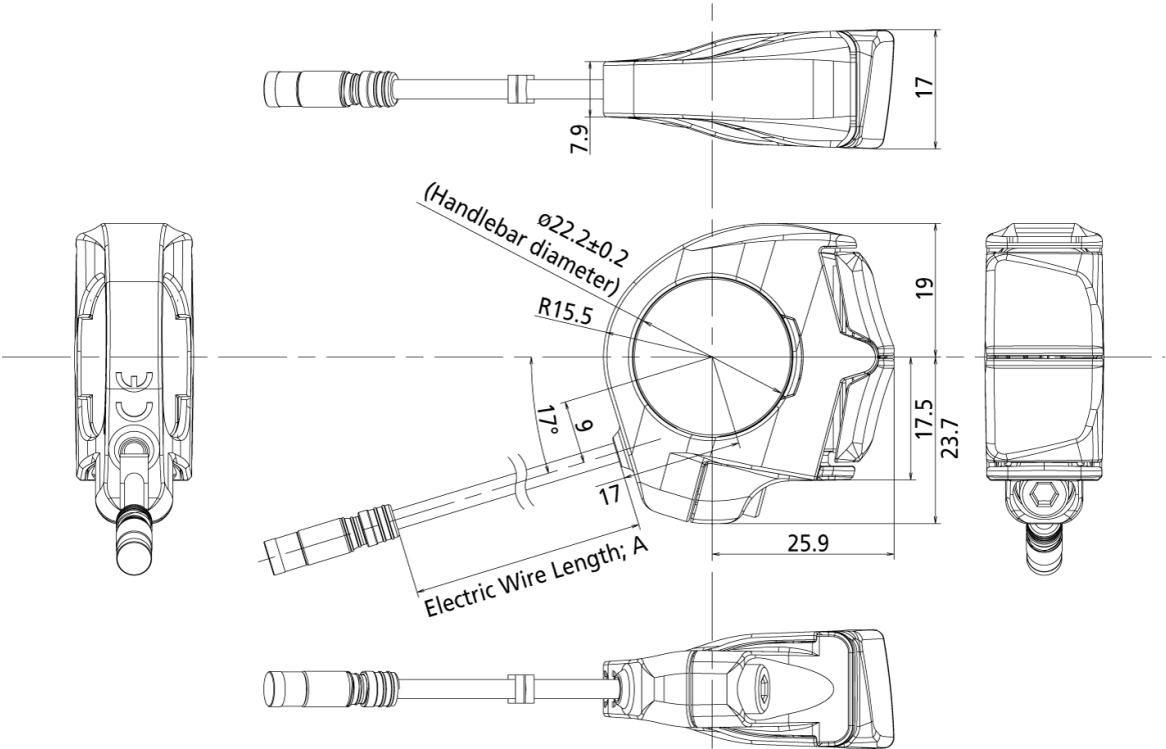


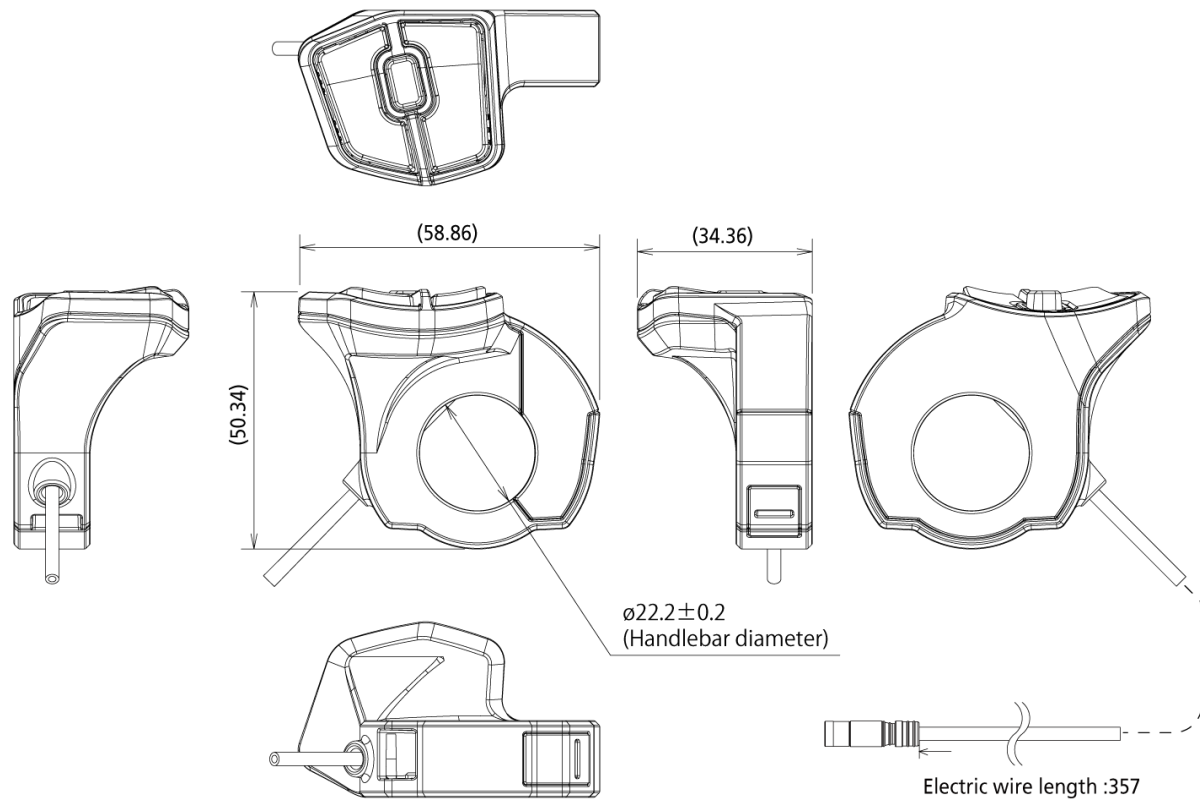


SW-E7000

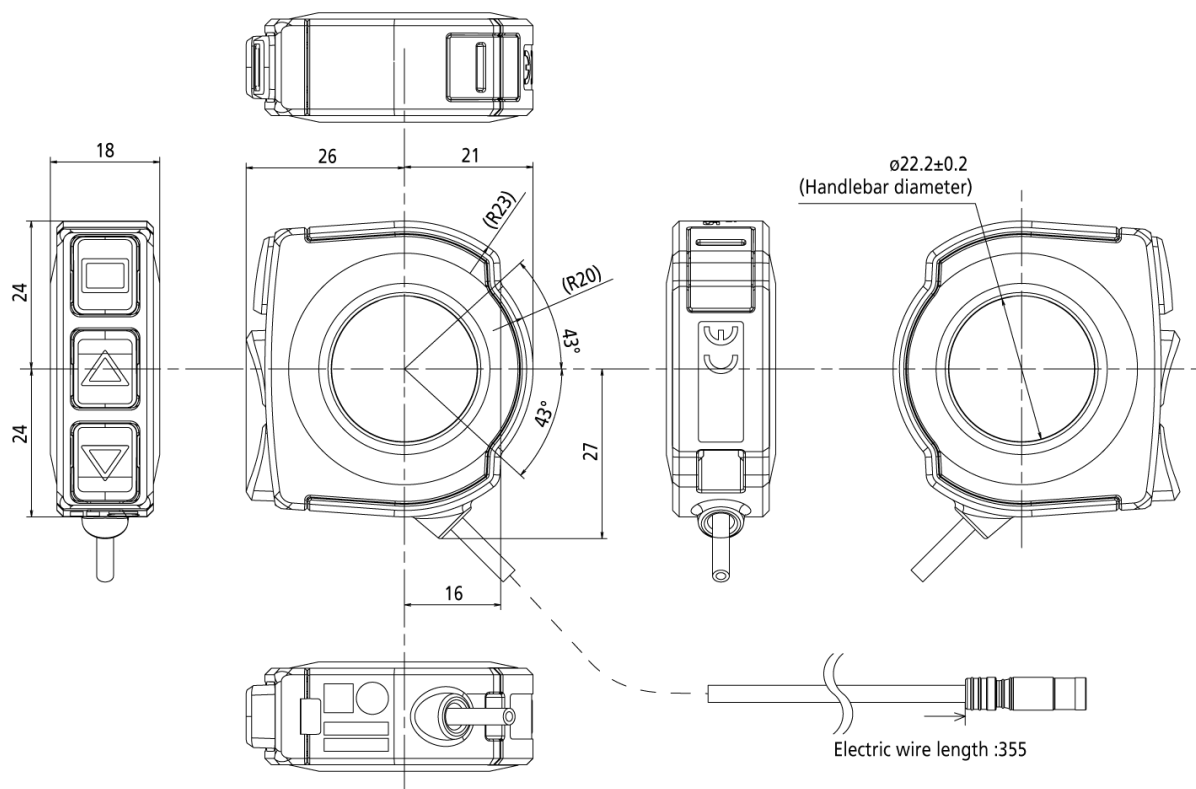


	Electric Wire Length; A		
SW-E7000-L	300 mm	400 mm	700 mm
SW-E7000-R	300 mm	700 mm	-

SW-E6010



SW-E6000



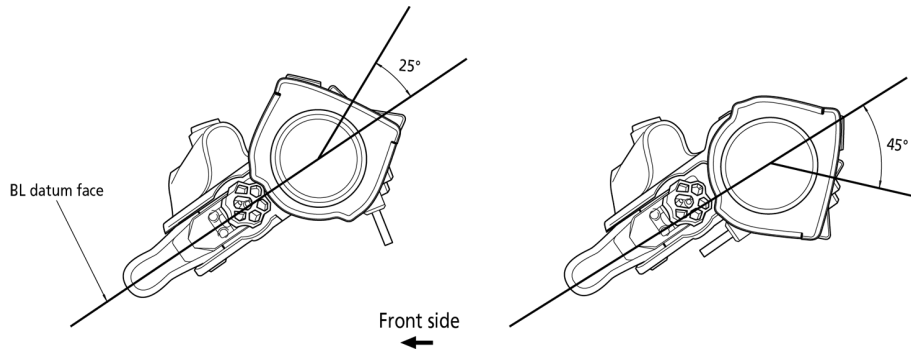
Mount angle

C-422

The switch unit can be mounted at a defined angle from the BL datum face as shown below.

SW-E6010 / SW-E6000 and compatible brake lever

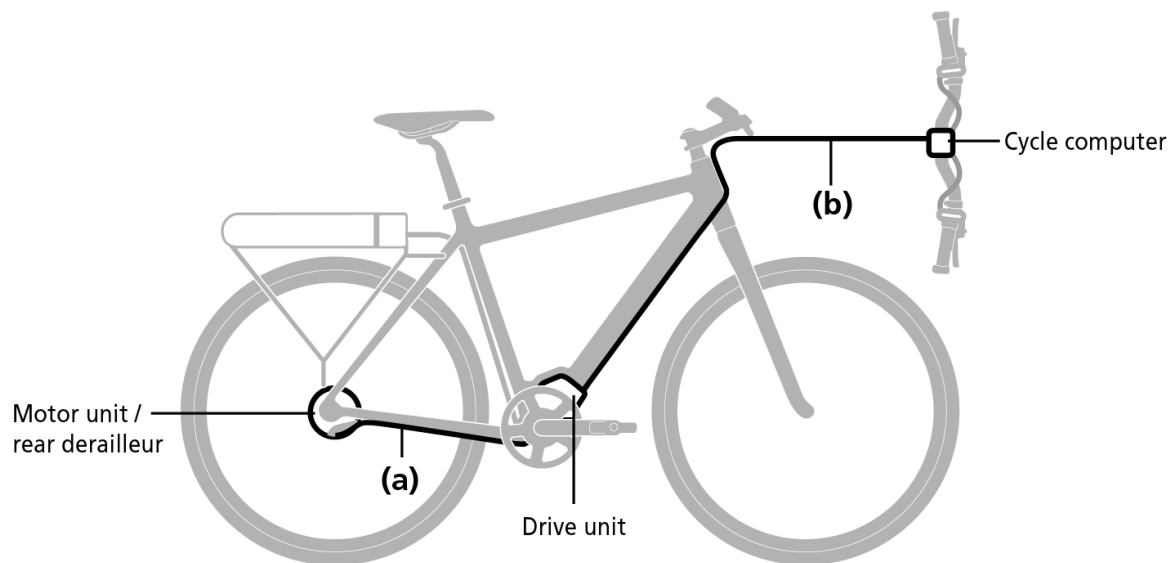
Refer to [C-421](#) for compatible brake lever.



Electric wire length

C-424

The limit of maximum length about electric wire routing (Electrical shifting)



Each cable's maximum length

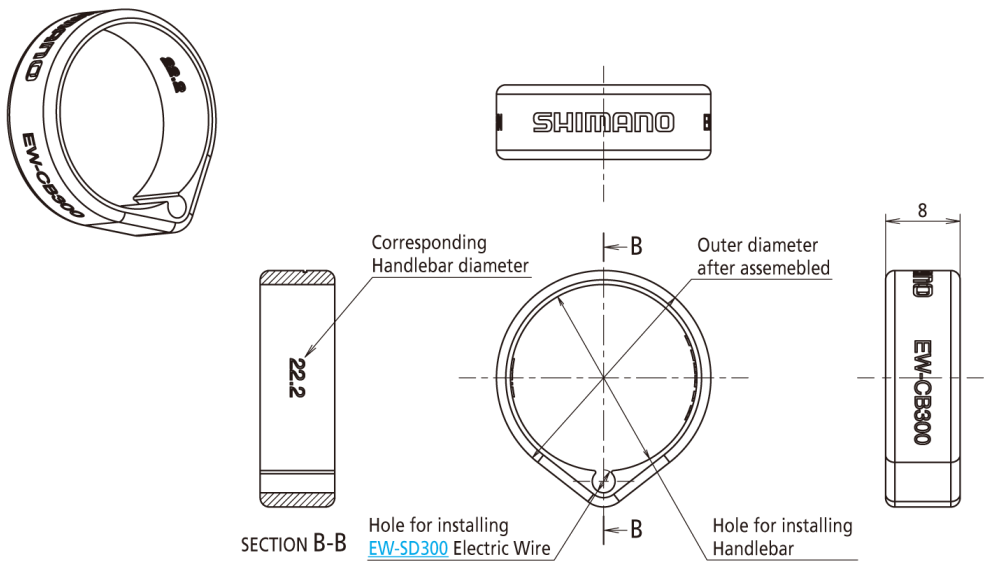
(a) $\leq 700\text{mm}$ between Motor unit and Drive unit

(b) $\leq 1600\text{mm}$ between Cycle computer and Drive unit

Cord band for Electric wire

C-550

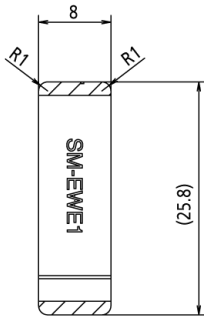
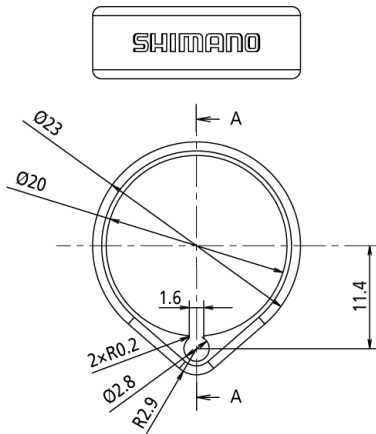
EW-CB300 (EW-SD300 compatible)



	Corresponding Handlebar diameter	Outer diameter after assembled
EW-CB300-S	22.0 - 22.4	≤ 26.0
EW-CB300-M	31.6 - 32.0	≤ 35.6
EW-CB300-L	34.8 - 35.2	≤ 38.8

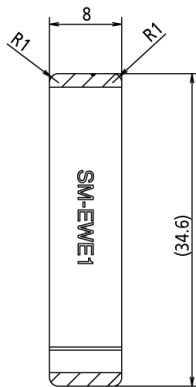
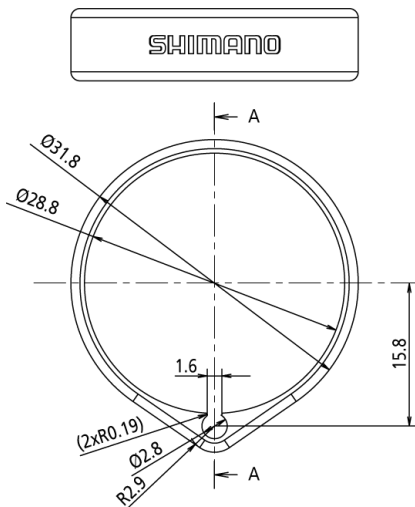
SM-EWE1 (EW-SD50 compatible)

CORD BAND A



SECTION A-A

CORD BAND B



SECTION A-A

Internal geared hub

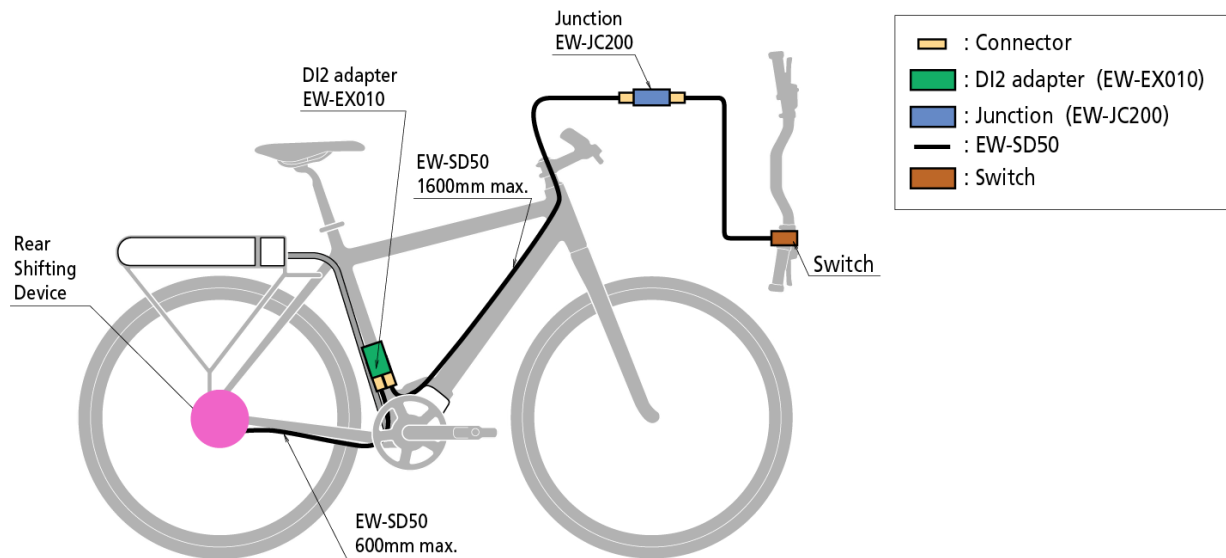
C-486

Please refer to [C-272](#)

DI2 adapter B for EW-EX010

C-427

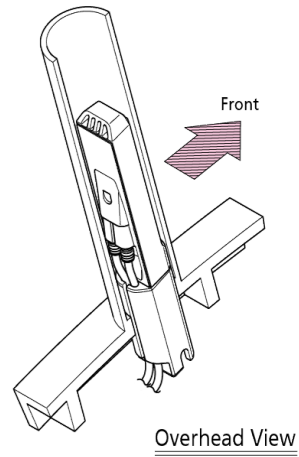
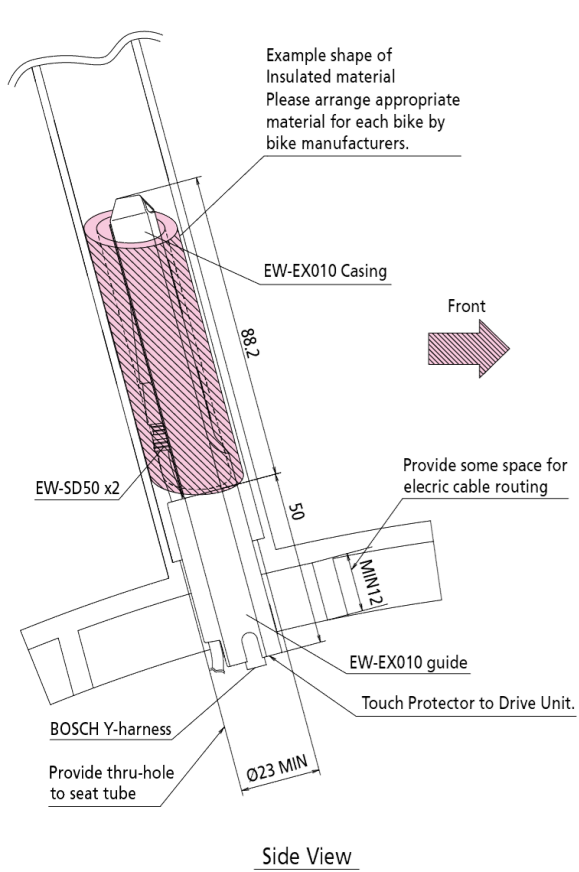
Cable routing of DI2 adapter B (BOSCH) C-428



NOTE

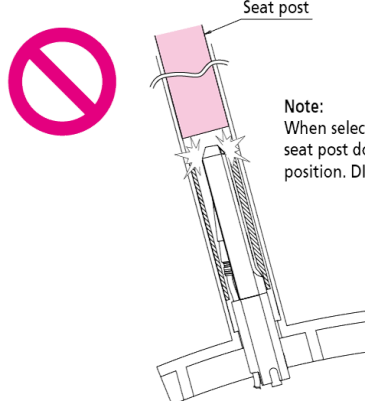
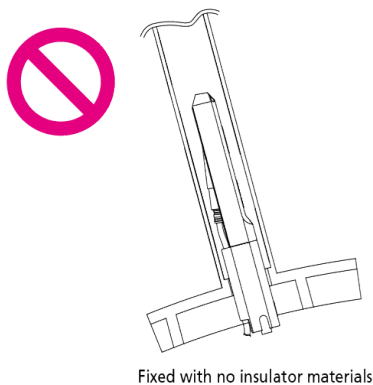
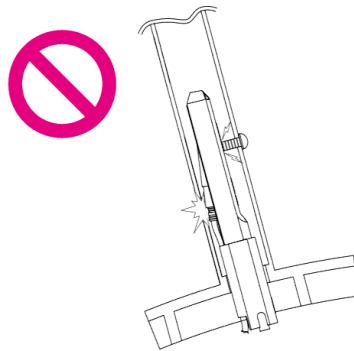
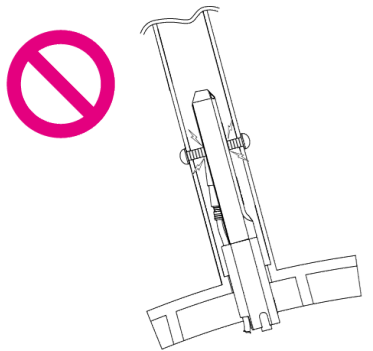
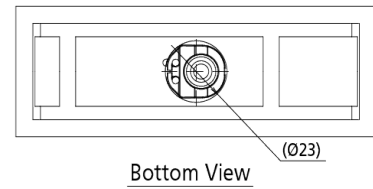
Refer to [C-429](#) "DI2 adapter compatibility" information.

Installation of EW-EX010 (DI2 adapter B) C-430



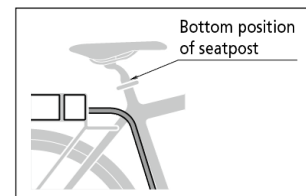
Note:

1. Please do not screw fixation by applying the casing.
2. Casing should be covered with insulator.
Shimano recommend; PORON TR-24 5.0t (size 80x125x5)
*In case of seat tube inner diameter :31.2
3. Please be careful of touching DI2 adaptor and seat post.
Shimano recommend adding mechanical stopper to avoid damage DI2 adaptor.
4. SHIMANO does not recommend to use glue to fix EW-EX010



Note:

When selecting seat post, please carefully check that the seat post does not hit DI2 adaptor in the bottom position. DI2 adaptor may be damaged.



Handling Countries of SHIMANO STEPS

C-585

Refer to "Handling Countries of SHIMANO STEPS" on top page of the SHIMANO PRODUCT WEBSITE.

Electrical Specifications for lights and accessory port

C-402



- [DU-EP800](#) (light/accessory selectable by OEM E-TUBE)
 - for light (switch ON/OFF is available from Cycle Computer)
 - Supply voltage: DC 13.5 V (± 1.0 V)
 - Supply current: max. 2000 mA
 - for accessory (always ON)
 - Supply voltage: DC 13.5 V (± 1.0 V)
 - Supply current: max. 2000 mA
- DU-E8000, DU-E8080
 - Supply voltage: DC 6 V (± 0.5 V)
 - Supply current: max. 2000 mA
- DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080
 - Supply voltage: DC 13.5 V (± 1.0 V)
 - Supply current: max. 2000 mA

Requirement for lights

- The total current consumption of the lights (front and rear lights inclusive) must be less than 2000 mA in the case of [DU-EP800](#), DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080
- Do not connect any drive unit with
 - any light which has a stand/parking light function
 - any light which doesn't meet EMC directive for CE marking
- Do not connect any light which has following peak current
 - [DU-EP800](#), DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080: 3 [A] (peak current)
- Refer to [C-487](#) "Electromagnetic compatibility" information.



Requirement for accessory ([DU-EP800](#))

- The total current of the accessory must be less than 2000 mA.
- Refer to [C-487](#) "Electromagnetic compatibility" information.

Electromagnetic compatibility

C-487

- European commission require to fulfill electromagnetic compatibility defined by 2014/30/EU on EN15194. It's a part of condition of CE marking on the products.
- EN15194 is requirement of complete assembled bicycle and bicycle supplier has responsible for it.
- Electromagnetic Compatibility on EPAC is affected by following conditions which need to be controlled by bicycle manufacture.
 - Frame design (shape, material, etc.)
 - Electric cable length, routing
 - Assembled electric components including lighting system
 - Etc.
- SHIMANO always try to supply a product with a larger margin about EMC to support bicycle manufacture.
However we do not guarantee compliance with EMC directives for complete bicycles.

Rear drivetrain compatibility [MTB]

C-433

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

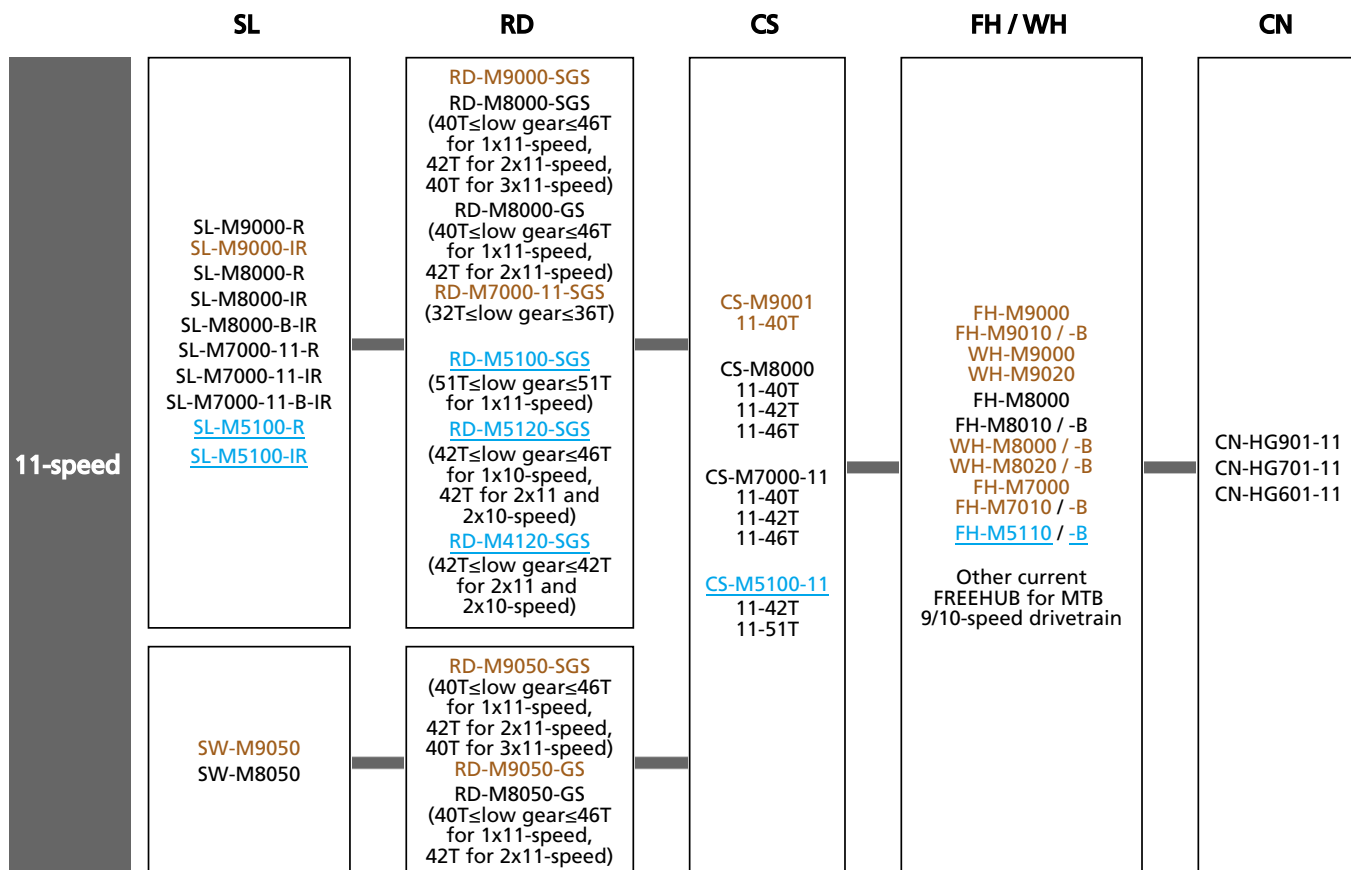
	SL	RD	CS	CN	FH / WH
MTB 9-speed	9-speed	9-speed	9-speed	HG 9-speed	
MTB 10-speed	MTB 10-speed	MTB 10-speed	10-speed	HG-X 10-speed	9-speed 10-speed 11-speed
MTB 11-speed	MTB 11-speed	MTB 11-speed	11-speed	HG-X11 11-speed	

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

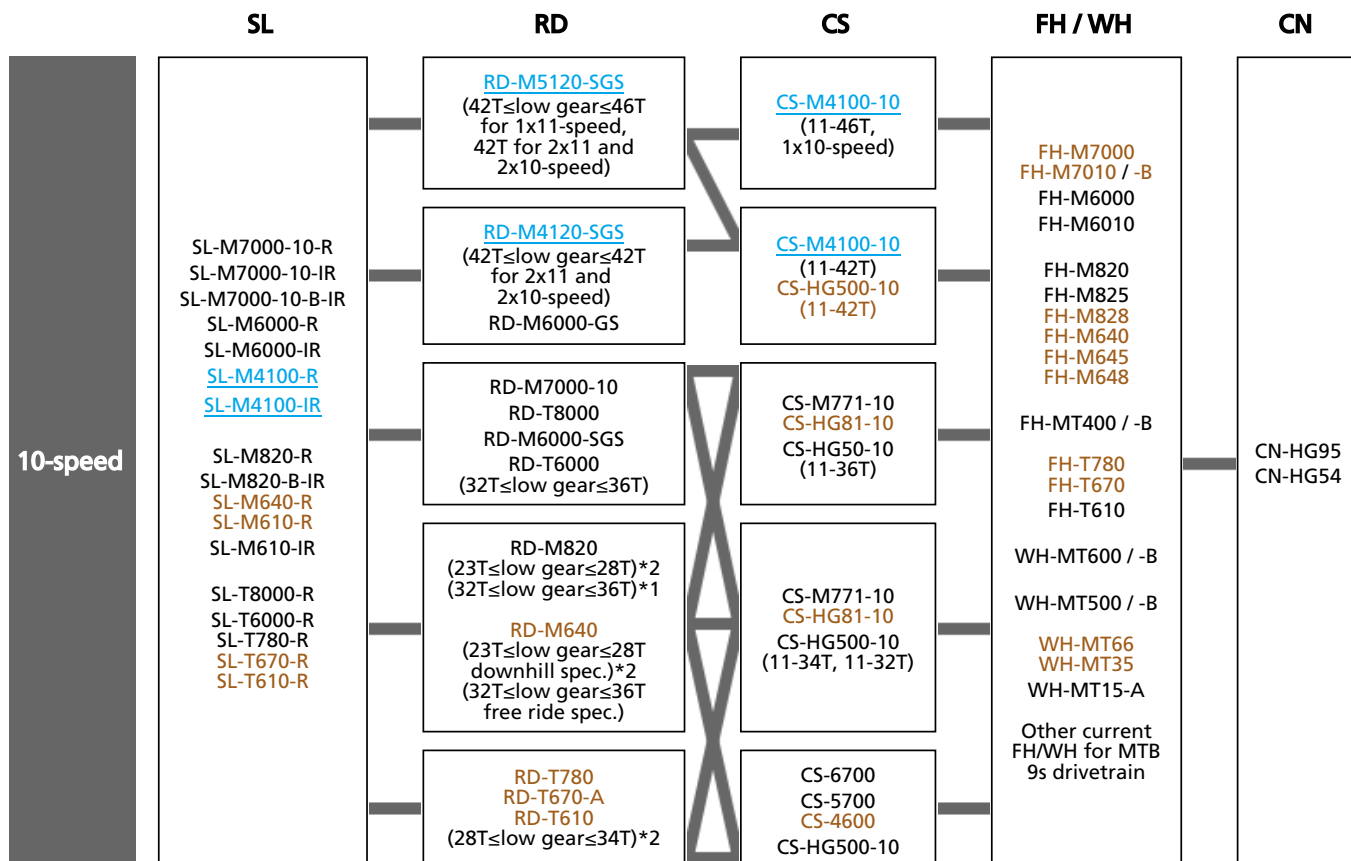
	SL	RD *	CS	FH / WH	CN
12-speed	SL-M9100-R SL-M9100-IR SL-M8100-R SL-M8100-IR SL-M7100-R SL-M7100-IR SL-M6100-R SL-M6100-IR	RD-M9100-SGS RD-M8100-SGS RD-M7100-SGS RD-M6100-SGS (1x12-speed) RD-M9100-GS RD-M9120-SGS RD-M8120-SGS RD-M7120-SGS (1x12-speed) RD-M9120-SGS RD-M8120-SGS RD-M7120-SGS (2x12-speed)	CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12 (10-51T) CS-M9100-12 CS-M8100-12 CS-M7100-12 (10-45T)	FH-M9111 / -B / -BS FH-M8110 / -B / -BS FH-M8130-B FH-M7110 / -B FH-M7130-B FH-MT901-B / -BS FH-MT500 / -B FH-MT510 / -B FH-MT401 / -B FH-MT410 / -B WH-M8100 WH-M8120 WH-MT620 WH-MT601 WH-MT501	CN-M9100 CN-M8100 CN-M7100 CN-M6100

* Method to adjust the end adjustment screw is different from conventional rear derailleurs. For details, refer to dealer's manual.

11-speed rear drivetrain [MTB] C-435



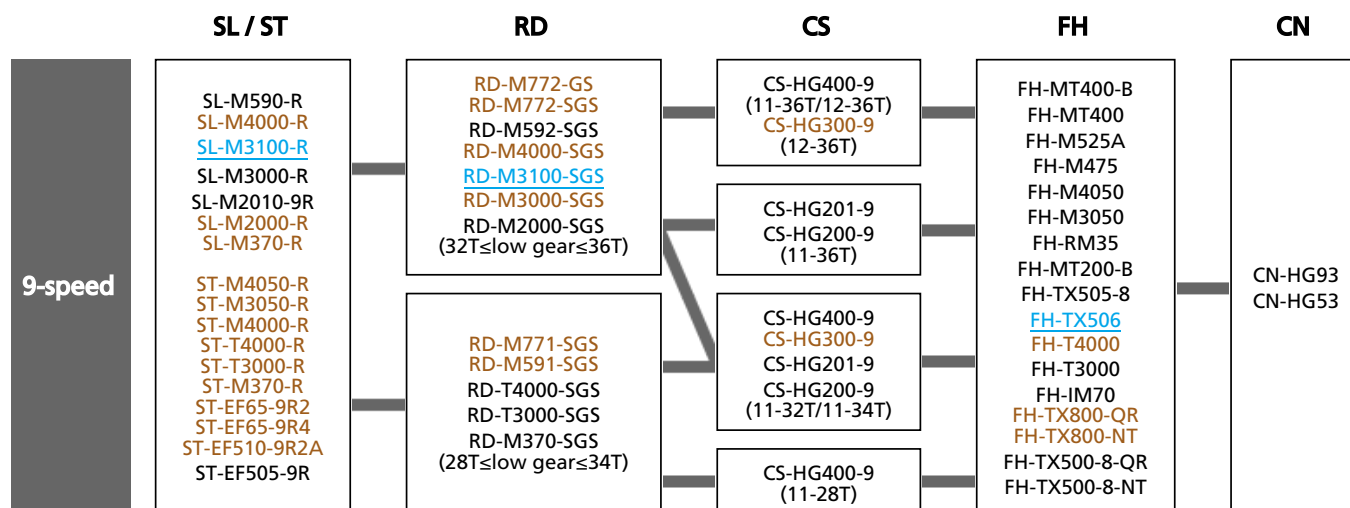
10-speed rear drivetrain [MTB] C-436



*1 Mode converter

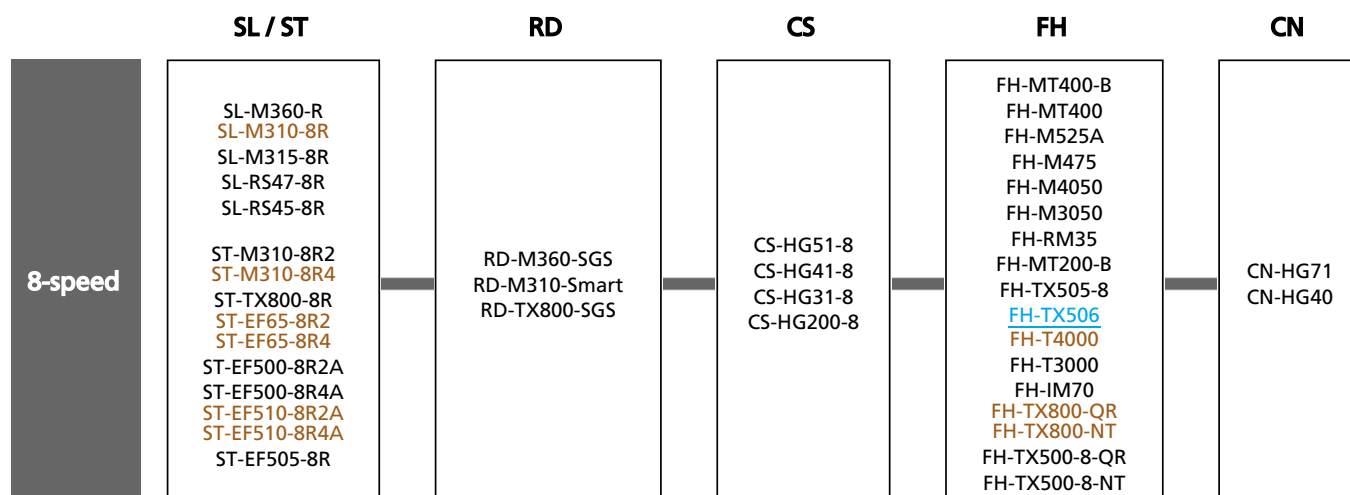
*2 Compatible with road Cassette sprocket

9-speed rear drivetrain [MTB] C-437

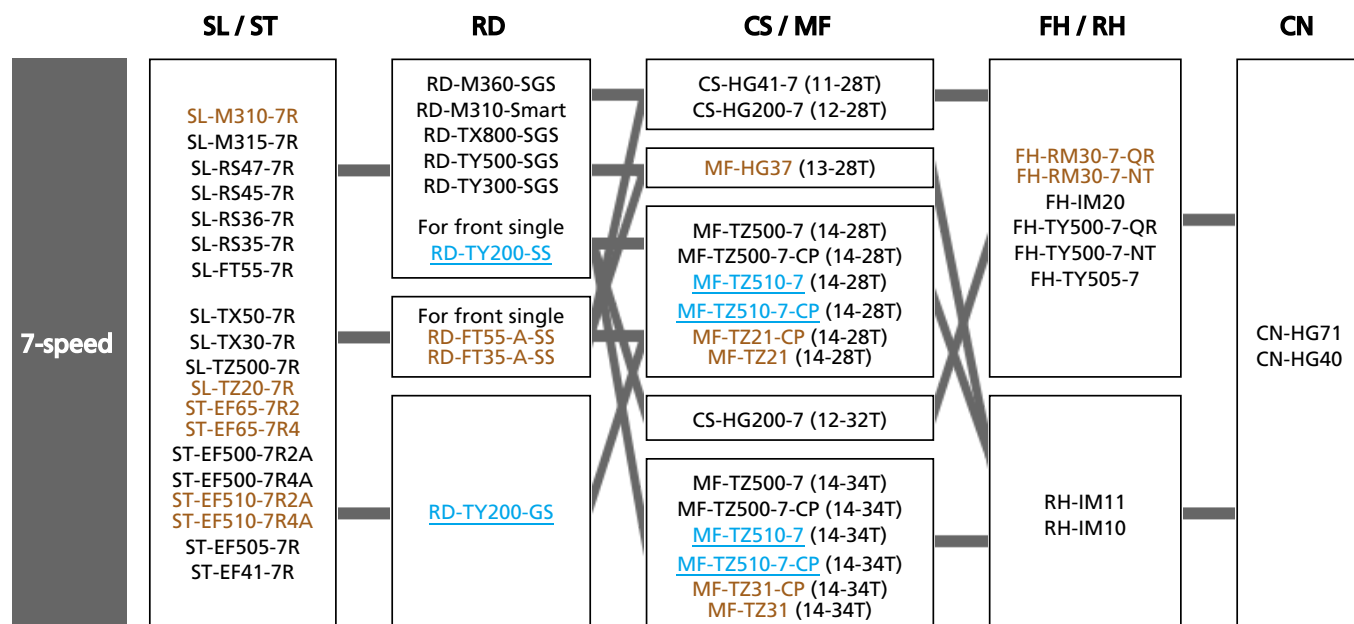


8-speed HG [MTB] C-438

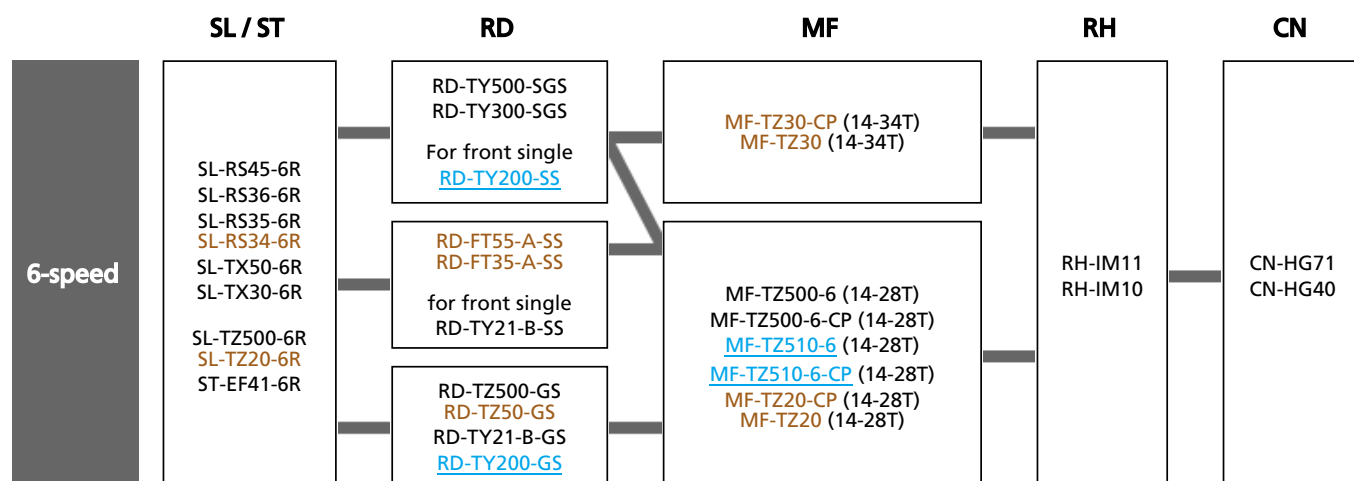
The rear derailleur for 8-speed can also be used for 7-speed drivetrain.



7-speed HG [MTB] C-439



6-speed HG and 6-speed [MTB] C-546

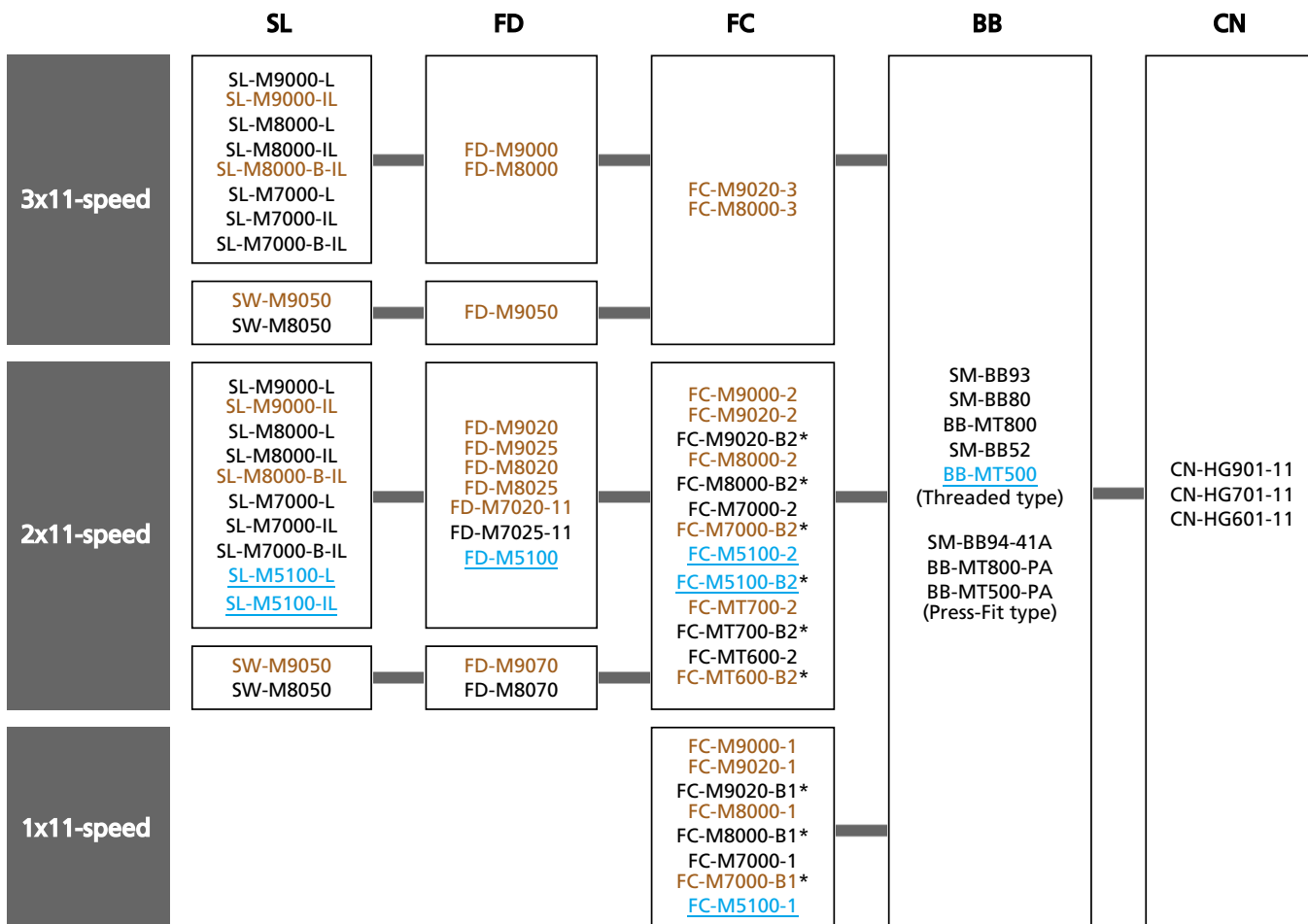


12-speed front drivetrain C-559



	SL	FD	FC	BB	CN
2x12-speed	SL-M9100-L SL-M9100-IL SL-M8100-L SL-M8100-IL SL-M7100-L SL-M7100-IL	FD-M9100 FD-M8100 FD-M7100	FC-M9100-2 FC-M8100-2 FC-M7100-2 FC-MT610-2 (for O.L.D. 142 mm) FC-M9120-B2 FC-M8120-B2 FC-M7120-B2 FC-MT610-B2 (for O.L.D. 148 mm)		
1x12-speed			FC-M9100-1 FC-M9120-1 FC-M8100-1 FC-M7100-1 FC-M6100-1 FC-MT900-1 FC-MT610 FC-MT510-1 (for O.L.D. 142, 148 mm) FC-M8120-1 FC-M7120-1 FC-M6120-1 (for O.L.D. 148 mm) FC-M9130-1 FC-M8130-1 FC-M7130-1 (for O.L.D. 157 mm)	SM-BB93 SM-BB80 BB-MT800 SM-BB52 BB-MT500 (Threaded type) SM-BB94-41A BB-MT800-PA BB-MT500-PA (Press-Fit type)	CN-M9100 CN-M8100 CN-M7100 CN-M6100-12

11-speed front drivetrain C-441

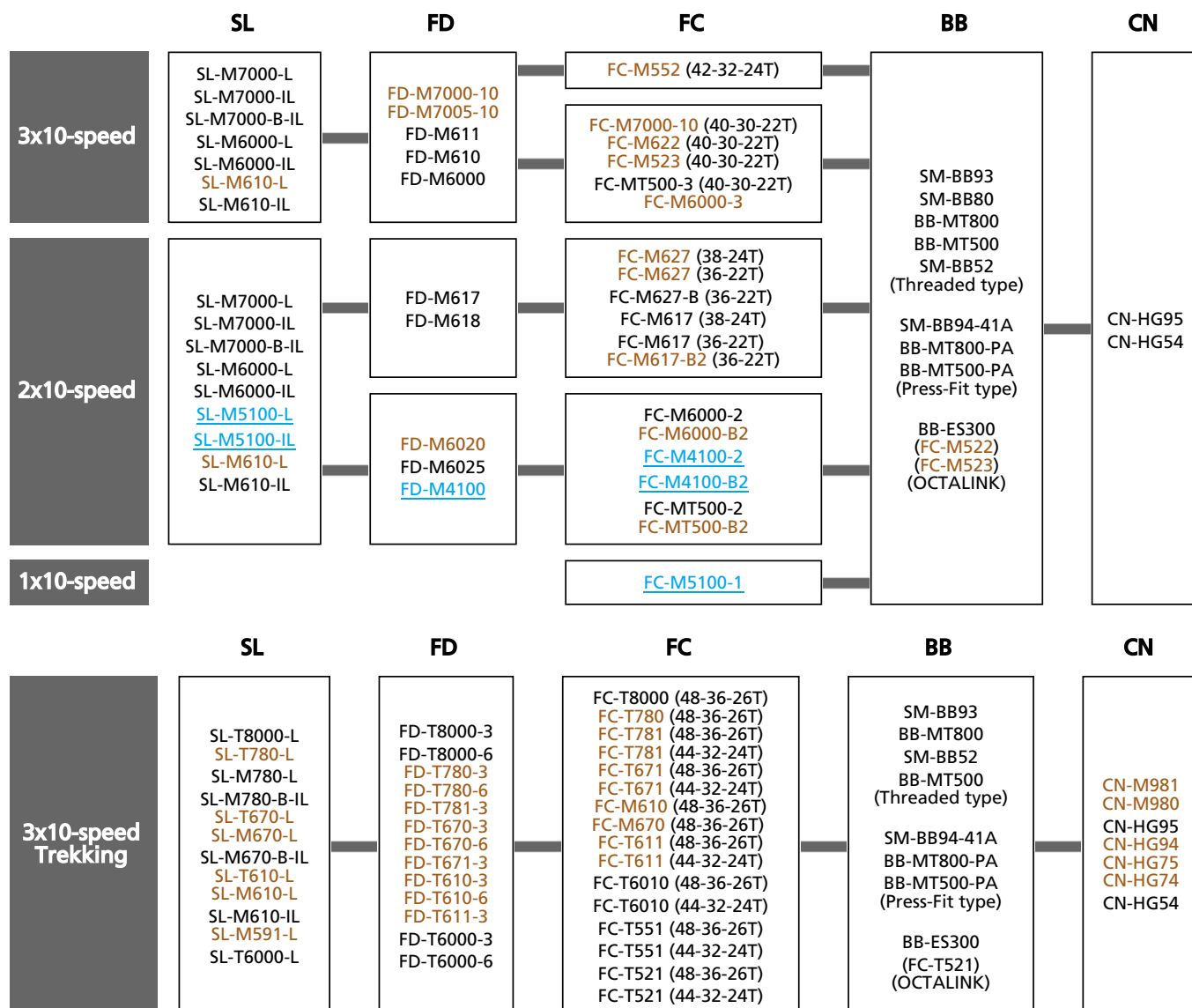


NOTE

* Please refer to technical information of crankset dimension which is 3 mm outboard spec. [C-119,C-120]

* It also requires new dimension of frame which cassette position is 3 mm outboard

10-speed front drivetrain [MTB] C-442

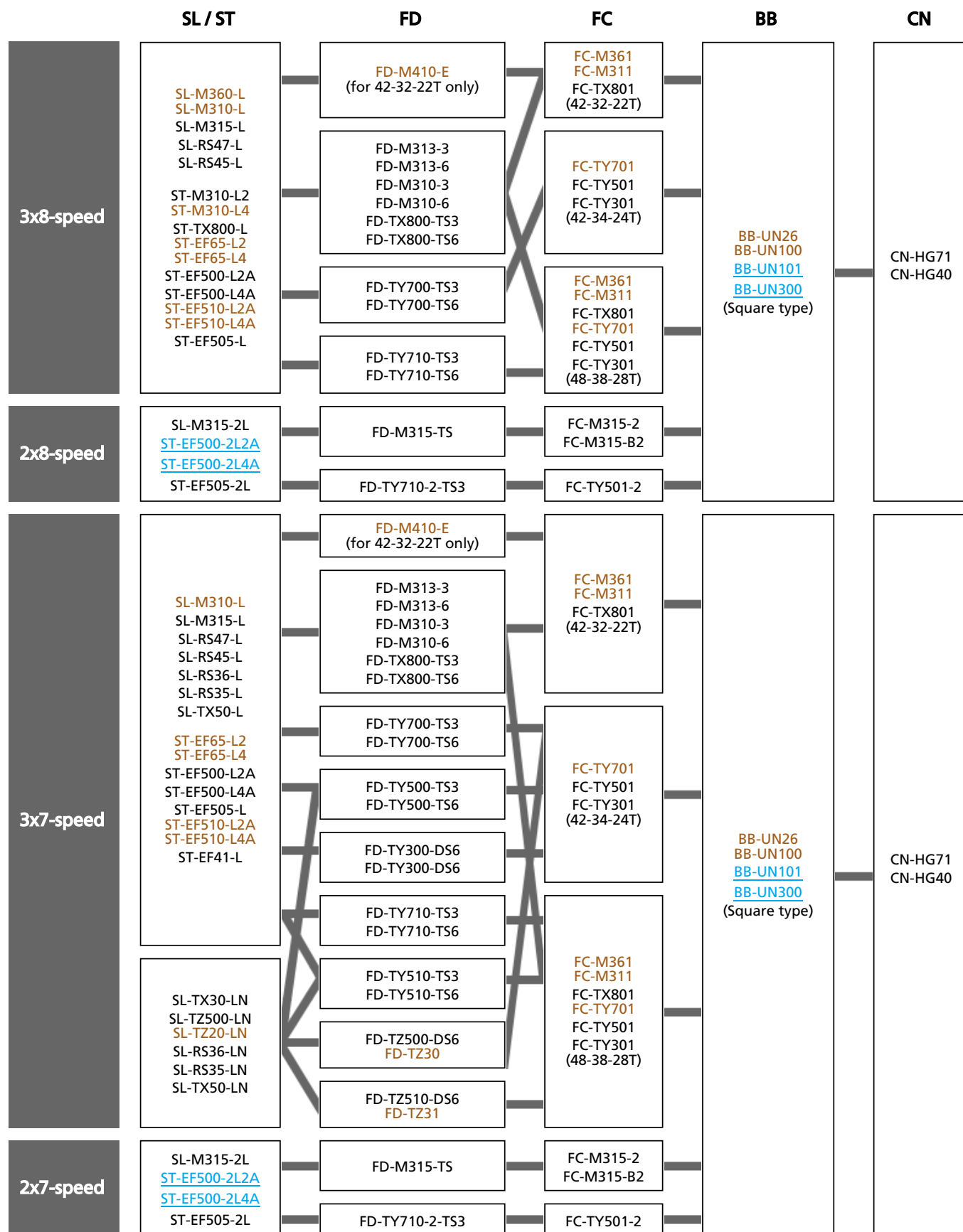


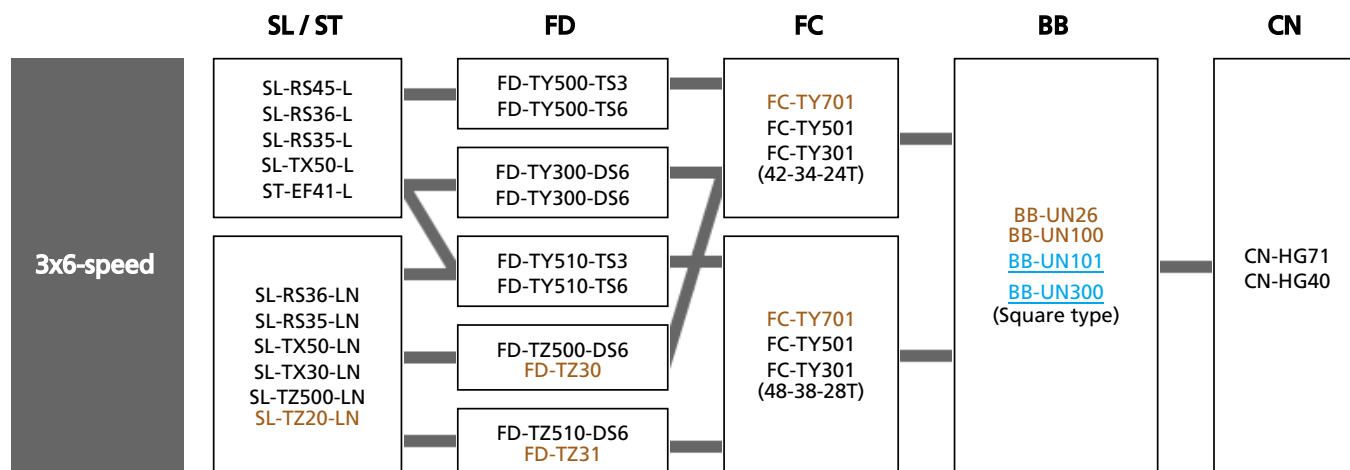
9-speed FC-FD compatibility [MTB] C-445



	SL / ST	FD	FC	BB	CN
3x9-speed	SL-M590-L SL-M4000-L SL-M3100-L SL-M3000-L SL-M2010-L SL-M2000-L SL-M370-L ST-M4050-L ST-M3050-L ST-M4000-L ST-T4000-L ST-T3000-L ST-M370-L ST-EF65-L2 ST-EF65-L4 ST-EF510-L2A ST-EF500-L2A ST-EF500-L4A ST-EF505-L	FD-M660-E FD-M661-D (for 44-32-22T only)	FC-MT300 FC-MT210-3 (44-32-22T only) FC-M590 FC-M591 FC-T4060 (44-32-22T / 48-36-26T) FC-M4060 (48-36-26T only)	SM-BB52 BB-MT500 (Threaded type) BB-MT500-PA (Press-Fit type)	CN-HG93 CN-HG53
		FD-T4000-TS3 FD-T4000-TS6 FD-T4000-DS3 FD-T3000-TS3 FD-T3000-TS6 FD-M370-3 FD-M370-6 FD-M371-3 FD-M371-6	FC-T4010 FC-T3010-8 (44-32-22T / 48-36-26T)	BB-ES300 (OCTALINK)	
		FD-M4000-TS3 FD-M4000-TS6 FD-M4000-DS3 FD-M4000-DS6 FD-M4000-M FD-M3100-M FD-M3000-TS3 FD-M3000-TS6 FD-M2000-TS3 FD-M2000-TS6 FD-M2000-DS3 FD-M2000-DS6	FC-T3010 FC-M371 (44-32-22T / 48-36-26T) FC-MT101 (44-32-22T only) FC-M351 (44-32-22T only)	BB-UN55 BB-UN26 BB-UN100 BB-UN101 BB-UN300 (Square type)	
			FC-M4050 FC-MT300 FC-MT210-3 FC-MT101 (40-30-22T only)		
			FC-M4000 FC-M3000-8 (40-30-22T)		
			FC-M3000 (40-30-22T)	BB-UN55 BB-UN26 BB-UN300 (Square type)	
FC-M2000 FC-MT100 (40-30-22T)					
2x9-speed	SL-M4010-L SL-M3100-2L SL-M3010-L SL-M2010-2L ST-EF505-2L	FD-M4020-D FD-M4020-E FD-M4020-M FD-M3120-M FD-M2020-TS	FC-MT210-2 (36-22T)	SM-BB52 BB-MT500 (Threaded type)	
		FD-T3000-2-TS3	FC-MT210-2 (46-30T)	BB-MT500-PA (Press-Fit type)	
		FD-M4020-D FD-M4020-E FD-M4020-M-B FD-M3120-D FD-M3120-E FD-M3120-M-B FD-M2020-TS	FC-M4050-B2 FC-MT210-B2	BB-UN55 BB-UN26 BB-UN300 (Square type)	
			FC-M3000-B2		

8,7,6-speed triple FC-FD compatibility [MTB] C-446





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.

$$\begin{aligned} & \text{FC (top gear) - (low gear)} \leq \text{FD (top and low capacity)} \\ & \text{FC (top gear) - (middle gear)} = \text{FD (allowance of difference in teeth number between top and middle)} \end{aligned}$$

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	47.5		50.0
	FD-TZ510-DS6 FD-TZ500-DS6 FD-TZ31 FD-TZ30	47.5		-

Crankset, bottom bracket and chain line [MTB]

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] C-450

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
			OCTALINK	Square	Chain case								
10	SHIMANO	FC-M523	✓	—	—	BB-ES300	—	118	—	—	—	—	
		FC-M522	✓	—	—	BB-ES300	—	113	—	—	—	—	
9	SHIMANO	FC-M521	✓	—	✓*	BB-ES300-AK	—	**	—	—	—	—	
	ALIVIO	FC-M4000	✓	—	—	BB-ES300	—	118	—	—	—	—	
		FC-T4010	✓	—	✓*	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	✓	-	✓*	BB-ES300(-K)	—	126(-K)	—	—	—	—	
		FC-T3010	—	✓	✓*	BB-UN26(-K) BB-UN300(-K)	—	LL123(-K)	—	—	—	—	
	ALTUS	FC-M2000	—	✓	—	BB-UN26 BB-UN300 BB-UN100 BB-UN101	—	LL123(-K)	—	—	—	—	
	SHIMANO	FC-MT100	—	✓	—	BB-UN26 BB-UN300 BB-UN100 BB-UN101	—	LL123	—	—	—	—	
		FC-M371	—	✓	✓*	BB-UN26(-K) BB-UN300(-K)	—	LL123(-K)	—	—	—	—	
		FC-M351											
8, 7	ACERA ALTUS	FC-M361 FC-M311	—	✓	✓*	BB-UN26(-K) BB-UN300(-K)	—	LL123(-K)	—	—	—	—	
	TOURNEY	FC-TX801	—	✓	✓*	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	—	
	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)	—	—	

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

**: 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.

Drivetrain for ROAD, Gravel/Adventure, URBAN (METREA) components

C-453

Rear drivetrain compatibility

C-454



2x11-speed

DURA-ACE
R9100 series
9000 series

ULTEGRA
R8000 series
6800 series

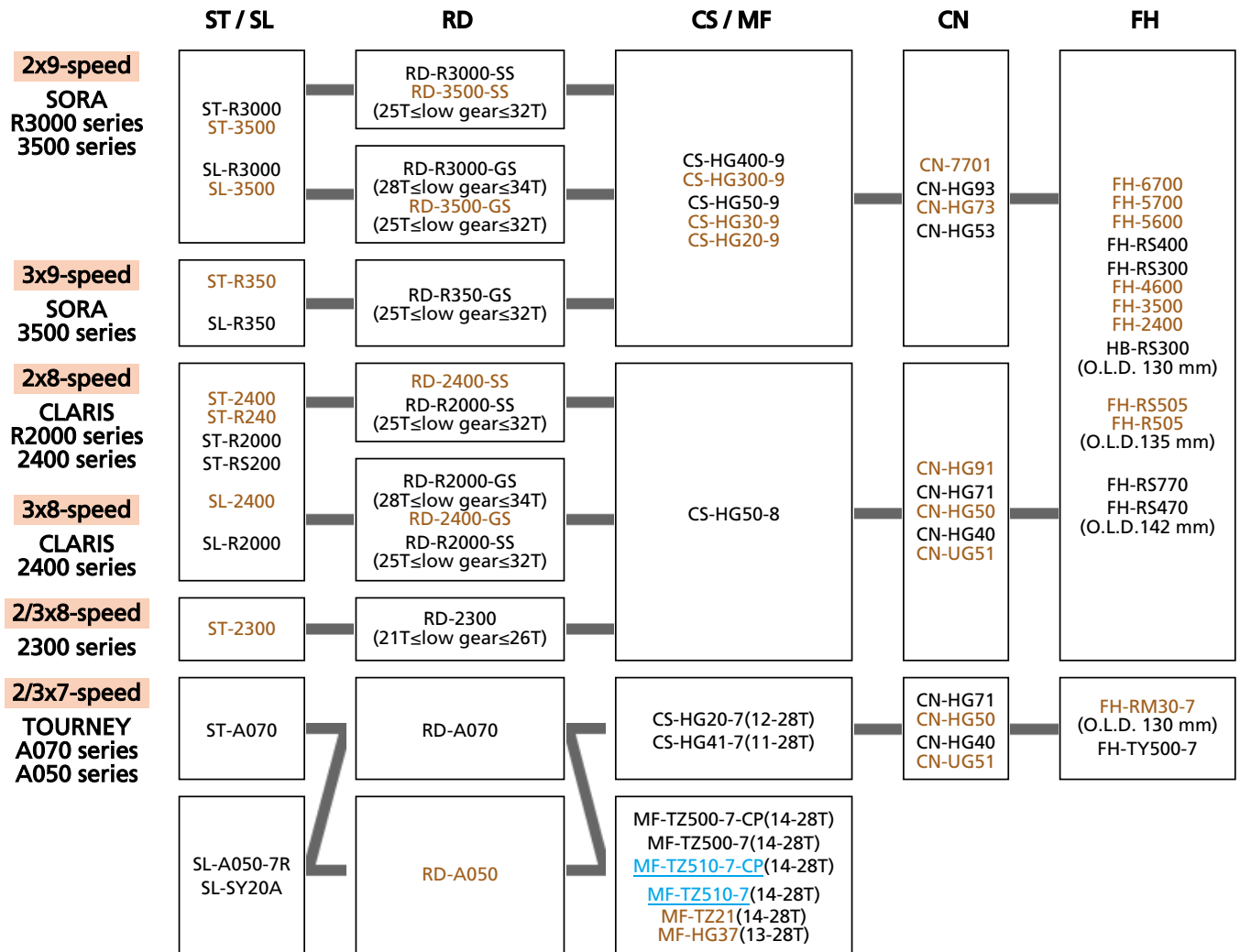
105
R7000 series
5800 series

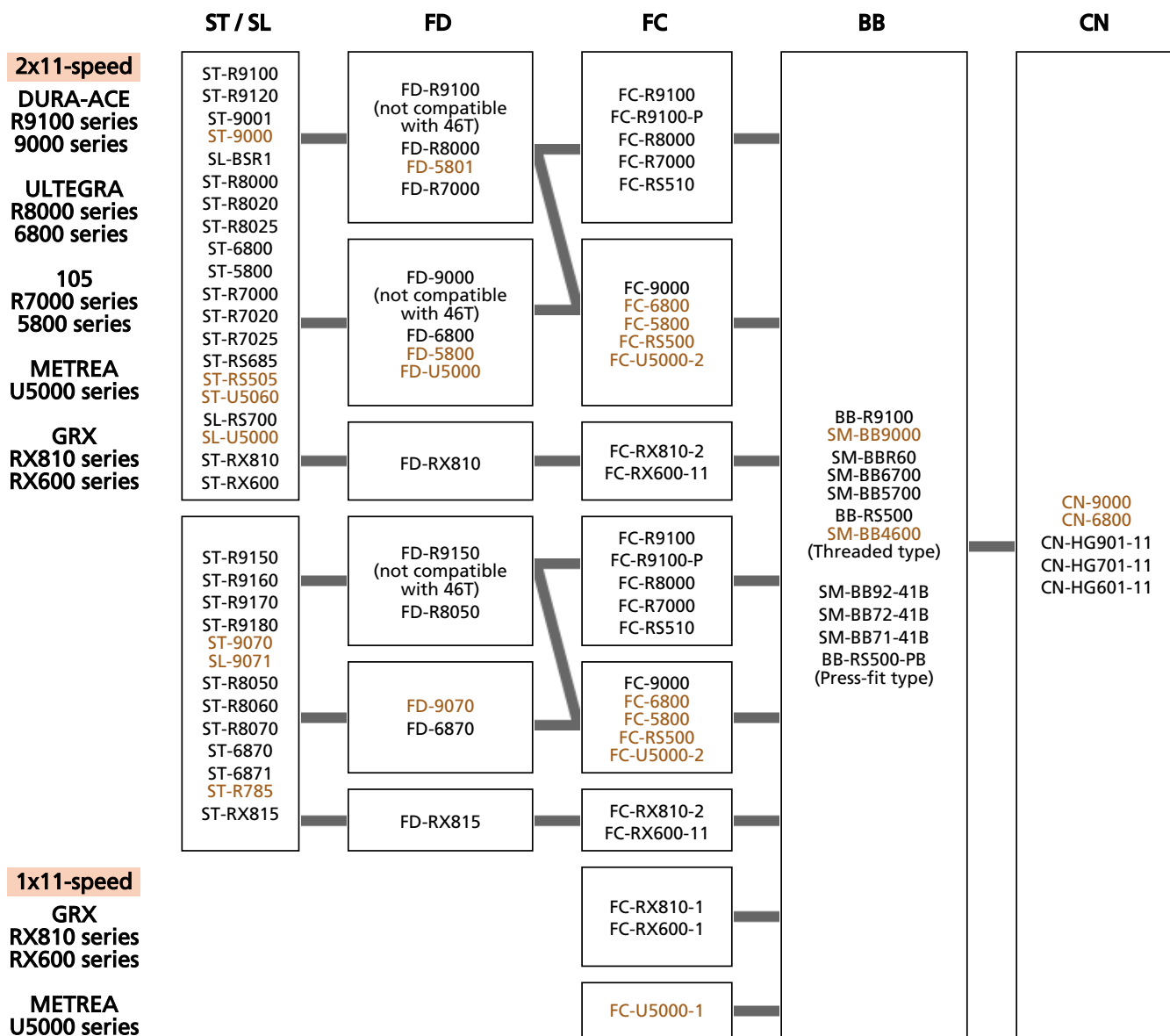
METREA
U5000 series

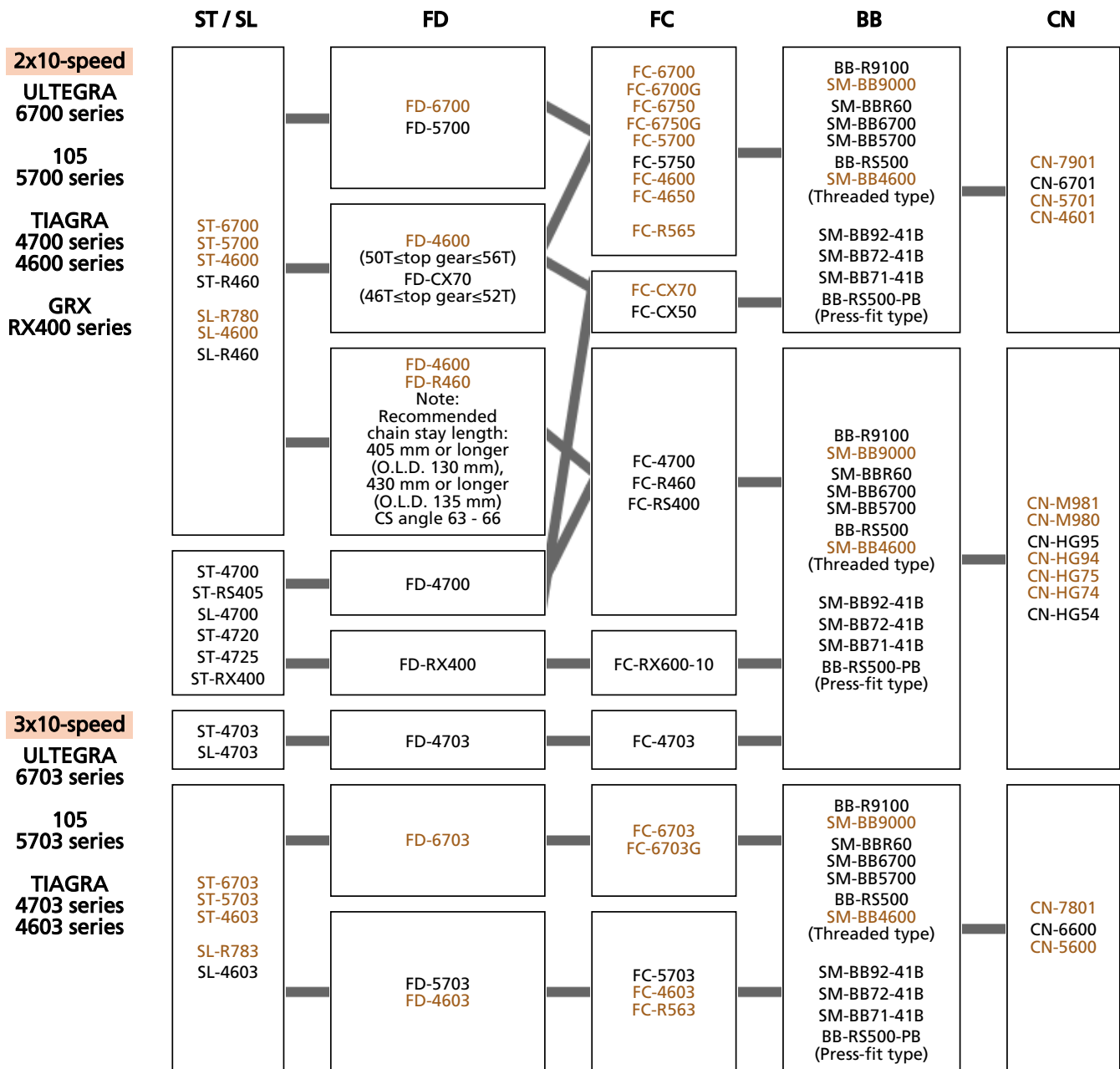
GRX
RX810 series
RX600 series

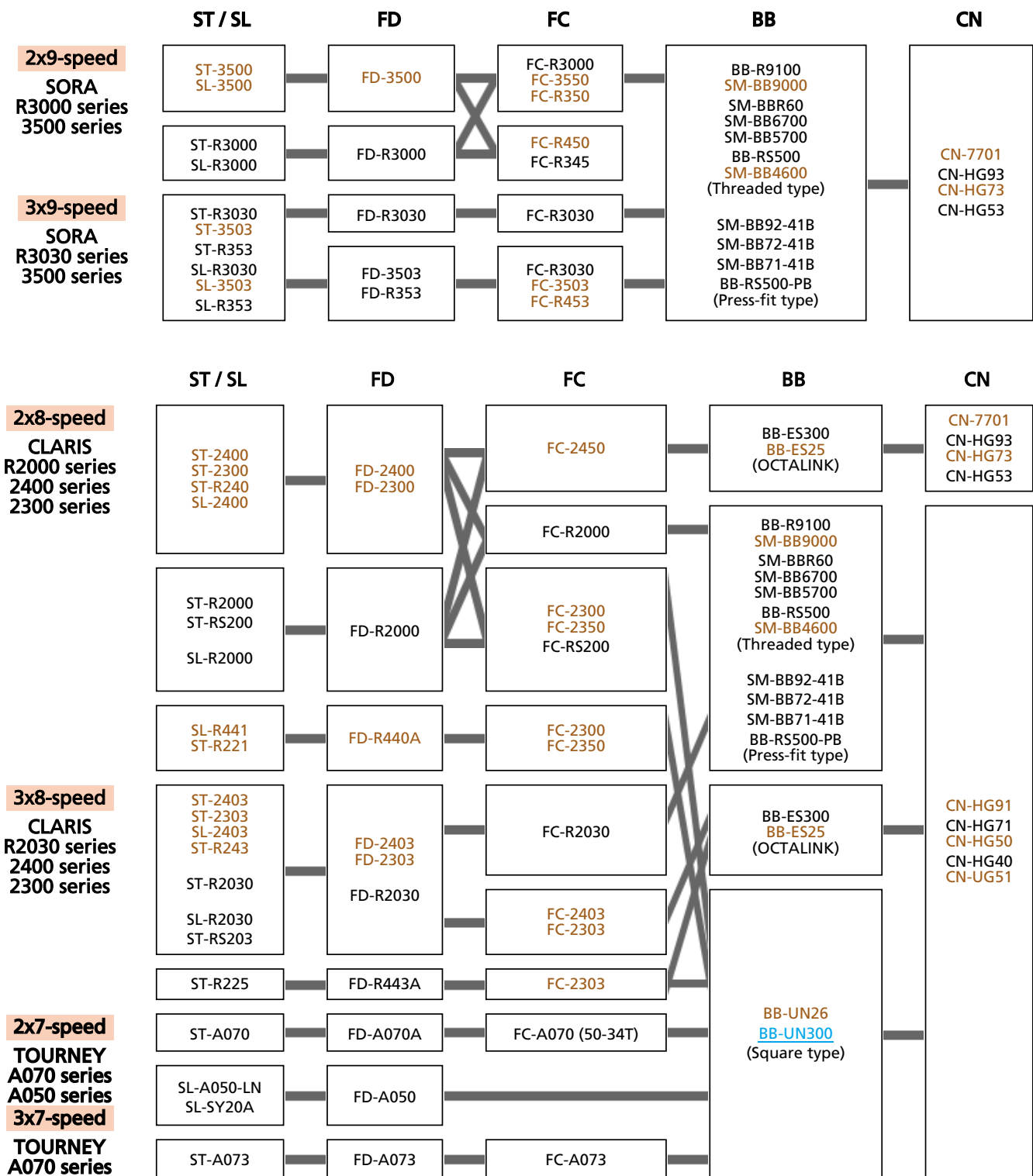
ST / SL	RD	CS	CN	FH / WH
ST-R9100 ST-R9120 ST-9001 ST-9000 SL-BSR1 ST-R8000 ST-R8020 ST-R8025 ST-6800 ST-R7000 ST-R7020 ST-R7025 ST-5800 SL-RS700 ST-RS685 ST-RS505 ST-U5060 SL-U5000 ST-RX810 ST-RX600	RD-R9100-SS RD-R8000-SS (25T≤CS Low gear≤30T) RD-9000 RD-R8000-GS RD-RX800-GS (28T≤CS Low gear≤34T) RD-6800-SS RD-5800-SS (23T≤CS Low gear≤28T) RD-R7000-SS (25T≤CS Low gear≤30T) RD-R7000-GS (28T≤CS Low gear≤34T) RD-6800-GS RD-5800-GS (28T≤CS Low gear≤32T) RD-U5000-SS (28T≤CS Low gear≤32T) RD-RX810 (30T≤CS Low gear≤34T) RD-RX812 (40T≤CS Low gear≤42T) RD-RX800 (28T≤CS Low gear≤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	FH-9000 WH-R9100 WH-RS700 WH-RS500 WH-RS300 WH-RS100 FH-6800 FH-5800 FH-R7000 FH-R7070 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-RS770 WH-RS370 WH-RS171 WH-RX570 WH-RX31 (E-THRU) FH-RS770 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≤CS Low gear≤30T) RD-9070-SS RD-6870-SS (23T≤CS Low gear≤28T) RD-R8050-GS RD-RX805 (28T≤CS Low gear≤34T) RD-6870-GS (28T≤CS Low gear≤32T) RD-RX815 (30T≤CS Low gear≤34T) RD-RX817 (40T≤CS Low gear≤42T)			

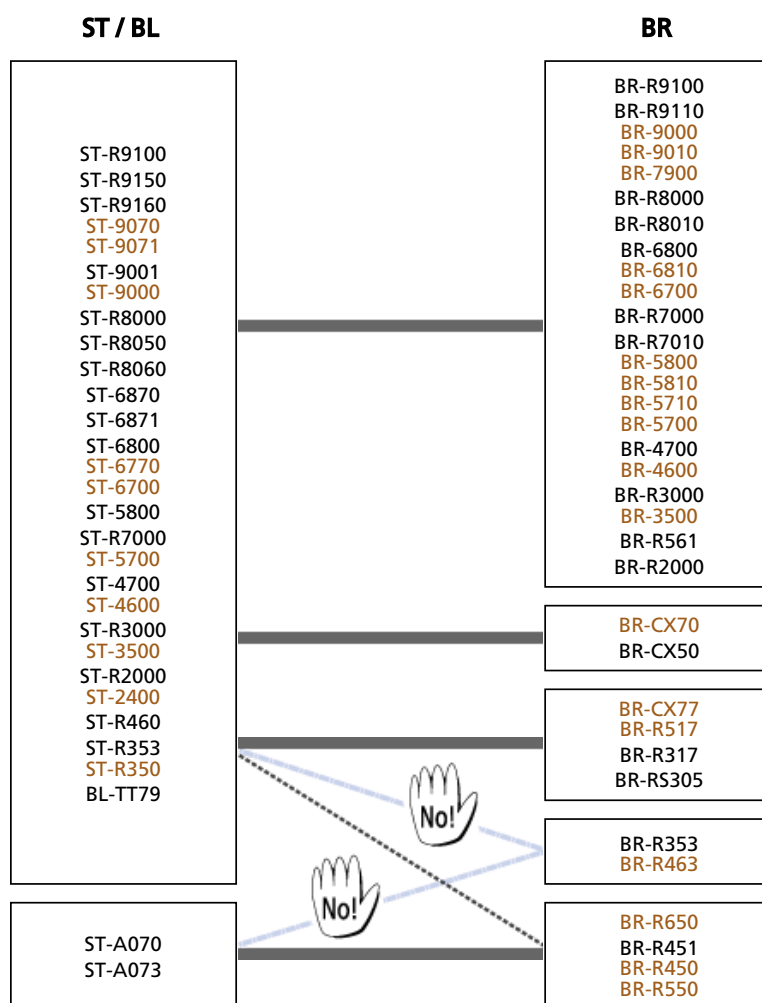
	ST / SL	RD	CS	CN	FH
1x11-speed METREA U5000 series	ST-U5060 SL-U5000	RD-U5000-SS	CS-R9100 CS-9000 CS-6800 CS-5800 CS-R8000 CS-HG800-11 CS-R7000 CS-HG700-11		FH-9000 WH-R9100 WH-R5700 WH-R5500 WH-R5300 WH-R5100 FH-6800 FH-5800 FH-R7000 FH-R7070 FH-RS400 (O.L.D. 130 mm)
GRX RX810 series RX600 series	ST-RX810 ST-RX600	RD-RX812 (40T≤CS Low gear≤42T)		CN-9000 CN-6800 CN-HG901-11 CN-HG701-11 CN-HG601-11	FH-CX75 FH-RS505 WH-RX830 WH-RX31 (QR) WH-U5000 WH-RX010 (O.L.D. 135 mm) WH-R9170 WH-RS770 WH-RS370 WH-RS171 WH-RX570 WH-RX31 (E-THRU) FH-RS770 FH-RS470 (O.L.D. 142 mm)
2x10-speed ULTEGRA 6700 series	ST-6700 ST-5700 ST-4600 ST-R460	RD-6700-A-SS (23T≤low gear≤30T) RD-5701-SS RD-4601-SS (25T≤low gear≤30T)	CS-6700 CS-5700 CS-4600 CS-HG500-10	CN-7901 CN-6701 CN-5701 CN-4601	
105 5700 series	SL-R780 SL-4600 SL-R460	RD-5701-GS RD-4601-GS (27T≤low gear≤32T)	CS-6700 CS-5700 CS-HG500-10 CS-4600 CS-M771-10 CS-HG81-10 CS-HG62-10		
TIAGRA 4700 series 4600 series		RD-R350-10-SS (30T≤low gear≤34T)	CS-6700 CS-5700 CS-HG500-10 CS-4600 CS-M980	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 HB-RS300 (O.L.D. 130 mm) FH-RS505 FH-R505 (O.L.D.135 mm)
GRX RX400 series	ST-4700 ST-4720 ST-4725 ST-RS405 ST-RX400 SL-4700	RD-4700-SS (25T≤low gear≤28T) RD-4700-GS (28T≤low gear≤34T) RD-RX400 (32T≤low gear≤36T)	CS-M771-10 CS-HG81-10 CS-HG62-10 CS-HG50-10		
3x10-speed ULTEGRA 6700 series	ST-6700 ST-5700 ST-4600	RD-6700-A-GS (23T≤low gear≤30T)	CS-6700 CS-5700 CS-HG500-10 CS-4600	CN-7801 CN-6600 CN-5600	
105 5700 series	SL-R780 SL-4600	RD-5701-GS RD-4601-GS (25T≤low gear≤30T)	CS-M771-10 CS-HG81-10 CS-HG62-10		
TIAGRA 4700 series 4600 series	ST-4700 SL-4700	RD-4700-GS (25T≤low gear≤32T)	CS-6700 CS-5700 CS-HG500-10 CS-4600 CS-M980 CS-M771-10 CS-HG81-10 CS-HG62-10	CN-M981 CN-M980 CN-HG95 CN-HG94 CN-HG75 CN-HG74 CN-HG54	FH-RS770 FH-RS470 (O.L.D.142 mm)







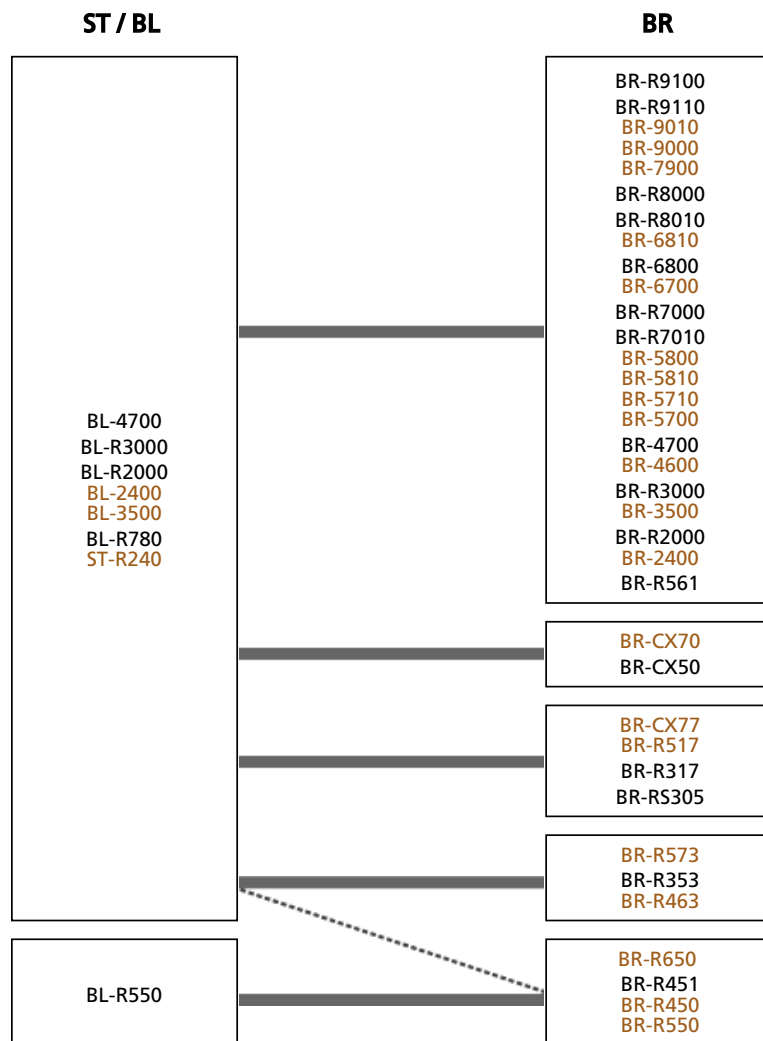




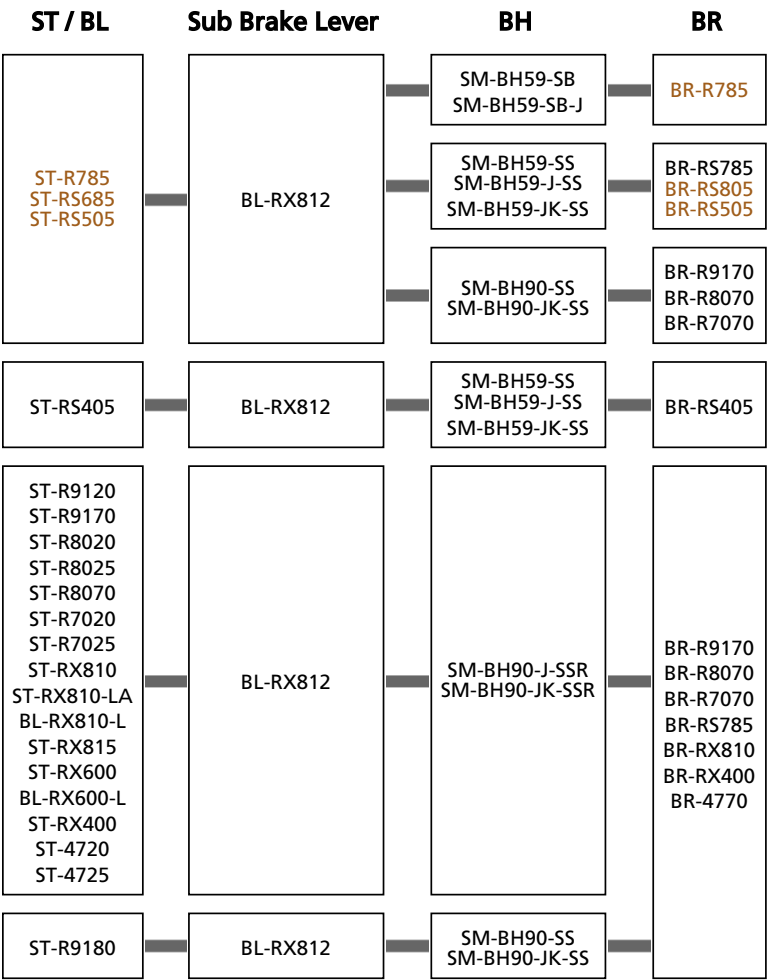
*****: Braking power is slightly less than standard combination.



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



-----: Braking power is slightly less than standard combination.



Hydraulic systems compatibility [URBAN (METREA)]



Compatibility of I-SPEC shifter and brake lever

C-157

 Clamp band type shifter can be compatible as I-SPEC when you change upper body with integration unit. (Exclude RAPIDFIRE PLUS MONO shifting lever)

I-SPEC EV shifting lever

	Model No.	SL-M9100-I	SL-M8100-I	SL-M7100-I	SL-M6100-I	SL-M5100-I	SL-M4100-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	-	-	-	-	-	-
I-SPEC B	BL-MT501	-	-	-	-	-	-
	BL-U5000	-	-	-	-	-	-
	BL-M987	-	-	-	-	-	-
	BL-M988-B	-	-	-	-	-	-
	BL-M820-B	-	-	-	-	-	-
	BL-M640-B	-	-	-	-	-	-
	BL-T780-B	-	-	-	-	-	-
	BL-T675-B	-	-	-	-	-	-
	BL-T670-B	-	-	-	-	-	-
	BL-T610	-	-	-	-	-	-
	BL-M506	-	-	-	-	-	-
	BL-S700-B	-	-	-	-	-	-

I-SPEC II shifting 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
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	✓	✓	✓	✓	✓	✓
I-SPEC B	BL-MT501	✓	✓	✓	✓	✓	✓
	BL-U5000	✓	✓	✓	✓	✓	✓
	BL-M987	-	-	-	-	-	-
	BL-M988-B	-	-	-	-	-	-
	BL-M820-B	-	-	-	-	-	-
	BL-M640-B	-	-	-	-	-	-
	BL-T780-B	-	-	-	-	-	-
	BL-T675-B	-	-	-	-	-	-
	BL-T670-B	-	-	-	-	-	-
	BL-T610	-	-	-	-	-	-
	BL-M506	-	-	-	-	-	-
	BL-S700-B	-	-	-	-	-	-

10 I-SPEC B shifting 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	-	-	-
I-SPEC B	BL-U5000	-	-	-
	BL-M987	✓	✓	✓
	BL-M988-B	✓	✓	✓
	BL-M820-B	✓	✓	✓
	BL-M640-B	✓	✓	✓
	BL-T780-B	✓	✓	✓
	BL-T675-B	✓	✓	✓
	BL-T670-B	✓	✓	✓
	BL-T610	✓	✓	✓
	BL-M506	✓	✓	✓
	BL-S700-B	✓	✓	✓

Compatibility of seat post lever and brake lever

	Model No.	I-SPEC EV shifting 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	-	-
I-SPEC B	BL-U5000	-	-
	BL-M987	-	-
	BL-M988-B	-	-
	BL-M820-B	-	-
	BL-M640-B	-	-
	BL-T780-B	-	-
	BL-T675-B	-	-
	BL-T670-B	-	-
	BL-T610	-	-
	BL-M506	-	-
	BL-S700-B	-	-

Disc brake caliper and disc brake rotor compatibility

C-461



Brake caliper	Brake pad material	Pad type	Disc brake rotor			
			203 mm (L)	180 mm (M)	160 mm (S)	140 mm (SS)
BR-M9100*4 BR-M9110 *5 BR-M9120 BR-M9000 BR-M9020 BR-M8100 BR-M8110 *6 BR-M8120 BR-M8000 BR-M8020 BR-M7100 BR-M7110 *6 BR-M7120 BR-M7000 BR-M6100 BR-M6120 BR-M6000 BR-MT520 BR-MT420 BR-M820 BR-M640	Metal / Resin	Narrow	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-RT64-L SM-RT30-L*2 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-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-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-MT900-SS SM-RT900-SS SM-RT99-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			
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	-	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-R9170*3 BR-R8070 BR-R7070 BR-4770 BR-RS805 BR-R785 BR-RS785 BR-RS505 BR-RS405 BR-RX810 BR-RX400	Metal / Resin	Narrow	-	RT-MT900-M RT-MT800-M SM-RT99-M SM-RT86-M SM-RT81-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-MT900-S SM-RT900-S RT-MT800-S SM-RT800-S SM-RT99-S SM-RT86-S SM-RT81-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-MT900-SS SM-RT900-SS RT-MT800-SS SM-RT800-SS SM-RT99-SS RT-MT800-SS SM-RT99-A-SS SM-RT81-SS SM-RT70-SS
BR-CX77 BR-R517 BR-R317 BR-RS305	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

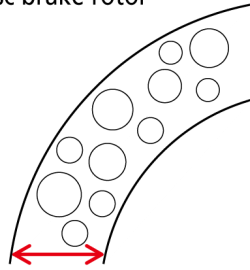
*3 Not compatible with rear 180 mm (M) disc brake rotors

*4 Not compatible with 203 mm (L) disc brake rotors

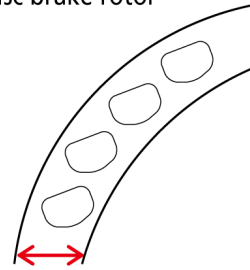
*5 For rear only. Not compatible with 203 mm (L) and 180 mm (M) disc brake rotors.

*6 For rear only. Not compatible with 203 mm (L) 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 serration	Internal & external serration	External serration
QR type	✓	✓	✓
12 mm E-THRU type	✓	✓*	✓
15 mm E-THRU type	-	✓*	✓
20 mm thru axle type	-	✓*	✓

* Internal & external serration type lock ring can not be used with TL-LR11 for E-THRU type. Please tighten with TL-FC36.

FREEHUB (Disc Brake)

Model No.	Fixing type of lock ring		
	Internal serration	Internal & external serration	External serration
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)

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 / 4600

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

C-186



Connection		SM-BH90-JK-SSR	SM-BH90-SBM	SM-BH90-SBLS	SM-BH90-SBS	SM-BH90-SB	SM-BH90-SS
Rigidity		Straight - Straight	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Banjo	Straight - Straight
		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-RS600	BR-RS405	—	—	—	—	—	—
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	—	✓	—	—	✓	—
ST-R9120 ST-R9170	BR-R9170	✓	—	—	—	—	—
ST-R9180	BR-R9170	✓	—	—	—	—	—
ST-R8020 ST-R8070	BR-R8070	✓	—	—	—	—	—
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	—	—	—	—	—	—
ST-RX815	BR-RX810	✓	—	—	—	—	—
ST-RX810	BR-RX810	✓	—	—	—	—	—
BL-RX810	BR-RX810	✓	—	—	—	—	—
ST-RX600	BR-RX400	✓	—	—	—	—	—
BL-RX600	BR-RX400	✓	—	—	—	—	—
ST-RX400	BR-RX400	✓	—	—	—	—	—
BL-U5000	BR-U5000	—	—	—	—	—	—
BL-U5010		—	—	—	—	—	—
ST-U5060		—	—	—	—	—	—

		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-R5600	BR-RS405	—	✓	—	—	—
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	—	—	—	—	—
ST-R9120 ST-R9170	BR-R9170	—	—	—	—	—
ST-R9180	BR-R9170	—	—	—	—	—
ST-R8020 ST-R8070	BR-R8070	—	—	—	—	—
ST-R7020	BR-R7070	—	—	—	—	—
ST-R7025	BR-R7070	—	—	—	—	—
ST-R785	BR-RS805	✓	—	—	—	—
ST-R785	BR-RS785	✓	—	—	—	—
ST-R785	BR-R785	—	—	—	✓	✓
ST-R5685	BR-RS805	✓	—	✓	—	—
ST-R5685	BR-RS785	✓	—	✓	—	—
ST-R5685	BR-R785	—	—	—	✓	✓
ST-R5505	BR-RS785	✓	—	✓	—	—
ST-R5505	BR-RS505	✓	—	✓	—	—
ST-R5405	BR-RS405	—	—	✓	—	—
ST-RX815	BR-RX810	—	—	—	—	—
ST-RX810	BR-RX810	—	—	—	—	—
BL-RX810	BR-RX810	—	—	—	—	—
ST-RX600	BR-RX400	—	—	—	—	—
BL-RX600	BR-RX400	—	—	—	—	—
ST-RX400	BR-RX400	—	—	—	—	—
BL-U5000	BR-U5000	—	—	✓	—	—
BL-U5010		—	—	✓	—	—
ST-U5060		—	—	✓	—	—

Level of compatibility

✓: Compatible

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

-: Impossible to use

Compatibility between banjo bolt

C-625

Banjo Bolt	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	✓	✓	–	–	–

NOTE

See [C-188](#) for shape of banjo bolts.

Disc brake mount adapter

C-193

How to read Model No. C-194

(1) (2) (3) (4) (5) (6)
SM-MA-F203S/P

(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)
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
		203 mm direct	-	-	-	Direct mount
	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
		203 mm direct	-	-	-	Direct mount
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-R160 D/D	-
	ø160/180	Front	-	With Y8N230000* on product	With Y8N230000* on product
		Rear	-	Direct mount	SM-MA-R160 D/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.

NOTE

BR-R9170 and [BR-M9110](#) are not compatible with 180 mm (M) for Rear.

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

Series	Brake with New cable	
DURA-ACE	BR-R9100	✓
	BR-R9110	✓
ULTEGRA	BR-R8000	✓
	BR-R8010	
105	BR-R7000 BR-R7010 BR-5810	✓
	BR-5700	-
TIAGRA	BR-4700	✓
SORA	BR-R3000	✓
CLARIS	BR-R2000	✓
Others		-

C-306

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.

		V-BRAKE		Roller Brake
		BR-T780 BR-MX70 BR-R573 BR-R463 BR-R353 BR-T670 BR-T610 BR-T4010 BR-T4000	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	BR-C6060-F BR-C6000 BR-C3010 BR-C3000
V-BRAKE Levers (2-finger)		✓	✓	
ST-M4000 ST-EF41 ST-TX800 ST-M370 ST-M310 ST-EF510 ST-EF500 ST-EF65 ST-EF51	BL-T610 BL-M571 BL-T4000 BL-MX70			
V-BRAKE Levers (3-finger)			✓	
ST-T4000 ST-T3000	BL-T780 BL-T611 BL-T670 BL-T780-B BL-T4010 BL-T670-B			
Brake Levers with switch		✓	✓	NOTE
ST-R240	BL-4600 BL-R780 BL-4700 BL-R3000 BL-R2000 BL-2400			
V-BRAKE lever with switch			✓	NOTE
ST-M310 (4-finger) ST-EF65 (4-finger) ST-EF510 (4-finger) ST-EF500 (4-finger) BL-C6000				
BL-C6010 SB-C6000-8 SB-C3000-7				✓

* POWER MODULATOR must be used for front brake



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

NOTE

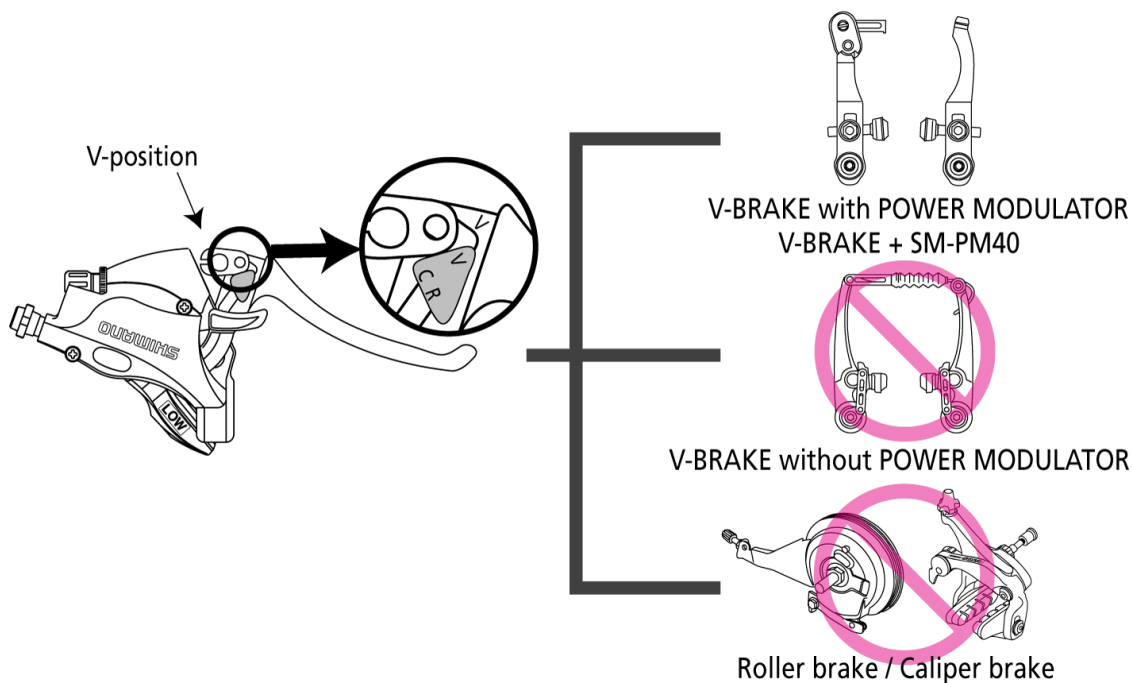
This combination will not provide the sufficient amount of braking force.

Brake lever with switch compatibility

C-467

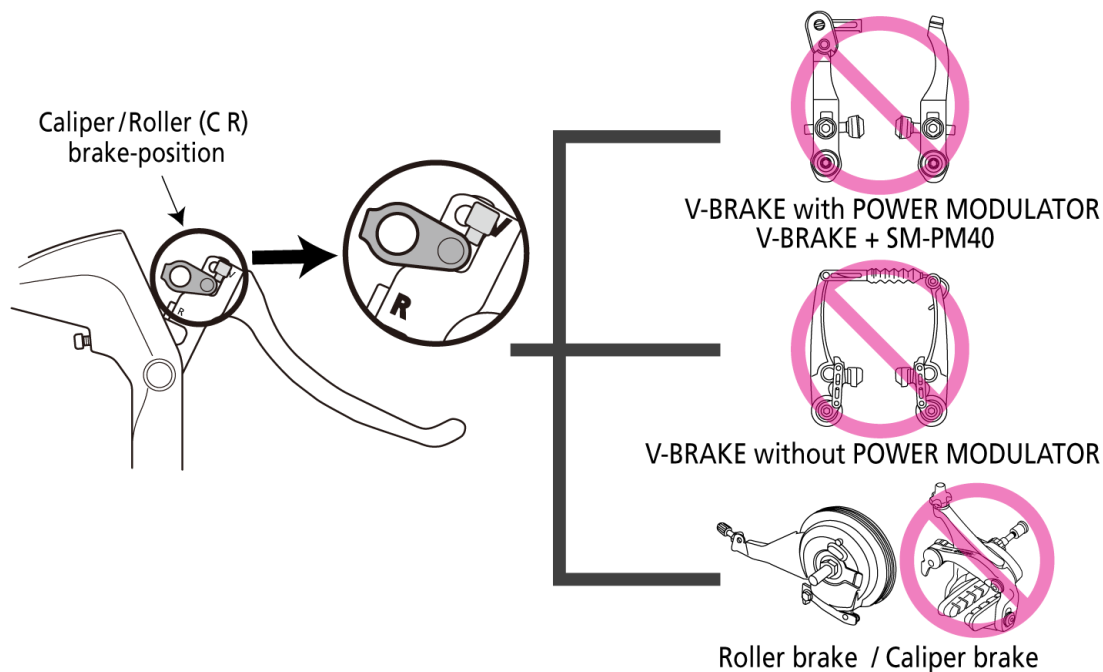
Four finger brake levers such as brake levers are equipped with a switch to change between the V-BRAKE with modulator mode (for example with SM-PM40) and the caliper brake or roller brake mode.

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

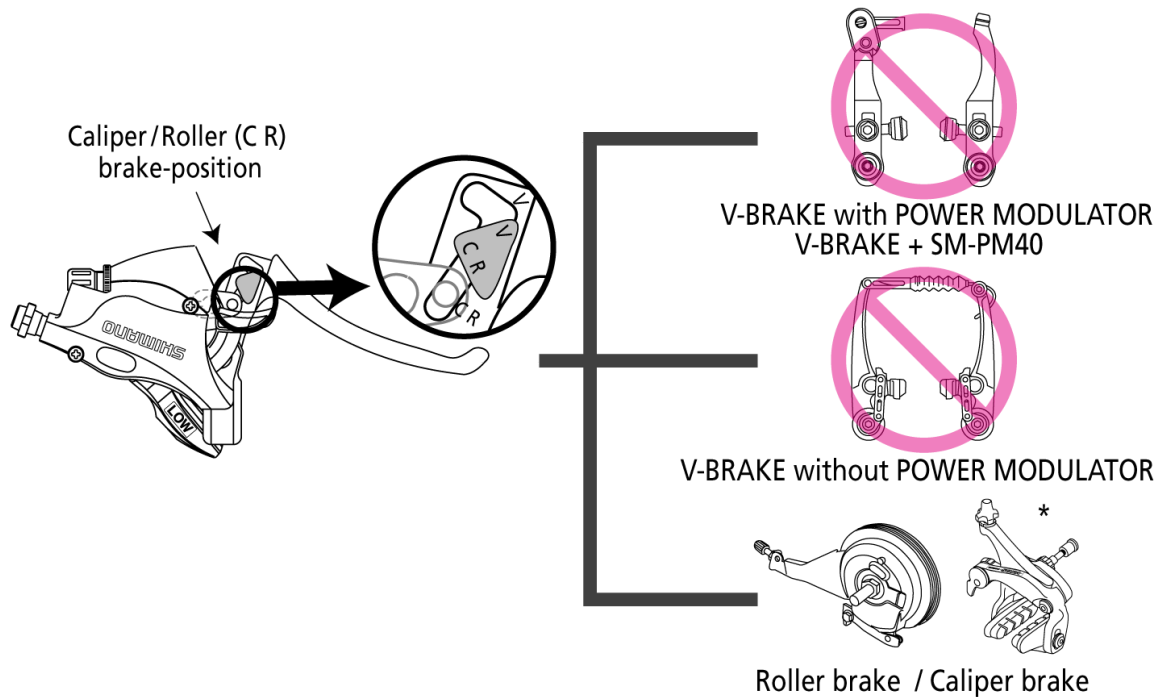


For Caliper brake / Roller brake C-469

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.

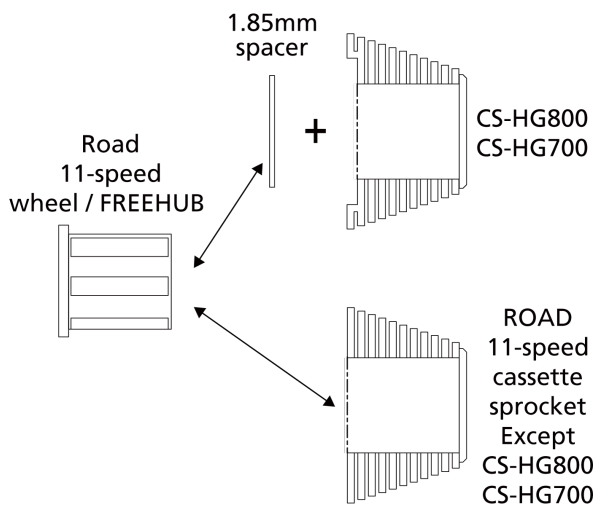
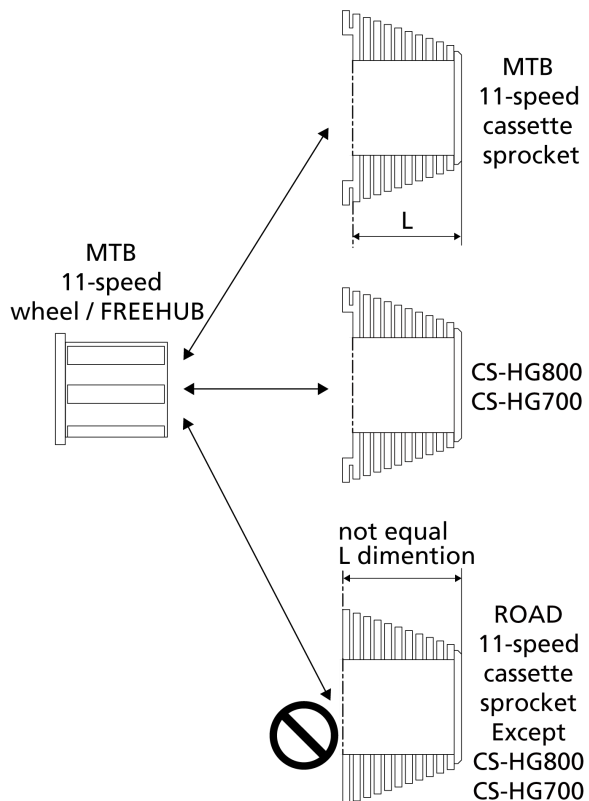
WARNING

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.

11-speed FREEHUB compatibility

C-253

MTB 11speed wheel and FREEHUB have same serration with 10, 9-speed FREEHUB.



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

C-254

11-speed C-255

Gear	11-speed							
	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	11-speed			
	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	10-speed						
	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	9-speed		
	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

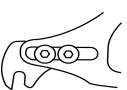
Gear	8-speed		
	RD-R2000		
	SS	GS Front double	GS Front Triple
11-28T	✓	✓	✓
11-30T	✓	✓	✓
11-32T	✓	✓	✓
11-34T	-	✓	-
12-25T	✓	-	✓
13-26T	✓	-	-

7-speed C-259

Gear	7-speed	
	RD-A070	
	SMART CAGE	
11-28T	✓	
12-28T	✓	
13-28T	✓	
14-28T	✓	

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

C-471

Rear 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	Rear dropout design	Compatibility	CT use	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	
		V-BRAKE	D	OK	CT-S510	SM-GEAR	G	J	-
			A	OK	-	SM-GEAR	G	J	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	G	J	-
NEXUS	8S / 7S	Disc brake	D	OK	CT-S500	CS-S500	F	I	-
			D	OK	CT-S510	SM-GEAR	G	J	-
	8S / 7S / 3S (except 3D)	Hub roller brake V-BRAKE	A	OK	-	SM-GEAR	E	H	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	E	H	-
			D	NR	CT-S500	CS-S500	F	I	*2
			D	OK	CT-S510	SM-GEAR	G	J	-
		Coaster brake	A	OK	-	SM-GEAR	E	H	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	E	H	-
			D	NR	-	-	-	-	*3
			D	NR	-	-	-	-	*4
	3D	Disc brake	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			C	OK	-	SM-GEAR	G	J	
			D	OK	CT-S500	CS-S500	F	I	
		V-BRAKE	D	OK	CT-S510	SM-GEAR	G	J	-
			A	OK	-	SM-GEAR	G	J	-
			B	OK	-	SM-GEAR	G	J	-
			C	OK	-	SM-GEAR	G	J	-
	5S for E-BIKE	Disc brake	D	OK	CT-S500	CS-S500	F	I	-
			D	OK	CT-S510	SM-GEAR	G	J	-
		Hub roller brake V-BRAKE	A	NR	-	-	-	-	*1
			B	NR	-	-	-	-	
			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	-	-	-	-	-
			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 pedalling.

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

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

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.	Cassette sprocket low gear No.										Spoke hole No.			Spoke hole No.		
		28T	30T	32T	34T	36T	40T	42T	45T	46T	51T	28H	32H	36H	28H	32H	36H
12-speed	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	-	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	-	-
	CS-HG400-9	-	-	-	-	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG300-9	-	-	-	-	✓	-	-	-	-	-	-	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG201-9	-	-	✓	✓	-	-	-	-	-	-	CP-WH12	CP-FH56	CP-FH53	-	CP-FH76	CP-FH76
	CS-HG200-9	-	-	-	-	-	-	-	-	-	-	-	CP-FH35	CP-FH50	-	CP-FH76	CP-FH76
	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	-	✓	-	-	-	-	-	-	-	-	CP-FH40	CP-FH35	CP-FH50	-	-	-
	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	-	-	-



		Cassette sprocket										Spoke protector model			
Speed	Model No.	Cassette sprocket low gear No.													
		28T	30T	32T	34T	36T	40T	42T	45T	46T	51T	WH-M8100	WH-M8120	WH-MT620	WH-MT601
12-speed	CS-M9100	-	-	-	-	-	-	-	✓	-	✓	CP-WH28	CP-WH29 (for 10-51T) CP-WH32 (for 10-45T)	CP-WH27 (for 10-51T) CP-WH31 (for 10-45T)	CP-WH27 (for 10-51T) CP-WH31 (for 10-45T)
	CS-M8100	-	-	-	-	-	-	-	✓	-	✓				
	CS-M7100	-	-	-	-	-	-	-	✓	-	✓				
	CS-M6100	-	-	-	-	-	-	-	-	-	✓	-	-	-	-
11-speed	CS-M9001	-	-	-	-	-	✓	-	-	-	-	CP-WH17-A	-	-	-
	CS-M8000	-	-	-	-	-	✓	✓	-	✓	-	CP-WH17-A	-	-	-
	CS-M7000	-	-	-	-	-	✓	✓	-	✓	-	CP-WH17-A	-	-	-
	CS-M5100	-	-	-	-	-	-	✓	-	-	✓	-	-	-	-
10-speed	CS-M4100	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-
	CS-M771-10	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG81-10	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG500-10	-	-	-	-	-	-	✓	-	-	-	-	-	-	-
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	-	-	-	-
	CS-HG400-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG300-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG201-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG200-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
	CS-HG400-9	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-	-	-



		Cassette sprocket										Spoke protector model		
Speed	Model No.	Cassette sprocket low gear No.												
		28T	30T	32T	34T	36T	40T	42T	45T	46T	51T	WH-MT501	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600
12-speed	CS-M9100	-	-	-	-	-	-	-	✓	-	✓	CP-WH27 (for 10-51T) CP-WH31 (for 10-45T)	-	-
	CS-M8100	-	-	-	-	-	-	-	✓	-	✓		-	-
	CS-M7100	-	-	-	-	-	-	-	✓	-	✓		-	-
	CS-M6100	-	-	-	-	-	-	-	-	-	✓		-	-
11-speed	CS-M9001	-	-	-	-	-	✓	-	-	-	-	-	CP-WH17-A	CP-WH26
	CS-M8000	-	-	-	-	-	✓	✓	-	✓	-	-	CP-WH17-A	CP-WH26
	CS-M7000	-	-	-	-	-	✓	✓	-	✓	-	-	CP-WH17-A	CP-WH26
	CS-M5100	-	-	-	-	-	-	✓	-	-	✓	-	-	-
10-speed	CS-M4100	-	-	-	-	-	-	✓	-	✓	-	-	-	-
	CS-M771-10	-	-	✓	✓	✓	-	-	-	-	-	-	-	CP-WH16
	CS-HG81-10	-	-	-	✓	✓	-	-	-	-	-	-	-	CP-WH16
	CS-HG500-10	-	-	-	-	-	-	✓	-	-	-	-	-	-
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	-	-	CP-WH16
	CS-HG400-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-
	CS-HG300-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-
	CS-HG201-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-
	CS-HG200-9	-	-	✓	✓	✓	-	-	-	-	-	-	-	-
	CS-HG400-9	✓	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-	-

Cassette sprocket												Spoke protector model		
Speed	Model No.	Cassette sprocket low gear No.										WH-MT500	WH-MT66-29	WH-MT35 WH-MT35-275 WH-MT35-29 WH-MT15-A-275 WH-MT15-A-29
		28T	30T	32T	34T	36T	40T	42T	45T	46T	51T			
12-speed	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-WH21	CP-WH16	CP-WH12
	CS-HG81-10	-	-	-	✓	✓	-	-	-	-	-	CP-WH21	CP-WH16	CP-WH12
	CS-HG500-10	-	-	-	-	-	-	✓	-	-	-	CP-WH21	-	CP-WH19
	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	CP-WH21	CP-WH16	CP-WH12
9-speed	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



Model No.	Cassette Sprocket total gear No.			Cassette Sprocket low gear No.						
	9-speed	10-speed	11-speed**	23T	25T	27T	28T	30T	32T*	34T
WH-R9170-C60	-	-	✓	-	CP-W1460					-
WH-R9170-C40	-	✓	-	-	CP-W1460					-
WH-R9100-C60	-	-	✓	-	CP-W124					-
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	-	-	✓	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-RX570	-	✓	✓	-	CP-WH30					-
	-	✓	-	CP-WH41					CP-WH12	-

* For compact crank set

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

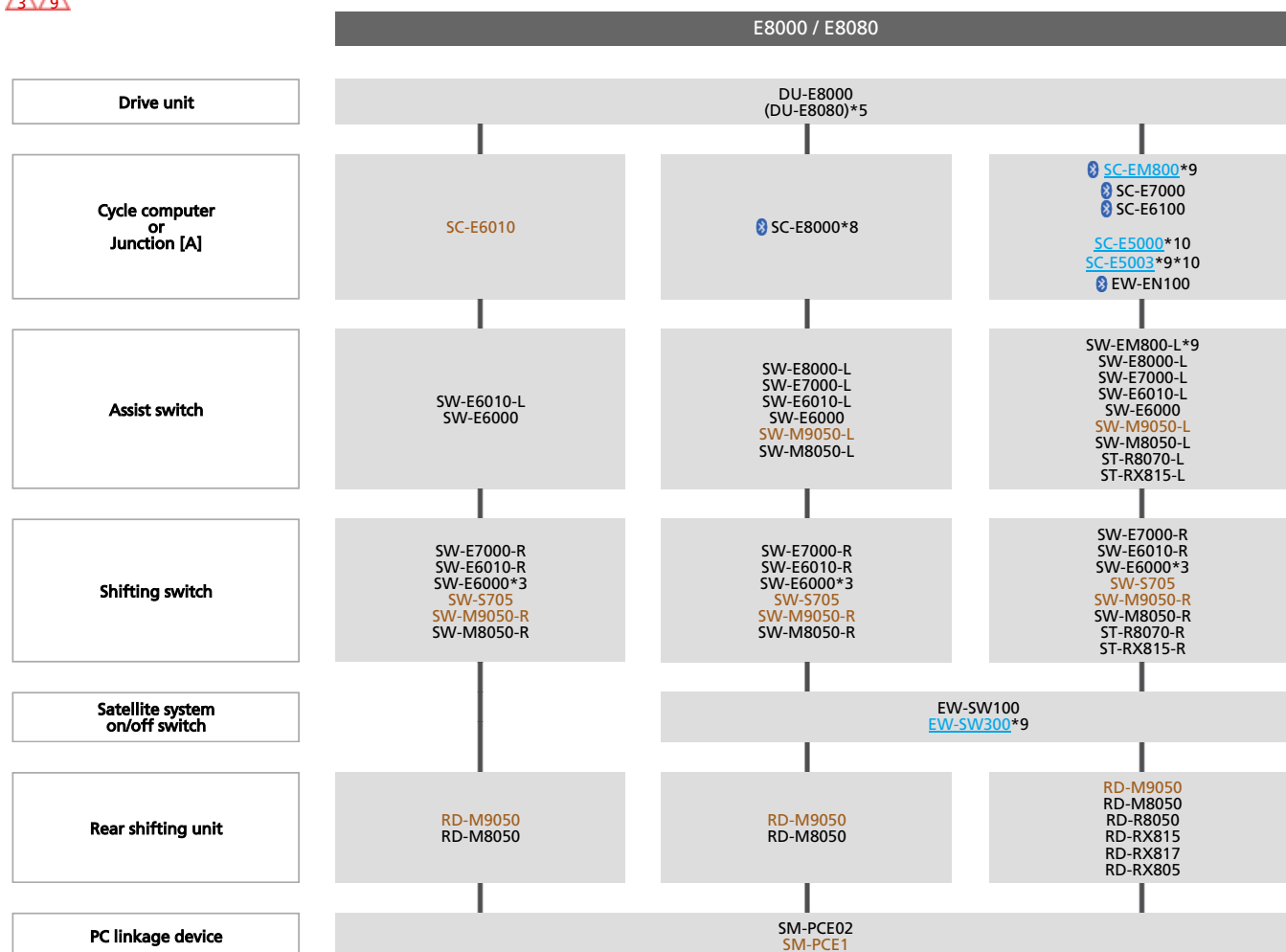
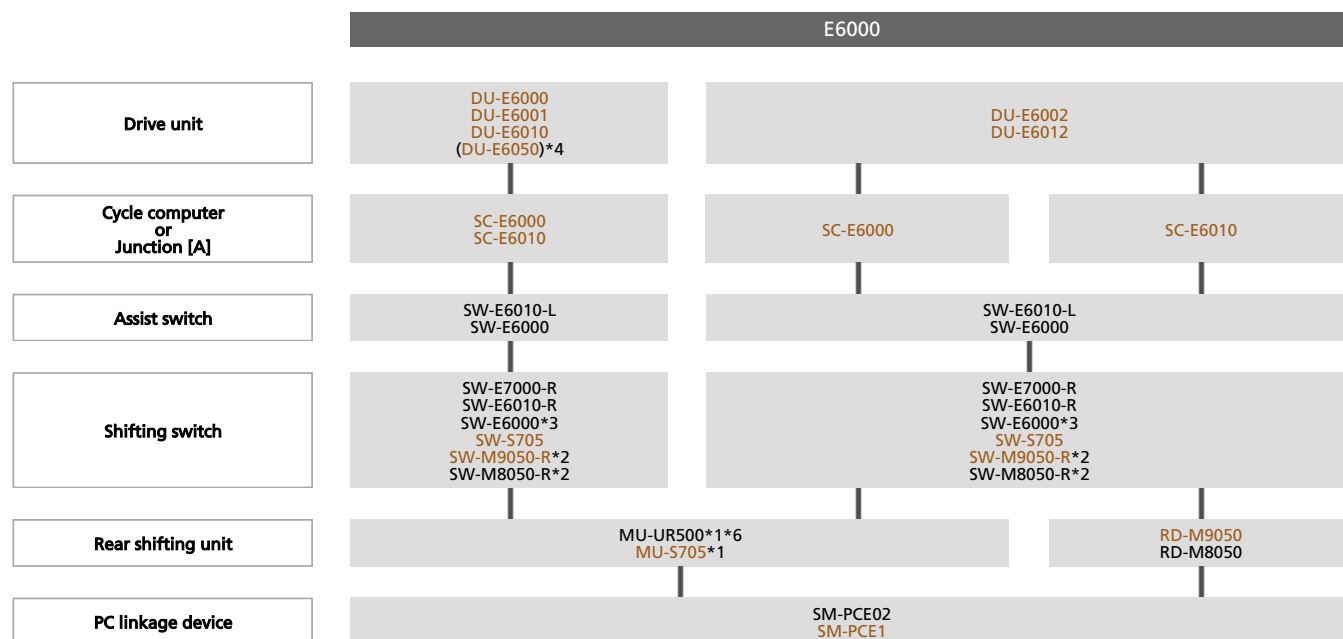
Spoke protector for Road

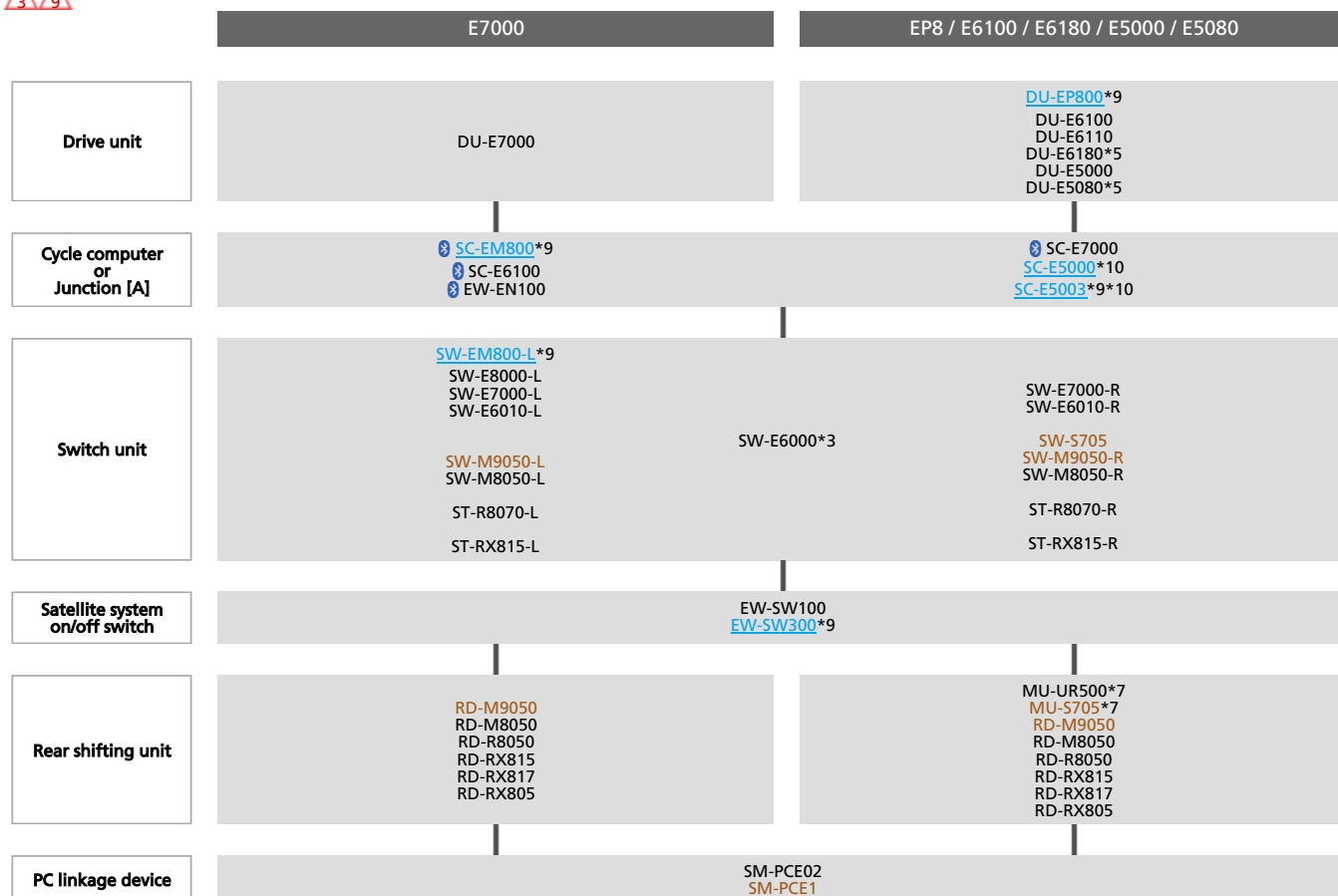
Speed	Model No.	Cassette sprocket low gear No.										Spoke holes No.			
		21T	23T	24T	25T	26T	27T	28T	30T	32T	34T	24H	28H	32H	36H
8, 9, 10-speed	Road	✓	✓	-	✓	-	-	-	-	-	-	CP-FH06	CP-FH08	CP-FH05	CP-FH06
		-	-	-	-	✓	-	-	-	-	-	CP-FH31	CP-FH08	CP-FH35	CP-FH31
		-	-	-	-	-	✓	✓	-	-	-	CP-FH31	CP-FH08	CP-FH35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

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

E-BIKE system (with E-TUBE PROJECT ver.3.5.0)

C-525





Limitation of function

- *1 Full automatic shift is available only with 8-speed internal geared hub system (Not available with Rear Derailleur).
- *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 Compatible with 11-speed and 8-speed internal geared hub system only.
- *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 Only for ø22.2 handlebar. Drop handle bar is unavailable.

SHIMANO STEPS front drive train compatibility



		Chainring										Chain device			Crank arm													
		SM-CRE50	SM-CRE60	SM-CRE61	SM-CRE70	SM-CRE70-B	SM-CRE70-12	SM-CRE70-12-B	SM-CRE80	SM-CRE80-B	SM-CRE80-12-B	SM-CRE80-12-SB	SM-CRE80-R	SM-CDE70	SM-CDE80 (Frame mount)	SM-CDE80	CD-EM800	FC-E5000	FC-E5010	FC-E6000	FC-E6010	FC-E6100	FC-E8000	FC-E8050	FC-M8050	FC-M8150	FC-EM900	FC-EM600
Drive Unit	DU-EP800	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*2	✓	✓*2	✓*3	-	-	-	-	-	-	-	-	✓	✓	✓
	DU-E8000	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*2	✓	✓*2	✓*3	-	-	-	-	✓	✓	✓	✓	-	-	
	DU-E8080	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*2	✓	✓*2	✓*3	-	-	-	-	✓	✓	✓	✓	-	-	
	DU-E7000	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*2	✓	✓*2	✓*3	-	-	-	-	✓	✓	✓	✓	-	-	
	DU-E6100	-	-	✓*1	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	
	DU-E6110	-	-	✓*1	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	
	DU-E6180	-	-	✓*1	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	
DU-E6002	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-		
DU-E6012	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-		
DU-E5000	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-		
DU-E5080	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-		

*1 Arm cover packed in 38T w/o CG is designed only for FC-E6100

*2 Only for 53 mm chain line

*3 Only for 53 mm / 56.5 mm chain line

SHIMANO STEPS rear drive train compatibility

EP8 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
Rear derailleur system	12-speed	SM-CRE80-12-SB 34T / 36T	-	SM-CDE80	-	CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12	CN-M9100 CN-M8100 CN-M7100 CN-M6100
		SM-CRE80-12-B 34T / 36T / 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70-12-B 36T	-				
		SM-CRE70-12 42T	Double	-			
	11-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		11-speed CS	
		SM-CRE80 34T / 38T	-	SM-CDE80 (Frame mount)		MTB 11-speed CS	
		SM-CRE80 44T	Double	-			
		SM-CRE70-B 34T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	-	SM-CDE80 (Frame mount)			
		SM-CRE70 38T	Double	-			
	10-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 10-speed CS	CN-E6090-10
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		10-speed CS	
		SM-CRE80 34T / 38T	-			MTB 10-speed CS	
		SM-CRE80 44T	Double	-			
		SM-CRE70-B 34T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	Double	-			
	9-speed	SM-CRE70-B 34T	-	SM-CDE70	-	MTB 9-speed CS	CN-E6070-9
		SM-CRE70 38T	-	SM-CDE70			
		SM-CRE70 38T	Double	-			
DI2 Internal geared hub	11-speed 8-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	5-speed	SM-CRE61	Single / w/o	-	-	CS-C7000	8-speed
Mechanical Internal geared hub	ALFINE 11-speed 8-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
			Single / w/o		-	SM-GEAR	8-speed
			w/o		CT-S500	CS-S500	9-speed
			Double		CT-S510	SM-GEAR	8-speed
	NEXUS 8-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 7-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			w/o		CT-S510	SM-GEAR	8-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 5-speed	SM-CRE61	Single	-	-	CS-C7000	8-speed
w/o			-		CN-NX10		

E8000 / E8080 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
Rear derailleur system	12-speed	SM-CRE80-12-SB 34T / 36T	-	SM-CDE80	-	CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12	CN-M9100 CN-M8100 CN-M7100 CN-M6100
		SM-CRE80-12-B 34T / 36T / 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70-12-B 36T	-				
		SM-CRE70-12 42T	Double	-			
	11-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11
		SM-CRE70-B 34T	-			11-speed CS	
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		MTB 11-speed CS	
		SM-CRE70 38T	-				
		SM-CRE80 34T / 38T	-	SM-CDE80 (Frame mount)			
		SM-CRE80 44T	Double	-			
		SM-CRE70 38T	Double	-			
	10-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 10-speed CS	CN-E6090-10
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		10-speed CS	
		SM-CRE80 34T / 38T	-			MTB 10-speed CS	
		SM-CRE80 44T	Double	-			
		SM-CRE70-B 34T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	Double	-			
	9-speed	SM-CRE70-B 34T	-	SM-CDE70	-	MTB 9-speed CS	CN-E6070-9
		SM-CRE70 38T	-	SM-CDE70			
		SM-CRE70 38T	Double	-			

E7000 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
Rear derailleur system	12-speed	SM-CRE80-12-SB 34T / 36T	-	SM-CDE80	-	CS-M9100-12 CS-M8100-12 CS-M7100-12 CS-M6100-12	CN-M9100 CN-M8100 CN-M7100 CN-M6100
		SM-CRE80-12-B 34T / 36T / 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70-12-B 36T	-				
		SM-CRE70-12 42T	Double	-			
	11-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		11-speed CS	
		SM-CRE80 34T / 38T	-	SM-CDE80 (Frame mount)		MTB 11-speed CS	
		SM-CRE80 44T	Double	-			
		SM-CRE70-B 34T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	-	SM-CDE80 (Frame mount)			
		SM-CRE70 38T	Double	-			
	10-speed	SM-CRE80-B 34T / 38T	-	SM-CDE80 SM-CDE70	-	MTB 10-speed CS	CN-E6090-10
		SM-CRE80-R 47T	-	SM-CDE80 (Frame mount)		10-speed CS	
		SM-CRE80 34T / 38T	-			MTB 10-speed CS	
		SM-CRE80 44T	Double	-			
		SM-CRE70-B 34T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	-	SM-CDE80 SM-CDE70			
		SM-CRE70 38T	Double	-			
	9-speed	SM-CRE70-B 34T	-	SM-CDE70	-	MTB 9-speed CS	CN-E6070-9
		SM-CRE70 38T	-	SM-CDE70			
		SM-CRE70 38T	Double	-			

E6100 / E6180 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
DI2 Internal geared hub	11-speed 8-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	5-speed	SM-CRE61	Single / w/o	-	-	CS-C7000	8-speed
Mechanical Internal geared hub	ALFINE 11-speed 8-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
			Single / w/o		-	SM-GEAR	8-speed
	NEXUS 8-speed	SM-CRE61	w/o	-	CT-S500	CS-S500	9-speed
			Double		CT-S510	SM-GEAR	8-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 7-speed	SM-CRE61	Single / w/o	-	-	SM-GEAR	8-speed
			w/o		CT-S510	SM-GEAR	8-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 5-speed	SM-CRE61	Single	-	-	CS-C7000	8-speed
			w/o		-	CS-C7000	CN-NX10
Rear derailleur system	11-speed	SM-CRE61	Double	-	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11 CN-HG601-11
		SM-CRE80-R 47T	w/o	SM-CDE80 (Frame mount)		11-speed CS	
	10-speed	SM-CRE61	Double	-	-	MTB 10-speed CS	CN-E6090-10
		SM-CRE80-R 47T	w/o	SM-CDE80 (Frame mount)		10-speed CS	
	9-speed	SM-CRE61	Double	-	-	MTB 9-speed CS	CN-E6070-9
	8-speed	NA					

E6000 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
DI2 Internal geared hub	11-speed 8-speed	SM-CRE60	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
Mechanical Internal geared hub	ALFINE 11-speed 8-speed	SM-CRE60	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 8-speed	SM-CRE60	Single	-	-	SM-GEAR	8-speed
			w/o				CN-NX10
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
Rear derailleur system	11-speed	SM-CRE60	Double	-	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11
	10-speed	SM-CRE60	Double	-	-	MTB 10-speed CS	CN-E6090-10
	9-speed	SM-CRE60	Double	-	-	MTB 9-speed CS	CN-E6070-9
	8-speed	NA					

E5000 / E5080 series

Shifting system	Speed	Chainring	Chain guard	Chain device	CT use	Rear sprocket	Chain
DI2 Internal geared hub	11-speed 8-speed	SM-CRE50	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
Mechanical Internal geared hub	5-speed	SM-CRE50	Single / w/o	-	-	CS-C7000	8-speed
	ALFINE 11-speed 8-speed	SM-CRE50	Single / w/o	-	-	SM-GEAR	8-speed
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 8-speed	SM-CRE50	Single / w/o	-	-	SM-GEAR	8-speed
			w/o				CN-NX10
			Double		CT-S500	CS-S500	9-speed
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 7-speed	SM-CRE50	Single / w/o	-	-	SM-GEAR	8-speed
			w/o				CN-NX10
			Single / w/o		CT-S510	SM-GEAR	8-speed
	NEXUS 5-speed	SM-CRE50	Single	-	-	CS-C7000	8-speed
			w/o				CN-NX10
Rear derailleur system	11-speed	SM-CRE50	Double	-	-	MTB 11-speed CS	CN-HG901-11 CN-HG701-11
	10-speed	SM-CRE50	Double	-	-	MTB 10-speed CS	CN-E6090-10
	9-speed	SM-CRE50	Double	-	-	MTB 9-speed CS	CN-E6070-9
	8-speed	NA					



For Hydraulic Disc brake

I-SPEC EV type brake lever

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer						
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000 *2	SC-E5003 *2
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 shifting switch		SHIMANO STEPS switch unit and cycle computer						
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000	SC-E5003
BL-M9000 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-M9020 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-M8000 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T8100 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T8000 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-M7000 *1	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-M6000	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T6000	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-R5600	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT500	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT501	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-U5000	-	-	✓	-	✓	✓	✓	✓	✓
BL-S7000	✓	✓	✓	✓	✓	✓	✓	✓	✓

*1: In case of using these brake lever, refer to [C-422](#).

Other clamp band type brake lever

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer						
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000	SC-E5003
BL-MT402-3A	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT401	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT400	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT201	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT200	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T445	✓	✓	✓	✓	✓	✓	✓	✓	✓

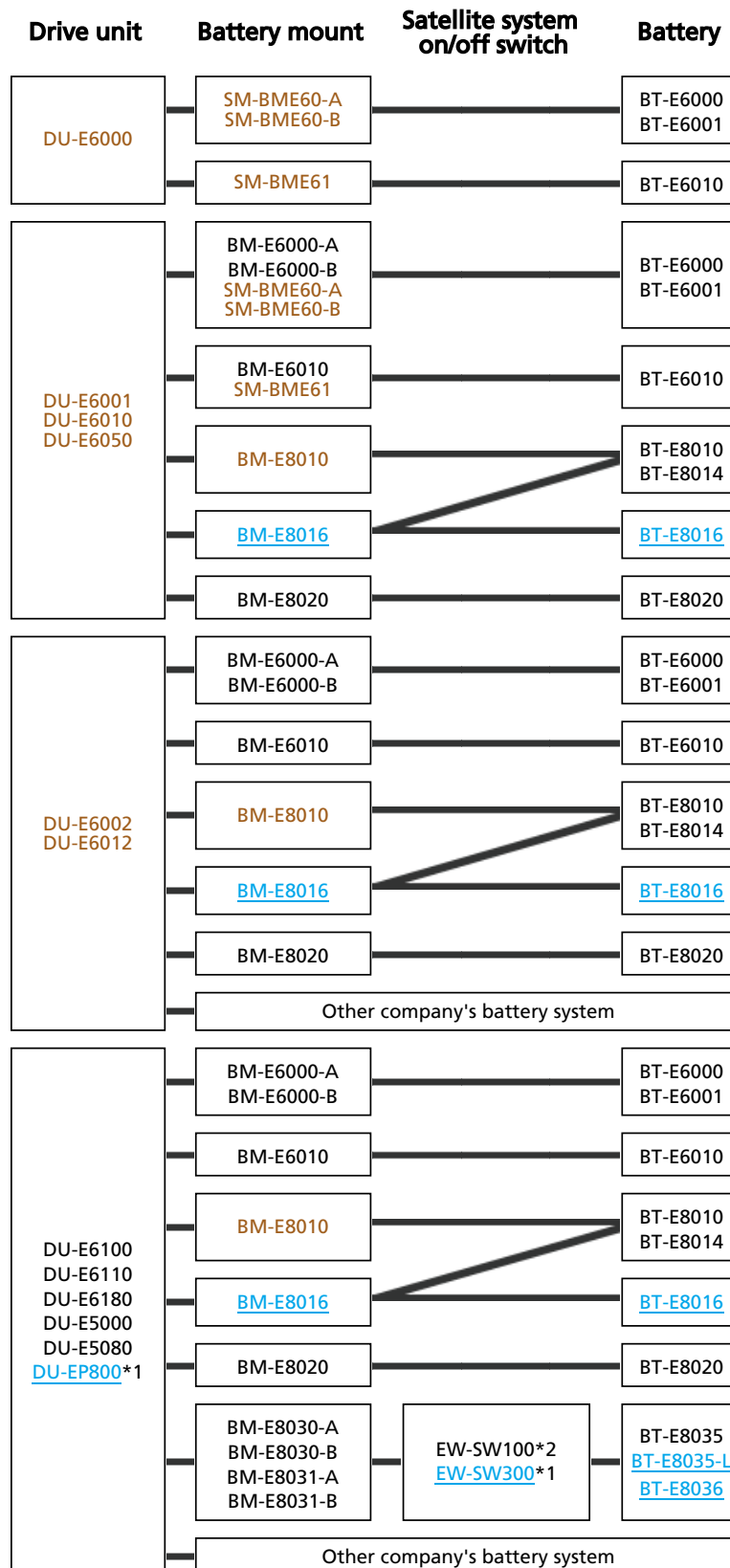
Brake lever for mechanical brake (Mechanical disc brake / V-BRAKE / Caliper brake / Cantilever brake)

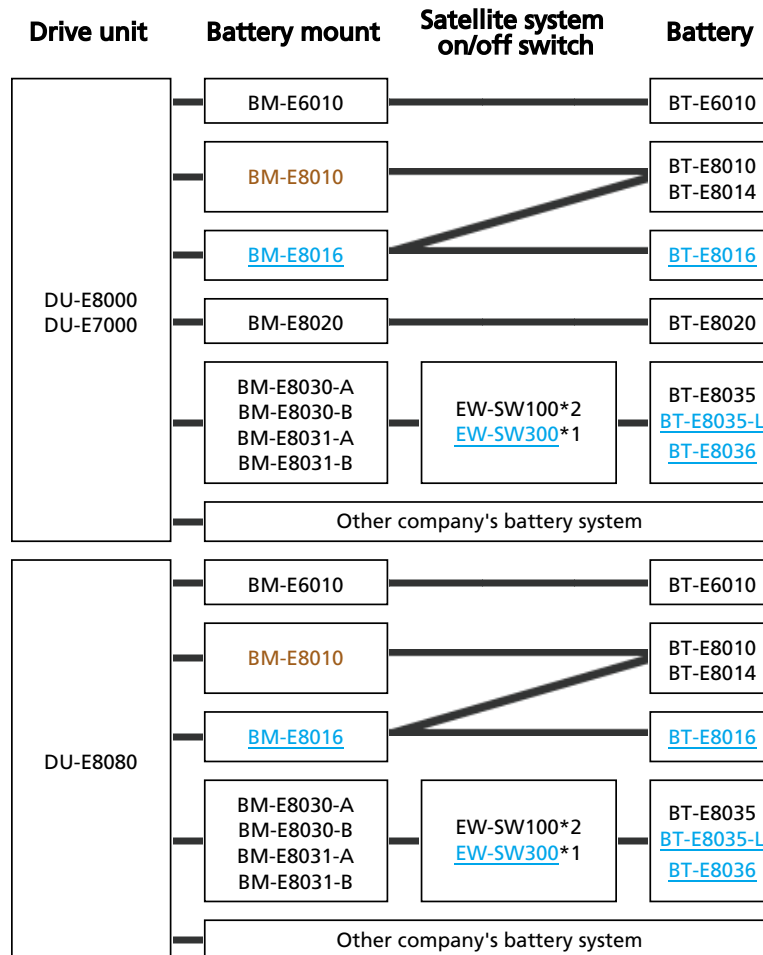
Refer to SPEC HANDBOOK for compatible brake type.

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer						
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000	SC-E5003
BL-T610	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T611	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T4000	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-T4010	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-C6010	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-4700	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-R3000	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-R2000	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-R780	✓	✓	✓	✓	✓	✓	✓	✓	✓
BL-R550	✓	✓	✓	✓	✓	✓	✓	✓	✓

Battery

Batteries shipped in the country / region are different.





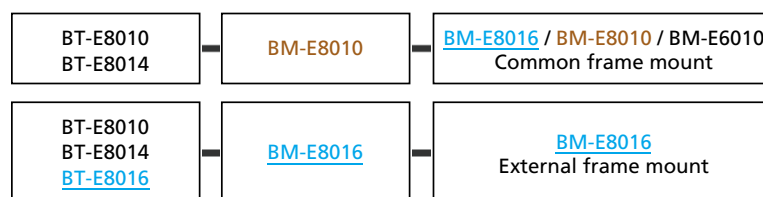
Limitation of function

*1: This unit has SD300 port, and needs [EW-AD305](#) for connection to SD50 port unit.

*2: Can't use with [SC-E6010](#)

External frame mount type

MTB, URBAN, Trekking use



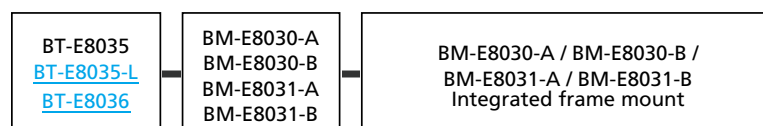
Integrated frame mount type

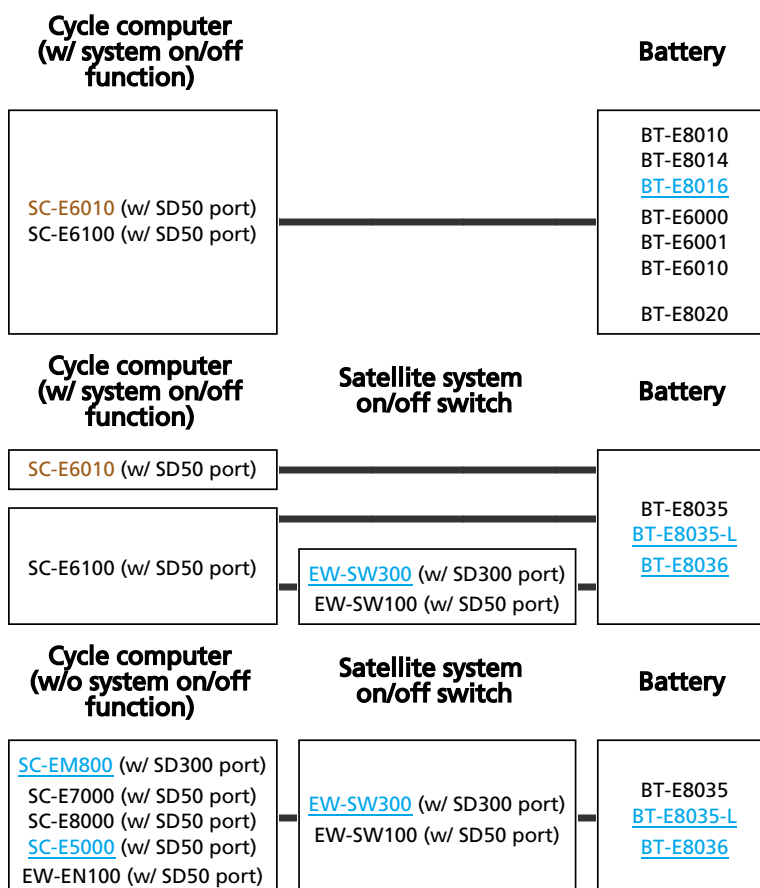


MTB, URBAN, Trekking use

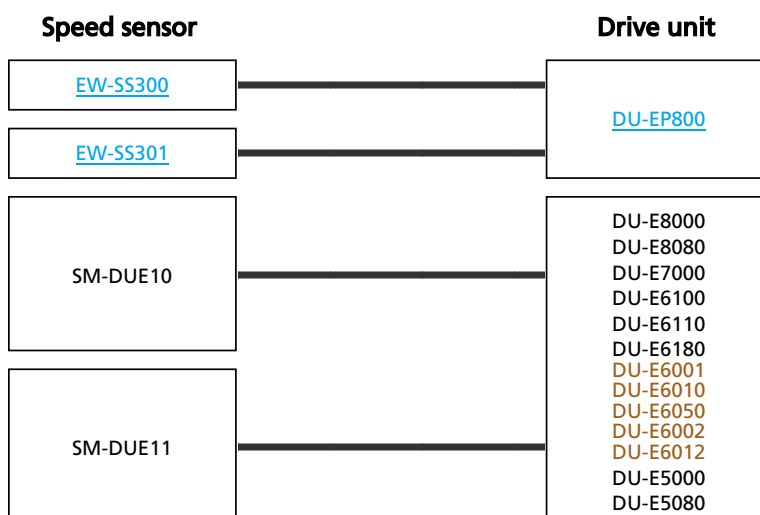


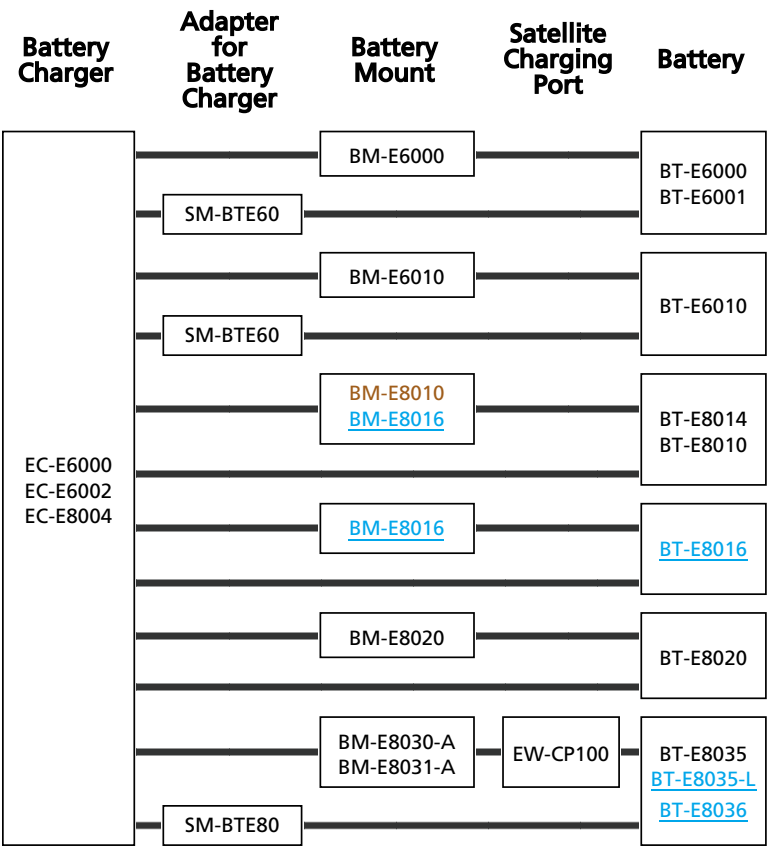
ROAD, MTB, URBAN, Trekking use





Speed sensor and drive unit compatibility

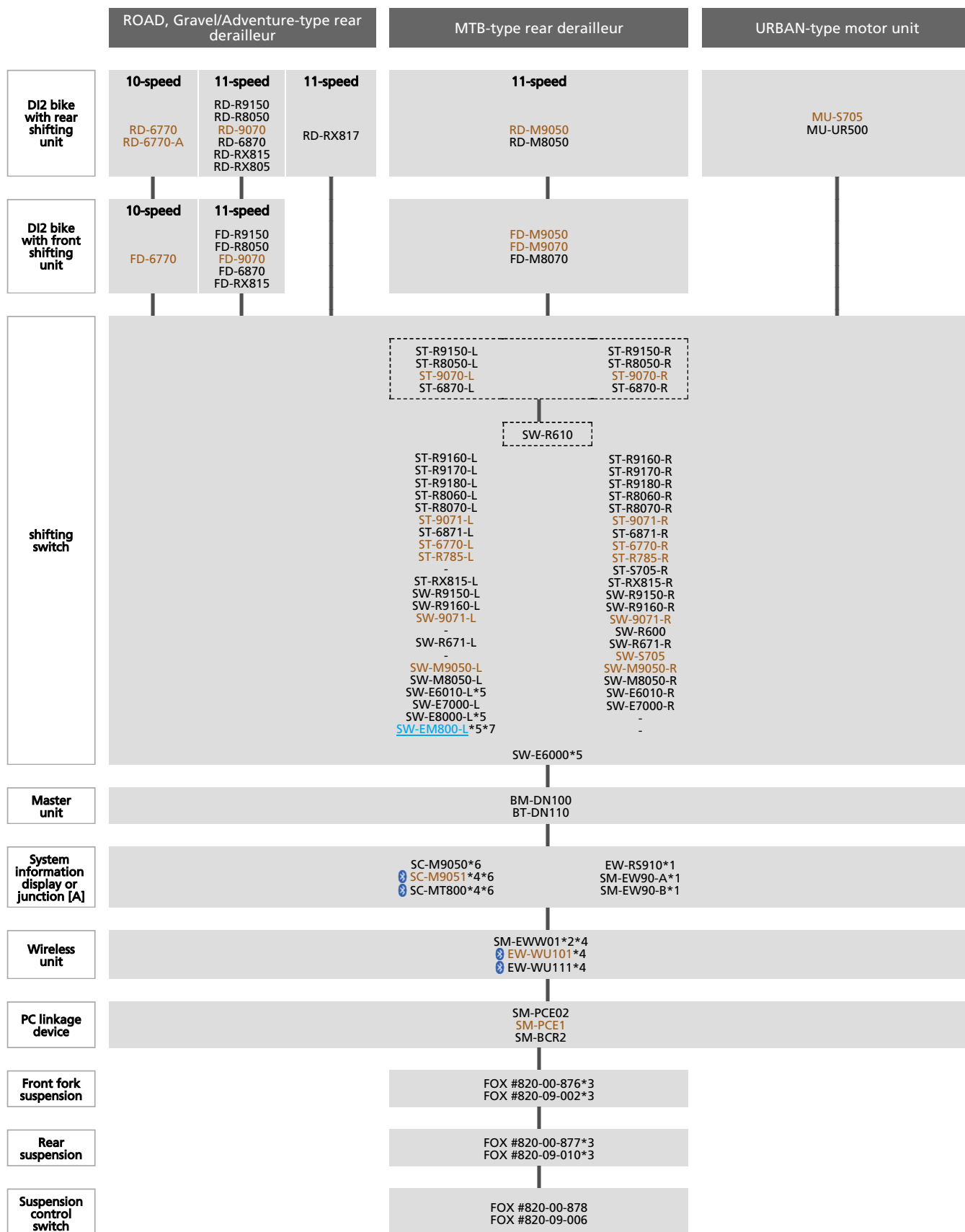




E-TUBE compatibility chart with E-TUBE PROJECT ver.3.5.0

C-473

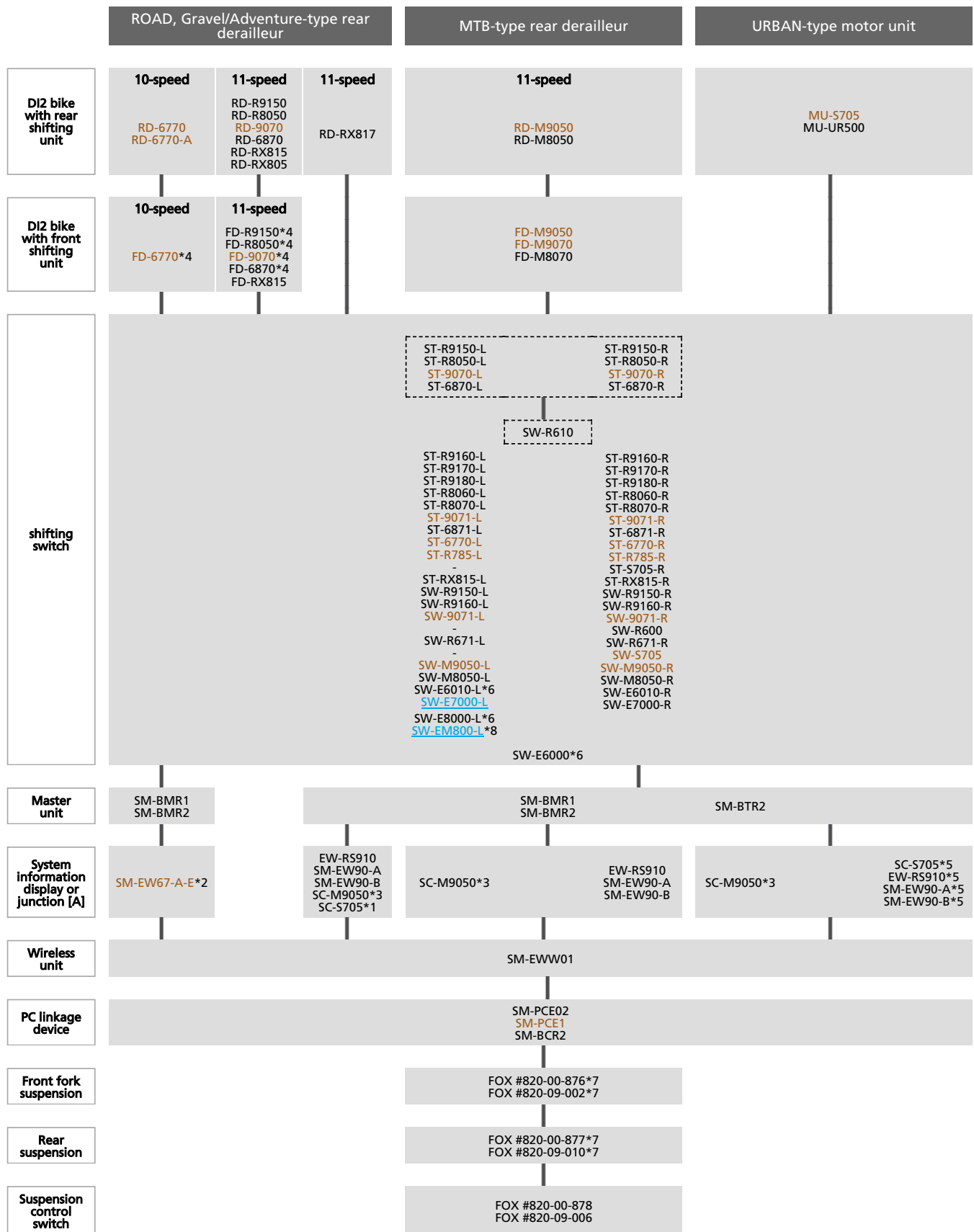
DI2 with BM-DN100 / BT-DN110



Limitation of function with BM-DN100 / BT-DN110

- *1 Shifting adjustment mode for **MU-S705** and MU-UR500 is not supported (need E-TUBE PROJECT to adjust).
- *2 Not possible to connect to E-TUBE PROJECT for tablet/smartphone, as no support for Bluetooth®LE.
- *3 A designated control switch and/or the combination **SV-M9050**/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.

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 shifting switch.

*2 SM-BCR2 requires any device which has charging connector.

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 and MU-UR500 is not supported (need E-TUBE PROJECT to adjust).

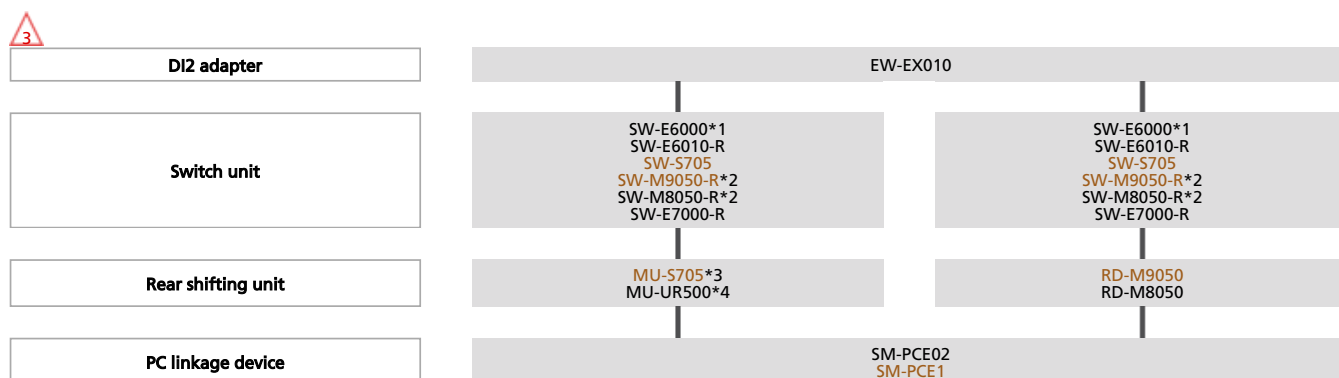
*6 Need to change Switch setting by E-TUBE PROJECT.

*7 A designated control switch is needed to operate the suspension system.

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

DI2 adapter compatibility

C-429



Limitation of function

*1: Need to change switch setting by E-TUBE PROJECT

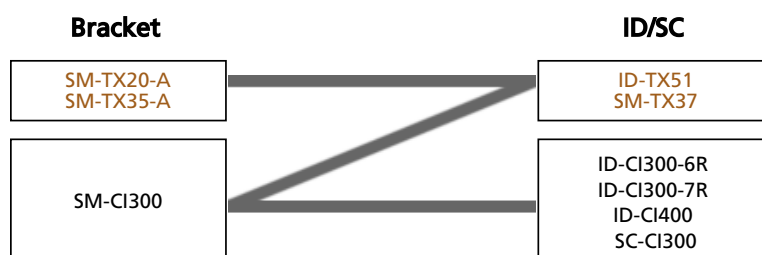
*2: Cannot change manual shift to full automatic shift and its opposite.

*3: Full automatic shift is available only with internal geared hub by MU-UR500 / MU-S705 (Not available with Rear Derailleur and INTER-5E)

*4: Compatible with 8-speed and 11-speed internal geared hub system only.

Compatibility between Bracket and ID/SC

C-548



User's manual / Dealer's manual

C-475

Please note that SHIMANO provides 2 styles of service instructions for better service on our products. User manual, this comes together with product, which provide basic information for consumer basis. Dealer manual, this is available on our website for business customers which contains more technical and professional information on how to assemble and maintain the performance of SHIMANO products on bike.

We retain all service instruction and new formats of information are available at si.shimano.com for customers' convenience.

Technical information

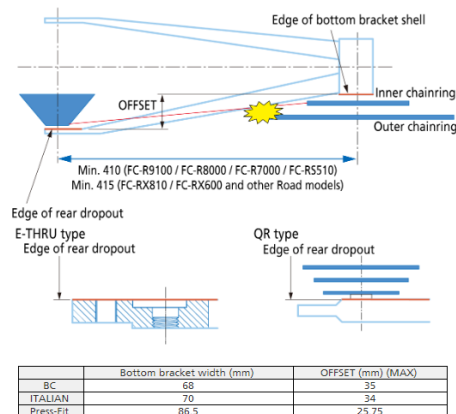
Update history

April 21, 2020 (Ver 2.6)

[C-014 Frame Requirement / Chainstay and seat tube / Chainstay length / Inner/Top \[ROAD, Gravel/Adventure\]](#) - Revised (Change "Edge of rear dropout" to "O.L.D. end face"), Added (OFFSET in case of E-THRU type)

version 2.5 - April 7, 2020

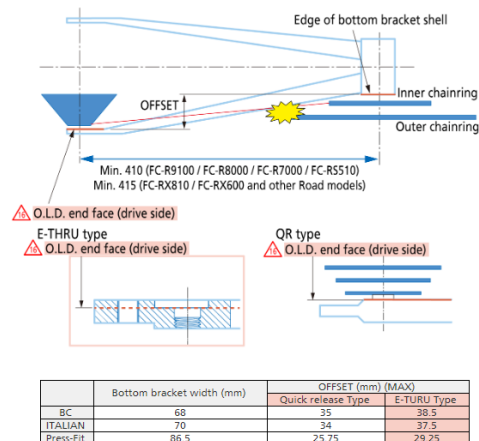
It is related O.L.D. 135 mm / 142 mm (E-THRU) ROAD, Cyclocross and Gravel/Adventure, set the dimensions max. 35mm from edge of bottom bracket shell to edge of rear dropout. When the chain is on the front inner chainring x top position of cassette sprocket, reduced clearance between chain and leading teeth might cause chain to spontaneously shift to outer chainring, which may lead to loss of control of bicycle.



version 2.6 - April 21, 2020



It is related O.L.D. 135 mm / 142 mm (E-THRU) ROAD, Cyclocross and Gravel/Adventure, set the maximum dimension from edge of bottom bracket shell to **O.L.D. end face (drive side)** as shown in the table below. When the chain is on the front inner chainring x top position of cassette sprocket, reduced clearance between chain and leading teeth might cause chain to spontaneously shift to outer chainring, which may lead to loss of control of bicycle.



[C-568 E-BIKE components / Crank arm / Crank arm Dimensions / Chainrings \(w/o CG\)](#) - Revised (All models, Dimension y2, y4)

version 2.5 - April 7, 2020



Chainring	T	Chain line	x2	x5	x8	y2	y4	y8
SM-CRE70	38	50	47.5	41.0	-	159.5	-	-
SM-CRE70-B	34	53	50.5	44.0	43.3	143.4	-	44.2
SM-CRE70-12-B	36					152.3		
SM-CRE80	34	50	46.8	41.0	-	143.4	-	-
SM-CRE80-B	38					159.5	119.3	-
SM-CRE80-12-B	36	53	49.8	44.0	43.3	143.4	-	44.2
SM-CRE80-12-B	34					152.3		
SM-CRE80-R	47	50	47.4	40.9	-	196.3	-	-
SM-CRE80-12-SB	34	56.5	53.2	47.4	-	143.4	119.3	-
SM-CRE80-12-SB	36					154.3		

version 2.6 - April 21, 2020



Chainring	T	Chain line	x2	x5	x8	y2	y4	y8
SM-CRE70	38	50	47.5	41.0	-	79.8	-	-
SM-CRE70-B	34	53	50.5	44.0	43.3	71.7	-	44.2
SM-CRE70-12-B	36					76.2		
SM-CRE80	34	50	46.8	41.0	-	71.7	-	-
SM-CRE80-B	38					79.8	59.7	-
SM-CRE80-12-B	36	53	49.8	44.0	43.3	71.7	-	44.2
SM-CRE80-12-B	34					76.2		
SM-CRE80-R	47	50	47.4	40.9	-	98.2	-	-
SM-CRE80-12-SB	34	56.5	53.2	47.4	-	71.7	-	-
SM-CRE80-12-SB	36					77.2		

[C-569 E-BIKE components / Crank arm / Crank arm Dimensions / Chainrings \(w/ double CG\)](#) - Revised (All models, Dimension y1, y2)

version 2.5 - April 7, 2020



Chainring	T	Chain line	x1	x2	x3	y1	y2
SM-CRE70	38	50	52.8	47.5	39.9	170.2	159.5
SM-CRE70-12	42		52.6	47.5	39.6	187.2	176.5
SM-CRE80	44		52.5	47.3	40.1	194.5	183.8

version 2.6 - April 21, 2020

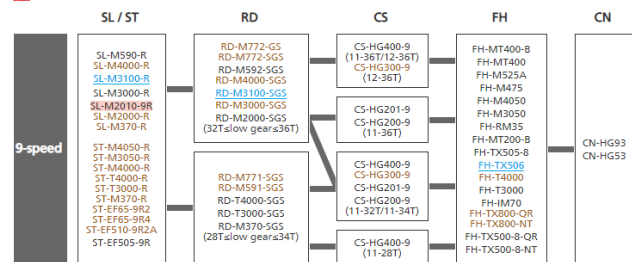


Chainring	T	Chain line	x1	x2	x3	y1	y2
SM-CRE70	38	50	52.8	47.5	39.9	85.1	79.8
SM-CRE70-12	42		52.6	47.5	39.6	93.6	88.3
SM-CRE80	44		52.5	47.3	40.1	97.3	91.9

April 7, 2020 (Ver 2.5)

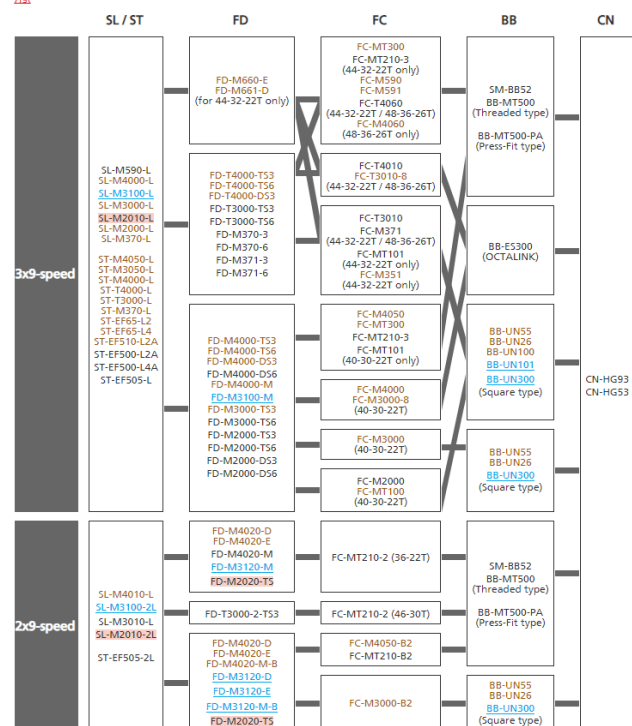
[C-437 Compatibility / Drivetrain for MTB components / Rear drivetrain compatibility \[MTB\] / 9-speed rear drivetrain \[MTB\]](#) - Added (SL-M2010-9R)

version 2.5 - April 7, 2020



[C-445 Compatibility / Drivetrain for MTB components / Front drivetrain compatibility \[MTB\] / 9-speed FC-FD compatibility \[MTB\]](#) - Added (SL-M2010-L/2L, FD-M2020-TS)

version 2.5 - April 7, 2020



C-511 Compatibility / E-BIKE compatibility chart / Battery and battery mount compatibility - Revised (BM-E8016/BT-E8016 compatibility)

version 2.4 - March 24, 2020



Drive unit	Battery mount	Satellite system on/off switch	Battery
DU-E6000	SM-BME60-A SM-BME60-B		BT-E6000 BT-E6001
	SM-BME61		BT-E6010
DU-E6001 DU-E6010 DU-E6050	BM-E6000-A BM-E6000-B SM-BME60-A SM-BME60-B		BT-E6000 BT-E6001
	BM-E6010 SM-BME61		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
DU-E6002 DU-E6012	BM-E6000-A BM-E6000-B		BT-E6000 BT-E6001
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
DU-E6100 DU-E6110 DU-E6180 DU-E5000 DU-E5080 DU-EP800*1	Other company's battery system		
	BM-E6000-A BM-E6000-B		BT-E6000 BT-E6001
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
	Other company's battery system		

version 2.5 - April 7, 2020



Drive unit	Battery mount	Satellite system on/off switch	Battery
DU-E6000	SM-BME60-A SM-BME60-B		BT-E6000 BT-E6001
	SM-BME61		BT-E6010
DU-E6001 DU-E6010 DU-E6050	BM-E6000-A BM-E6000-B SM-BME60-A SM-BME60-B		BT-E6000 BT-E6001
	BM-E6010 SM-BME61		BT-E6010
	BM-E8010		BT-E8010 BT-E8014
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
DU-E6002 DU-E6012	BM-E6000-A BM-E6000-B		BT-E6000 BT-E6001
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
DU-E6100 DU-E6110 DU-E6180 DU-E5000 DU-E5080 DU-EP800*1	Other company's battery system		
	BM-E6000-A BM-E6000-B		BT-E6000 BT-E6001
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
	Other company's battery system		



Drive unit	Battery mount	Satellite system on/off switch	Battery
DU-E8000 DU-E7000	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
DU-E8080	Other company's battery system		
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
	Other company's battery system		



Drive unit	Battery mount	Satellite system on/off switch	Battery
DU-E8000 DU-E7000	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
DU-E8080	Other company's battery system		
	BM-E6010		BT-E6010
	BM-E8010 BM-E8016		BT-E8010 BT-E8014 BT-E8016
	BM-E8016		BT-E8016
	BM-E8020		BT-E8020
	BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B	EW-SW100*2 EW-SW300*1	BT-E8035 BT-E8035-L BT-E8036
	Other company's battery system		

C-515 Frame Requirement / Bottom bracket / Cartridge type bottom bracket dimensions - Revised (BB-UN300-*, Dimension A and B)

version 2.4 - March 24, 2020



Model No.	Spindle type	Structure type	Axle length (mm)	Shell width (mm)	A (mm)	B (mm)	C (mm)	D (mm)	T (mm)
BB-UN300	Square	Standard	MM107	68 (BC1.37)	ø34.8	ø36	0	3.3	-
			MM110	69 (BC1.37)					
			LL113	73 (BC1.37)					
			D-H115	68 (BC1.37)					
			117.5	68 (BC1.37)					
			XL118	68 (BC1.37)					
			D-NL122	73 (BC1.37)					
			D-EL127	68 (BC1.37)					
			LL123	68 (BC1.37)					
			LL123	68 (BC1.37)					
BB-UN300-E	E-type		LL123	68 (BC1.37)		ø38			2.5*
BB-UN300-K	For chain case		MM110	68 (BC1.37)	ø36				ø2.5
			117.5						
			XL118						
			D-NL122						
			D-EL127						
			LL123						

version 2.5 - April 7, 2020

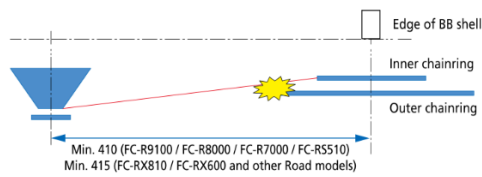


Model No.	Spindle type	Structure type	Axle length (mm)	Shell width (mm)	A (mm)	B (mm)	C (mm)	D (mm)	T (mm)
BB-UN300	Square	Standard	MM107	68 (BC1.37)	ø34.8	ø38	0	3.3	-
			MM110	69 (BC1.37)					
			LL113	73 (BC1.37)					
			D-H115	68 (BC1.37)					
			117.5	68 (BC1.37)					
			XL118	68 (BC1.37)					
			D-NL122	73 (BC1.37)					
			D-EL127	68 (BC1.37)					
			LL123	68 (BC1.37)					
			LL123	68 (BC1.37)					
BB-UN300-E	E-type		LL123	68 (BC1.37)		ø38			2.5*
BB-UN300-K	For chain case		MM110	68 (BC1.37)	ø36				ø2.5
			117.5						
			XL118						
			D-NL122						
			D-EL127						
			LL123						

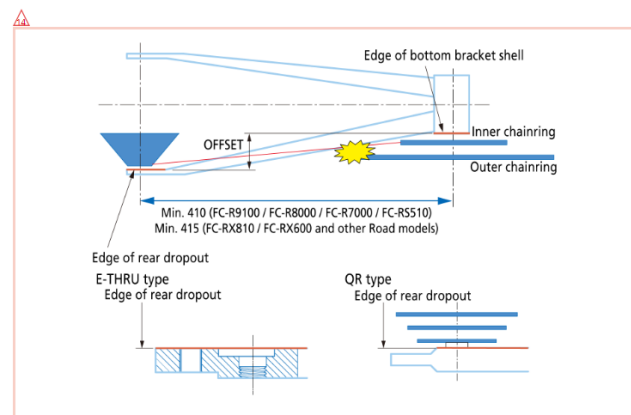
March 24, 2020 (Ver 2.4)

C-014 Frame Requirement / Chainstay and seat tube / Chainstay length / Inner/Top [ROAD, Gravel/Adventure] - Revised (Illustration)

version 2.3 - March 10, 2020



version 2.4 - March 24, 2020



C-036 Frame Requirement / Rear dropout / Front/Rear dropout thickness and QR skewer length - Revised (Alloy QR lever for MTB 141 mm O.L.D.)

version 2.3 - March 10, 2020

		O.L.D.	Dropout thickness (mm)		QR skewer length (mm)		
			Left hand dropout	Right hand dropout	Left/Right Total	Alloy QR lever	Steel QR lever
Rear	MTB	141	6 - 8	6 - 8	12 - 16	-	172
			8 - 10		16 - 20	-	176
		135	6 - 8	6 - 8	12 - 16	168	166
		135	8 - 10	8 - 10	16 - 20	173	170
		130	6 - 8	6 - 8	12 - 16	-	161
		135	6 - 8	6 - 8	12 - 16	168	166
	ROAD Cyclocross	135	8 - 10	8 - 10	16 - 20	173	170
		130	6 - 8	6 - 8	12 - 16	163	161
		130	8 - 10	8 - 10	16 - 20	168	-
		100	5 - 6	5 - 6	10 - 12	129	129
Front	ROAD Cyclocross URBAN	100	6 - 8	6 - 8	12 - 16	133	133
			7.5 - 9.5	7.5 - 9.5	15 - 19	136	136

version 2.4 - March 24, 2020

A		O.L.D. (mm)	Dropout thickness (mm)			QR skewer length (mm)	
			Left hand dropout	Right hand dropout	Left/Right Total	Alloy QR lever	Steel QR lever
Rear	MTB	141	6 - 8	6 - 8	12 - 16	174	172
		135	8 - 10	8 - 10	16 - 20	178	176
		135	6 - 8	6 - 8	12 - 16	168	166
		135	8 - 10	8 - 10	16 - 20	173	170
		130	6 - 8	6 - 8	12 - 16	-	161
		135	6 - 8	6 - 8	12 - 16	168	166
	ROAD Cyclocross	135	8 - 10	8 - 10	16 - 20	173	170
		130	6 - 8	6 - 8	12 - 16	163	161
		130	8 - 10	8 - 10	16 - 20	168	-
		MTB ROAD Cyclocross URBAN	100	5 - 6	5 - 6	10 - 12	129
Front	100		6 - 8	6 - 8	12 - 16	133	133
			7.5 - 9.5	7.5 - 9.5	15 - 19	136	136

C-261 Product Information / Hub / Front hub dimension [MTB,Trekking] - Revised (HB-T610, dimension E)

version 2.3 - March 10, 2020

Model No.	QR type	A O.L.D.	B Flange distance	C Offset	D / D' P.C.D.	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'
HB-T610	✓	100	71.6	-	40	168 (173)	ø2.6	48.4	3.2 / 3.2	ø20.0	ø19.5	4	4
HB-T3000						133		48.4					
HB-TX500-QR						129 (133)		46					
HB-TX500-NT						-							

version 2.4 - March 24, 2020

Model No.	QR type	A O.L.D.	B Flange distance	C Offset	D / D' P.C.D.	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'
HB-T610	✓	100	71.6	-	40	133	ø2.6	48.4	3.2 / 3.2	ø20.0	ø19.5	4	4
HB-T3000						133		48.4					
HB-TX500-QR						129 (133)		46					
HB-TX500-NT						-							

C-299 Compatibility / Spoke protector / MTB - Added (Spoke protector models for several wheels)

version 2.4 - March 24, 2020



Speed	Model No.	Cassette sprocket								Spoke protector model			
		Cassette sprocket low gear No.								WH-M8100	WH-M8120	WH-MT620	WH-MT601
12-speed	CS-M9100	-	-	-	-	-	-	-	✓	-	-	-	-
	CS-M8100	-	-	-	-	-	-	✓	✓	CP-WH28	CP-WH29 (for 10-51T)	CP-WH27 (for 10-51T)	CP-WH27 (for 10-51T)
	CS-M7100	-	-	-	-	-	-	✓	✓	-	CP-WH32 (for 10-45T)	CP-WH31 (for 10-45T)	CP-WH31 (for 10-45T)
	CS-M6100	-	-	-	-	-	-	-	-	-	-	-	-
11-speed	CS-M9001	-	-	-	-	✓	-	-	-	-	-	-	-
	CS-M8000	-	-	-	-	✓	✓	✓	✓	CP-WH17-A	-	-	-
	CS-M7000	-	-	-	-	✓	✓	✓	✓	CP-WH17-A	-	-	-
	CS-M5100	-	-	-	-	-	✓	-	✓	-	-	-	-
10-speed	CS-M4100	-	-	-	-	-	✓	-	✓	-	-	-	-
	CS-M7711-10	-	-	✓	✓	✓	-	-	-	-	-	-	-
	CS-HG81-10	-	-	✓	✓	-	-	-	-	-	-	-	-
	CS-HG500-10	-	-	-	-	-	✓	-	-	-	-	-	-
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	-	-
	CS-HG400-9	-	-	✓	✓	✓	-	-	-	-	-	-	-
	CS-HG300-9	-	-	✓	✓	✓	-	-	-	-	-	-	-
	CS-HG201-9	-	-	✓	✓	✓	-	-	-	-	-	-	-



Speed	Model No.	Cassette sprocket								Spoke protector model		
		Cassette sprocket low gear No.								WH-MT501	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600
12-speed	CS-M9100	-	-	-	-	-	-	✓	✓	CP-WH27 (for 10-51T)	-	-
	CS-M8100	-	-	-	-	-	-	✓	✓	CP-WH31 (for 10-45T)	-	-
	CS-M7100	-	-	-	-	-	-	✓	✓	-	-	-
	CS-M6100	-	-	-	-	-	-	-	-	-	-	-
11-speed	CS-M9001	-	-	-	-	✓	-	-	-	-	CP-WH17-A	CP-WH26
	CS-M8000	-	-	-	-	✓	✓	✓	✓	-	CP-WH17-A	CP-WH26
	CS-M7000	-	-	-	-	✓	✓	✓	✓	-	CP-WH17-A	CP-WH26
	CS-M5100	-	-	-	-	-	✓	-	✓	-	-	-
10-speed	CS-M4100	-	-	-	-	-	✓	-	✓	-	-	-
	CS-M7711-10	-	-	✓	✓	✓	-	-	-	-	-	CP-WH16
	CS-HG81-10	-	-	✓	✓	✓	-	-	-	-	-	CP-WH16
	CS-HG500-10	-	-	-	-	-	✓	-	-	-	-	-
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	-	-	CP-WH16
	CS-HG400-9	-	-	✓	✓	✓	-	-	-	-	-	-
	CS-HG300-9	-	-	✓	✓	✓	-	-	-	-	-	-
	CS-HG201-9	-	-	✓	✓	✓	-	-	-	-	-	-



Speed	Model No.	Cassette sprocket								Spoke protector model		
		Cassette sprocket low gear No.								WH-MT500	WH-MT66-29	WH-MT35 WH-MT35-275 WH-MT15-A-275 WH-MT15-A-29
12-speed	CS-M9100	-	-	-	-	-	-	✓	✓	-	-	-
	CS-M8100	-	-	-	-	-	-	✓	✓	-	-	-
	CS-M7100	-	-	-	-	-	-	✓	✓	-	-	-
	CS-M6100	-	-	-	-	-	-	-	✓	-	-	-
11-speed	CS-M9001	-	-	-	-	✓	-	-	-	-	-	-
	CS-M8000	-	-	-	-	✓	✓	✓	✓	-	-	-
	CS-M7000	-	-	-	-	✓	✓	✓	✓	-	-	-
	CS-M5100	-	-	-	-	-	✓	-	✓	-	-	-
10-speed	CS-M4100	-	-	-	-	-	✓	-	✓	-	-	-
	CS-M7711-10	-	-	✓	✓	✓	-	-	-	CP-WH21	CP-WH16	CP-WH12
	CS-HG81-10	-	-	✓	✓	-	-	-	-	CP-WH21	CP-WH16	CP-WH12
	CS-HG500-10	-	-	-	-	-	✓	-	-	CP-WH21	CP-WH16	CP-WH12
9-speed	CS-HG50-10	-	-	-	-	✓	-	-	-	CP-WH21	CP-WH16	CP-WH12
	CS-HG400-9	-	-	✓	✓	✓	-	-	-	-	CP-WH16	CP-WH12
	CS-HG300-9	-	-	✓	✓	✓	-	-	-	-	CP-WH16	CP-WH12
	CS-HG201-9	-	-	✓	✓	✓	-	-	-	-	CP-WH16	CP-WH12

C-414 E-BIKE components / Battery and battery mount / Packing case (Class 9) - Added (BT-E8036/E8035-L/E8016)

version 2.4 - March 24, 2020



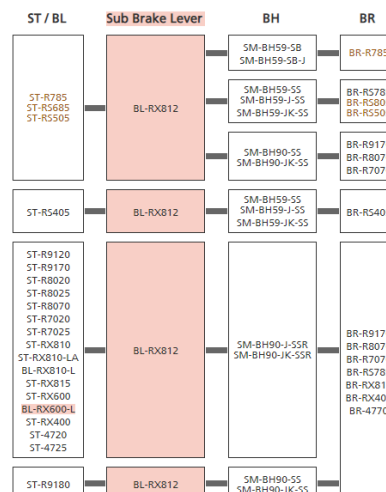
Model No.	L	W	H
BT-E8036	481	177	163
BT-E8035-L	481	177	163
BT-E8035	448	180	
BT-E8020	448	180	
BT-E8016	377	147	169
BT-E8014	377	147	169
BT-E8010	448	180	
BT-E8000	448	180	
BT-E8001	448	180	
BT-E8010	448	180	

[C-499 Compatibility / Drivetrain for ROAD, Gravel/Adventure, URBAN \(METREA\) components / Hydraulic systems compatibility \[ROAD, Gravel/Adventure\] - Added \(BL-RX812, BL-RX600-L\)](#)

version 2.4 - March 24, 2020



C-499



[C-541 Product Information / Hub / FREEHUB dimension \[MTB,Trekking\] - Revised \(FH-MT500-*/MT401-*, dimension E\)](#)

version 2.3 - March 10, 2020



Model No.	A O.L.D.	B Flange distance	C Off set	D / D' P.C.D.	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'	R	S	U Low gear contact face to flange
FH-M8000				44	168 (173)		ø52.8								
FH-M6000		57.4	6.6	45	166 (170)		ø53.8						40.75	24.3	4.7
FH-M4050															
FH-M3050															
FH-MT500	135	55.2	6.7	61	161	170	ø69.9	ø69.8					36.2	24.25	10.4
FH-MT401		55.17	6.72	61	161	166 (170)	ø69.9	ø69.8					36.2	24.25	10.4
FH-RM35		57.4	6.6	45	166 (170)	ø2.6	ø54	ø53.8	3.2 / 3.5	ø20.0	ø19.5	5.5	40.75	24.3	4.7
FH-TX505-8		59.5	5.6				ø53.8	ø68.8					38.1	24.25	5.3
FH-TY505-7		62.2	6.2	61	160	176	ø69.9	ø68.8					36.2	24.25	9.8
FH-MT500-B		61.6	6.6	61	160	175	ø69.9	ø68.8					36.2	24.25	10.4
FH-MT401-B							ø53.8	ø53.8							
FH-MT200-B (32H, 36H)	141	63.4	6.6	45	172 (176)		ø54.8	ø54.8					40.75	24.25	4.7

version 2.4 - March 24, 2020



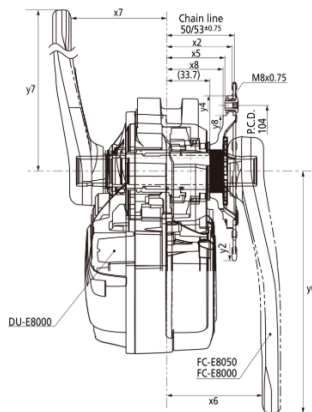
Model No.	A O.L.D.	B Flange distance	C Off set	D / D' P.C.D.	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'	R	S	U Low gear contact face to flange
FH-M8000				44	168 (173)		ø52.8								
FH-M6000		57.4	6.6	45	166 (170)		ø54	ø53.8					40.75	24.3	4.7
FH-M4050															
FH-M3050															
FH-MT500	135	55.2	6.7	61	161	170	ø69.9	ø69.8					36.2	24.25	10.4
FH-MT401		55.17	6.72	61	161	166 (170)	ø69.9	ø69.8					36.2	24.25	10.4
FH-RM35		57.4	6.6	45	166 (170)	ø2.6	ø54	ø53.8	3.2 / 3.5	ø20.0	ø19.5	5.5	40.75	24.3	4.7
FH-TX505-8		59.5	5.6				ø53.8	ø68.8					38.1	24.25	5.3
FH-TY505-7		62.2	6.2	61	160	174	ø69.9	ø68.8					36.2	24.25	9.8
FH-MT500-B		61.6	6.6	61	160	178	ø69.9	ø68.8					36.2	24.25	10.4
FH-MT401-B							ø53.8	ø53.8							
FH-MT200-B (32H, 36H)	141	63.4	6.6	45	172 (176)		ø54.8	ø54.8					40.75	24.25	4.7

C-568 E-BIKE components / Crank arm / Crank arm Dimensions / Chainrings (w/o CG) - Revised (All the contents was revised)

version 2.3 - March 10, 2020

Crankarms and chainrings (w/o CG) C-568

Dimension "X" is based on case of chain line: 50/53 mm



Crank arm	Chainring	x2	x5	x6	x7	x8	y2	y4	y6	y7	y8
FC-M8150	SM-CRE80-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-R-47T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-38T	47.5	42.2	-	-	81.3	-	-	-	-	-
	SM-CRE80-34T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE80-B-38T	-	-	-	-	81.3	61	191.9	191.9	-	-
FC-M8050	SM-CRE80-B-34T	50.5	45.2	-	-	43.8	73.3	-	-	-	45.5
	SM-CRE80-R-47T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE70-38T	47.4	42.2	72.6	72.6	-	80	61	191.9	191.9	-
	SM-CRE70-B-34T	50.5	45.2	72.6	72.6	43.8	73.3	61	191.9	191.9	45.5
	SM-CRE80-38T	47.5	42.2	-	-	81.3	-	-	-	-	-
	SM-CRE80-34T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE80-B-38T	50.5	45.2	-	-	43.8	81.3	61	191.8	191.8	-
	SM-CRE80-B-34T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE80-R-47T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE70-38T	47.4	42.2	72.6	72.6	-	80	61	191.8	191.8	-
FC-E8050	SM-CRE70-B-34T	50.5	45.2	72.6	72.6	43.8	73.3	61	191.8	191.8	45.5
	SM-CRE80-38T	47.5	42.2	-	-	81.3	-	-	-	-	-
	SM-CRE80-34T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE80-B-38T	50.5	45.2	-	-	43.8	81.3	61	192.7	192.7	-
	SM-CRE80-B-34T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE80-R-47T	-	-	-	-	73.3	-	-	-	-	-
	SM-CRE70-38T	47.4	42.2	74.4	74.4	-	80	61	192.7	192.7	-
	SM-CRE70-B-34T	50.5	45.2	74.4	74.4	43.8	73.3	61	192.7	192.7	45.5
	SM-CRE80-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-E8000	SM-CRE80-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-R-47T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-R-47T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-EM600	SM-CRE70-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-R-47T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-B-34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

(mm)

For 12-speed

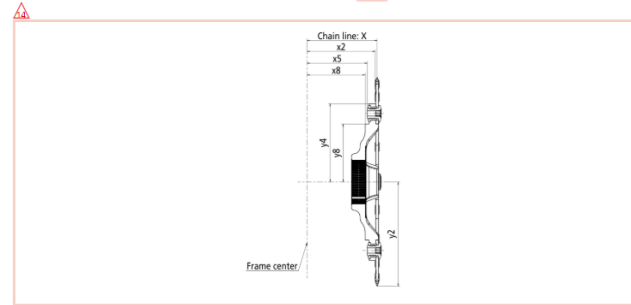
Crank arm	Chainring	x2	x5	x6	x7	x8	y2	y4	y6	y7	y8
FC-M8150	SM-CRE80-12-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-M8050	SM-CRE80-12-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-E8050	SM-CRE80-12-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-E8000	SM-CRE80-12-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-EM600	SM-CRE80-12-B-38T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE80-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	SM-CRE70-12-B-36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

(mm)

version 2.4 - March 24, 2020

Chainrings (w/o CG) C-568

Dimension "X" is based on case of chain line: 50/53/56.5 mm



Chainring	T	Chain line	x2	x5	x8	y2	y4	y8
SM-CRE70	38	50	47.5	41.0	-	159.5	-	-
SM-CRE70-B	34	53	50.5	44.0	43.3	143.4	-	44.2
SM-CRE70-12-B	36	-	-	-	-	152.3	-	-
SM-CRE80	34	50	46.8	41.0	-	143.4	-	-
SM-CRE80-B	38	-	-	-	-	159.5	-	-
SM-CRE80-12-B	34	53	49.8	44.0	43.3	143.4	-	44.2
SM-CRE80-R	38	50	47.4	40.9	-	159.5	-	-
SM-CRE80-12-B	36	56.5	53.2	47.4	-	154.3	119.3	-

(mm)

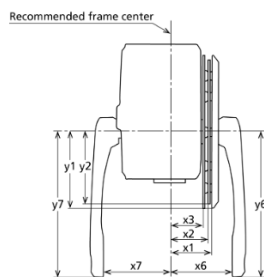
C-569 E-BIKE components / Crank arm / Crank arm Dimensions / Chainrings (w/ double CG) - Revised

(All the contents was revised)

version 2.3 - March 10, 2020

Crankarms and chainrings (w/ CG) C-569

Dimension "X" is based on case of chain line: 50 mm



Crank arm	Chainring	x1	x2	x3	x6	x7	y1	y2	y6	y7
FC-M8050	SM-CRE80 44T	53.4	48.3	41.2	72.6	72.6	100.6	93.9	191.9	191.9
	SM-CRE70 38T	52.1	47.4	40.3	72.6	72.6	86.1	80	191.9	191.9
FC-E8050	SM-CRE80 44T	53.4	48.3	41.2	72.6	72.6	100.6	93.9	191.8	191.8
	SM-CRE70 38T	52.1	47.4	40.3	72.6	72.6	86.1	80	191.8	191.8
FC-E8000	SM-CRE80 44T	53.4	48.3	41.2	73.4	73.4	100.6	93.9	192.7	192.7
	SM-CRE70 38T	52.1	47.4	40.3	74.4	74.4	86.1	80	192.7	192.7

(mm)

For 12-speed

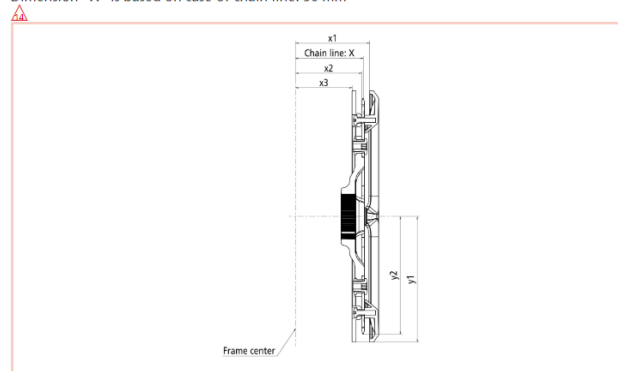
Crank arm	Chainring	x1	x2	x3	x6	x7	y1	y2	y6	y7	y8
FC-M8150	SM-CRE70-12 42T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-M8050	SM-CRE70-12 42T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-E8050	SM-CRE70-12 42T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-E8000	SM-CRE70-12 42T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-EM600	SM-CRE70-12 42T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

(mm)

version 2.4 - March 24, 2020

Chainrings (w/ double CG) C-569

Dimension "X" is based on case of chain line: 50 mm



Chainring	T	Chain line	x1	x2	x3	y1	y2
SM-CRE70	38	50	52.8	47.5	39.9	170.2	159.5
SM-CRE70-12	42		52.6	47.5	39.6	167.2	176.5
SM-CRE80	44		52.5	47.3	40.1	194.5	183.8

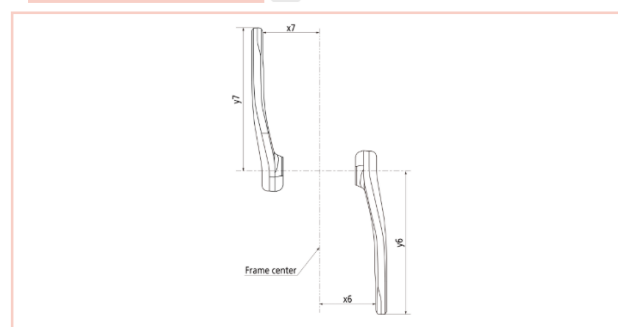
(mm)

C-633 E-BIKE components / Crank arm / Crank arm Dimensions / Drive unit and Crank arms - Added

(Initial release)

version 2.4 - March 24, 2020

Drive unit and Crankarms C-633



Drive unit	Crank arm	x6	x7	y6	y7
DU-EP800	FC-M8150	72.6	73.3	191.9	191.9
	FC-EM900	72.6	73.3	191.9	191.9
	FC-EM600	72.6	73.3	192.5	192.5

(mm)

March 10, 2020 (Ver 2.3)

[C-218 Product Information / Hub roller brake / Chainstay dimensions for securing rear brake arm clip](#)

- Added (BR-C6000-*, In case of left hand washer/lock nut thickness 9.7 mm)

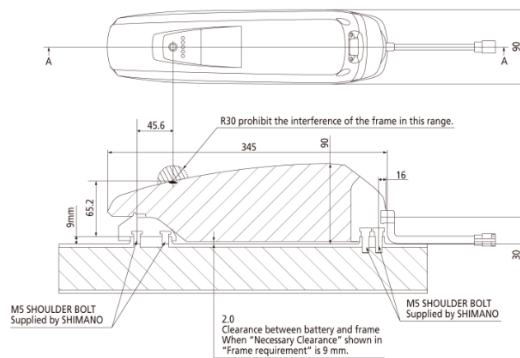
[version 2.3 - March 10, 2020](#)



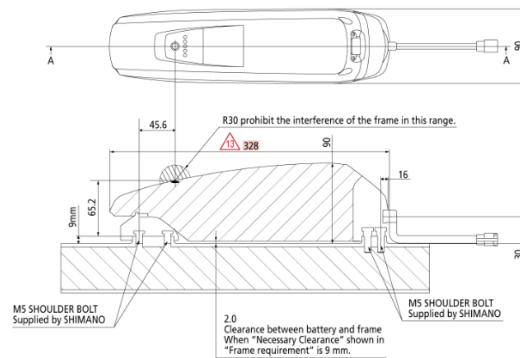
Model Name	T (Thickness: mm)	A (mm)	B (mm)	θ	R (mm)
BR-C3000-R-DX BR-C3000-R	7.2	2.15	5.05	6.5°	100
	8.2	3.15			
	9.7	4.65			
BR-C3010-R	7.2	2.15	5.05	6.5°	100
	8.2	3.15			
	9.7	4.65			
BR-C6000-R-DX BR-C6000-R	7.2	2.15	5.05	6.5°	100
	8.2	3.15			
	9.7	4.65			

[C-412 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / Battery and battery mount dimensions](#) - Revised (BT-E8010/BT-E8014 and BM-E8010, assembly dimension)

[version 2.2 - February 26, 2020](#)



[version 2.3 - March 10, 2020](#)



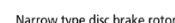
version 2.3 - March 10, 2020

- *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 203 mm (L) disc brake rotors
- *5 For rear only. Not compatible with 203 mm (L) and 180 mm (M) disc brake rotors
- *6 For rear only. Not compatible with 203 mm (L) disc brake rotors.

- *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 203 mm (L) disc brake rotors
- *5 For rear only. Not compatible with 203 mm (L) and 180 mm (M) disc brake rotors
- *6 For rear only. Not compatible with 203 mm (L) disc brake rotors

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-11R300 doesn't need front mount bracket and rear adapter.



Do not use these combinations for a reason of interference between brake caliper and adapter of disc brake rotor .

Ver. 2.6, Apr. 21, 2020, SHIMANO INC.

[C-488 Compatibility / E-BIKE compatibility chart / Drivetrain compatibility](#) - Added (Compatibility of DU-EP800, etc.)

version 2.3 - March 10, 2020

[illegible]

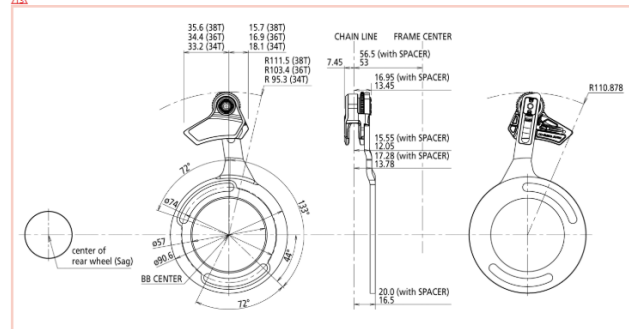
*1 Arm cover packed in 38T w/o CG is designed only for FC-E6100

*2 Only for 53 mm chain line

***3** Only for 53 mm / 56.5 mm chain line

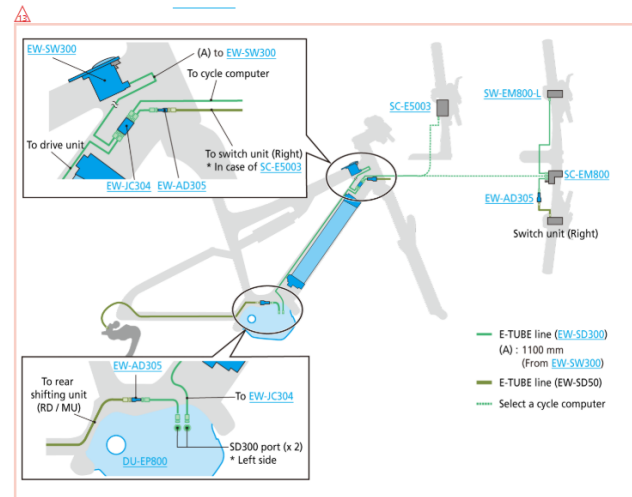
[C-510 E-BIKE components / Chain device / Chain device dimensions](#) - Added (CD-EM800, dimension diagram)

version 2.3 - March 10, 2020

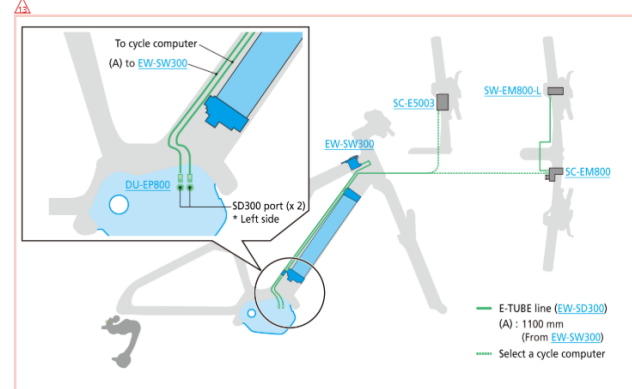


C-611 E-BIKE components / Battery and battery mount / Satellite system on/off switch for E-BIKE / Wiring diagram - Added (In case of EW-SW300)

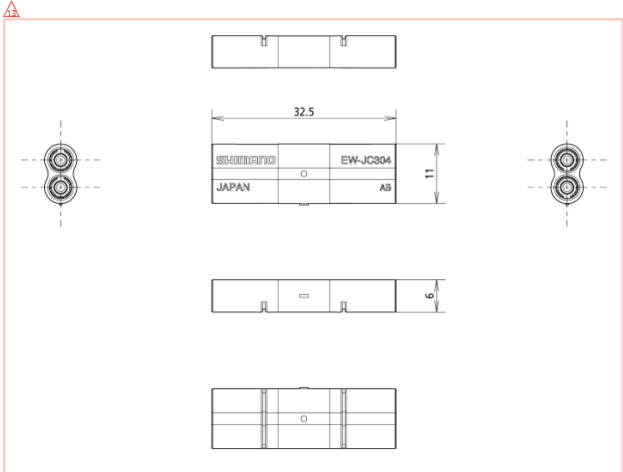
version 2.3 - March 10, 2020



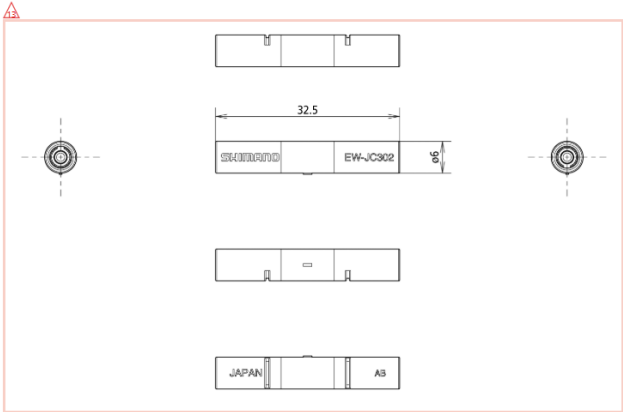
Mechanical shifting spec. (DU-EP800)



version 2.3 - March 10, 2020



EW-JC302



February 26, 2020 (Ver 2.2)

[C-435 Compatibility / Drivetrain for MTB components / Rear drivetrain compatibility \[MTB\] / 11-speed rear drivetrain \[MTB\]](#) - Revised (RD-M5120-SGS is for 1x10-speed)

[version 2.1 - February 13, 2020](#)



	SL	RD	CS	FH / WH	CN
11-speed	SL-M9000-R SL-M9000-IR SL-M8000-R SL-M8000-IR SL-M7000-11-R SL-M7000-11-IR SL-M5100-R SL-M5100-IR	RD-M9000-SGS RD-M8000-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M8000-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed) RD-M7000-11-SGS (32slow gears36T) RD-M5100-SGS (51slow gears51T for 1x11-speed) RD-M5120-SGS (42Tslow gears46T for 1x11-speed, 42T for 2x11 and 2x10-speed) RD-M4120-SGS (42Tslow gears42T for 2x11 and 2x10-speed) RD-M9050-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M9050-GS RD-M8050-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed)	CS-M9001 11-40T CS-M8000 11-40T 11-42T 11-46T CS-M7000-11 11-40T 11-42T 11-46T CS-M5100-11 11-42T 11-51T	FH-M9000 FH-M9010 / -B WH-M9000 WH-M9020 FH-M8000 FH-M8010 / -B WH-M8000 / -B WH-M8020 / -B FH-M7000 FH-M7010 / -B FH-M5110 / -B Other current FREEHUB for MTB 9/10-speed drivetrain	CN-HG901-11 CN-HG701-11 CN-HG601-11
	SW-M9050 SW-M8050				

[version 2.2 - February 26, 2020](#)



	SL	RD	CS	FH / WH	CN
11-speed	SL-M9000-R SL-M9000-IR SL-M8000-R SL-M8000-IR SL-M7000-11-R SL-M7000-11-IR SL-M5100-R SL-M5100-IR	RD-M9000-SGS RD-M8000-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M8000-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed) RD-M7000-11-SGS (32slow gears36T) RD-M5100-SGS (51slow gears51T for 1x11-speed) RD-M5120-SGS (42Tslow gears46T for 1x11-speed, 42T for 2x11 and 2x10-speed) RD-M4120-SGS (42Tslow gears42T for 2x11 and 2x10-speed) RD-M9050-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M9050-GS RD-M8050-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed)	CS-M9001 11-40T CS-M8000 11-40T 11-42T 11-46T CS-M7000-11 11-40T 11-42T 11-46T CS-M5100-11 11-42T 11-51T	FH-M9000 FH-M9010 / -B WH-M9000 WH-M9020 FH-M8000 FH-M8010 / -B WH-M8000 / -B WH-M8020 / -B FH-M7000 FH-M7010 / -B FH-M5110 / -B Other current FREEHUB for MTB 9/10-speed drivetrain	CN-HG901-11 CN-HG701-11 CN-HG601-11
	SW-M9050 SW-M8050				

[C-559 Compatibility / Drivetrain for MTB components / Front drivetrain compatibility \[MTB\] / 12-speed front drivetrain](#) - Added (FC-M9130-1)

[version 2.2 - February 26, 2020](#)



	SL	FD	FC	BB	CN
2x12-speed	SL-M9100-L SL-M9100-IL SL-M8100-L SL-M8100-IL SL-M7100-L SL-M7100-IL	FD-M9100 FD-M8100 FD-M7100	FC-M9100-2 FC-M8100-2 FC-M7100-2 FC-MT610-2 (for O.L.D. 142 mm) FC-M9120-B2 FC-M8120-B2 FC-M7120-B2 FC-MT610-B2 (for O.L.D. 148 mm)	SM-BB93 SM-BB80 BB-MT800 SM-BB52 BB-MT500 (Threaded type) SM-BB94-41A BB-MT800-PA BB-MT500-PA (Press-Fit type)	CN-M9100 CN-M8100 CN-M7100 CN-M6100-12
1x12-speed			FC-M9100-1 FC-M9120-1 FC-M8100-1 FC-M7100-1 FC-M5100-1 FC-MT900-1 FC-MT610 FC-MT510-1 (for O.L.D. 142, 148 mm) FC-M8120-1 FC-M7120-1 FC-M6120-1 (for O.L.D. 148 mm) FC-M9130-1 FC-M8130-1 FC-M7130-1 (for O.L.D. 157 mm)		

[C-601 Frame Requirement / Crankset / Dimensions \[MTB,Trekking\] / Chain line 7.5 mm outboard spec. Y dimensions](#) - Added (FC-M9130-1)

[version 2.2 - February 26, 2020](#)



Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
12	FC-M9130-1	34T	-	73.5	-	24.6	-	193.3	193.3	-
		32T	-	69.5	-	24.6	-	193.3	193.3	-
		30T	-	65.4	-	24.6	-	193.3	193.3	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
	FC-M8130-1	32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
		28T	-	61.4	-	36.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
	FC-M7130-1	32T	-	69.5	-	36.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
	FC-M6130-1	32T	-	69.5	-	44.3	-	192.7	192.7	-
		30T	-	65.4	-	35.8	-	192.7	192.7	-

[C-602 Frame Requirement / Crankset / Dimensions \[MTB,Trekking\] / Chain line 7.5 mm outboard spec.](#)
[X dimensions](#) - Added (FC-M9130-1)

[version 2.2 - February 26, 2020](#)

Speed	Model No.	Gear	Chain line (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)
12	FC-M9130-1	34T	56.5	-	53.4	-	50	-	69.5	68.3	-
		32T	56.5	-	53.4	-	50	-	69.5	68.3	-
		30T	56.5	-	53.4	-	50	-	69.5	68.3	-
	FC-M8130-1	34T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
		32T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
		30T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
		28T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
	FC-M7130-1	34T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
		32T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
		30T	56.5	-	53.4	-	45.4	-	74.7	73.5	-
	FC-M6130-1	30T	56.5	-	53.4	-	52.8	-	74.8	74.8	-

[C-624 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Integrated type battery appropriated mounting angle](#) - Added (BT-E8035-L/E8036, Install/removal from upper side of down tube)

[version 2.2 - February 26, 2020](#)

Model No.	Type	Mounting angle	
		Install/removal from upper side of down tube	Install/removal from lower side of down tube
BT-E8035	Integrated type battery	50° ≤ θ ≤ 75°	50° ≤ θ ≤ 75°
BT-E8035-L	Integrated type battery	50° ≤ θ ≤ 75°	50° ≤ θ ≤ 75°
BT-E8036	Integrated type battery	50° ≤ θ ≤ 75°	50° ≤ θ ≤ 75°

February 13, 2020 (Ver 2.1)

C-195 Compatibility / Disc brake / Disc brake mount adapter / Application table for adapter - Revised (For flat mount brake caliper), Deleted (Note for BR-UR300)

version 2.0 - January 28, 2020

Fork and frame mount type		Disc brake rotor size			
		140 mm (S)	160 mm (S)	180 mm (M)	
Flat mount ø140/160	Front	(with product / Y8N298010)	(with product / Y8N298010)	-	
	Rear	Direct mount	SM-MA-R160 D/D	-	
Flat mount ø160/180	Front	-	(with product / Y8N298010)	(with product / Y8N298010)	
	Rear	-	Direct mount	SM-MA-R160 D/D	

NOTE

- BR-UR300 is compatible only with 160 mm (S) without adapter. (Direct mount)
- BR-R9170 and BR-M9110 are not compatible with 180 mm (M) for Rear.

version 2.1 - February 13, 2020

Fork and frame mount type		Disc brake rotor size			
		140 mm (S)	160 mm (S)	180 mm (M)	
Flat mount ø140/160	Front	With Y8N230000* on product	With Y8N230000* on product	-	
	Rear	Direct mount	SM-MA-R160 D/D	-	
	Front	-	With Y8N230000* on product	With Y8N230000* on product	
	Rear	-	Direct mount	SM-MA-R160 D/D	
Flat mount BR-UR300	Front	-	Direct mount	-	
	Rear	-	Direct mount	-	
	Front	-	-	Direct mount	
	Rear	-	-	Direct mount	

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

NOTE

BR-R9170 and BR-M9110 are not compatible with 180 mm (M) for Rear.

C-314 Product Information / SHIMANO Cable System / Outer casing length / Rear dropout (with derailleur hanger) - Revised (RD-RX400, Recommended outer casing)

version 2.0 - January 28, 2020



	Model No.	Recommended outer casing model	Dimension C				
			100 mm	110 mm	120 mm	130 mm	140 mm
Outer Casing Length (mm)	RD-M9100	OT-SP41	190	200	210	-	-
	RD-M9120	OT-SP41					
	RD-M8100	OT-SP41					
	RD-M8120	OT-SP41					
	RD-M7100	OT-SP41					
	RD-M7120	OT-SP41					
	RD-M6100	OT-SP41					
	RD-M5100	OT-SP41					
	RD-M5120	OT-SP41	200	210	220		
	RD-M4120	OT-SP41					
	RD-M3100	OT-SP41					
	RD-M820 (FR mode, DH mode)	OT-SP41	200	210	220		
	RD-M8000	OT-SP41					
	RD-T8000	OT-SP41					
	RD-M7000-10	OT-SP41					
	RD-M6000	OT-SP41					
	RD-T6000	OT-SP41					
	RD-M2000	OT-SP41					
	RD-TY500	OT-SP41					
	Other models (w/o Roller Guide RD)	OT-SP41	280	300	320		
	RD-R9100	OT-R5900					
	RD-R8000-G5	OT-R5900					
	RD-R8000-G5	OT-R5900					
	RD-R7000-G5	OT-R5900					
	RD-R7000-G5	OT-R5900					
	RD-RX800-G5	OT-R5900					
	RD-RX810	OT-R5900					
	RD-RX812	OT-R5900					
	RD-RX400	OT-SP41					

version 2.1 - February 13, 2020



	Model No.	Recommended outer casing model	Dimension C					
			100 mm	110 mm	120 mm	130 mm	140 mm	
Outer Casing Length (mm)	RD-M9100	OT-SP41	190	200	210	-	-	
	RD-M9120	OT-SP41						
	RD-M8100	OT-SP41						
	RD-M8120	OT-SP41						
	RD-M7100	OT-SP41						
	RD-M7120	OT-SP41						
	RD-M6100	OT-SP41						
	RD-M5100	OT-SP41						
	RD-M5120	OT-SP41	200	210	220			
	RD-M4120	OT-SP41						
	RD-M3100	OT-SP41						
	RD-M820 (FR mode, DH mode)	OT-SP41	200	210	220			
	RD-M8000	OT-SP41						
	RD-T8000	OT-SP41						
	RD-M7000-10	OT-SP41						
	RD-M6000	OT-SP41						
	RD-T6000	OT-SP41						
	RD-M2000	OT-SP41						
	RD-TY500	OT-SP41						
	Other models (two Roller Guide RD)	OT-SP41	280	300	320			
	RD-R9100	OT-R5900						
	RD-R8000-G5	OT-R5900						
	RD-R8000-G5	OT-R5900						
	RD-R7000-G5	OT-R5900						
	RD-R7000-G5	OT-R5900						
	RD-RX800-G5	OT-R5900						
	RD-RX810	OT-R5900						
	RD-RX812	OT-R5900						
	RD-RX400	OT-R5900						

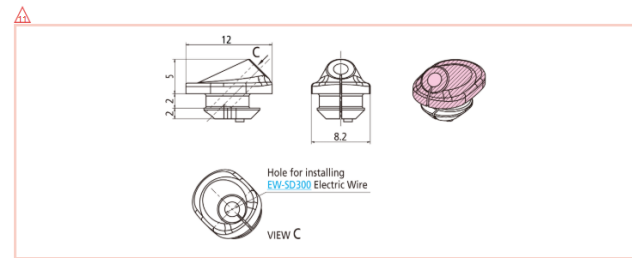


	Model No.	Recommended outer casing model	Dimension D		
			150 mm	165 mm	180 mm
Outer Casing Length (mm)	RD-M9100	OT-SP41	200	210	230
	RD-M9120	OT-SP41			
	RD-M820 (FR mode)	OT-SP41			
	RD-M8000	OT-SP41			
	RD-T8000	OT-SP41			
	RD-M7000-10	OT-SP41			
	RD-M6000	OT-SP41			
	RD-T6000	OT-SP41			
	RD-M820 (DH mode)	OT-SP41	220	230	250
	RD-M2000	OT-SP41			
	RD-TY500	OT-SP41			
	RD-TX55	OT-SP41	190	200	210
	RD-TX35	OT-SP41			
	RD-TY200	OT-SP41			
	RD-TY21-B	OT-SP41	280	300	320
	RD-FT35-A	OT-SP41			
	RD-TX800	OT-SP41			
	RD-TY300	OT-SP41	280	310	340
	RD-TX35	OT-SP41			
	Other models (w/o Roller Guide RD)	OT-SP41			
	RD-R9100	OT-R5900	200	220	240
	RD-R8000-G5	OT-R5900			
	RD-R8000-G5	OT-R5900			
	RD-R7000-G5	OT-R5900			
	RD-R7000-G5	OT-R5900			
	RD-RX800-G5	OT-R5900			
	RD-RX810	OT-R5900			
	RD-RX812	OT-R5900			
	RD-RX400	OT-SP41			

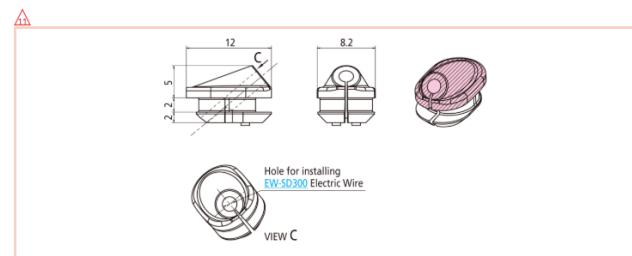
	Model No.	Recommended outer casing model	Dimension D		
			150 mm	165 mm	180 mm
Outer Casing Length (mm)	RD-M9100	OT-SP41	200	210	230
	RD-M9120	OT-SP41			
	RD-M820 (FR mode)	OT-SP41			
	RD-M8000	OT-SP41			
	RD-T8000	OT-SP41			
	RD-M7000-10	OT-SP41			
	RD-M6000	OT-SP41			
	RD-T6000	OT-SP41			
	RD-M820 (DH mode)	OT-SP41	220	230	250
	RD-M2000	OT-SP41			
	RD-TY500	OT-SP41			
	RD-TX55	OT-SP41	190	200	210
	RD-TY200	OT-SP41			
	RD-TY21-B	OT-SP41			
	RD-FT35-A	OT-SP41	280	300	320
	RD-TX800	OT-SP41			
	RD-TY300	OT-SP41			
	RD-TX35	OT-SP41	280	310	340
	Other models (w/o Roller Guide RD)	OT-SP41			
	RD-R9100	OT-R5900			
	RD-R8000-G5	OT-R5900			
	RD-R8000-G5	OT-R5900			
	RD-R7000-G5	OT-R5900			
	RD-R7000-G5	OT-R5900			
	RD-RX800-G5	OT-R5900			
	RD-RX810	OT-R5900			
	RD-RX812	OT-R5900			
	RD-RX400	OT-R5900			

[C-347 Electronic Product Information / General information / Grommet](#) - Added (EW-GM300-S/GM300-M, dimension diagram)

[version 2.1 - February 13, 2020](#)



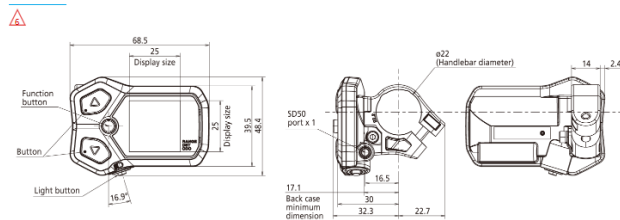
EW-GM300-M



[C-416 E-BIKE components / Cycle Computer / Dimensions](#) - Revised (SC-E5000/E5003)

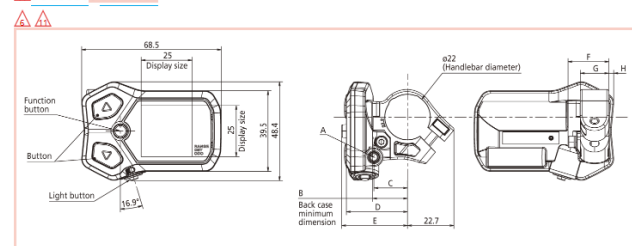
[version 2.0 - January 28, 2020](#)

SC-E5000



[version 2.1 - February 13, 2020](#)

SC-E5000 / SC-E5003



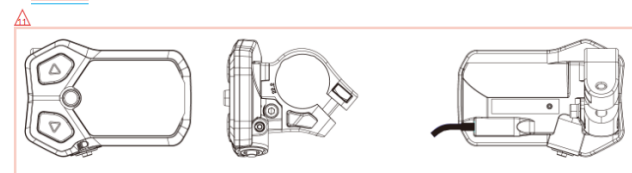
	SC-E5000	SC-E5003	SC-E5000A	SC-E5003A
A	EW-SD50 port	EW-SD300 port	EW-SD50 port	EW-SD300 port
B	17.1	17.1	21.7	21.7
C	16.5	17.6	21.1	22.2
D	30.0	30.0	34.6	34.6
E	32.3	32.3	36.9	36.9
F	19.0	19.0	18.8	18.8
G	14.0	14.0	13.8	13.8
H	2.4	2.4	2.6	2.6

* SC-E5000A: I-SPEC EV specification
SC-E5003A: I-SPEC EV specification

[C-417 E-BIKE components / Cycle Computer / Cable directions](#) - Added (SC-E5003)

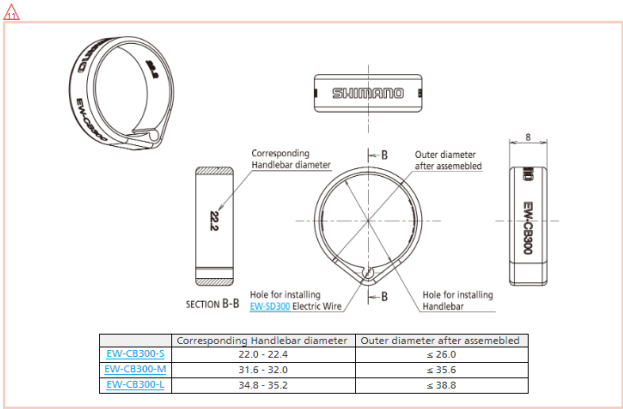
[version 2.1 - February 13, 2020](#)

SC-E5003



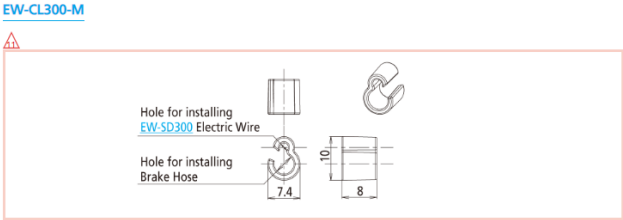
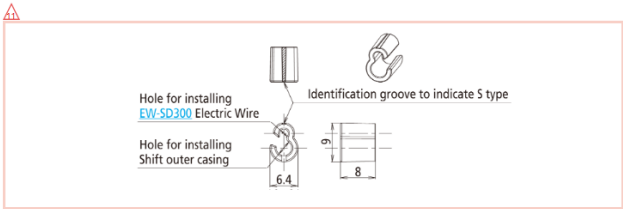
[C-550 E-BIKE components / Electric Wire / Cord band for Electric wire](#) - Added (EW-CB300-S/CB300-M/CB300-L, dimension diagram)

[version 2.1 - February 13, 2020](#)



[C-621 Electronic Product Information / ROAD, Gravel/Adventure components / Cord crim](#) - Added (EW-CL300-S/CL300-M, dimension diagram)

[version 2.1 - February 13, 2020](#)



January 28, 2020 (Ver 2.0)

[C-157 Compatibility / I-SPEC / Compatibility of I-SPEC shifter and brake lever](#) - Revised (Lead sentence / D12 shifting levers move to C-421), Added (SL-RS700-I)

version 1.9 - January 15, 2020

Clamp band type shifter can be compatible as I-SPEC when you change upper body with integration unit.

	Model No.	I-SPEC EV shifter						D12 shifter	
		SL-M9100-I	SL-M8100-I	SL-M7100-I	SL-M6100-I	SL-M5100-I	SL-M4100-I	SW-M9050	SW-M8050
I-SPEC EV	BL-M9100	✓	✓	✓	✓	✓	✓	-	-
	BL-M9120	✓	✓	✓	✓	✓	✓	-	-
	BL-M8100	✓	✓	✓	✓	✓	✓	-	-
	BL-M7100	✓	✓	✓	✓	✓	✓	-	-
	BL-M6100	✓	✓	✓	✓	✓	✓	-	-
I-SPEC II	BL-M9000	-	-	-	-	-	-	-	-
	BL-M9020	-	-	-	-	-	-	-	-
	BL-M8000	-	-	-	-	-	-	-	-
	BL-T8100	-	-	-	-	-	-	-	-
	BL-T8000	-	-	-	-	-	-	-	-
	BL-M7000	-	-	-	-	-	-	-	-
	BL-M6000	-	-	-	-	-	-	-	-
	BL-T6000	-	-	-	-	-	-	-	-
	BL-R5600	-	-	-	-	-	-	-	-
	BL-MT500	-	-	-	-	-	-	-	-
I-SPEC B	BL-M987	-	-	-	-	-	-	-	-
	BL-M988-B	-	-	-	-	-	-	-	-
	BL-M820-B	-	-	-	-	-	-	-	-
	BL-M640-B	-	-	-	-	-	-	-	-
	BL-T780-B	-	-	-	-	-	-	-	-
	BL-T675-B	-	-	-	-	-	-	-	-
	BL-T670-B	-	-	-	-	-	-	-	-
	BL-T610	-	-	-	-	-	-	-	-
	BL-M506	-	-	-	-	-	-	-	-
	BL-S700-B	-	-	-	-	-	-	-	-

	Model No.	I-SPEC II shifter					I-SPEC B shifter		
		SL-M9000-I	SL-M8000-I	SL-M7000-11-I SL-M7000-10-I	SL-U5000	SL-M6000-I	SL-M8000-B-I	SL-M7000-11-I 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	-	-	-	-	-	-	-	-
I-SPEC II	BL-M9000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-M9020	✓	✓	✓	✓	✓	✓	✓	✓
	BL-M8000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-T8100	✓	✓	✓	✓	✓	✓	✓	✓
	BL-T8000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-M7000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-M6000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-T6000	✓	✓	✓	✓	✓	✓	✓	✓
	BL-R5600	✓	✓	✓	✓	✓	✓	✓	✓
	BL-MT500	✓	✓	✓	✓	✓	✓	✓	✓
I-SPEC B	BL-M987	-	-	-	-	-	✓	✓	✓
	BL-M988-B	-	-	-	-	-	✓	✓	✓
	BL-M820-B	-	-	-	-	-	✓	✓	✓
	BL-M640-B	-	-	-	-	-	✓	✓	✓
	BL-T780-B	-	-	-	-	-	✓	✓	✓
	BL-T675-B	-	-	-	-	-	✓	✓	✓
	BL-T670-B	-	-	-	-	-	✓	✓	✓
	BL-T610	-	-	-	-	-	✓	✓	✓
	BL-M506	-	-	-	-	-	✓	✓	✓
	BL-S700-B	-	-	-	-	-	✓	✓	✓

Compatibility of seat post lever and brake lever

	Model No.	I-SPEC EV shifter	
		SL-MT800	SL-MT500-I
I-SPEC EV	BL-M9100	✓	✓
	BL-M9120	✓	✓
	BL-M8100	✓	✓
	BL-M7100	✓	✓
	BL-M6100	✓	✓
I-SPEC II	BL-M9000	-	-
	BL-M9020	-	-
	BL-M8000	-	-
	BL-T8100	-	-
	BL-T8000	-	-
	BL-M7000	-	-
	BL-M6000	-	-
	BL-T6000	-	-
	BL-R5600	-	-
	BL-MT500	-	-
I-SPEC B	BL-M987	-	-
	BL-M988-B	-	-
	BL-M820-B	-	-
	BL-M640-B	-	-
	BL-T780-B	-	-
	BL-T675-B	-	-
	BL-T670-B	-	-
	BL-T610	-	-
	BL-M506	-	-
	BL-S700-B	-	-

version 2.0 - January 28, 2020

⚠️ Clamp band type shifter can be compatible as I-SPEC when you change upper body with integration unit. (Exclude RAPIDFIRE PLUS MONO shifting lever)

⚠️ I-SPEC EV shifting lever

	Model No.	SL-M9100-I	SL-M8100-I	SL-M7100-I	SL-M6100-I	SL-M5100-I	SL-M4100-I
I-SPEC EV	BL-M9100	✓	✓	✓	✓	✓	✓
	BL-M9120	✓	✓	✓	✓	✓	✓
	BL-M8100	✓	✓	✓	✓	✓	✓
	BL-M7100	✓	✓	✓	✓	✓	✓
	BL-M6100	✓	✓	✓	✓	✓	✓
I-SPEC II	BL-M9000	-	-	-	-	-	-
	BL-M9020	-	-	-	-	-	-
	BL-M8000	-	-	-	-	-	-
	BL-T8100	-	-	-	-	-	-
	BL-T8000	-	-	-	-	-	-
	BL-M7000	-	-	-	-	-	-
	BL-M6000	-	-	-	-	-	-
	BL-T6000	-	-	-	-	-	-
	BL-R5600	-	-	-	-	-	-
	BL-MT500	-	-	-	-	-	-
I-SPEC B	BL-M987	-	-	-	-	-	-
	BL-M988-B	-	-	-	-	-	-
	BL-M820-B	-	-	-	-	-	-
	BL-M640-B	-	-	-	-	-	-
	BL-T780-B	-	-	-	-	-	-
	BL-T675-B	-	-	-	-	-	-
	BL-T670-B	-	-	-	-	-	-
	BL-T610	-	-	-	-	-	-
	BL-M506	-	-	-	-	-	-
	BL-S700-B	-	-	-	-	-	-

⚠️ I-SPEC II shifting 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
I-SPEC EV	BL-M9100	-	-	-	-	-	-
	BL-M9120	-	-	-	-	-	-
	BL-M8100	-	-	-	-	-	-
	BL-M7100	-	-	-	-	-	-
	BL-M6100	-	-	-	-	-	-
I-SPEC II	BL-M9000	✓	✓	✓	✓	✓	✓
	BL-M9020	✓	✓	✓	✓	✓	✓
	BL-M8000	✓	✓	✓	✓	✓	✓
	BL-T8100	✓	✓	✓	✓	✓	✓
	BL-T8000	✓	✓	✓	✓	✓	✓
	BL-M7000	✓	✓	✓	✓	✓	✓
	BL-M6000	✓	✓	✓	✓	✓	✓
	BL-T6000	✓	✓	✓	✓	✓	✓
	BL-R5600	✓	✓	✓	✓	✓	✓
	BL-MT500	✓	✓	✓	✓	✓	✓
I-SPEC B	BL-M987	-	-	-	-	-	-
	BL-M988-B	-	-	-	-	-	-
	BL-M820-B	-	-	-	-	-	-
	BL-M640-B	-	-	-	-	-	-
	BL-T780-B	-	-	-	-	-	-
	BL-T675-B	-	-	-	-	-	-
	BL-T670-B	-	-	-	-	-	-
	BL-T610	-	-	-	-	-	-
	BL-M506	-	-	-	-	-	-
	BL-S700-B	-	-	-	-	-	-

⚠️ I-SPEC B shifting 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	-	-	-
I-SPEC II	BL-M9000	-	-	-
	BL-M9020	-	-	-
	BL-M8000	-	-	-
	BL-T8100	-	-	-
	BL-T8000	-	-	-
	BL-M7000	-	-	-
	BL-M6000	-	-	-
	BL-T6000	-	-	-
	BL-R5600	-	-	-
	BL-MT500	-	-	-
I-SPEC B	BL-M987	✓	✓	✓
	BL-M988-B	✓	✓	✓
	BL-M820-B	✓	✓	✓
	BL-M640-B	✓	✓	✓
	BL-T780-B	✓	✓	✓
	BL-T675-B	✓	✓	✓
	BL-T670-B	✓	✓	✓
	BL-T610	✓	✓	✓
	BL-M506	✓	✓	✓
	BL-S700-B	✓	✓	✓

Compatibility of seat post lever and brake lever

	Model No.	I-SPEC EV shifting lever	
		SL-MT800	SL-MT500-I
I-SPEC EV	BL-M9100	✓	✓
	BL-M9120	✓	✓
	BL-M8100	✓	✓
	BL-M7100	✓	✓
	BL-M6100	✓	✓
I-SPEC II	BL-M9000	-	-
	BL-M9020	-	-
	BL-M8000	-	-
	BL-T8100	-	-
	BL-T8000	-	-
	BL-M7000	-	-
	BL-M6000	-	-
	BL-T6000	-	-
	BL-R5600	-	-
	BL-MT500	-	-
I-SPEC B	BL-M987	-	-
	BL-M988-B	-	-
	BL-M820-B	-	-
	BL-M640-B	-	-
	BL-T780-B	-	-
	BL-T675-B	-	-
	BL-T670-B	-	-
	BL-T610	-	-
	BL-M506	-	-
	BL-S700-B	-	-

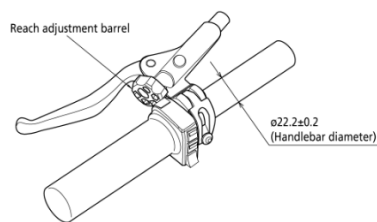
C-421 Compatibility / E-BIKE compatibility chart / Switch unit / cycle computer and brake lever compatibility - Revised (All updated to change the configuration)

version 1.9 - January 15, 2020

Compatible handlebar diameter and brake lever

C-421

SW-E6000



	V-BRAKE		Disc brake
	Model No.	Model No.	
SW-E6000	-	BL-T6100 *	✓
	BL-T611	BL-T6000	-
	BL-T4000	BL-MT402-3A	-
	-	BL-S7000	-

* In case of using these BL, install by referring the <Assembly angle> in [C-422](#)

SW-E6010



	V-BRAKE		Disc brake
	Model No.	Model No.	
SW-E6010-L SW-E6010-R	BL-C6010	BL-T6100 *	✓
	BL-T611	BL-T6000	-
	BL-T4010	BL-MT402-3A	-
	-	BL-MT201	-
	-	BL-MT200	-
	-	BL-S7000	-

* In case of using these BL, install by referring the <Assembly angle> in [C-422](#)

version 2.0 - January 28, 2020

Switch unit / cycle computer and brake lever compatibility

C-421

For Hydraulic Disc brake

I-SPEC EV type brake lever

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer					
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000 *2
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 shifting switch		SHIMANO STEPS switch unit and cycle computer					
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000
BL-M9000 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-M9020 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-M8000 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-T8100 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-T8000 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-M7000 *1	✓	✓	✓	✓	✓	✓	✓	✓
BL-M6000	✓	✓	✓	✓	✓	✓	✓	✓
BL-T6000	✓	✓	✓	✓	✓	✓	✓	✓
BL-R5600	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT500	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT501	✓	✓	✓	✓	✓	✓	✓	✓
BL-U5000	-	-	✓	✓	✓	✓	✓	✓
BL-S7000	✓	✓	✓	✓	✓	✓	✓	✓

*1: In case of using these brake lever, refer to [C-422](#).

Other clamp band type brake lever

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer					
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000
BL-MT402-3A	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT401	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT400	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT201	✓	✓	✓	✓	✓	✓	✓	✓
BL-MT200	✓	✓	✓	✓	✓	✓	✓	✓
BL-T445	✓	✓	✓	✓	✓	✓	✓	✓

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

Refer to SPEC HANDBOOK for compatible brake type.

Model No.	DI2 shifting switch		SHIMANO STEPS switch unit and cycle computer					
	SW-M9050	SW-M8050	SW-EM800-L	SW-E8000-L	SW-E7000	SW-E6010	SW-E6000	SC-E5000
BL-T610	✓	✓	✓	✓	✓	✓	✓	✓
BL-T611	✓	✓	✓	✓	✓	✓	✓	✓
BL-T4000	✓	✓	✓	✓	✓	✓	✓	✓
BL-T4010	✓	✓	✓	✓	✓	✓	✓	✓
BL-C6010	✓	✓	✓	✓	✓	✓	✓	✓
BL-R7000	✓	✓	✓	✓	✓	✓	✓	✓
BL-R3000	✓	✓	✓	✓	✓	✓	✓	✓
BL-R2000	✓	✓	✓	✓	✓	✓	✓	✓
BL-R780	✓	✓	✓	✓	✓	✓	✓	✓
BL-R550	✓	✓	✓	✓	✓	✓	✓	✓

January 15, 2020 (Ver 1.9)

C-124 Frame Requirement / Crankset / Dimensions [ROAD, Gravel/Adventure] / X dimensions -

Revised (FC-RX810-2/RX600-11/RX600-10, chain line)

version 1.8 - December 24, 2019

Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)	
11	FC-R9100 FC-R9100-P	55-42T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	
		54-42T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	
		53-39T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	
		52-36T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	
		50-34T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	
	FC-R8000	53-39T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	
		52-36T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	
		50-34T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	
		46-36T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	
		33-39T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	
10	FC-R7000	52-36T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	
		50-34T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	
		46-36T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-	
		FC-R5510	50-34T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-
		46-36T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-	
	FC-RX810-2 FC-RX600-11 FC-RX810-1	48-31T	46.0	-	48.5	40.3	40.4	40.3	59.3	60.0	-	
		46-30T	46.0	-	48.5	40.3	-	39.1	60	59.9	-	
		42T	49.7	-	46.7	-	44.5	44.5	59.3	60.0	45.4	
		40T	49.7	-	46.7	-	44.5	44.5	59.3	60.0	45.4	
		FC-RX600-1	40T	49.7	-	46.7	-	44.5	44.5	59.3	59.2	-
9	FC-5703 FC-4703	50-39-30T	45.0	51.2	44.1	36.0	36.9	34.9	63.3	60.8	-	
		50-39-30T	45.0	51.2	44.1	36.0	36.9	34.9	65.0	63.2	-	
		52-36T	43.5	-	45.9	38.0	-	35.8	59.2	60.2	-	
		50-34T	43.5	-	45.9	38.1	-	35.8	59.2	60.2	-	
		48-34T	43.5	-	46	38.1	-	35.6	59.2	60.2	-	
	FC-R460 FC-R5400 FC-CX50 FC-RX600-10	48-34T	43.5	-	45.9	38.1	-	36.5	59.3	60.2	-	
		46-34T	43.5	-	45.9	38.1	-	36.5	59.3	60.2	-	
		50-34T	43.5	-	45.9	38.1	-	-	59.3	60.2	-	
		46-36T	43.5	-	45.8	37.9	-	36.1	59.4	60.4	-	
		46-30T	46	-	48.5	40.3	-	39.1	59.5	59.2	-	
8	FC-R3030 FC-R3000 FC-R345 FC-R2030 FC-A073	50-39-30T	45.0	51.8	44.2	36.1	36.0	34.3	65.2	63.0	-	
		50-34T	43.5	-	45.8	38.1	-	-	59.2	60.0	-	
		FC-R345	50-34T	43.5	-	45.5	37.8	-	36.0	61.0	59.4	-
		FC-R2030	50-39-30T	45.0	51.4	44.0	36.0	36.1	34.1	64.0	62.5	-
		FC-A073	50-39-30T	45.0	51.5	43.5	35.3	35.3	34.9	70.0	69.0	-
	FC-R2000 FC-R5200 FC-A070 FC-7710 (1/2 x 1/8 inch) FC-7710 (1/2 x 3/32 inch)	50-34T	43.5	-	46.0	38.4	-	37.4	59.8	60.5	-	
		FC-R5200	50-34T	43.5	-	45.9	38.3	-	36.5	61.4	61	-
		46-34T	43.5	-	45.8	38.3	-	39.1	61.4	61	-	
		FC-A070	50-34T	43.5	-	45.9	38.3	-	38.4	67.7	69.7	-
		FC-7710 (1/2 x 1/8 inch)	-	42.5	-	39.4	-	-	52.5	52.5	-	
TRACK	FC-7710 (1/2 x 3/32 inch)	-	42.5	-	39.9	-	-	52.5	52.5	-		
	SW-M9050	-	-	-	-	-	-	52.5	52.5	-		
	SW-M8050	-	-	-	-	-	-	52.5	52.5	-		
	RD-M9050-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed)	-	-	-	-	-	-	52.5	52.5	-		

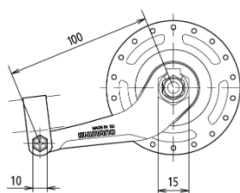
version 1.9 - January 15, 2020

A	Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)	
11	FC-R9100 FC-R9100-P	55-42T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	-	
		54-42T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	-	
		53-39T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	-	
		52-36T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	-	
		50-34T	43.5	-	46.0	37.8	36.3	35.2	56.4	56.4	-	-	
	FC-R8000	53-39T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	-	
		52-36T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	-	
		50-34T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	-	
		46-36T	43.5	-	46.0	37.8	36.6	35.4	56.9	57.4	-	-	
		33-39T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	-	
	FC-R7000	52-36T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	-	
		50-34T	43.5	-	46.0	37.8	37.4	35.3	56.9	57.4	-	-	
		46-36T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-	-	
		FC-R5510	50-34T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-	-
		46-36T	43.5	-	46.0	37.8	-	35.6	58.9	59.9	-	-	
	FC-RX810-2 FC-RX600-11 FC-RX810-1	48-31T	46.9	-	48.5	40.3	40.4	40.3	59.3	60.0	-	-	
		46-30T	46.9	-	48.5	40.3	-	39.1	60	59.9	-	-	
		42T	49.7	-	46.7	-	44.5	44.5	59.3	60.0	45.4	-	
		40T	49.7	-	46.7	-	44.5	44.5	59.3	60.0	45.4	-	
		FC-RX600-1	40T	49.7	-	46.7	-	44.5	44.5	59.5	59.2	-	-
10	FC-5703 FC-4703	50-39-30T	45.0	51.2	44.1	36.0	36.9	34.9	63.3	60.8	-	-	
		50-39-30T	45.0	51.2	44.1	36.0	36.9	34.9	65.0	63.2	-	-	
		52-36T	43.5	-	45.9	38.0	-	35.8	59.2	60.2	-	-	
		50-34T	43.5	-	45.9	38.1	-	35.8	59.2	60.2	-	-	
		48-34T	43.5	-	46	38.1	-	35.6	59.2	60.2	-	-	
	FC-R460 FC-R5400 FC-CX50 FC-RX600-10	48-34T	43.5	-	45.9	38.1	-	36.5	59.3	60.2	-	-	
		46-34T	43.5	-	45.9	38.1	-	36.5	59.3	60.2	-	-	
		50-34T	43.5	-	45.9	38.1	-	59.3	60.2	-	-	-	
		46-36T	43.5	-	45.8	37.9	-	36.1	59.4	60.4	-	-	
		46-30T	46.9	-	48.5	40.3	-	39.1	59.5	59.2	-	-	
9	FC-R3030 FC-R3000 FC-R345 FC-R2030 FC-A073	50-39-30T	45.0	51.8	44.2	36.1	36.0	34.3	65.2	63.0	-	-	
		50-39-30T	45.0	51.8	44.2	36.1	36.0	34.3	65.2	63.0	-	-	
		50-34T	43.5	-	45.8	38.1	-	36.5	61.4	61	-	-	
		50-34T	43.5	-	45.5	37.8	-	36.0	61.0	59.4	-	-	
		46-34T	43.5	-	45.5	37.8	-	36.0	61.0	59.4	-	-	
	FC-R2000 FC-R5200 FC-A070 FC-7710 (1/2 x 1/8 inch) FC-7710 (1/2 x 3/32 inch)	50-39-30T	45.0	51.5	43.9	35.9	35.9	34.9	70.0	69.3	-	-	
		50-34T	43.5	-	46.0	38.4	-	37.4	59.8	60.5	-	-	
		50-34T	43.5	-	45.9	38.3	-	36.5	61.4	61	-	-	
		46-34T	43.5	-	45.8	38.3	-	39.1	61.4	61	-	-	
		FC-A070	50-34T	43.5	-	45.9	38.3	-	38.4	67.7	69.7	-	-
TRACK	FC-7710 (1/2 x 1/8 inch)	-	42.5	-	39.4	-	-	-	52.5	52.5	-	-	
	FC-7710 (1/2 x 3/32 inch)	-	42.5	-	39.9	-	-	-	52.5	52.5	-	-	

C-280 Product Information / Internal geared hub / Cassette joint / NEXUS INTER-7 - Deleted (SG-C3001-7C, move to C-632)

version 1.8 - December 24, 2019

SG-C3001-7C



C-435 Compatibility / Drivetrain for MTB components / Rear drivetrain compatibility [MTB] / 11-speed rear drivetrain [MTB] - Revised (RD-M5120-SGS for 1x11-speed)

version 1.8 - December 24, 2019

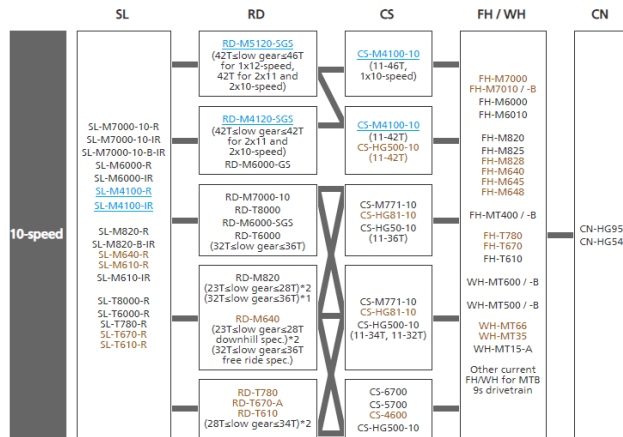
	SL	RD	CS	FH / WH	CN
11-speed	SL-M9000-R SL-M9000-IR SL-M8000-R SL-M8000-IR SL-M7000-11-R SL-M7000-11-B-IR SL-M5100-R SL-M5100-IR	RD-M9000-SGS RD-M8000-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M8000-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed) RD-M7000-11-SGS (32slow gears36T) RD-M5100-SGS (51slow gears51T for 1x11-speed) RD-M5120-SGS (42Tslow gears46T for 1x12-speed, 42T for 2x11 and 2x10-speed) RD-M4120-SGS (42Tslow gears42T for 2x11 and 2x10-speed)	CS-M9001 11-40T CS-M8000 11-40T 11-42T 11-46T CS-M7000-11 11-40T 11-42T 11-46T CS-M5100-11 11-42T 11-51T	FH-M9000 FH-M9010 / -B WH-M9000 WH-M9020 FH-M8000 FH-M8010 / -B WH-M8000 / -B WH-M8020 / -B FH-M7000 FH-M7010 / -B FH-M5110 / -B Other current FREEHUB for MTB 9/10-speed drivetrain	CN-HG901-11 CN-HG701-11 CN-HG601-11
	SW-M9050 SW-M8050	RD-M9050-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M9050-GS RD-M8050-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed)			

version 1.9 - January 15, 2020

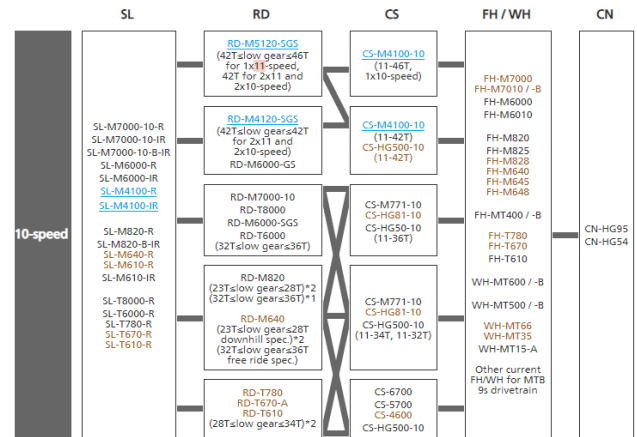
	SL	RD	CS	FH / WH	CN
11-speed	SL-M9000-R SL-M9000-IR SL-M8000-R SL-M8000-IR SL-M7000-11-R SL-M7000-11-B-R SL-M5100-R SL-M5100-IR	RD-M9000-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M8000-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed) RD-M7000-11-SGS (32slow gears36T) RD-M5100-SGS (51slow gears51T for 1x11-speed) RD-M5120-SGS (42Tslow gears46T for 1x12-speed, 42T for 2x11 and 2x10-speed) RD-M4120-SGS (42Tslow gears42T for 2x11 and 2x10-speed)	CS-M9001 11-40T CS-M8000 11-40T 11-42T 11-46T CS-M7000-11 11-40T 11-42T 11-46T CS-M5100-11 11-42T 11-51T	FH-M9000 FH-M9010 / -B WH-M9000 WH-M9020 FH-M8000 FH-M8010 / -B WH-M8000 / -B WH-M8020 / -B FH-M7000 FH-M7010 / -B FH-M5110 / -B Other current FREEHUB for MTB 9/10-speed drivetrain	CN-HG901-11 CN-HG701-11 CN-HG601-11
	SW-M9050 SW-M8050	RD-M9050-SGS (40slow gears46T for 1x11-speed, 42T for 2x11-speed, 40T for 3x11-speed) RD-M9050-GS RD-M8050-GS (40slow gears46T for 1x11-speed, 42T for 2x11-speed)			

C-436 Compatibility / Drivetrain for MTB components / Rear drivetrain compatibility [MTB] / 10-speed rear drivetrain [MTB] - Revised (RD-M5120-SGS for 1x11-speed)

version 1.8 - December 24, 2019



version 1.9 - January 15, 2020



C-454 Compatibility / Drivetrain for ROAD, Gravel/Adventure, URBAN (METREA) components / Rear drivetrain compatibility - Added (FH-RS470)

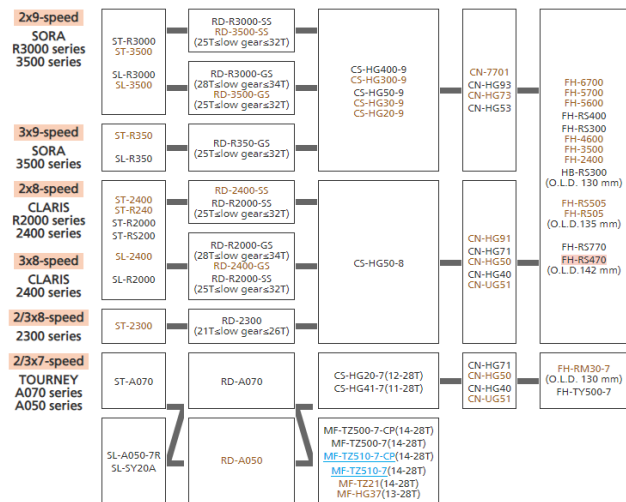
version 1.9 - January 15, 2020



	ST / SL	RD	CS	CN	FH / WH
2x11-speed DURA-ACE R9100 series 9000 series ULTEGRA R8000 series 6800 series 105 R7000 series 5800 series METREA U5000 series GRX RX810 series RX600 series	ST-R9100 ST-R9120 ST-9001 ST-9000 SL-R5R1 ST-R8000 ST-R8020 ST-R8025 ST-6800 ST-R7000 ST-R7020 ST-R7025 ST-5800 SL-R5700 ST-R5685 ST-R5505 ST-U5060 SL-U5000 ST-RX810 ST-RX600	RD-R9100-S5 RD-R8000-S5 (25T _{slow} Low gears30T) RD-9000 RD-R8000-GS RD-RX800-GS (28T _{slow} Low gears34T) RD-6800-S5 RD-3800-S5 (23T _{slow} Low gears28T) RD-R7000-S5 (25T _{slow} Low gears30T) RD-R7000-GS (28T _{slow} Low gears34T) RD-6800-GS RD-3800-GS (28T _{slow} Low gears32T) RD-U5000-S5 (28T _{slow} Low gears32T) RD-RX810 (30T _{slow} Low gears34T) RD-RX812 (40T _{slow} Low gears42T) RD-RX800 (28T _{slow} Low gears34T)	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	FH-9000 WH-R9100 WH-R5700 WH-R5500 WH-R5300 WH-R5100 FH-6800 FH-5800 FH-R7000 FH-R7070 FH-R5400 (O.L.D. 130 mm) FH-CX75 FH-R5505 WH-RX830 WH-RX31 (QR) WH-U5000 WH-RX010 (O.L.D. 135 mm) WH-R9170 WH-R5770 WH-R5370 WH-R5171 WH-RX570 WH-RX31 (E-THRU) FH-R5770 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-S5 RD-R8050-S5 (25T _{slow} Low gears30T) RD-9070-S5 RD-6870-S5 (23T _{slow} Low gears28T) RD-R8050-GS RD-RX805 (28T _{slow} Low gears34T) RD-6870-GS (28T _{slow} Low gears32T) RD-RX815 (30T _{slow} Low gears34T) RD-RX817 (40T _{slow} Low gears42T)			



	ST / SL	RD	CS	CN	FH
1x11-speed METREA U5000 series GRX RX810 series RX600 series	ST-U5060 SL-U5000 ST-RX810 ST-RX600	RD-U5000-S5 RD-RX812 (40T _{slow} Low gears42T)	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	FH-9000 WH-R9100 WH-R5700 WH-R5500 WH-R5300 WH-R5100 FH-6800 FH-5800 FH-R7000 FH-R7070 FH-R5400 (O.L.D. 130 mm) FH-CX75 FH-R5505 WH-RX830 WH-RX31 (QR) WH-U5000 WH-RX010 (O.L.D. 135 mm) WH-R9170 WH-R5770 WH-R5370 WH-R5171 WH-RX570 WH-RX31 (E-THRU) FH-R5770 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-RX817 (40T _{slow} Low gears42T)	CS-M8000-11 CS-M7000-11		
2x10-speed ULTEGRA 6700 series 105 5700 series TIAGRA 4700 series 4600 series GRX RX400 series	ST-6700 ST-5700 ST-4600 ST-R460 SL-R780 SL-4600 SL-R460	RD-6700-A-S5 (23T _{slow} gears30T) RD-5701-S5 RD-4601-S5 (25T _{slow} gears30T) RD-5701-GS RD-4601-GS (27T _{slow} gears32T) RD-R350-10-S5 (30T _{slow} gears34T) RD-4700-S5 (25T _{slow} gears28T) RD-4700-GS (28T _{slow} gears34T) RD-RX400 (32T _{slow} gears36T)	CS-6700 CS-5700 CS-4600 CS-HG500-10 CS-6700 CS-5700 CS-HG500-10 CS-4600 CS-M980 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-6700 CS-5700 CS-HG500-10 CS-4600 CS-M980 CS-M771-10 CS-HG81-10 CS-HG62-10	CN-7901 CN-6701 CN-4601 CN-M981 CN-M980 CN-HG95 CN-HG94 CN-HG75 CN-HG74 CN-HG54 CN-7801 CN-6600 CN-5600	FH-6700 FH-5700 FH-5600 FH-R5400 FH-R5300 FH-4600 FH-3500 FH-2400 HB-R5300 (O.L.D. 130 mm) FH-R5505 FH-R505 (O.L.D. 135 mm) FH-R5770 FH-RS470 (O.L.D. 142 mm)
	ST-4700 ST-4720 ST-4725 ST-R405 ST-RX400 SL-4700				
3x10-speed ULTEGRA 6700 series 105 5700 series TIAGRA 4700 series 4600 series	ST-6700 ST-5700 ST-4600 SL-R780 SL-4600	RD-6700-A-GS (23T _{slow} gears30T) RD-5701-GS RD-4601-GS (25T _{slow} gears30T)	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	FH-R5770 FH-RS470 (O.L.D. 142 mm)
	ST-4700 SL-4700	RD-4700-GS (25T _{slow} gears32T)	CS-6700 CS-5700 CS-HG500-10 CS-4600 CS-M980 CS-M771-10 CS-HG81-10 CS-HG62-10	CN-M981 CN-M980 CN-HG95 CN-HG94 CN-HG75 CN-HG74 CN-HG54	



version 1.8 - December 24, 2019

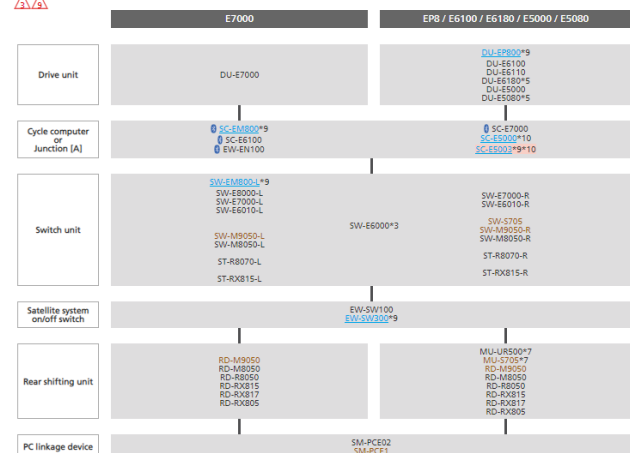
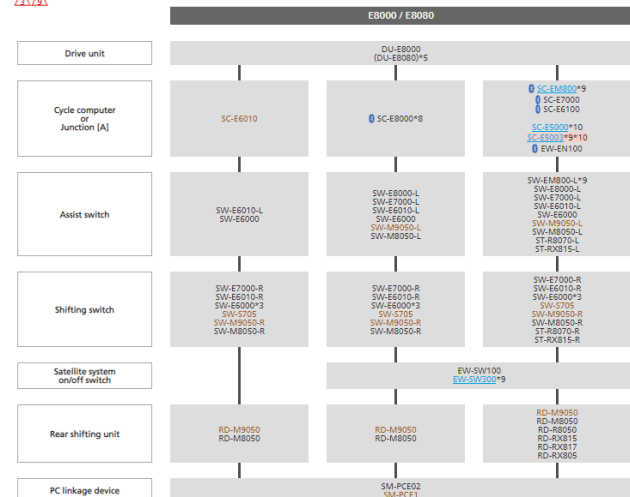
*1 Disc brake rotor for speed sensor SM-DUE11, rear only
*2 Resin pad only
*3 Not compatible with rear 180 mm (M) disc brake rotors
*4 Not compatible with 203 mm (L) disc brake rotors
*5 For rear only. Not compatible with 203 mm (L) and 180 mm (M) disc brake rotors

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

C-525 Compatibility / E-BIKE compatibility chart / E-BIKE system (with E-TUBE PROJECT ver.3.5.0) -

Added (SC-E5003)

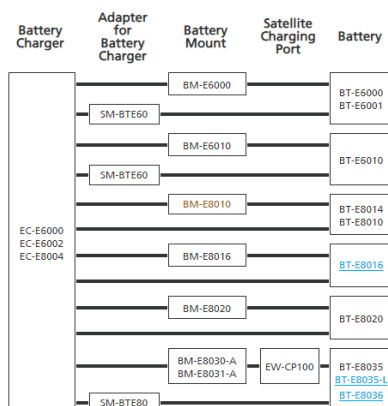
version 1.9 - January 15, 2020



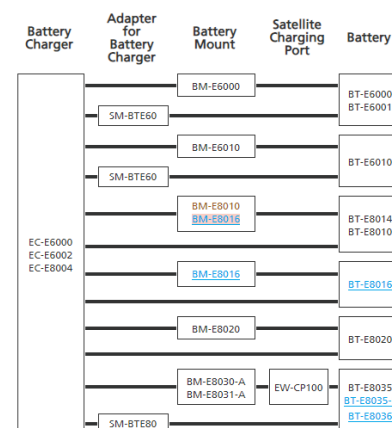
C-562 Compatibility / E-BIKE compatibility chart / Battery and battery charger compatibility - Revised

(BM-E8016, compatibility)

version 1.8 - December 24, 2019

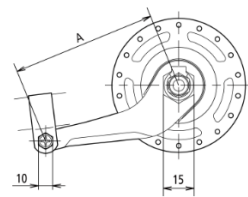


version 1.9 - January 15, 2020



⚠ Coaster brake arm dimensions

C-632



Model No.	A (mm)
SG-C6061-8C	100
SG-C6061-8CD	
SG-C6001-8C	
SG-C6001-8CD	
SG-C3001-7C	
SG-C3001-7C-DX	
SG-C7050-5C	
SG-C7000-5C	
SG-C7002-5CD	
SG-9C41	

December 24, 2019 (Ver 1.8)

[C-083 Frame Requirement / Disc brake / Installation of the converter for flat mount / REAR MOUNT for ø140 disc brake rotor \(for ø140/160 Frame\)](#) - Revised (Title changed)

[version 1.7 - December 10, 2019](#)

REAR MOUNT for ø140 disc brake rotor (for ø140/160 Frame),
ø160 disc brake rotor (for ø160/180 Frame) C-083

[version 1.8 - December 24, 2019](#)

⚠ REAR MOUNT for ø140 disc brake rotor (for ø140/160 Frame) C-083

[C-084 Frame Requirement / Disc brake / Installation of the converter for flat mount / REAR MOUNT for ø160 disc brake rotor \(for ø140/160 Frame\)](#) - Revised (Title changed)

[version 1.7 - December 10, 2019](#)

REAR MOUNT for ø160 disc brake rotor (for ø140/160 Frame),
ø180 disc brake rotor (for ø160/180 Frame) C-084

[version 1.8 - December 24, 2019](#)

⚠ REAR MOUNT for ø160 disc brake rotor (for ø140/160 Frame) C-084

[C-195 Compatibility / Disc brake / Disc brake mount adapter / Application table for adapter](#) - Added (Flat mount ø160/180)

[version 1.8 - December 24, 2019](#)

Fork and frame mount type		Disc brake rotor size			
		140 mm (S)	160 mm (S)	180 mm (M)	203 mm (L)
Post mount	Front	140 mm direct	Direct mount	SM-MA90-F180P / P SM-MA-F180P / P2 (for R785)	-
		160 mm direct	-	Direct mount	SM-MA-F203P / P
		180 mm direct	-	-	SM-MA90-F203P / PM SM-MA-F203P / PM
		203 mm direct	-	-	Direct mount
	Rear	140 mm direct	Direct mount	SM-MA90-F180P / P SM-MA-F180P / P2	-
		160 mm direct	-	Direct mount	SM-MA-F203P / P
		180 mm direct	-	-	SM-MA90-F203P / PM SM-MA-F203P / PM
		203 mm direct	-	-	Direct mount
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	-	-	-	-

[C-267 Product Information / Hub / Front hub / FREEHUB dimensions \[URBAN\]](#) - Revised (RH-IM11/RH-IM10, specification added)

[version 1.7 - December 10, 2019](#)

Model No.	L (mm)	A (mm)	B (mm)	Holes
RH-IM11-65	204	38.0	33.3	36H
RH-IM11-65	200	36.0	31.3	36H
RH-IM11-65	192	29.0	30.3	36H
RH-IM11-65 / RH-IM10-65	192	32.0	27.3	36H, 28H
RH-IM11-65 / RH-IM10-65	185	28.5	23.8	36H, 28H
RH-IM11-65 / RH-IM10-65	180	24.5	22.8	36H, 28H
RH-IM11-75	200	35.0	30.3	36H
RH-IM11-75 / RH-IM10-75	192	31.0	26.3	36H, 28H
RH-IM11-75 / RH-IM10-75	180	23.5	21.8	36H, 28H

[version 1.8 - December 24, 2019](#)

Model No.	L (mm)	A (mm)	B (mm)	Holes
RH-IM11-65	204	38.0	33.3	36H
RH-IM11-65	200	36.0	31.3	36H
RH-IM11-65	192	29.0	30.3	36H
RH-IM11-65	192	32.0	27.3	28H
RH-IM11-65	192	30.3	29	36H
RH-IM11-65	185	28.5	23.8	36H
RH-IM11-65	180	24.5	22.8	36H, 28H
RH-IM10-65	200	35	35.5	36H, 32H
RH-IM10-65	200	37	33.5	28H
RH-IM10-65	200	40	30.5	36H
RH-IM10-65	180	24.5	22.8	36H
RH-IM11-75	200	35.0	30.3	36H
RH-IM11-75	192	31.0	26.3	36H, 28H
RH-IM11-75	180	23.5	21.8	36H, 28H
RH-IM10-75	200	35	35	36H, 32H
RH-IM10-75	180	25	25	36H

[C-512 Electronic Product Information / General information / Electric wire \(EW-SD50\)](#) - Revised (Title changed)

[version 1.7 - December 10, 2019](#)

Electric wire

C-512

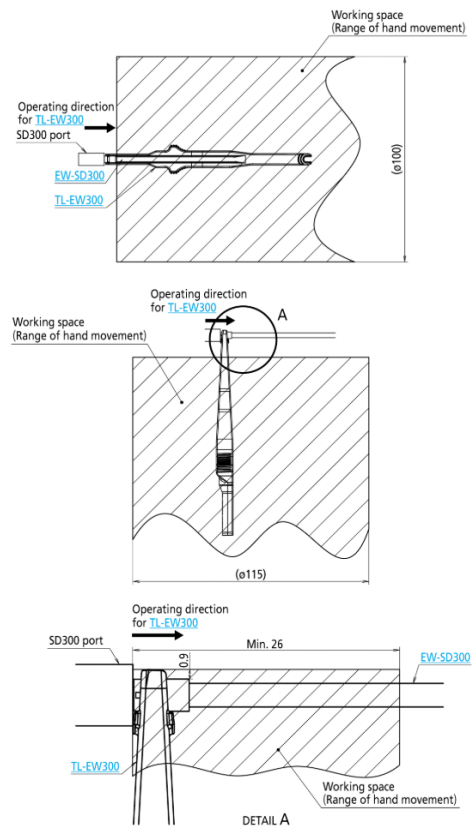
[version 1.8 - December 24, 2019](#)

⚠ Electric wire (EW-SD50)

C-512



Necessary area for TL-EW300 operation



December 10, 2019 (Ver 1.7)

[C-414 E-BIKE components / Battery and battery mount / Packing case \(Class 9\)](#) - Revised (BT-E8014/E8010/E6000/E6001/E6010, Packing dimension)

[version 1.6 - November 27, 2019](#)



Model No.	L	W	H
BT-E8036	TBD	TBD	TBD
BT-E8035-L			
BT-E8035	448	180	169
BT-E8020	TBD	TBD	TBD
BT-E8016			
BT-E8014	448 (377 *)	180 (147 *)	
BT-E8010			169
BT-E6000	389	180	
BT-E6001			
BT-E6010			

* Scheduled to ship after July 2019

[version 1.7 - December 10, 2019](#)



Model No.	L	W	H
BT-E8036	TBD	TBD	TBD
BT-E8035-L			
BT-E8035	448	180	169
BT-E8020	TBD	TBD	TBD
BT-E8016			
BT-E8014	377	147	
BT-E8010			169
BT-E6000	448	180	
BT-E6001			
BT-E6010			

[C-541 Product Information / Hub / FREEHUB dimension \[MTB,Trekking\]](#) - Revised (FH-MT500, Dimension E)

[version 1.6 - November 27, 2019](#)



Model No.	A O.L.D.	B Flange distance	C Off set	D / D' P.C.D	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'	R	S	U Low gear contact face to flange
FH-M8000				44	168 (173)		ø52.8								
FH-M6000		57.4	6.6	45	166 (170)		ø54	ø53.8					40.75	24.3	4.7
FH-M4050															
FH-M3050															
FH-MT500	135	55.2	6.7	61	172		ø69.9	ø69.8					36.2	24.25	10.4
FH-MT401		55.17	6.72	61	166 (170)		ø69.9	ø69.8					36.2	24.25	10.4
FH-RM35		57.4	6.6	45	166 (170)	ø2.6	ø54	ø53.8	3.2 / 3.5	ø20.0	ø19.5	5.5	40.75	24.3	4.7
FH-TX505-B		59.5	5.6		176		ø53.8						38.1	24.25	5.3
FH-TY505-7		62.2	6.2	61	172		ø69.9	ø68.8					36.2	24.25	9.8
FH-MT500-B		61.6	6.6	61	172 (176)		ø69.8	ø68.8					36.2	24.25	10.4
FH-MT401-B							ø53.8	ø53.8							
FH-MT200-B (32H,36H)	141	63.4	6.6	45	172 (176)		ø54.8	ø54.8					40.75	24.25	4.7
FH-MT200-B (28H)															

[version 1.7 - December 10, 2019](#)



Model No.	A O.L.D.	B Flange distance	C Off set	D / D' P.C.D	E QR	F Spoke hole	G / G' Flange diameter	M / N Flange thickness	O	O'	Q	Q'	R	S	U Low gear contact face to flange
FH-M8000				44	168 (173)		ø52.8								
FH-M6000		57.4	6.6	45	166 (170)		ø54	ø53.8					40.75	24.3	4.7
FH-M4050															
FH-M3050															
FH-MT500	135	55.2	6.7	61	170		ø69.9	ø69.8					36.2	24.25	10.4
FH-MT401		55.17	6.72	61	166 (170)		ø69.9	ø69.8					36.2	24.25	10.4
FH-RM35		57.4	6.6	45	166 (170)	ø2.6	ø54	ø53.8	3.2 / 3.5	ø20.0	ø19.5	5.5	40.75	24.3	4.7
FH-TX505-B		59.5	5.6		176		ø53.8						38.1	24.25	5.3
FH-TY505-7		62.2	6.2	61	172		ø69.9	ø68.8					36.2	24.25	9.8
FH-MT500-B		61.6	6.6	61	172 (176)		ø69.8	ø68.8					36.2	24.25	10.4
FH-MT401-B							ø53.8	ø53.8							
FH-MT200-B (32H,36H)	141	63.4	6.6	45	172 (176)		ø54.8	ø54.8					40.75	24.25	4.7
FH-MT200-B (28H)															

[C-624 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Integrated type battery appropriated mounting angle](#) - Added (BT-E8036)

[version 1.7 - December 10, 2019](#)



Model No.	Type	Mounting angle	
		Install/removal from upper side of down tube	Install/removal from lower side of down tube
BT-E8035	Integrated type battery	50° ≤ θ ≤ 75°	50° ≤ θ ≤ 75°
BT-E8035-L	Integrated type battery	TBD	TBD
BT-E8036	Integrated type battery	TBD	50° ≤ θ ≤ 75°

November 27, 2019 (Ver 1.6)

C-117 Frame Requirement / Crankset / Dimensions [MTB,Trekking] / Y dimensions - Revised (FC-M8100-2, Dimension y5)

version 1.5 - November 13, 2019

Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
	FC-M9100-2	38-28T	-	79.3	59.4	35.5	50.5	193.3	193.3	-
	FC-M8100-2	36-26T	-	75.3	55.4	31.6	46.5	196.9	196.9	-
	FC-M7100-2	38-28T	-	75.3	55.4	31.6	47.8	196.9	196.9	-
	FC-MT610-2	36-26T	-	75.3	55.4	31.6	47.8	192.8	192.8	-
		38T	-	81.6	-	24.6	-	193.3	193.3	-
		36T	-	77.6	-	24.6	-	193.3	193.3	-
		34T	-	73.5	-	24.6	-	193.3	193.3	-
		32T	-	69.5	-	24.6	-	193.3	193.3	-

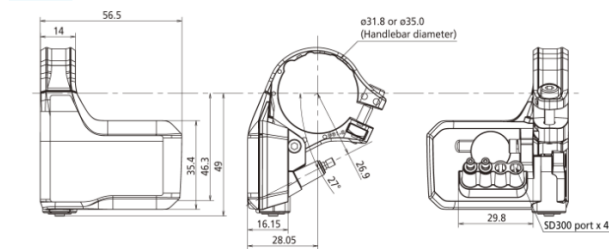
version 1.6 - November 27, 2019

Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
	FC-M9100-2	38-28T	-	79.3	59.4	35.5	50.5	193.3	193.3	-
	FC-M8100-2	36-26T	-	75.3	55.4	31.6	47.8	196.9	196.9	-
	FC-M7100-2	38-26T	-	75.3	55.4	31.6	47.8	196.9	196.9	-
	FC-MT610-2	36-26T	-	75.3	55.4	31.6	47.8	192.8	192.8	-
		38T	-	81.6	-	24.6	-	193.3	193.3	-
		36T	-	77.6	-	24.6	-	193.3	193.3	-
		34T	-	73.5	-	24.6	-	193.3	193.3	-
		32T	-	69.5	-	24.6	-	193.3	193.3	-

C-416 E-BIKE components / Cycle Computer / Dimensions - Revised (SC-EM800), Added (SC-E5000)

version 1.5 - November 13, 2019

SC-EM800



* different size of clamp band are available

SC-E8000

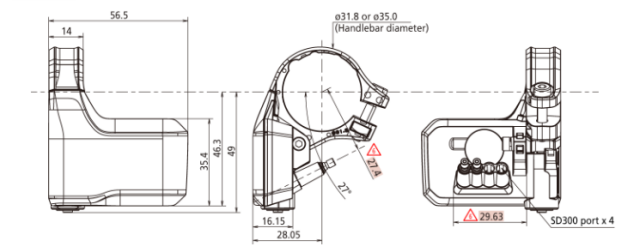


SC-E5000



version 1.6 - November 27, 2019

SC-EM800

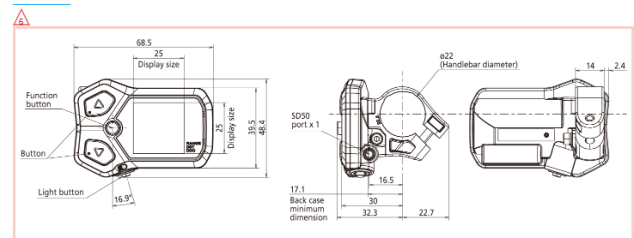


* different size of clamp band are available

SC-E8000



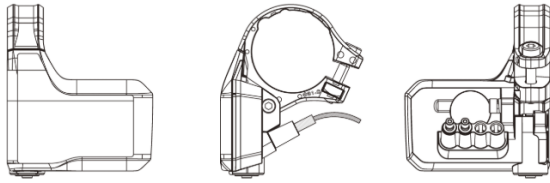
SC-E5000



[C-417 E-BIKE components / Cycle Computer / Cable directions](#) - Revised (SC-EM800), Added (SC-E5000)

[version 1.5 - November 13, 2019](#)

[SC-EM800](#)



[SC-E8000 / SC-E7000](#)

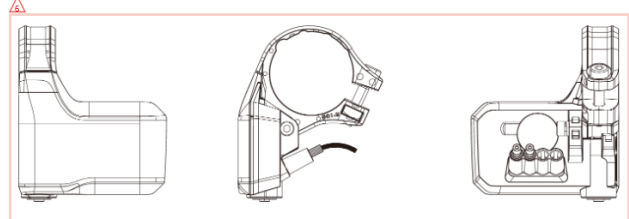


[SC-E5000](#)

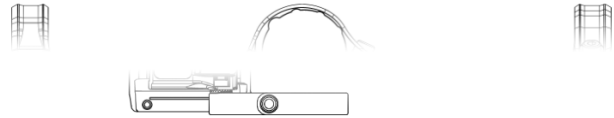


[version 1.6 - November 27, 2019](#)

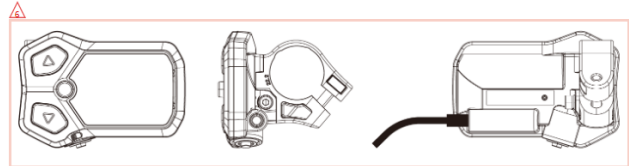
[SC-EM800](#)



[SC-E8000 / SC-E7000](#)



[SC-E5000](#)



November 13, 2019 (Ver 1.5)

[C-299 Compatibility / Spoke protector / MTB](#) - Revised (Model no. of Spoke protector for several wheels)

[version 1.4 - October 29, 2019](#)

Speed	Model No.	Cassette sprocket									Spoke protector model			
		Cassette sprocket low gear No.									WH-M8100	WH-M8120	WH-MT620	WH-MT601
12-speed	CS-M9100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29	CP-WH31 (for 10-45T)	TBD
	CS-M8100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29	CP-WH31 (for 10-45T)	TBD
	CS-M7100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29	CP-WH31 (for 10-45T)	TBD
	CS-M6100	-	-	-	-	-	-	-	-	-	TBD	TBD	TBD	TBD
11-speed	CS-M9001	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M8000	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M7000	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M5100	-	-	-	-	-	-	-	-	-	-	-	-	-
10-speed	CS-M4100	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-M771-10	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG81-10	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG500-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-speed	CS-HG400-9 / CS-HG300-9 / CS-HG201-9 / CS-HG200-9	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG400-9 / CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-	-

Speed	Model No.	Cassette sprocket									Spoke protector model		
		Cassette sprocket low gear No.									WH-MT501	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600
12-speed	CS-M9100	-	-	-	-	-	-	-	-	-	CP-WH27 (for 10-51T)	-	-
	CS-M8100	-	-	-	-	-	-	-	-	-	CP-WH31 (for 10-45T)	-	-
	CS-M7100	-	-	-	-	-	-	-	-	-	CP-WH31 (for 10-45T)	-	-
	CS-M6100	-	-	-	-	-	-	-	-	-	TBD	-	-
11-speed	CS-M9001	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M8000	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M7000	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M5100	-	-	-	-	-	-	-	-	-	TBD	TBD	-
10-speed	CS-M4100	-	-	-	-	-	-	-	-	-	TBD	TBD	-
	CS-M771-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
	CS-HG81-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
	CS-HG500-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
9-speed	CS-HG400-9 / CS-HG300-9 / CS-HG201-9 / CS-HG200-9	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG400-9 / CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-

[version 1.5 - November 13, 2019](#)

Speed	Model No.	Cassette sprocket									Spoke protector model			
		Cassette sprocket low gear No.									WH-M8100	WH-M8120	WH-MT620	WH-MT601
12-speed	CS-M9100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29 (for 10-51T)	CP-WH27 (for 10-51T)	TBD
	CS-M8100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29 (for 10-51T)	CP-WH27 (for 10-51T)	TBD
	CS-M7100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29 (for 10-51T)	CP-WH27 (for 10-51T)	TBD
	CS-M6100	-	-	-	-	-	-	-	-	-	CP-WH28	CP-WH29 (for 10-51T)	CP-WH27 (for 10-51T)	TBD
11-speed	CS-M9001	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M8000	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M7000	-	-	-	-	-	-	-	-	-	CP-WH17-A	-	-	-
	CS-M5100	-	-	-	-	-	-	-	-	-	-	-	-	-
10-speed	CS-M4100	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-M771-10	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG81-10	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG500-10	-	-	-	-	-	-	-	-	-	-	-	-	-
9-speed	CS-HG400-9 / CS-HG300-9 / CS-HG201-9 / CS-HG200-9	-	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG400-9 / CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-	-

Speed	Model No.	Cassette sprocket									Spoke protector model		
		Cassette sprocket low gear No.									WH-MT501	WH-M9000 WH-M9020 WH-M8000 WH-M8020 WH-M8000-B WH-M8020-B	WH-MT600
12-speed	CS-M9100	-	-	-	-	-	-	-	-	-	CP-WH27 (for 10-51T)	-	-
	CS-M8100	-	-	-	-	-	-	-	-	-	CP-WH31 (for 10-45T)	-	-
	CS-M7100	-	-	-	-	-	-	-	-	-	CP-WH31 (for 10-45T)	-	-
	CS-M6100	-	-	-	-	-	-	-	-	-	TBD	-	-
11-speed	CS-M9001	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M8000	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M7000	-	-	-	-	-	-	-	-	-	CP-WH17-A	CP-WH26	-
	CS-M5100	-	-	-	-	-	-	-	-	-	TBD	TBD	-
10-speed	CS-M4100	-	-	-	-	-	-	-	-	-	TBD	TBD	-
	CS-M771-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
	CS-HG81-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
	CS-HG500-10	-	-	-	-	-	-	-	-	-	-	CP-WH16	-
9-speed	CS-HG400-9 / CS-HG300-9 / CS-HG201-9 / CS-HG200-9	-	-	-	-	-	-	-	-	-	-	-	-
	CS-HG400-9 / CS-HG300-9	✓	-	-	-	-	-	-	-	-	-	-	-

[C-488 Compatibility / E-BIKE compatibility chart / Drivetrain compatibility](#) - Added (CD-EM800, FC-EM900), Deleted (SM-CDE80-SB)

[version 1.4 - October 29, 2019](#)

Drive Unit	Model No.	Chainring									Chain device			Crank arm				
		SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	SM-CRE80-12.8	FC-E8000	FC-E8010	FC-E8020	FC-E8030	FC-E8040
Drive Unit	DU-E8000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E8080	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E7000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E6100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E6110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E6180	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E6002	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E6012	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drive Unit	DU-E5000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DU-E5080	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

[C-510 E-BIKE components / Chain device / Chain device dimensions](#) - Added (CD-EM800), Deleted (SM-CDE80-SB)

[version 1.4 - October 29, 2019](#)

[SM-CDE80-SB](#)

[version 1.5 - November 13, 2019](#)

[CD-EM800](#)

C-586 E-BIKE components / Drive unit / Frame mount type compatibility - Revised (Compatibility of DU-EP800)

version 1.4 - October 29, 2019

Drive unit	Drive unit cover	Frame Mount		
		Type 1	Type 2	Type 3
DU-E5000	SM-DUE50-T	-	-	✓
DU-E5080	SM-DUE50-C	-	-	✓
DU-E6100	SM-DUE61-T	-	-	✓
DU-E6110	SM-DUE61-C	-	-	✓
DU-E6180	SM-DUE61-C	-	-	✓
DU-E7000	SM-DUE70-A	-	✓	✓
	SM-DUE70-B	-	✓	✓
DU-E8000	SM-DUE80-A	-	✓	✓
DU-E8080	SM-DUE80-B	-	✓	✓
DU-EP800	DC-EP800-A	TBD	✓	✓
	DC-EP800-B	TBD	TBD	✓

* Gap between the cover and the frame mount is large on the RIGHT SIDE.

version 1.5 - November 13, 2019

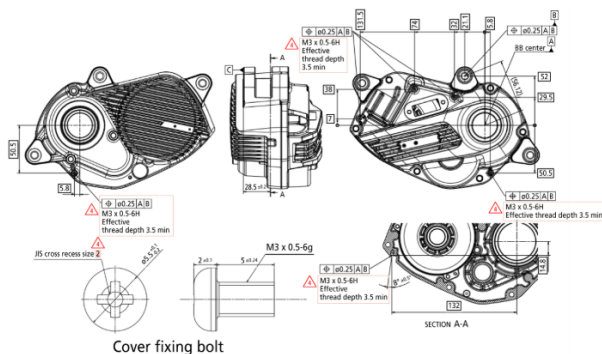
Drive unit	Drive unit cover	Frame Mount		
		Type 1	Type 2	Type 3
DU-E5000	SM-DUE50-T	-	-	✓
DU-E5080	SM-DUE50-C	-	-	✓
DU-E6100	SM-DUE61-T	-	-	✓
DU-E6110	SM-DUE61-C	-	-	✓
DU-E6180	SM-DUE61-C	-	-	✓
DU-E7000	SM-DUE70-A	-	✓	✓
	SM-DUE70-B	-	-	✓
DU-E8000	SM-DUE80-A	-	✓	✓
DU-E8080	SM-DUE80-B	-	✓	✓
DU-EP800	DC-EP800-A	-	✓	✓
	DC-EP800-B	-	✓	✓

* Gap between the cover and the frame mount is large on the RIGHT SIDE.

C-623 E-BIKE components / Drive unit cover / Custom cover / EP8 series - Revised (Dimension digram)

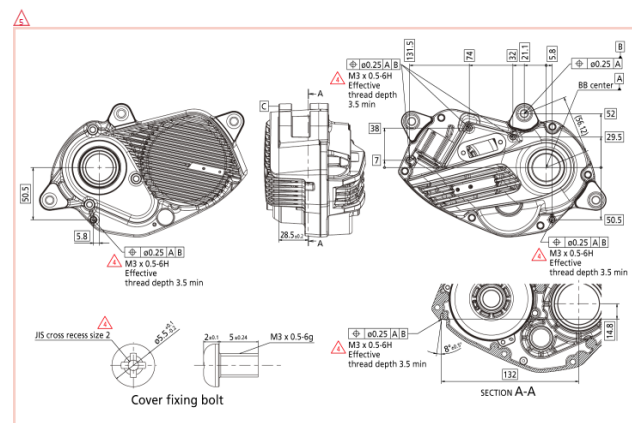
version 1.4 - October 29, 2019

- You can use below threads circled in yellow (maximum 6 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the cover fixing bolts packed in [DU-EP800](#).



version 1.5 - November 13, 2019

- You can use below threads circled in yellow (maximum 6 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the cover fixing bolts packed in [DU-EP800](#).



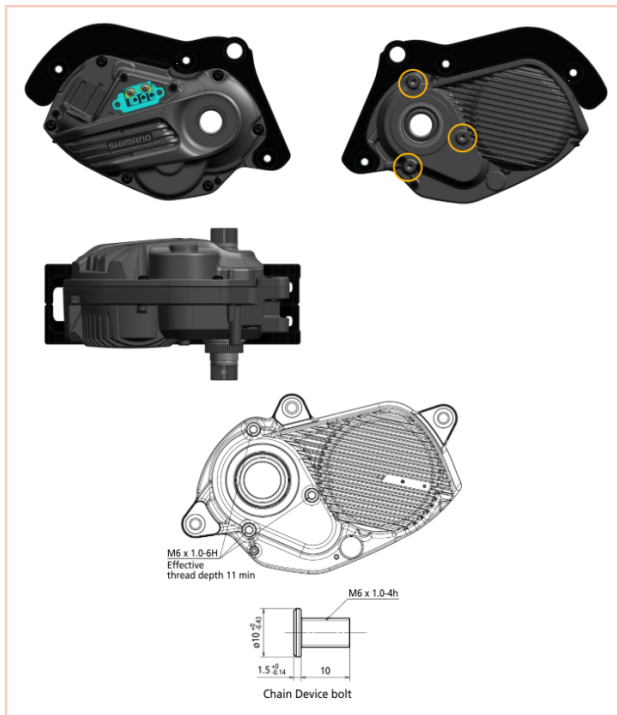
C-628 E-BIKE components / Drive unit / Chain Device fixing bolt position - Revised (Dimension digram)

version 1.4 - October 29, 2019

△Chain Device fixing bolt position

C-628

- You can use below threads circled in yellow (maximum 3 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the chain device fixing bolt packed in [DU-EP800](#).

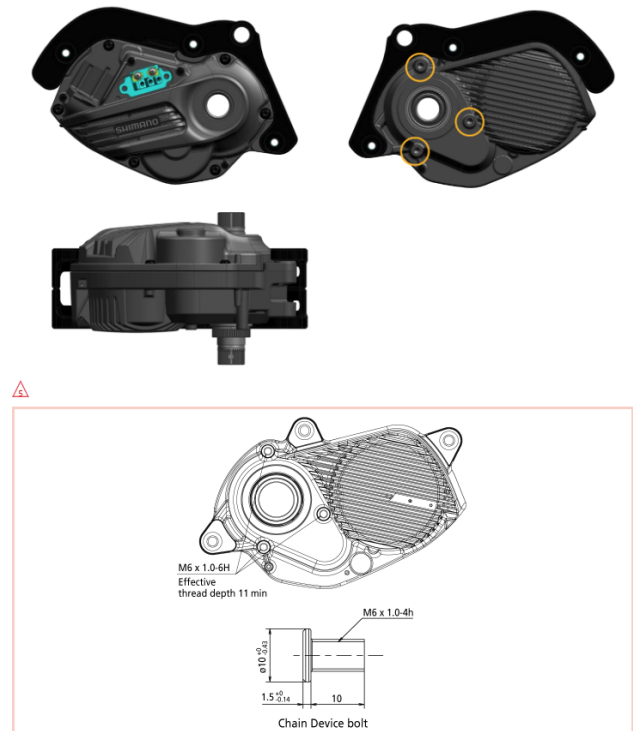


version 1.5 - November 13, 2019

△Chain Device fixing bolt position

C-628

- You can use below threads circled in yellow (maximum 3 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the chain device fixing bolt packed in [DU-EP800](#).

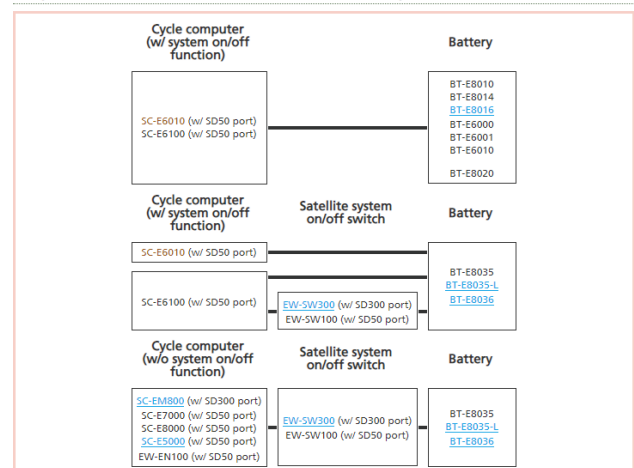


C-629 Compatibility / E-BIKE compatibility chart / System ON/OFF function compatibility - Added (Initial release)

version 1.5 - November 13, 2019

△System on/off function compatibility

C-629



October 29, 2019 (Ver 1.4)

[C-170 Product Information / Shifting lever / Brake lever \[URBAN \(ALFINE, NEXUS\)\] / RAPIDFIRE PLUS shifter for ALFINE / NEXUS](#) - Added (SL-C2010-3)

version 1.4 - October 29, 2019

Model No.	Max. A (mm)	B (mm) Front / Rear	C (mm)	D (mm) Front / Rear	E (mm)	F	G (mm)	H (mm) Front / Rear
SL-5700	ø34	33.7	12	52.7	ø14	20.0°	32.3	21.15
SL-57000-8 SL-5503 SL-7550 SL-5550	ø32	24.5	14	46.6	ø14	19.67°	32.7	28.1
SL-C2010-3	ø36	28.5	13	40.3 / 40.0	ø15	10°	25.2	22.8

[C-172 Product Information / Shifting lever / Brake lever \[URBAN \(ALFINE, NEXUS\)\] / Tool variations for assembly on handlebar](#) - Added (SL-C2010-3)

version 1.4 - October 29, 2019

Series	Speed	Model No.	Screw size for clamp band	Screw head shape and size
ALFINE	11	SL-5700	M6 x 14.8	Hexagon socket 4 mm
	8	SL-57000-8	M6 x 17.8	Hexagon socket 4 mm
	8	SL-C6000-8	M4 x 18.7	Hexagon socket 3 mm
	7	SL-7550	M6 x 17.8	Hexagon socket 5 mm
NEXUS	7	SL-C3000-7	M4 x 18.7	Hexagon socket 3 mm
	5E	SL-C7000-5	M4 x 18.7	Hexagon socket 3 mm
	5	SL-5550	M6 x 17.8	Hexagon socket 5 mm
		SL-5530	M4 x 18.7	Hexagon socket 3 mm
		SL-C2010-3	M6 x 17.5	Hexagon socket 5 mm
		SL-3541E		
		SL-3542E		
		SL-3543	M4 x 23.5	Hexagon socket 3 mm
		SL-3558		
		SL-3535E	M4 x 16.0	Hexagon socket 4 mm
		SL-3590		
		SL-3591	M5 x 20.0	Cross recess No.2

[C-218 Product Information / Hub roller brake / Chainstay dimensions for securing rear brake arm clip](#) - Revised (Available sizes and variations for the brake arm clip at position C)

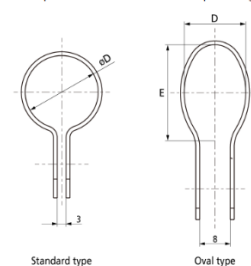
version 1.3 - October 15, 2019

SIZE	Standard	Coating spec.	Stainless spec.	Black Coating spec.
ø3 / 4 inch	✓	✓	✓	✓
ø5 / 8 inch	✓	✓	✓	✓
ø11 / 16 inch	✓	✓	✓	✓
ø15 mm	✓	✓	✓	✓
ø19 mm	✓ (JPN)	-	-	-
ø22 mm	✓	✓	✓	✓
Oval	✓ (JPN)	-	-	-
Oval small	✓ (JPN)	-	-	-
Oval large	✓ (JPN)	-	-	-
Flat	✓ (JPN)	-	-	-

version 1.4 - October 29, 2019

SIZE	D dim.	E dim.	Standard (Zn plating)	Standard (Ni plating)	Coating spec.	Stainless spec.	Black Coating spec.
ø3 / 4 inch	19	-	✓	✓	✓	✓	-
ø5 / 8 inch	16	-	✓	✓	✓	✓	✓
ø11 / 16 inch	17.5	-	✓	✓	✓	✓	✓
ø15 mm	15	-	✓	✓	✓	✓	-
ø19 mm	19	-	✓	-	-	-	-
ø22 mm	22	-	✓	✓	✓	✓	✓
Oval large	19	29.8	✓	-	-	-	-
Oval small	16	25	✓	-	-	-	-
Flat	-	-	✓	-	-	-	-

Please choose proper size Arm Clip and ensure the Arm Clip fits tightly on seat tube.



version 1.3 - October 15, 2019

C-393 E-BIKE components / Drive unit / Drive unit dimensions - Added (Type-2/3 (DU-EP800))

version 1.4 - October 29, 2019



Fix all 6 bolts on the rigid part of the frame.



C-402 E-BIKE components / Electrical Specifications / Electrical Specifications for lights and accessory port - Revised (Specification for DU-EP800)

version 1.3 - October 15, 2019

Electrical Specifications for lights

C-402

- DU-E8000, DU-E8080
 - Supply voltage: DC 6V ($\pm 0.5V$)
 - Supply current: MAX 2000mA
- DU-EP800, DU-E7000, DU-E6100, DU-E6180, DU-E6180, DU-E5000, DU-E5080
 - Supply voltage: DC 13.5V ($\pm 1.0V$)
 - Supply current: MAX 2000mA

Requirement for lights

- The total current consumption of the lights (front and rear lights inclusive) must be less than 1000mA (2000mA in the case of DU-EP800, DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080)
- Do not connect any drive unit with
 - any light which has a stand/parking light function
 - any light which doesn't meet EMC directive for CE marking
- Do not connect any light which has following peak current
 - DU-EP800, DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080: 3[A](peak current)
- Refer to C-487 "Electromagnetic compatibility" information

version 1.4 - October 29, 2019

Electrical Specifications for lights and accessory port

C-402



- DU-EP800 (light/accessory selectable by OEM E-TUBE)
 - for light (switch ON/OFF is available from Cycle Computer)
 - Supply voltage: DC 13.5 V ($\pm 1.0V$)
 - Supply current: max. 2000 mA
 - for accessory (always ON)
 - Supply voltage: DC 13.5 V ($\pm 1.0V$)
 - Supply current: max. 2000 mA
- DU-E8000, DU-E8080
 - Supply voltage: DC 6 V ($\pm 0.5 V$)
 - Supply current: max. 2000 mA
- DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080
 - Supply voltage: DC 13.5 V ($\pm 1.0 V$)
 - Supply current: max. 2000 mA

Requirement for lights

- The total current consumption of the lights (front and rear lights inclusive) must be less than 2000 mA in the case of DU-EP800, DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080
- Do not connect any drive unit with
 - any light which has a stand/parking light function
 - any light which doesn't meet EMC directive for CE marking
- Do not connect any light which has following peak current
 - DU-EP800, DU-E8000, DU-E8080, DU-E7000, DU-E6100, DU-E6110, DU-E6180, DU-E5000, DU-E5080: 3 [A] (peak current)
- Refer to C-487 "Electromagnetic compatibility" information.

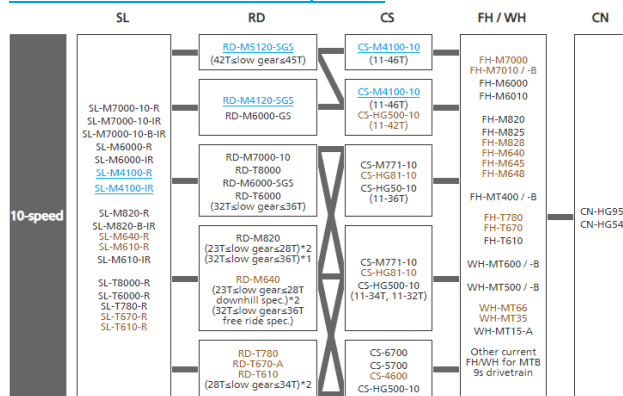


Requirement for accessory (DU-EP800)

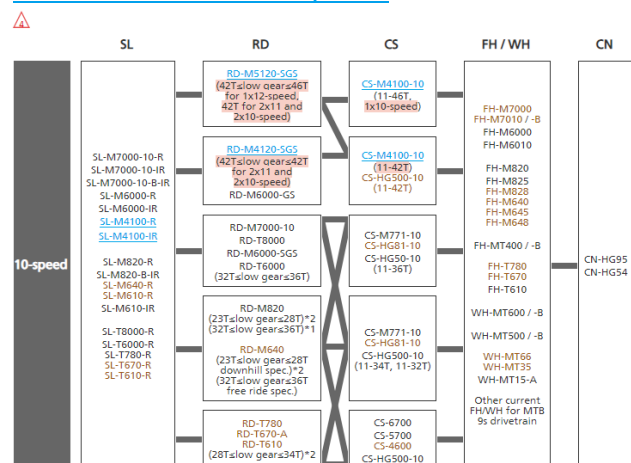
- The total current of the accessory must be less than 2000 mA.
- Refer to C-487 "Electromagnetic compatibility" information.

C-436 Compatibility / Drivetrain for MTB components / Rear drivetrain compatibility [MTB] / 10-speed rear drivetrain [MTB] - Revised (RD-M5120-SGS/M4120-SGS, CS-M4100-10)

version 1.3 - October 15, 2019



version 1.4 - October 29, 2019



C-479 Product Information / Internal geared hub / Internal geared hub performance - Revised (Input torque by rider/NOTE 3)

version 1.3 - October 15, 2019

Series		ALFINE		NEXUS	
Model No.		SG-57001-11 SG-57051-11	SG-57001-8 SG-57051-8	SG-C6001-8R SG-C6011-8V SG-C6061-8R SG-C6061-8V SG-C6061-8C SG-C6061-8D SG-C6061-8CD	SG-C6001-8R SG-C6001-8V SG-C6001-8C SG-C6001-8D SG-C6001-8CD
Maximum torque for shifting (Nm) (*see NOTE 1 and 2)	Up Shift (Low ⇒ Top)	5	5	5	5
	Down Shift (Top ⇒ Low)	10	12	12	12
Static strength		Fulfil EN 14764 4.13.6 Requirements			
Maximum continuous input allowed (to guarantee the durability of the hub)	Maximum torque (Nm) (*see NOTE 1 and 2)	40	40	40	35
	With the above mentioned Maximum torque, below Maximum input at the crank is calculated (with mentioned gear ratio)				
	Gear ratio (Front sprocket teeth/ Rear sprocket teeth)	1.9	2.1	2.1	2.1
Maximum continuous input at crank (Watt) (*see NOTE 2)		500	500	500	440
Maximum input allowed at 50Nm to the crank arm by rider plus motor torque		60	60	60	60

Series		NEXUS	
Model No.		SG-C3001-7R SG-C3001-7C SG-C3001-7D	SG-3R75-B SG-C7000-5D SG-C7000-5R SG-C7000-5V SG-C7050-5D SG-C7050-5R SG-C7050-5V
Maximum torque for shifting (Nm) (*see NOTE 1 and 2)	Up Shift (Low ⇒ Top)	5	40
	Down Shift (Top ⇒ Low)	8	7
Static strength		Fulfil EN 14764 4.13.6 Requirements	
Maximum continuous input allowed (to guarantee the durability of the hub)	Maximum torque (Nm) (*see NOTE 1 and 2)	35	40
	With the above mentioned Maximum torque, below Maximum input at the crank is calculated (with mentioned gear ratio)		55
	Gear ratio (Front sprocket teeth/ Rear sprocket teeth)	2.1	2.6
Maximum continuous input at crank (Watt) (*see NOTE 2)		440	500
Maximum input allowed at 50Nm to the crank arm by rider plus motor torque		60	80

* SG-3R40, SG-3C41 and SG-3D55 are not recommended for E-BIKE system with midship motor.

NOTE 1

Input torque at the sprocket assembled on the hub.

NOTE 2

When using E-BIKE systems with midship motor please mind to calculate with total power in the drive train (motor + rider).

NOTE 3

How to calculate :
Maximum input = (Input torque by rider : 50 + Maximum torque of midship motor) / Internal gearing ratio of midship motor / Gear ratio of bicycle
In case of SHIMANO STEPS, with 2.1 (gear ratio of bicycle) : Maximum torque = (50+50) / 1 / 2.1 = 47.6 < 60
To make maximum input below 60Nm, please adjust Maximum torque of midship motor and gear ratio of bicycle.

version 1.4 - October 29, 2019

Series		ALFINE		NEXUS	
Model No.		SG-57001-11 SG-57051-11	SG-57001-8 SG-57051-8	SG-C6011-8R SG-C6011-8V SG-C6061-8R SG-C6061-8V SG-C6061-8C SG-C6061-8D SG-C6061-8CD	SG-C6001-8R SG-C6001-8V SG-C6001-8C SG-C6001-8D SG-C6001-8CD
Maximum torque for shifting (Nm) (*see NOTE 1 and 2)	Up Shift (Low ⇒ Top)	5	5	5	5
	Down Shift (Top ⇒ Low)	10	12	12	12
Static strength		Fulfil EN 14764 4.13.6 Requirements			
Maximum continuous input allowed (to guarantee the durability of the hub)	Maximum torque (Nm) (*see NOTE 1 and 2)	40	40	40	35
	With the above mentioned Maximum torque, below Maximum input at the crank is calculated (with mentioned gear ratio)				
	Gear ratio (Front sprocket teeth/ Rear sprocket teeth)	1.9	2.1	2.1	2.1
Maximum continuous input at crank (Watt) (*see NOTE 2)		500	500	500	440
Maximum input allowed at 30 Nm to the crank arm by rider plus motor torque		60	60	60	60

Series		NEXUS	
Model No.		SG-C3001-7R SG-C3001-7C SG-C3001-7D	SG-3R75-B SG-C7000-5D SG-C7000-5R SG-C7000-5V SG-C7050-5D SG-C7050-5R SG-C7050-5V
Maximum torque for shifting (Nm) (*see NOTE 1 and 2)	Up Shift (Low ⇒ Top)	5	40
	Down Shift (Top ⇒ Low)	8	7
Static strength		Fulfil EN 14764 4.13.6 Requirements	
Maximum continuous input allowed (to guarantee the durability of the hub)	Maximum torque (Nm) (*see NOTE 1 and 2)	35	40
	With the above mentioned Maximum torque, below Maximum input at the crank is calculated (with mentioned gear ratio)		90
	Gear ratio (Front sprocket teeth/ Rear sprocket teeth)	2.1	2.6
Maximum continuous input at crank (Watt) (*see NOTE 2)		440	500
Maximum input allowed at 30 Nm to the crank arm by rider plus motor torque		60	90

* SG-3R40, SG-3C41 and SG-3D55 are not recommended for E-BIKE system with midship motor.

NOTE 1

Input torque at the sprocket assembled on the hub.

NOTE 2

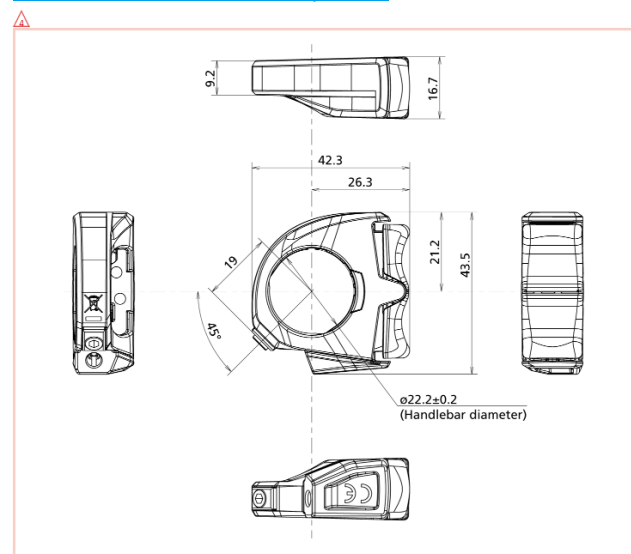
When using E-BIKE systems with midship motor please mind to calculate with total power in the drive train (motor + rider).

NOTE 3

How to calculate :
Maximum input = (Input torque by rider : 30 Nm + Maximum torque of mid-drive motor) / Internal gearing ratio of mid-drive motor / Gear ratio of bicycle
In case of SHIMANO DU-EP800 + SG-C7000 series, with 1.4 (gear ratio of bicycle) : Maximum torque = (30+85) / 1 / 1.4 = 82.1 < 90
To make maximum input below 90 Nm, please adjust Maximum torque of midship motor and gear ratio of bicycle.

C-507 E-BIKE components / Switch unit / Dimensions - Added (SW-EM800-L)

version 1.4 - October 29, 2019

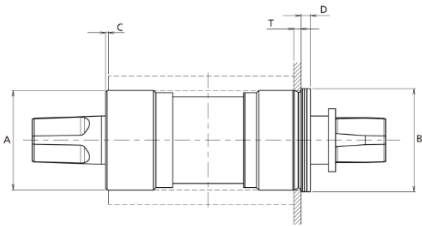


[C-515 Frame Requirement / Bottom bracket / Cartridge type bottom bracket dimensions](#) - Revised
(BB-UN300-*, Dimension A/B), Added (Dimension diagram for BB-UN300-*)

[version 1.3 - October 15, 2019](#)

TBD									
Model No.	Spindle type	Structure type	Axle length (mm)	Shell width (mm)	A (mm)	B (mm)	C (mm)	D (mm)	T (mm)
BB-UN300	Square	Standard	MM107	68 (BC1.37)	ø33.1	ø36	0	3.3	-
			MM110	69 (BC1.37)					
			LL113	68 (BC1.37)					
			73 (BC1.37)	68 (BC1.37)					
			D-H115	68 (BC1.37)					
			117.5	68 (BC1.37)					
			XL118	68 (BC1.37)					
			73 (BC1.37)	68 (BC1.37)					
			D-NL122	68 (BC1.37)					
			D-EL127	68 (BC1.37)					
BB-UN300-E	E-type		LL123	68 (BC1.37)					2.5*
BB-UN300-K	For chain case		MM110	68 (BC1.37)					≤2.5
			117.5						
			XL118						
			D-NL122						
			D-EL127						
			LL123						

[version 1.4 - October 29, 2019](#)

									
Model No.	Spindle type	Structure type	Axle length (mm)	Shell width (mm)	A (mm)	B (mm)	C (mm)	D (mm)	T (mm)
BB-UN300	Square	Standard	MM107	68 (BC1.37)	ø34.8	ø36	0	3.3	-
			MM110	69 (BC1.37)					
			LL113	68 (BC1.37)					
			73 (BC1.37)	68 (BC1.37)					
			D-H115	68 (BC1.37)					
			117.5	68 (BC1.37)					
			XL118	68 (BC1.37)					
			73 (BC1.37)	68 (BC1.37)					
			D-NL122	68 (BC1.37)					
			D-EL127	68 (BC1.37)					
BB-UN300-E	E-type		LL123	68 (BC1.37)		ø38			2.5*
BB-UN300-K	For chain case		MM110	68 (BC1.37)		ø36			≤2.5
			117.5						
			XL118						
			D-NL122						
			D-EL127						
			LL123						

[C-584 Product Information / Shifting lever / Brake lever \[MTB, ROAD, Gravel/Adventure, URBAN \(ALFINE\)\] / RAPIDFIRE PLUS MONO / I-SPEC EV](#) - Revised (SL-M5100-IL&BL-M6100-L, Dimension B/C/D)

[version 1.3 - October 15, 2019](#)

Shifting lever	Brake lever	Max. A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H* (mm)
SL-M9100-IL	BL-M9100-L	ø32	25.5	17	11.2-25.2	ø14.5	16*	27.9	11.7
SL-M8100-IL	BL-M8100-L	ø32	25.5	18	13.2-27.2	ø14.5	16*	26.6	13.3
SL-M7100-IL	BL-M7100-L	ø36	25.5	18	13.2-27.2	ø14.5	16*	26.6	13.3
SL-M5100-IL	BL-M6100-L	ø36	TBD	TBD	TBD	ø15	10*	20.1	20.1

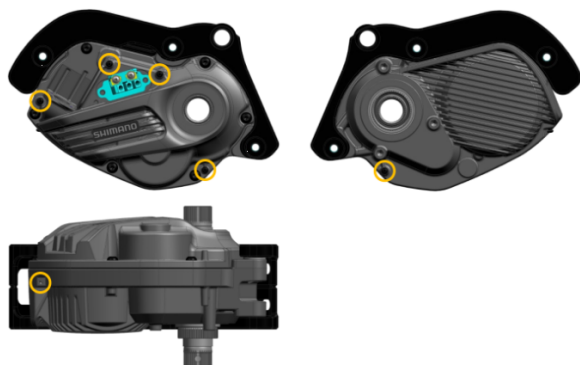
[version 1.4 - October 29, 2019](#)

Shifting lever	Brake lever	Max. A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H* (mm)
SL-M9100-IL	BL-M9100-L	ø32	25.5	17	11.2-25.2	ø14.5	16*	27.9	11.7
SL-M8100-IL	BL-M8100-L	ø32	25.5	18	13.2-27.2	ø14.5	16*	26.6	13.3
SL-M7100-IL	BL-M7100-L	ø36	25.5	18	13.2-27.2	ø14.5	16*	26.6	13.3
SL-M5100-IL	BL-M6100-L	ø36	25.4	17.2	30.5	ø15	10*	20.1	20.1

[C-623 E-BIKE components / Drive unit cover / Custom cover / EP8 series](#) - Revised (Description),
Added (Dimension diagram for DU-EP800, several dimensions are revised)

[version 1.3 - October 15, 2019](#)

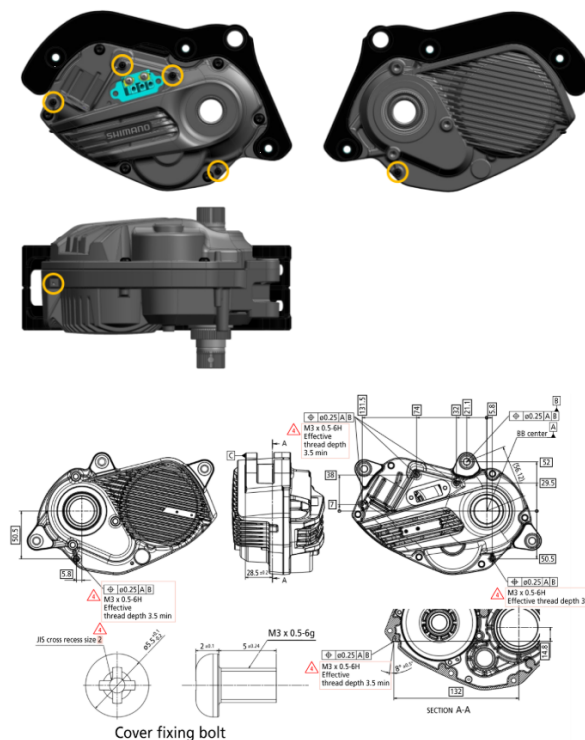
- You can use below threads circled in yellow (maximum 6 threads).
- To keep appropriate tightening torque, make sure to use the cover fixing bolts packed in DU-EP800.



TBD									
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[version 1.4 - October 29, 2019](#)

- You can use below threads circled in yellow (maximum 6 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the cover fixing bolts packed in DU-EP800.

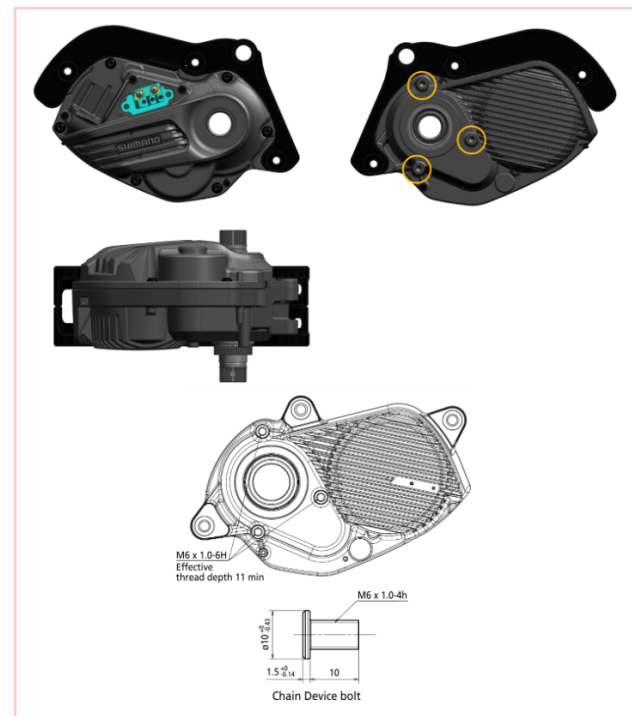


version 1.4 - October 29, 2019

⚠ Chain Device fixing bolt position

C-628

- You can use below threads circled in yellow (maximum 3 threads).
- To keep appropriate tightening torque when you use below threads circled in yellow, make sure to use the chain device fixing bolt packed in [DU-EP800](#).



October 15, 2019 (Ver 1.3)

C-052 Frame Requirement / Front derailleur / Bottom bracket mount type [MTB] - Revised (FD-M5100-E/4100-E, Dimension H)

version 1.2 - September 25, 2019

FD type	Rear Speed	Model No.	Outer chainring teeth	Dimension H (mm)	BB shell width (mm)
SIDE SWING	12	FD-M9100-E	38T	46	68,73
		FD-M8100-E	36T	42	
		FD-M7100-E	36T	42	
		FD-M5100-E	36T	42	
DI2 (with SM-FD905-E)	11	FD-M8070	36T	TBD	
		FD-M6000-E	36T	46	
		FD-M617-E	36T	42	
		FD-M4100-E	36T	42	
SIDE SWING	10	FD-M610-E	40T	46	
		FD-M785-E2	38T	42	
		FD-M675-E2	38T	42	
		FD-M618-E	36T	42	
TOP SWING	9	FD-M3120-E	36T	42	

version 1.3 - October 15, 2019

FD type	Rear Speed	Model No.	Outer chainring teeth	Dimension H (mm)	BB shell width (mm)
SIDE SWING	12	FD-M9100-E	38T	46	68,73
		FD-M8100-E	36T	42	
		FD-M7100-E	36T	42	
		FD-M5100-E	36T	42	
DI2 (with SM-FD905-E)	11	FD-M8070	36T	TBD	
		FD-M6000-E	36T	46	
		FD-M617-E	36T	42	
		FD-M4100-E	36T	42	
SIDE SWING	10	FD-M610-E	40T	46	
		FD-M785-E2	38T	42	
		FD-M675-E2	38T	42	
		FD-M618-E	36T	42	
TOP SWING	9	FD-M3120-E	36T	42	

C-056 Frame Requirement / Front derailleur / SIDE SWING type [MTB] - Revised (FD-M5100-*/M4100-*, Dimensions)

version 1.2 - September 25, 2019

FD type	Rear Speed	Model No.	Outer chainring teeth	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (deg.)	G (mm)	H (mm)	I (mm)	J (mm)	K (deg.)
SIDE SWING	11	FD-M5100-D	36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		FD-M5100-M	36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		FD-M6000-H	40T	32	-	18	-	129	54	83	72	26	80	119
		FD-M6000-L	42T	32	-	18	-	129	54	83	72	26	80	119
	10	FD-M6000-D	40T	32	-	18	-	129	54	83	72	26	80	119
		FD-M6000-E	42T	32	-	18	-	129	54	83	72	26	80	119
		FD-M4100-D	36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		FD-M4100-M	36T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		FD-M617-H	36T	32	-	21	-	126	56	70	72.6	18	71	111
		FD-M617-L	36T	32	-	21	-	126	56	70	72.6	18	71	111

version 1.3 - October 15, 2019

FD type	Rear Speed	Model No.	Outer chainring teeth	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (deg.)	G (mm)	H (mm)	I (mm)	J (mm)	K (deg.)
SIDE SWING	11	FD-M5100-D	36T	33	-	36	22	-	25	126	56	70	72.6	18
		FD-M5100-E	36T	33	-	36	22	-	25	126	56	70	72.6	18
		FD-M6000-H	40T	-	32	-	18	-	129	54	83	72	26	80
		FD-M6000-L	42T	-	32	-	18	-	129	54	83	72	26	80
	10	FD-M6000-D	40T	-	32	-	18	-	129	54	83	72	26	80
		FD-M6000-E	42T	-	32	-	18	-	129	54	83	72	26	80
		FD-M4100-D	36T	33	-	36	22	-	25	126	56	70	72.6	18
		FD-M4100-M	36T	33	-	36	22	-	25	126	56	70	72.6	18
		FD-M617-H	36T	32	-	21	-	126	56	70	72.6	18	71	111
		FD-M617-L	36T	32	-	21	-	126	56	70	72.6	18	71	111

FD type	Rear Speed	Model No.	Outer chainring teeth	L (mm)	M (mm)
SIDE SWING	12	FD-M9100-D	38T	-	-
		FD-M9100-M	38T	27	14
		FD-M8100-D	36T	-	-
		FD-M8100-M	36T	27	14
	11	FD-M7100-D	36T	-	-
		FD-M7100-M	36T	27	14
		FD-M5100-D	36T	TBD	TBD
		FD-M5100-M	36T	TBD	TBD
	10	FD-M6000-H	40T	-	-
		FD-M6000-L	42T	27	14
		FD-M6000-D	40T	-	-
		FD-M6000-E	42T	-	-
		FD-M4100-D	36T	TBD	TBD
		FD-M4100-M	36T	TBD	TBD
		FD-M617-H	36T	27	15
		FD-M617-L	36T	27	14

FD type	Rear Speed	Model No.	Outer chainring teeth	L (mm)	M (mm)
SIDE SWING	12	FD-M9100-D	38T	-	-
		FD-M9100-M	38T	27	14
		FD-M8100-D	36T	-	-
		FD-M8100-M	36T	27	14
	11	FD-M7100-D	36T	-	-
		FD-M7100-M	36T	27	14
		FD-M5100-D	36T	-	-
		FD-M5100-M	36T	27	14
	10	FD-M6000-H	40T	-	-
		FD-M6000-L	42T	27	14
		FD-M6000-D	40T	-	-
		FD-M6000-E	42T	-	-
		FD-M4100-D	36T	-	-
		FD-M4100-M	36T	27	14
		FD-M617-H	36T	27	15
		FD-M617-L	36T	27	14

C-183 Product Information / Front derailleur / Front derailleur and seat tube adapter - Revised (Seat tube adapter for FD-M5100-M/4100-M)

version 1.2 - September 25, 2019

Speed	Model No.	Size
12	FD-M9100-M	ø28.6 mm
	FD-M8100-M	ø31.8 mm
	FD-M7100-M	KSMAD17M
	FD-M5100-M	KSMAD17M
11	SM-FD905-H for FD-M8070	KSMAD17S
	SM-FD905-L for FD-M8070	KSMAD17M
	FD-M7025-11-L	TBD
	FD-M5100-M	TBD
10	FD-T8000	KSMAD17S
	FD-T6000	KSMAD17M
	FD-M6000-H	KSMAD17S
	FD-M6000-M	KSMAD17M
9	FD-M6000-L	TBD
	FD-M6025-L	TBD
	FD-M4100-M	TBD
	FD-M617-H	KSMAD17S
	FD-M617-L	KSMAD17M
8	FD-M4020-M	Y2B198010
	FD-M4020-L	Y2B198020

version 1.3 - October 15, 2019

Speed	Model No.	Size
12	FD-M9100-M	ø28.6 mm
	FD-M8100-M	ø31.8 mm
	FD-M7100-M	KSMAD17M
	FD-M5100-M	KSMAD17M
11	SM-FD905-H for FD-M8070	KSMAD17S
	SM-FD905-L for FD-M8070	KSMAD17M
	FD-M7025-11-L	TBD
	FD-M5100-M	TBD
10	FD-T8000	KSMAD17S
	FD-T6000	KSMAD17M
	FD-M6000-H	KSMAD17S
	FD-M6000-M	KSMAD17M
9	FD-M6000-L	TBD
	FD-M6025-L	TBD
	FD-M4100-M	TBD
	FD-M617-H	KSMAD17S
	FD-M617-L	KSMAD17M
8	FD-M4020-M	Y2B198010
	FD-M4020-L	Y2B198020

C-300 Compatibility / Spoke protector / ROAD, URBAN (METREA) - Added (CP-WH30)

version 1.3 - October 15, 2019

Model No.	Cassette Sprocket total gear No.			Cassette Sprocket low gear No.					
	9-speed	10-speed	11-speed**	23T	25T	27T	28T	30T	32T*
WH-R9170-C60	-	-	-	-	-	-	-	CP-W1460	-
WH-R9170-C40	-	✓	-	-	-	-	-	CP-W1460	-
WH-R9100-C60	-	-	✓	-	-	-	-	CP-W124	-
WH-R9100-C40	-	✓	-	-	-	-	-	CP-W124	-
WH-R9100-C24	-	-	✓	-	CP-WH23	-	-	CP-W120	-
	-	✓	-	-	-	-	-	CP-W020	-
WH-R5770-C30	-	✓	-	-	-	-	-	CP-W1460	CP-W1460
	-	✓	-	-	-	-	-	CP-W1460	-
WH-R5700-C30	-	-	✓	-	-	-	-	CP-W124	CP-W124
	-	✓	-	-	-	-	-	CP-W124	-
WH-R5500	-	-	✓	-	CP-WH23	-	-	CP-W120	-
WH-R5300	-	-	-	-	-	-	-	-	-
WH-R511	-	✓	-	-	-	CP-W020	-	-	-
WH-9000-C24-TU	-	-	✓	-	CP-W184	-	-	CP-W124	-
WH-R5330-CL	-	✓	-	-	-	CP-W024	-	-	-
WH-RX830	-	✓	✓	-	-	-	CP-W1220	-	CP-WH14
WH-RX31	-	✓	✓	-	-	-	CP-W122	-	CP-WH14A
WH-RS100	-	✓	✓	-	-	-	CP-WH24	-	-
WH-R5010-CL	-	✓	✓	-	-	-	CP-WH24	-	CP-FH53
WH-R501	✓	✓	-	CP-FH06	CP-FH31	CP-FH46	CP-WH24	-	CP-FH53
WH-R501-A	-	-	-	-	-	-	-	-	-
	-	-	✓	CP-FH08	-	-	CP-WH12	-	-
WH-R5170	-	✓	-	CP-FH40	CP-FH41	CP-FH40	CP-WH12	-	CP-WH12
	-	-	✓	CP-FH40	CP-FH41	CP-FH40	CP-WH12	-	-
WH-R5171	-	✓	-	CP-FH08	-	-	CP-WH12	-	-
	-	✓	-	CP-FH40	CP-FH41	CP-FH40	CP-WH12	-	CP-WH12
	-	-	✓	CP-FH40	CP-FH41	CP-FH40	CP-WH12	-	CP-WH12
WH-RX010-CL	-	✓	-	CP-FH08	-	-	CP-WH12	-	-
	-	✓	-	CP-FH40	CP-FH41	CP-FH40	CP-WH12	-	CP-WH12
WH-RX010	✓	✓	-	CP-FH08	-	-	CP-WH12	-	-
	-	-	-	-	-	-	CP-WH12	-	-
WH-US000	-	✓	✓	-	-	-	CP-W122	-	-
WH-RS370	-	✓	✓	-	-	-	CP-WH12	-	-
	-	✓	✓	-	CP-WH41	-	-	CP-WH12	-
WH-RX570	-	✓	✓	-	-	-	CP-WH30	-	-
	-	-	-	-	CP-WH41	-	-	CP-WH12	-

* For compact crank set
** 11-speed : CS-R9100 / CS-6800 / CS-5800

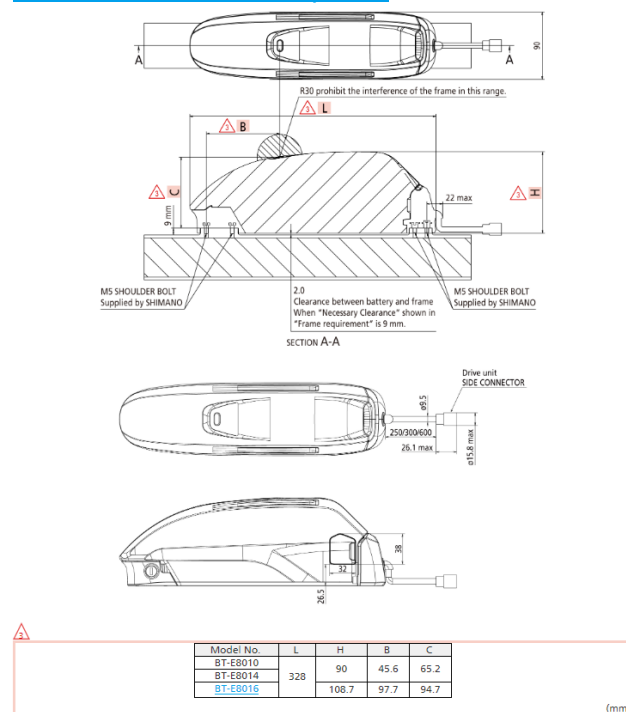
[C-411 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount /](#)
[Frame requirement for down tube type battery mount - Added \(BM-E8010\)](#)

version 1.3 - October 15, 2019

BM-E8016 / BM-E8010 / BM-E6010

[C-412 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / Battery and battery mount dimensions](#) - Added (Dimensions of BT-E8010/E8014 and BM-E8016)

version 1.3 - October 15, 2019



version 1.3 - October 15, 2019

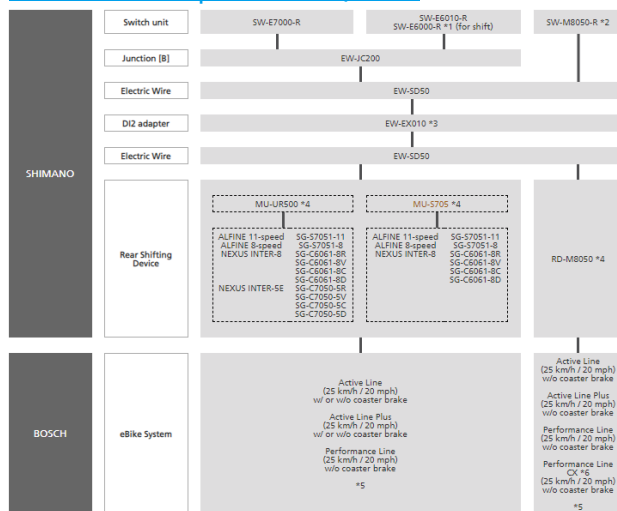


Model No.	L	W	H
BT-E8036			
BT-E8035-L	TBD	TBD	TBD
BT-E8035	448	180	169
BT-E8020			
BT-E8016	TBD	TBD	TBD
BT-E8014			
BT-E8010	448 (377 *)	180 (147 *)	169
BT-E6000			
BT-E6001	389	180	
BT-E6010			

C-429 E-BIKE components / DI2 adapter / DI2 adapter B for EW-EX010 / Compatibility chart - Revised

(All the chart was revised)

version 1.2 - September 25, 2019



Limitation of function

*1: Need to change switch setting by E-TUBE PROJECT

*2: Not support full automatic shift

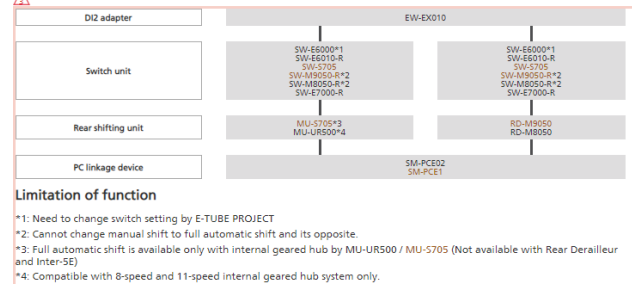
*3: EW-EX010 and BOSCH eBike system are connected by Y-harness which is provided from BOSCH

*4: Full automatic shift is available only with internal geared hub 8/11-speed by MU-UR500 / MU-5705 (Not available with Rear Derailleur and Inter-5E)

*5: No compatibility with "Classic Line" and "Performance Line (45 km/h)"

*6: No compatibility with "Performance Line CX (GEN4)"

version 1.3 - October 15, 2019



Limitation of function

*1: Need to change switch setting by E-TUBE PROJECT

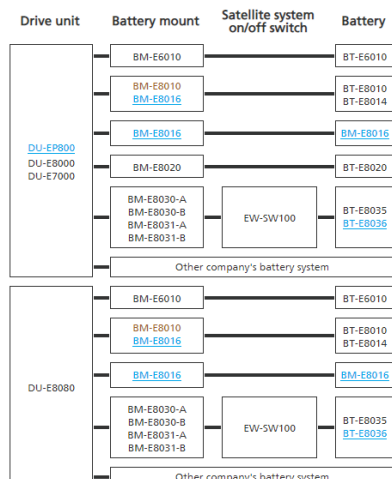
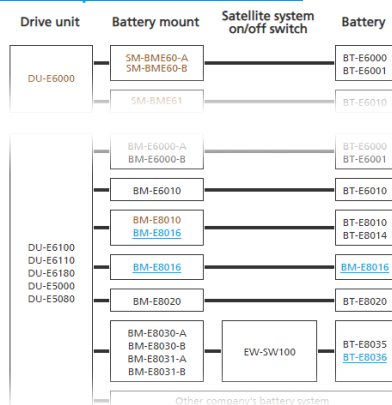
*2: Cannot change manual shift to full automatic shift and its opposite.

*3: Full automatic shift is available only with internal geared hub by MU-UR500 / MU-5705 (Not available with Rear Derailleur and Inter-5E)

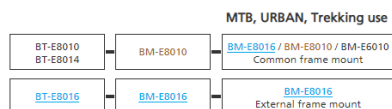
*4: Compatible with 8-speed and 11-speed internal geared hub system only.

C-511 Compatibility / E-BIKE compatibility chart / Battery and battery mount compatibility - Revised (DU-EP800 compatibility), Added (BT-E8035-L/EW-SW300)

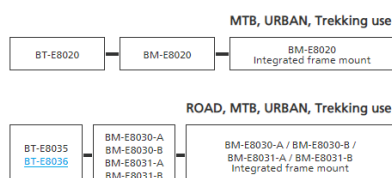
version 1.2 - September 25, 2019



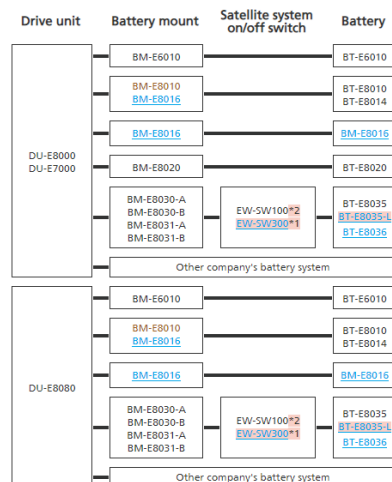
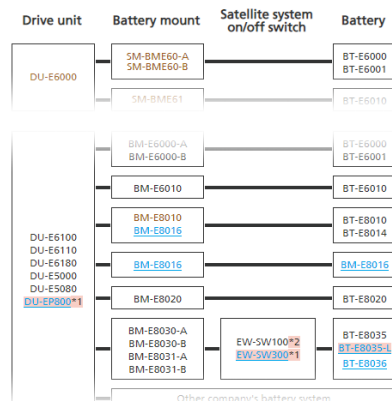
External frame mount type



Integrated frame mount type



version 1.3 - October 15, 2019

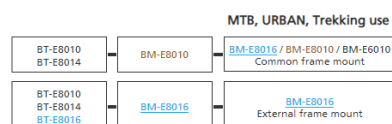


Limitation of function

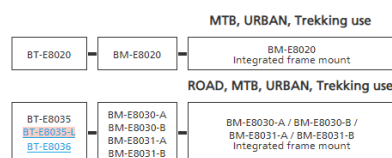
*1: This unit has SD300 port, and needs EW-JC305 for connection to SD50 port unit.

*2: Can't use with SC-E6010

External frame mount type



Integrated frame mount type



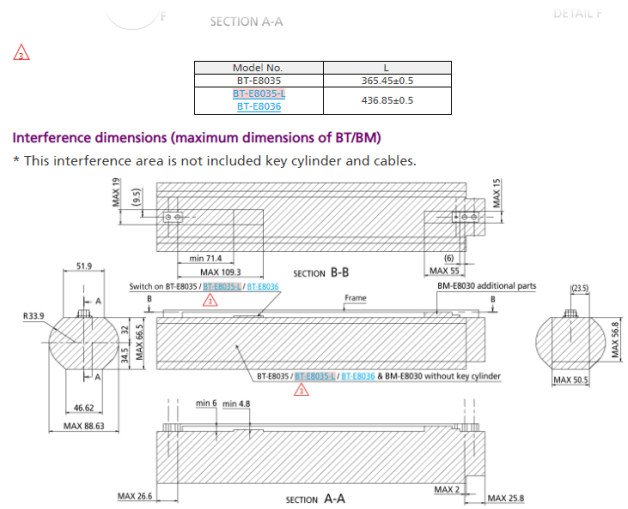
[C-516 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Frame requirement for integrated battery mount](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

3 BT-E8035 / BT-E8035-L / BT-E8036 and BM-E8030 / BM-E8031

* Please don't use BT-E8035 and BM-E803* as a strength member.

Way to attach spring unit to frame



[C-518 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Battery removal direction : Up or down only](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

3 BT-E8035 / BT-E8035-L / BT-E8036 and BM-E8030 / BM-E8031

[C-523 E-BIKE components / Battery and battery mount / Key unit](#) - Revised (BM-E8016), Added (BM-E8010)

version 1.2 - September 25, 2019

Model No.	Lock makers
BM-E6000-A	AXA
BM-E6000-B	ABUS / TRELOCK
BM-E6010	ABUS / AXA / TRELOCK
<u>BM-E6016</u>	TBD
BM-E8020	
BM-E8030	ABUS / AXA / TRELOCK
BM-E8031	-

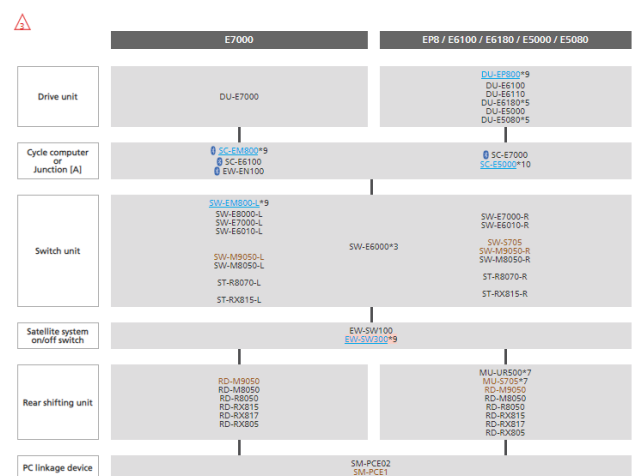
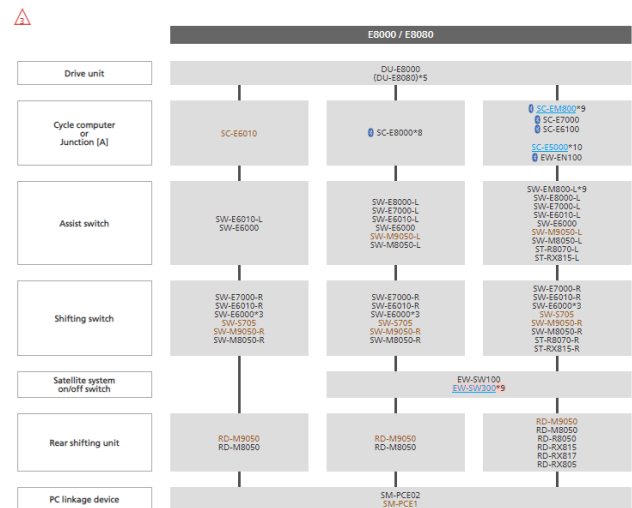
version 1.3 - October 15, 2019



Model No.	Lock makers
BM-E6000-A	AXA
BM-E6000-B	ABUS / TRELOCK
BM-E6010	
BM-E8010	
BM-E8015	ABUS / AXA / TRELOCK
BM-E8020	
BM-E8030	
BM-E8031	-

[C-525 Compatibility / E-BIKE compatibility chart / E-BIKE system \(with E-TUBE PROJECT ver.3.5.0\)](#) -
Added (EW-SW300)

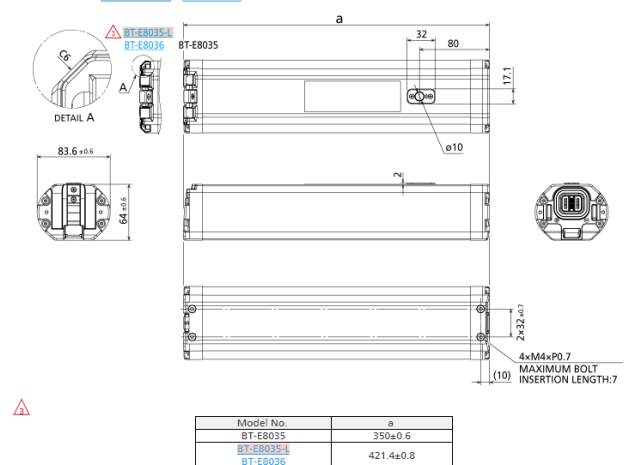
version 1.3 - October 15, 2019



[C-528 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount /](#)
[Battery dimensions](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

△BT-E8035 / BT-E8035-L / BT-E8036



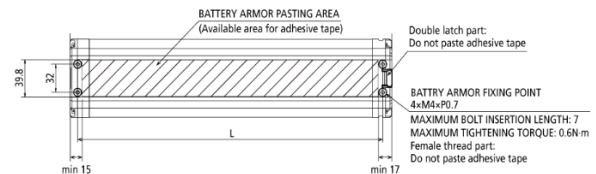
[C-530 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Battery armor](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

⚠ BT-E8035 / [BT-E8035-L](#) / [BT-E8036](#)

Battery armor fixing position and battery armor pasting area

- BT-E8035 / [BT-E8035-L](#) / [BT-E8036](#) does not guarantee the impact applied to the battery directly from outside such as stepping stones.
- We recommend a battery armor with the same strength as the frame.
- It is not allowed to fix battery armor only by adhesive tape.



Model No.	L
BT-E8035	330±1.3
BT-E8035-L BT-E8036	401.4±1.5

[C-531 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Interference dimensions \(during installation\)](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

⚠ [BT-E8035-L](#) / [BT-E8036](#)

[C-532 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Available area for sticker](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

⚠ BT-E8035 / [BT-E8035-L](#) / [BT-E8036](#) and BM-E8030 / BM-E8031

[C-533 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Cable routing](#) - Added (BT-E8035-L)

version 1.3 - October 15, 2019

⚠ BT-E8035 / [BT-E8035-L](#) / [BT-E8036](#) and BM-E8030 / BM-E8031

[C-540 Frame Requirement / Front derailleur / Band type \[MTB\] / Middle clamp type](#) - Revised (FD-M5100-M/4100-M, Dimensions A-D)

version 1.2 - September 25, 2019

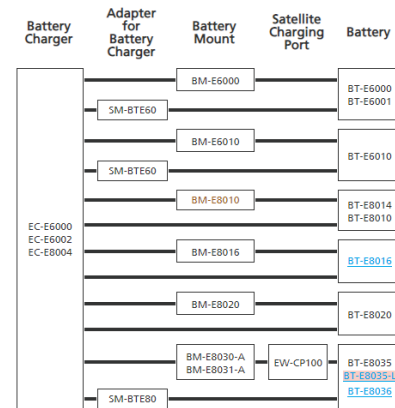
Rear speed	Model No.	B (deg.)	Outer chainring teeth	A (mm)	B (mm)	C (mm)	D (mm)
12	FD-M9100-M	66-69	38T	93	93	116	117
	FD-M8100-M	66-69	36T	89	89	112	113
			38T	93	93	116	117
11	FD-M7100-M	66-69	36T	89	89	112	113
	FD-M5100-M	64-69	38T	93	93	116	117
			36T	TBD	TBD	TBD	TBD
10	FD-M6000-M	66-69	40T	93	93	116	117
	FD-M4100-M	66-69	42T	97	97	120	121
			36T	TBD	TBD	TBD	TBD
9	FD-M4020-M	64-69	36T	79	89	114	120
	FD-M3100-M	64-69	40T	83	93	118	124
	FD-M3120-M	64-69	36T	79	89	114	120
	FD-M3120-M-B	64-69	36T	79	89	114	120

version 1.3 - October 15, 2019

Rear speed	Model No.	B (deg.)	Outer chainring teeth	A (mm)	B (mm)	C (mm)	D (mm)
12	FD-M9100-M	66-69	38T	93	93	116	117
	FD-M8100-M	66-69	36T	89	89	112	113
			38T	93	93	116	117
11	FD-M7100-M	66-69	36T	89	89	112	113
	FD-M5100-M	66-69	38T	93	93	116	117
			36T	89	89	112	113
10	FD-M6000-M	66-69	40T	93	93	116	117
	FD-M4100-M	66-69	42T	97	97	120	121
			36T	89	89	112	113
9	FD-M4020-M	64-69	36T	79	89	114	120
	FD-M3100-M	64-69	40T	83	93	118	124
	FD-M3120-M	64-69	36T	79	89	114	120
	FD-M3120-M-B	64-69	36T	79	89	114	120

[C-562 Compatibility / E-BIKE compatibility chart / Battery and battery charger compatibility](#) - Added (BT-E8035-L)

[version 1.3 - October 15, 2019](#)



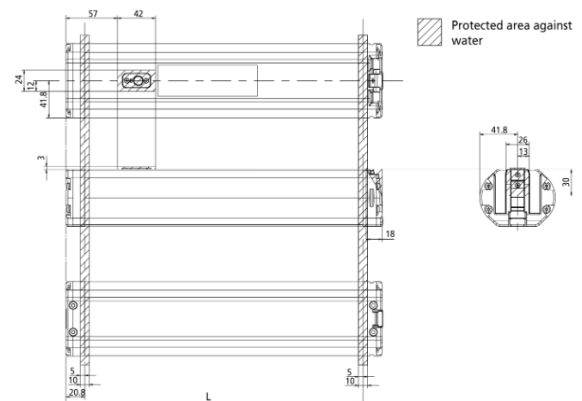
[C-563 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Protected area against water](#) - Added (BT-E8035-L)

[version 1.3 - October 15, 2019](#)

[BT-E8035](#) / [BT-E8035-L](#) / [BT-E8036](#)

This product is equivalent or higher to waterproof grade 5 (IPX5). Frame needs the following design.

- Do not hit water flow directly from outside the frame to specified area of the battery.
- Do not submerge the specified area of the battery.

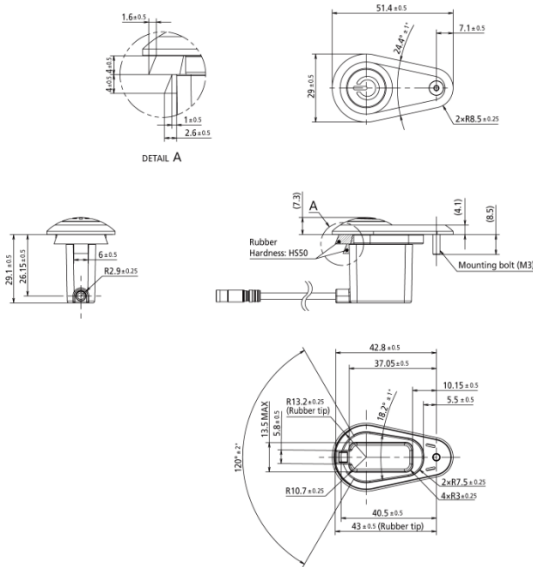


Model No.	L
BT-E8035	328.55
BT-E8035-L	399.95
BT-E8036	

C-572 E-BIKE components / Battery and battery mount / Satellite system on/off switch for E-BIKE / Dimensions - Added (EW-SW300), Revised (Several dimensions)

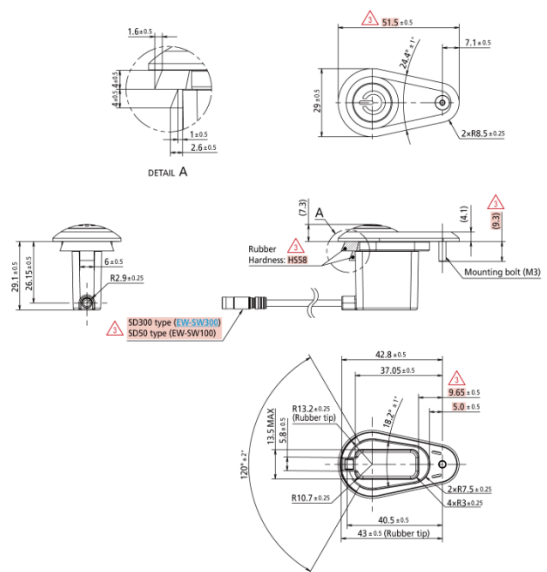
version 1.2 - September 25, 2019

EW-SW100



version 1.3 - October 15, 2019

EW-SW300 / EW-SW100



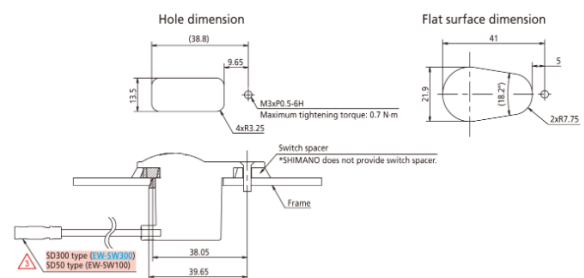
C-573 E-BIKE components / Battery and battery mount / Satellite system on/off switch for E-BIKE / Frame requirements - Added (EW-SW300)

version 1.3 - October 15, 2019

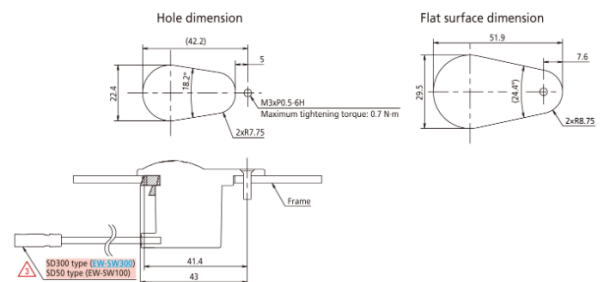
EW-SW300 / EW-SW100

SHIMANO does not provide switch spacer.

Mounting dimension (small)



Mounting dimension (large)

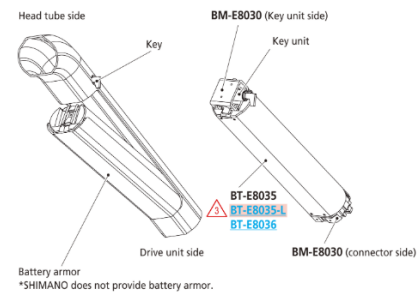


C-600 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Constitution of battery and battery mount - Added (BT-E8035-L)

version 1.3 - October 15, 2019

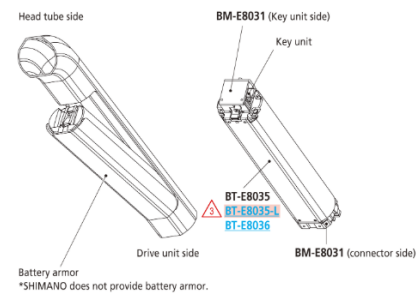
⚠ BT-E8035 / **BT-E8035-L** / BT-E8036 and BM-E8030

Install the battery mount so that the connector side is on the drive unit side.



⚠ BT-E8035 / **BT-E8035-L** / BT-E8036 and BM-E8031

Install the battery mount so that the connector side is on the drive unit side.



C-617 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / External type battery appropriated mounting angle - Revised (BT-E8014)

version 1.2 - September 25, 2019

⚠

Model No.	Type	Mounting angle
BT-E8010	External type battery	50° ≤ θ ≤ 90°
BT-E8014	External type battery	TBD
BT-E8016	External type battery	TBD

version 1.3 - October 15, 2019

⚠⚠

Model No.	Type	Mounting angle
BT-E8010	External type battery	50° ≤ θ ≤ 90°
BT-E8014	External type battery	50° ≤ θ ≤ 90°
BT-E8016	External type battery	TBD

C-624 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Integrated type battery appropriated mounting angle - Added (BT-E8035-L)

version 1.3 - October 15, 2019

⚠⚠

Model No.	Type	Mounting angle
BT-E8035	Integrated type battery	50° ≤ θ ≤ 75°
BT-E8035-L	Integrated type battery	TBD
BT-E8036	Integrated type battery	TBD

September 25, 2019 (Ver 1.2)

[C-149 Product Information / Shifting lever / Brake lever \[MTB, ROAD, Gravel/Adventure, URBAN \(ALFINE\)\] / Hydraulic brake lever on handlebar](#) - Added (BL-T8100)

[version 1.2 - September 25, 2019](#)



Model No.	A (mm)	B (mm)	L (mm)
BL-M820-B	17.0	54.0	≥180
BL-M8000	12.0	56.0	≥185
BL-T8100	12.0	85.1	≥185
BL-T6000	12.0	85.1	≥185
BL-T7000	12.0	85.1	≥185
BL-R5600	12.0	56.0	≥185
BL-MT501	12.0	56.0	≥185
BL-MT500	12.0	56.0	≥185
BL-MT400	14.0	79.3	≥200
BL-MT401	14.0	79.3	≥200
BL-MT402-3A	14.0	85.0	≥200
BL-MT201	14.0	87.6	≥200
BL-MT200	14.0	87.6	≥200
ST-EF505	16.0	73.5	≥200

[C-157 Compatibility / I-SPEC / Compatibility of I-SPEC shifter and brake lever](#) - Added (BL-T8100)

[version 1.2 - September 25, 2019](#)



	Model No.	I-SPEC EV shifter						D12 shifter	
		SL-M9100-I	SL-M8100-I	SL-M7100-I	SL-M6100-I	SL-M5100-I	SL-M4100-I	SW-M9050	SW-M8050
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-R5600	-	-	-	-	-	-	-	-



	Model No.	I-SPEC II shifter				I-SPEC B shifter		
		SL-M9000-I	SL-M8000-I	SL-M7000-11-I SL-M7000-10-I	SL-U5000	SL-M6000-I	SL-M8000-B-I SL-M7000-10-B-I	SL-M820-B-I SL-M820 (with SM-SL62-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-R5600	✓	✓	✓	✓	✓	-	-

Compatibility of seat post lever and brake lever



	Model No.	I-SPEC EV shifter	
		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-T6000	-	-
	BL-R5600	-	-

[C-186 Compatibility / Disc brake / Compatibility between hydraulic disc brake hose](#) - Added (BL-T8100)

version 1.2 - September 24, 2019

		SM-BH90-JK-SSR	SM-BH90-SBM	SM-BH90-SBL5	SM-BH90-SB5	SM-BH90-SB	SM-BH90-S5
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-T8000	BR-M8000	-	✓	-	-	✓	-
BL-M7100	BR-M7100	-	✓	-	-	-	-
BL-M7100	BR-M7110	-	-	-	-	-	✓

		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-T8000	BR-M8000	-	-	-	-	-
BL-M7100	BR-M7100	-	-	-	-	-
BL-M7100	BR-M7110	-	-	-	-	-

[C-197 Product Information / Disc brake / Brake hose dimensions](#) - Added (BL-T8100)

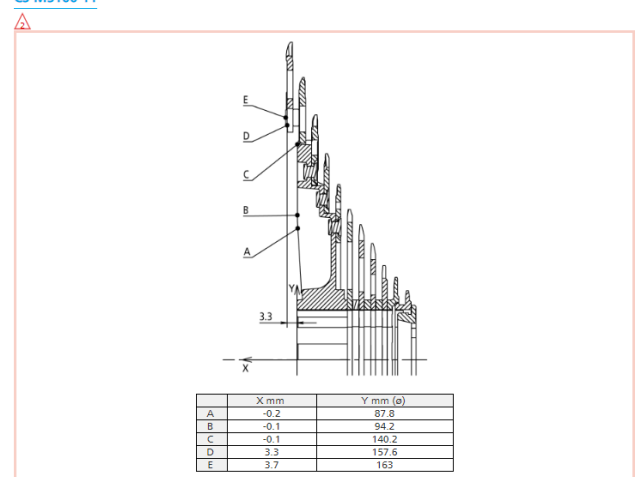
version 1.2 - September 24, 2019

Model No.	Brake Lever	Brake
SM-BH90-SBM SM-BH90-SB SM-BH90-SB5 SM-BH90-SBL5	BL-M9120	BR-M9120 (SM-BH90-SBM)
	BL-M8100	BR-M8100 (SM-BH90-SBM)
	BL-T8100	BR-M8120 (SM-BH90-SBM)
	BL-M8000	BR-M8000 (SM-BH90-SBM)
		BR-M8020 (SM-BH90-SBL5)
	BL-M7100	BR-M7100 (SM-BH90-SBM)
	BL-M820-B	BR-M820 (SM-BH90-SBL5)

[C-252 Product Information / Cassette Sprocket / Cautionary points for installing / 11-speed](#) - Added (CS-M5100-11)

version 1.2 - September 24, 2019

CS-M5100-11



C-273 Product Information / Internal geared hub / ALFINE INTER-11, 8 / NEXUS INTER-8, 7, 5E -

Revised (SG-C70XX-5CD, Several dimensions)

version 1.1 - September 10, 2019

Series		NEXUS		
Function name		INTER-SE		
Model No.		SG-C7000-SR SG-C7000-5V SG-C7000-5C	SG-C7000-5D	SG-C70XX-5CD
Speed		5		
Gear ratio: Total		263%		
Sprocket size		#13 / #14		
A	Over locknut dim. / O.L.D. (mm)	135		
B	Axle length (mm)	187		
C	Flange distance (mm)	58.3		57.3
D	Sprocket hole P.C.D. (mm)	92.6		
E	Flange diameter (mm)	105.2		
F	Flange width (mm): F1 (left)	3.2		
F	Flange width (mm): F2 (right)	3.2		
G	Chain line (mm): G1 (outward assembly)	47.2		TBD
G	Chain line (mm): G2 (inward assembly)	42.2		TBD
H	Offset (mm)	3.2 3.7(-5C spec.)	3.2	4
J	Axle length from hub (left)	26		TBD
K	Axle length from hub (right)	26		TBD
L	Axle size	BC3 / 8 TPI 26		
N	Rear dropout mounting width (left, includes stay etc.)	5-9		TBD
P	Rear dropout mounting width (right, includes stay etc.)	5-9		TBD
Q	Non-turn washer width	6.4		
R	Sprocket hole diameter (mm)	2.9		
S	Sprocket hole chamfer	90°		

version 1.2 - September 24, 2019

Series		NEXUS		
Function name		INTER-SE		
Model No.	SG-C7000-SR SG-C7000-5V SG-C7000-5C	SG-C7000-5D	SG-C70XX-5CD	
Speed	5			
Gear ratio: Total	263%			
Sproke size	#13 / #14			
A Over locknut dim. / O.L.D. (mm)	135			
B Axle length (mm)	187			
C Flange distance (mm)	58.3	57.3	58.3	
D Sproke hole P.C.D. (mm)	92.6			
E Flange diameter (mm)	105.2			
F Flange width (mm): F1 (left)	3.2			
F Flange width (mm): F2 (right)	3.2			
G Chain line (mm): G1 (outward assembly)	47.2	46.6		
G Chain line (mm): G2 (inward assembly)	42.2	41.6		
H Offset (mm)	3.2	3.2	4	
J Axle length from hub (left)	26	26.6		
K Axle length from hub (right)	26	25.4		
L Axle size	BC3 / 8 TPI 26			
N Rear dropout mounting width (left, includes stay etc.)	5-9			
P Rear dropout mounting width (right, includes stay etc.)	5-9			
Q Non-turn washer width	6.4			
R Sproke hole diameter (mm)	2.9			
S Sproke hole chamfer	90°			

C-310 Product Information / SHIMANO Cable System / Shifting cable system / Shifting cable combination - Revised (For M6100/M5100 series)

version 1.1 - September 10, 2019

Category	Series	Outer casing	Inner cable Material	Cable cap									BB cable guide
				AA	A	A'	B	B'	BB	C	D	D'	E
MTB	XTR (M9100 series)	OT-SP41	Polymer-coated inner cable	Sealed*	Sealed Special		Sealed*	Sealed Special		Sealed	SM-SP17 (Durable)		
	SAINT (M820 series)		-										
	DEORE XT (M8100 series)		Sealed Special		Sealed	Sealed*	Sealed	Sealed					
	SLX (M7100 series)		OPTISLICK	Sealed*	Sealed Special	Sealed*	Sealed	Sealed	Sealed	Sealed	Sealed	TBD	
	DEORE (M6100 series)		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	DEORE (M6000 / T6000 series)		OPTISLICK	Sealed*	Sealed Special	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP17 (Durable)	
	DEORE (M5100 series)		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
	DEORE (M5120 series)		OPTISLICK	Sealed*	Sealed Special	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP17 (Durable)	
	DEORE (M4120 series)		OPTISLICK	Sealed*	Sealed Special	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP17 (Durable)	
	ZEE (M640 series)		Stainless	Sealed*	Sealed Special	Sealed	-	Sealed	Sealed	Sealed	Sealed	SM-SP17 (Durable)	
	ALIVIO (M4000 / T4000 series)		OT-SP41	Stainless	Sealed	Sealed	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP18
	ALIVIO (M3100 series)		OPTISLICK (Steel)	Sealed	Sealed	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP18	
	ACERA (M3000 series)		OT-SP41	Steel									
	ALTUS (M2000 series)		OT-SP41	OPTISLICK (Steel)									
	ALTUS others		OT-SP41		Normal	Normal	Normal	-	Normal	Normal	Normal	Normal	SM-SP18
	TOURNEY TX		OT-51540	Steel									
TOURNEY TX													
TOURNEY T7													

version 1.2 - September 24, 2019

Category	Series	Outer casing	Inner cable Material	Cable cap									BB cable guide
				AA	A	A'	B	B'	BB	C	D	D'	
MTB	XTR (M9100 series)	OT-5P41	Polymer-coated inner cable	Sealed*	Sealed Special	Sealed	Sealed*	Sealed	Sealed	Sealed	Sealed	SM-SP17 (Durable)	
	SAINT (M820 series)		Stainless										
	DEORE XT (M8100 series)												
	SLX (M7100 series)												
	DEORE (M6100 series)												
	DEORE (M6000 / T6000 series)												
	DEORE (M5100 series)												
	DEORE (M5120 series)												
	DEORE (M4120 series)												
	ALIVIO (M4000 / T4000 series)												
	OT-5I540	Stainless	Sealed	Sealed									
		OPTISLICK (Steel)	Normal	Normal	Normal	-	Normal	Normal	Normal	SM-SP18			
		ALIVIO (M3100 series)											
		ACERA (M3000 series)											
		ALTUS (M2000 series)											
		ALTUS											
others													
TOURNEY TX													
TOURNEY													

C-314 Product Information / SHIMANO Cable System / Outer casing length / Rear dropout (with derailleur hanger) - Revised (For RD-M81**/M71**/M6100/M51**/M4120/M3100)

version 1.1 - September 10, 2019

Outer Casing Length (mm)	Model No.	Recommended outer casing model	Dimension C				
			100 mm	110 mm	120 mm	130 mm	140 mm
Outer Casing Length (mm)	RD-M8100	OT-SP41	190	200	210	-	-
	RD-M8120	OT-SP41	190	200	210	-	-
	RD-M8100	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M8120	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M7100	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M7120	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M6100	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M5100	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M5120	OT-SP41	TBD	TBD	TBD	TBD	TBD
	RD-M4120	OT-SP41	200	210	220	-	-
	RD-M3100	OT-SP41	180	190	200	-	-
	RD-M820 (FR mode, DH mode)	OT-SP41					
	RD-M8000	OT-SP41					
	RD-T8000	OT-SP41					
	RD-M7000-10	OT-SP41	200	210	220	-	-
	RD-T8000	OT-SP41					
	RD-M7000-10	OT-SP41					
	RD-M6000	OT-SP41					
	RD-T6000	OT-SP41					
	RD-M2000	OT-SP41	290	310	330	-	-
	RD-TY500	OT-SP41	180	190	200	-	-
	Other models (w/o Roller Guide RD)	OT-SP41	280	300	320	-	-
	RD-R8100	OT-R5900					
	RD-R8000-G5	OT-R5900					
	RD-R7000-G5	OT-R5900					
	RD-RX800-G5	OT-R5900					
	RD-RX810	OT-R5900					
	RD-RX812	OT-R5900					
	RD-RX400	OT-SP41					

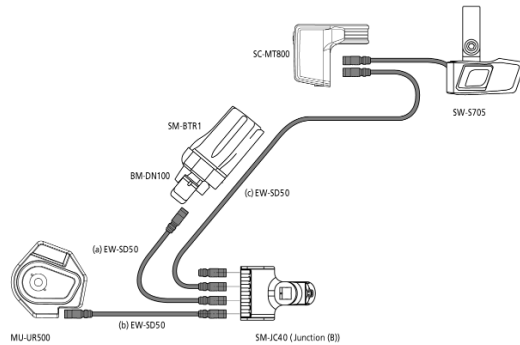
version 1.2 - September 24, 2019

Outer Casing Length (mm)	Model No.	Recommended outer casing model	Dimension C				
			100 mm	110 mm	120 mm	130 mm	140 mm
Outer Casing Length (mm)	RD-M9100	OT-SP41					
	RD-M9120	OT-SP41					
	RD-M8100	OT-SP41	190	200	210	-	-
	RD-M8120	OT-SP41					
	RD-M7100	OT-SP41					
	RD-M7120	OT-SP41					
	RD-M6100	OT-SP41					
	RD-M5100	OT-SP41					
	RD-M5120	OT-SP41					
	RD-M4120	OT-SP41	200	210	220	-	-
	RD-M3100	OT-SP41	180	190	200	-	-
	RD-M820 (FR mode, DH mode)	OT-SP41					
	RD-M8000	OT-SP41					
	RD-T8000	OT-SP41					
	RD-M7000-10	OT-SP41	200	210	220	-	-
	RD-T8000	OT-SP41					
	RD-M7000-10	OT-SP41					
	RD-M6000	OT-SP41					
	RD-T6000	OT-SP41					
	RD-M2000	OT-SP41	290	310	330	-	-
	RD-TY500	OT-SP41	180	190	200	-	-
	Other models (w/o Roller Guide RD)	OT-SP41	280	300	320	-	-
	RD-R9100	OT-R5900					
	RD-R8000-G5	OT-R5900					
	RD-R7000-G5	OT-R5900					
	RD-RX800-G5	OT-R5900					
	RD-RX810	OT-R5900					
	RD-RX812	OT-R5900					
	RD-RX400	OT-SP41					

C-389 Electronic Product Information / URBAN components / Electric wire routing / External wire routing - Revised (Switch unit for flat handlebar)

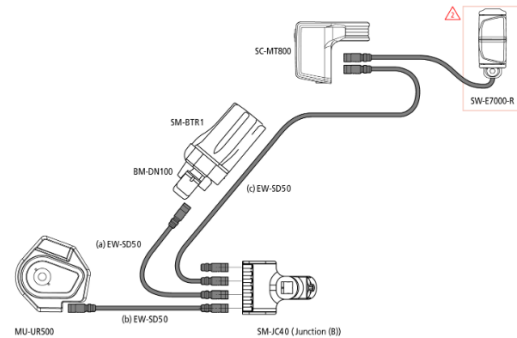
version 1.1 - September 10, 2019

Flat handlebar use



version 1.2 - September 24, 2019

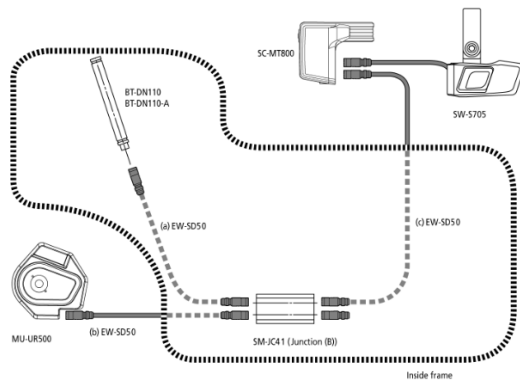
Flat handlebar use



C-390 Electronic Product Information / URBAN components / Electric wire routing / Built-in battery mount type - Revised (Switch unit for flat handlebar)

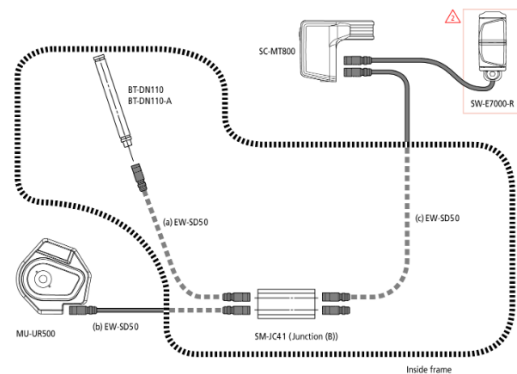
version 1.1 - September 10, 2019

Flat handlebar use



version 1.2 - September 24, 2019

Flat handlebar use



C-421 E-BIKE components / Switch unit / Compatible handlebar diameter and brake lever - Added (BL-T8100)

version 1.2 - September 24, 2019



	V-BRAKE		Disc brake with Reach adjustment barrel
	Model No.	Model No.	
SW-E6000	-	BL-T8100 *	✓
	BL-T611	BL-T6000	-
	BL-T4000	BL-MT402-3A	-
	-	BL-S7000	-

* In case of using these BL, install by referring the <Assembly angle> in [C-422](#).

SW-E6010



	V-BRAKE		Disc brake with Reach adjustment barrel
	Model No.	Model No.	
SW-E6010-L SW-E6010-R	BL-C6010	BL-T8100 *	✓
	BL-T611	BL-T6000	-
	BL-T4010	BL-MT402-3A	-
	-	BL-MT201	-
	-	BL-MT200	-
	-	BL-S7000	-

* In case of using these BL, install by referring the <Assembly angle> in [C-422](#).

September 10, 2019 (Ver 1.1)

[C-069 Frame Requirement / Disc brake / Front disc brake mount dimensions / QR type](#) - Revised (BR-M6100/M6120/MT410, Dimension min E)

[version 1.0 - September 4, 2019](#)

For international standard mount

Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 8.0 Part N: 8.0	45°	45°	0	6.0	90°	95°
	BR-M9120					2.0			
	BR-M9000					0			
	BR-M9020					0			
Cap type	BR-M8100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	0	6.0	90°	95°
	BR-M8120					2.0			
	BR-M8000					0			
	BR-M8020					2.0			
	BR-M7100					2.0			
	BR-M7120					2.0			
	BR-M6100					TBD			
	BR-M6120					TBD			
	BR-M6000					0			
	BR-MT410					TBD			
	BR-M620					2.0			
	BR-M640					2.0			
	BR-M375					1.5			
	BR-MT520					2.0			
	BR-MT420					2.0			
	BR-MT500					1.0			
	BR-MT400					1.0			
	BR-MT200					1.0			
	BR-TX805					1.5			
	BR-R5785					0			
	BR-R317					1.5			
	BR-S7000					0			

For post mount

Anti loosen method	Model No.	Dimension				
		A (mm)	B (mm)	C (mm)	D (mm)	Min. E (mm)
Wiring type	BR-M9100*	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 0.94±0.3 - 1.3	10.5
		160 mm (S): 55.9 ± 0.1	160 mm (S): 74.2 ± 0.1	160 mm (S): 6.8 ± 0.1	160 mm (S): 0.94±0.3 - 1.3	
		180 mm (M): 64.0 ± 0.1	180 mm (M): 74.2 ± 0.1	180 mm (M): 12.4 ± 0.1	180 mm (M): 0.94±0.3 - 1.3	
Cap type	BR-M9120	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 0.94±0.3 - 1.3	11.5
	BR-M9000					10.0
	BR-M9020					10.0
	BR-M8100					10.5
	BR-M8120					11.5
	BR-M8000					10.0
	BR-M8020					11.5
	BR-M7100					10.5
	BR-M7120					11.5
	BR-M6100					TBD
	BR-M6120					TBD
	BR-M6000					11.5
	BR-MT410					TBD
	BR-M620					11.5
	BR-M640					11.5
	BR-MT520					11.5
	BR-MT420					10.0
	BR-R5785					10.0
	BR-R317					10.0
	BR-S7000					11.0

[version 1.1 - September 10, 2019](#)

For international standard mount

Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	0	6.0	90°	95°
	BR-M9120					2.0			
	BR-M8100					0			
	BR-M8120					2.0			
Cap type	BR-M8000	8.0	Part M: 6.5 Part N: 8.0	45°	45°	0	6.0	90°	95°
	BR-M8020					2.0			
	BR-M7100					0			
	BR-M7120					2.0			
	BR-M6100					0			
	BR-M6120					2.0			
	BR-M6000					0			
	BR-M620					2.0			
	BR-M375					1.5			
	BR-MT500					1.0			
	BR-MT520					2.0			
	BR-MT400					1.0			
	BR-MT410					1.0			
	BR-MT420					2.0			
	BR-MT200					1.0			
	BR-TX805					1.5			
	BR-R5785					0			
	BR-R317					1.5			
	BR-S7000					0			

For post mount

Anti loosen method	Model No.	Dimension				
		A (mm)	B (mm)	C (mm)	D (mm)	Min. E (mm)
Wiring type	BR-M9100*	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 0.94±0.3 - 1.3	10.5
		160 mm (S): 55.9 ± 0.1	160 mm (S): 74.2 ± 0.1	160 mm (S): 6.8 ± 0.1	160 mm (S): 0.94±0.3 - 1.3	
		180 mm (M): 64.0 ± 0.1	180 mm (M): 74.2 ± 0.1	180 mm (M): 12.4 ± 0.1	180 mm (M): 0.94±0.3 - 1.3	
Cap type	BR-M9120	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 0.94±0.3 - 1.3	11.5
	BR-M8100					10.5
	BR-M8120					11.5
	BR-M8000					10.0
	BR-M8020					11.5
	BR-M7100					10.5
	BR-M7120					11.5
	BR-M6100					10.0
	BR-M6120					11.5
	BR-M6000					10.0
	BR-M620					11.5
	BR-MT520					11.5
	BR-MT420					10.0
	BR-R5785					10.0
	BR-S7000					10.0
	BR-M375*	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 0.94±0.3 - 1.3	11.0
	BR-MT100*					11.0

C-074 Frame Requirement / Disc brake / Rear disc brake mount dimensions / For international standard mount - Revised (BR-MT410, Dimension min E)

version 1.0 - September 4, 2019

Seat stay type



Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-5.0	6.0	90°	95°
	BR-M9120					-3.0			
	BR-M9000					-5.0			
	BR-M8100					-5.5			
	BR-M8120					-3.0			
Cap type	BR-M8000	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-5.0	6.0	90°	95°
	BR-M8020					-5.5			
	BR-M7100					-3.0			
	BR-M7120					-3.0			
	BR-M6100					-6.5			
	BR-M6120					-3.0			
	BR-M6000					-6.5			
	BR-M6020					-3.0			
	BR-M640					-3.0			
	BR-M375					-3.5			
	BR-MT500					-4.0			
	BR-MT520					-3.0			
	BR-MT400					-4.0			
	BR-MT410					TBD			
	BR-MT420					-3.0			
	BR-MT200					-4.0			
	BR-TX805					-3.5			
	BR-R5785					-5.0			
	BR-R317					-3.5			
	BR-S7000					-6.5			

Chainstay type



Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-1.0	6.0	90°	95°
	BR-M9120					-3.0			
	BR-M9000					-5.0			
	BR-M9020					-6.5			
	BR-M8100					-5.5			
Cap type	BR-M8120	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-3.0	6.0	90°	95°
	BR-M8000					-5.0			
	BR-M8020					-3.0			
	BR-M7100					-5.5			
	BR-M7120					-3.0			
	BR-M6100					-6.5			
	BR-M6120					-3.0			
	BR-M6000					-6.5			
	BR-M6020					-3.0			
	BR-M640					-3.0			
	BR-M375					-3.5			
	BR-MT500					-4.0			
	BR-MT520					-3.0			
	BR-MT400					-4.0			
	BR-MT410					TBD			
	BR-MT420					-3.0			
	BR-MT200					-4.0			
	BR-TX805					-3.5			
	BR-R5785					-5.0			
	BR-R317					-3.5			
	BR-S7000					-6.5			

version 1.1 - September 10, 2019

Seat stay type



Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-5.0	6.0	90°	95°
	BR-M9120					-3.0			
	BR-M8100					-5.5			
	BR-M8120					-3.0			
	BR-M8000					-5.0			
Cap type	BR-M8020	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-3.0	6.0	90°	95°
	BR-M7100					-5.5			
	BR-M7120					-3.0			
	BR-M6100					-6.5			
	BR-M6120					-3.0			
	BR-M6000					-6.5			
	BR-M6020					-3.0			
	BR-M820					-3.0			
	BR-M375					-3.5			
	BR-MT500					-4.0			
	BR-MT520					-3.0			
	BR-MT400					-4.0			
	BR-MT410					-4.0			
	BR-MT420					-3.0			
	BR-MT200					-4.0			
	BR-TX805					-3.5			
	BR-R5785					-5.0			
	BR-R317					-3.5			
	BR-S7000					-6.5			

Chainstay type

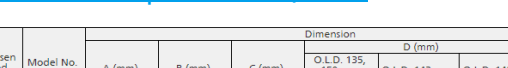
Anti loosen method	Model No.	Dimension							
		Min. A (mm)	Max. B (mm)	Max. C	Max. D	Min. E (mm)	Min. F (mm)	Min. G	Min. H
Wiring type	BR-M9100	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-1.0	6.0	90°	95°
	BR-M9120					-3.0			
	BR-M8100					-5.5			
	BR-M8120					-3.0			
	BR-M8000					-5.0			
Cap type	BR-M8020	8.0	Part M: 6.5 Part N: 8.0	45°	45°	-3.0	6.0	90°	95°
	BR-M7100					-5.5			
	BR-M7120					-3.0			
	BR-M6100					-6.5			
	BR-M6120					-3.0			
	BR-M6000					-6.5			
	BR-M6020					-3.0			
	BR-M375					-3.5			
	BR-MT500					-4.0			
	BR-MT520					-3.0			
	BR-MT400					-4.0			
	BR-MT410					-4.0			
	BR-MT420					-3.0			
	BR-MT200					-4.0			
	BR-TX805					-3.5			
	BR-R5785					-5.0			
	BR-R317					-3.5			
	BR-S7000					-6.5			

C-075 Frame Requirement / Disc brake / Rear disc brake mount dimensions / For post mount - Revised (BR-MT410, Dimension min E)

version 1.0 - September 4, 2019

Anti loosen method	Model No.	Dimension						
		A (mm)	B (mm)	C (mm)	O.L.D. 135, 150 mm straight and BMX type	O.L.D. 142 mm E-THRU type	O.L.D. 148 mm E-THRU type	Min. E (mm)
Wiring type	BR-M9100*	140 mm (S): 47.5 ± 0.1 160 mm (S): 55.9 ± 0.1 180 mm (M): 64.0 ± 0.1	140 mm (S): 74.2 ± 0.1 160 mm (S): 74.2 ± 0.1 180 mm (M): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1 160 mm (S): 6.8 ± 0.1 180 mm (M): 12.4 ± 0.1	140 mm (S): 5.7 ± 0.3 - 1.3 160 mm (S): 5.7 ± 0.3 - 1.3 180 mm (M): 5.7 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3 160 mm (S): 9.2 ± 0.3 - 1.3 180 mm (M): 9.2 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3 160 mm (S): 9.2 ± 0.3 - 1.3 180 mm (M): 9.2 ± 0.3 - 1.3	10.5
	BR-M9120							
	BR-M9000							
	BR-M9020							
	BR-M8100							
	BR-M8120							
	BR-M8000							
	BR-M8020							
	BR-M7100							
	BR-M7120							
Cap type	BR-M6100	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 5.7 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	11.5
	BR-M6120							
	BR-M6000	160 mm (S): 55.9 ± 0.1	160 mm (S): 74.2 ± 0.1	160 mm (S): 6.8 ± 0.1	160 mm (S): 5.7 ± 0.3 - 1.3	160 mm (S): 9.2 ± 0.3 - 1.3	160 mm (S): 9.2 ± 0.3 - 1.3	11.5
	BR-M820							
	BR-M640	180 mm (M): 64.0 ± 0.1	180 mm (M): 74.2 ± 0.1	180 mm (M): 12.4 ± 0.1	180 mm (M): 5.7 ± 0.3 - 1.3	180 mm (M): 9.2 ± 0.3 - 1.3	180 mm (M): 9.2 ± 0.3 - 1.3	11.5
	BR-MT500							
	BR-MT520	203 mm (L): 73.9 ± 0.1	203 mm (L): 74.2 ± 0.1	203 mm (L): 18.8 ± 0.1	203 mm (L): 5.7 ± 0.3 - 1.3	203 mm (L): 9.2 ± 0.3 - 1.3	203 mm (L): 9.2 ± 0.3 - 1.3	11.5
	BR-MT400							
	BR-MT410							
	BR-MT420							
	BR-MT200							
	BR-TX805							
	BR-R5785							
	BR-R317							
	BR-S7000							

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Anti loosen method	Model No.	Dimension						Min. E (mm)
		A (mm)	B (mm)	C (mm)	O.L.D. 135, 150 mm straight and BMX type	O.L.D. 142 mm E-THRU type	O.L.D. 148 mm E-THRU type	
Wiring type	BR-M9100*	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 5.7 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	10.5
	BR-M9120	160 mm (S): 55.9 ± 0.1	160 mm (S): 74.2 ± 0.1	160 mm (S): 6.8 ± 0.1	160 mm (S): 5.7 ± 0.3 - 1.3	160 mm (S): 9.2 ± 0.3 - 1.3	160 mm (S): 9.2 ± 0.3 - 1.3	
	BR-M9000	180 mm (M): 64.0 ± 0.1	180 mm (M): 74.2 ± 0.1	180 mm (M): 12.4 ± 0.1	180 mm (M): 5.7 ± 0.3 - 1.3	180 mm (M): 9.2 ± 0.3 - 1.3	180 mm (M): 9.2 ± 0.3 - 1.3	
	BR-M8100							
	BR-M8120							
Cap type	BR-M8000	140 mm (S): 47.5 ± 0.1	140 mm (S): 74.2 ± 0.1	140 mm (S): 1.7 ± 0.1	140 mm (S): 5.7 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	140 mm (S): 9.2 ± 0.3 - 1.3	11.5
	BR-M8020							10.0
	BR-M7100							11.0
	BR-M7120							10.0
	BR-M6100							11.5
	BR-M6120							10.0
	BR-M6000							11.5
	BR-M6020							10.0
	BR-M820							11.5
	BR-M375							11.5
	BR-MT500							11.5
	BR-MT520							11.5
	BR-MT400							11.5
	BR-MT410							TBD
	BR-MT420							11.5
	BR-MT200							11.0
	BR-TX805							11.0
	BR-R5785							11.0
	BR-R317							11.0
	BR-S7000							9

C-117 Frame Requirement / Crankset / Dimensions [MTB,Trekking] / Y dimensions - Revised (FC-MT510-1/M5100-1, Several dimensions)

version 1.0 - September 4, 2019

Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
12	FC-M9100-2	38-28T	-	79.3	59.4	35.5	50.5	193.3	193.3	-
		FC-M8100-2	36-26T	-	75.3	55.4	31.6	46.5	196.9	196.9
		FC-M7100-2	36-26T	-	75.3	55.4	31.6	47.8	196.9	196.9
		FC-MT610-2	36-26T	-	75.3	55.4	31.6	47.8	192.8	192.8
	FC-M8100-1	32T	-	77.6	-	44.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
	FC-M7100-1	28T	-	61.4	-	36.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
11	FC-M6100-1	28T	-	61.4	-	36.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
	FC-M7100-1	28T	-	61.4	-	36.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
	FC-MT510-1	32T	-	69.5	-	24.5	-	191.9	191.9	-
		34T	-	73.5	-	24.5	-	192.7	192.7	-
		32T	-	69.5	-	24.5	-	192.7	192.7	-
		30T	-	65.4	-	24.5	-	192.7	192.7	-
10	FC-M9020-3	40-30-22T	83.6	63.6	48.1	24.5	40.5	197.8	197.8	-
		FC-M8000-3	40-30-22T	83.6	63.6	48.1	24.5	38.5	196.9	196.9
		38-28T	-	79.3	59.4	24.5	44.9	-	-	-
		36-26T	-	75.3	55.4	24.5	44.9	192.7	192.7	-
	FC-M9000-2	34-24T	-	71.2	51.3	24.5	44.9	-	-	-
		38-28T	-	79.3	59.4	24.5	44.9	-	-	-
		36-26T	-	75.3	55.4	24.5	44.9	197.8	197.8	-
		34-24T	-	71.2	51.3	24.5	44.9	-	-	-
	FC-M9020-2	38-28T	-	79.3	59.4	24.5	38.5	-	-	-
		36-26T	-	75.3	55.4	24.5	38.5	196.9	196.9	-
		34-24T	-	71.2	51.3	24.5	38.5	-	-	-
		36-26T	-	75.3	55.4	24.5	38.5	191.8	191.8	-
9	FC-M8000-2	38-28T	-	79.3	59.4	24.5	38.5	-	-	-
		36-26T	-	75.3	55.4	24.5	38.5	196.9	196.9	-
		34-24T	-	71.2	51.3	24.5	38.5	-	-	-
		36-26T	-	75.3	55.4	24.5	38.5	191.8	191.8	-
	FC-M7000-11-2	38-28T	-	79.3	59.4	24.5	38.5	191.8	191.8	-
		36-26T	-	75.3	55.4	24.5	38.5	191.8	191.8	-
		34-24T	-	71.2	51.3	24.5	38.5	191.8	191.8	-
		36-26T	-	75.3	55.4	24.5	38.5	193.1	192.7	-
	FC-MT600	36-26T	-	75.3	55.4	24.5	38.5	192.7	192.7	-
		36T	-	76.6	-	-	-	-	-	-
		34T	-	72.5	-	-	-	192.7	192.7	24.7
		32T	-	68.5	-	-	-	-	-	-
8	FC-M9000-1	30T	-	64.4	-	-	-	-	-	-
		36T	-	76.6	-	-	-	-	-	-
		34T	-	72.5	-	-	-	197.8	197.8	24.7
		32T	-	68.5	-	-	-	-	-	-
	FC-M9020-1	30T	-	64.4	-	-	-	-	-	-
		36T	-	76.6	-	-	-	-	-	-
		34T	-	72.5	-	-	-	197.8	197.8	24.7
		32T	-	68.5	-	-	-	-	-	-
	FC-M8000-1	30T	-	64.4	-	-	-	-	-	-
		36T	-	76.6	-	-	-	-	-	-
		34T	-	72.5	-	-	-	196.9	196.9	24.8
		32T	-	68.5	-	-	-	-	-	-
7	FC-M7000-11-1	30T	-	64.4	-	-	-	191.8	191.8	24.8
		36T	-	76.6	-	-	-	191.8	191.8	24.8
		34T	-	72.5	-	-	-	191.8	191.8	24.8
		32T	-	68.5	-	-	-	191.8	191.8	24.8
	FC-M5100-1	32T	-	68.5	-	40.2	-	192.7	192.7	24.8
		30T	-	64.5	-	40.2	-	192.7	192.7	24.8
		32T	-	68.5	-	40.2	-	192.7	192.7	24.8
		30T	-	64.5	-	40.2	-	192.7	192.7	24.8
	FC-M6000-3	40-30-22T	83.6	63.6	48.3	24.5	38.2	191.6	191.6	-
		FC-MT500-3	40-30-22T	83.6	63.6	48.3	24.5	38.2	-	-
		FC-T8000	48-36-26T	99.8	75.2	56.2	24.0	47.5	191.9	191.9
		FC-T6000	48-36-26T	99.8	75.2	56.2	24.0	47.5	191.6	191.6
6	FC-T6010	48-36-26T	99.8	75.2	56.2	24.0	38.2	192.3	192.3	-
		44-32-24T	91.7	67.7	52.3	25.0	38.2	192.3	192.3	-
		FC-T521	48-36-26T	99.8	75.2	56.2	19.9	38.2	191.6	191.6
		44-32-24T	91.7	67.7	52.3	25.0	38.2	191.6	191.6	-
	FC-T551	38-28T	-	79.3	59.4	25.0	38.2	-	-	-
		36-26T	-	75.3	55.4	25.0	38.2	192.6	192.6	-
		34-24T	-	71.2	51.3	25.0	38.2	-	-	-
		36-26T	-	75.3	55.4	25.0	38.2	193.1	192.7	-
	FC-M6000-2	38-28T	-	79.3	59.4	25.0	38.2	-	-	-
		36-26T	-	75.3	55.4	25.0	38.2	192.6	192.6	-
		34-24T	-	71.2	51.3	25.0	38.2	-	-	-
		36-26T	-	75.3	55.4	25.0	38.2	193.1	192.7	-
5	FC-M617	38-24T	-	79.6	51.3	25.0	38.2	-	-	-
		36-22T	-	75.3	48.3	25.0	38.2	192.6	192.6	-
		36-26T	-	75.3	55.4	25.0	38.2	-	-	-
		32T	-	68.5	-	40.2	-	193.1	192.7	24.8
	FC-MT500-2	36-26T	-	75.3	55.4	25.0	38.2	193.1	192.7	24.8
		30T	-	64.5	-	40.2	-	193.1	192.7	24.8
		38T	-	80.4	-	-	-	-	-	-
		36T	-	76.4	-	-	-	-	-	-
	FC-M820	34T	-	72.4	-	-	-	192.6	192.6	-
		36T	-	76.4	-	-	-	-	-	-
		38T	-	80.4	-	-	-	-	-	-
		36T	-	76.4	-	-	-	-	-	-

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Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
12	FC-M9100-2	38-28T	-	79.3	59.4	35.5	50.5	193.3	193.3	-
	FC-M8100-2	36-26T	-	75.3	55.4	31.6	46.5	196.9	196.9	-
	FC-M7100-2	36-26T	-	75.3	55.4	31.6	47.8	196.9	196.9	-
	FC-MT610-2	36-26T	-	75.3	55.4	31.6	47.8	192.8	192.8	-
	FC-M8100-1	32T	-	77.6	-	44.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		30T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
	FC-M7100-1	28T	-	61.4	-	36.4	-	196.9	196.9	-
		34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
FC-M6100-1	28T	-	61.4	-	36.4	-	196.9	196.9	-	
	32T	-	69.5	-	44.4	-	192.7	192.7	-	
11	FC-MT510-1	30T	-	65.4	-	35.8	-	192.7	192.7	-
		34T	-	73.5	-	39.9	49.9	192.8	192.8	-
	32T	-	69.5	-	40.0	49.9	192.8	192.8	-	
	30T	-	65.4	-	40.0	49.9	192.8	192.8	-	
	FC-M7000-11-2	38-28T	-	79.3	59.4	25	38.5	191.8	191.8	-
		36-26T	-	75.3	55.4	25	38.5	191.8	191.8	-
		34-24T	-	71.2	51.3	25	38.5	191.8	191.8	-
		36-26T	-	75.3	55.4	25	38.5	193.1	192.7	-
	FC-MT600	36-26T	-	75.3	55.4	24.5	38.5	192.7	192.7	-
	FC-M7000-11-1	34T	-	72.5	-	-	-	191.8	191.8	24.8
		32T	-	68.5	-	-	-	191.8	191.8	24.8
		30T	-	64.4	-	-	-	191.8	191.8	24.8
32T		-	68.5	-	40.2	54.5	193.1	192.7	24.8	
FC-M5100-1	30T	-	64.5	-	40.2	54.5	193.1	192.7	24.8	
10	FC-MT500-3	40-30-22T	83.6	63.6	48.3	24.5	38.2	-	-	-
	FC-T8000	48-36-26T	99.8	75.2	56.2	24.0	47.5	191.9	191.9	-
	FC-T6000	48-36-26T	99.8	75.2	56.2	24.0	47.5	191.6	191.6	-
	FC-T6010	48-36-26T	99.8	75.2	56.2	24.0	38.2	-	-	-
		44-32-24T	91.7	67.7	52.3	25.0	38.2	192.3	192.3	-
	FC-T521	48-36-26T	99.8	75.2	56.3	19.9	38.2	-	-	-
		44-32-24T	91.8	67.7	52.4	19.9	38.2	191.6	191.6	-
	FC-T551	48-36-26T	99.8	75.2	56.2	24.0	38.2	-	-	-
		44-32-24T	91.7	67.7	52.3	25.0	38.2	192.6	192.6	-
	FC-M6000-2	38-26T	-	75.3	55.4	25.0	38.2	-	-	-
		34-24T	-	71.2	51.3	25.0	38.2	-	-	-
		FC-M4100-2	36-26T	-	75.3	55.4	25.0	38.5	193.1	192.7
FC-M617		38-24T	-	79.6	51.3	25.0	38.2	-	-	-
	36-23T	-	75.3	48.3	25.0	38.2	192.6	192.6	-	
FC-MT500-2	36-26T	-	75.3	55.4	25.0	38.2	-	-	-	
	32T	-	68.5	-	40.2	-	193.1	192.7	24.8	
	30T	-	64.5	-	40.2	-	193.1	192.7	24.8	
	36T	-	80.4	-	-	-	-	-	-	
FC-M820	38T	-	76.4	-	-	-	-	-	-	

C-118 Frame Requirement / Crankset / Dimensions [MTB,Trekking] / X dimensions - Revised (FC-MT610-2/M6100-1/MT510-1/M5100-1, Several dimensions)

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Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)
12	FC-M9100-2	38-28T	48.8	-	50.3	42.9	42.8	41.0	65	63.8	-
		FC-M8100-2	36-26T	48.8	-	50.3	42.9	41.3	70.2	69	-
		FC-M7100-2	36-26T	48.8	-	50.3	42.9	41.3	70.2	69	-
	FC-M8100-1	30T	52	-	48.9	-	45.4	-	68	66.8	-
		36T	52	-	48.9	-	45.4	-	70.2	69	-
		34T	52	-	48.9	-	45.4	-	70.2	69	-
	FC-M7100-1	32T	52	-	48.9	-	45.4	-	70.2	69	-
		30T	52	-	48.9	-	45.4	-	70.2	69	-
		28T	52	-	48.9	-	45.4	-	70.2	69	-
	FC-M5100-1	34T	52	-	48.9	-	45.4	-	70.2	69	-
		32T	52	-	48.9	-	45.4	-	70.2	69	-
		30T	52	-	48.9	-	45.4	-	70.2	69	-
10	FC-M7900-1	34T	52	-	48.9	-	44.8	-	72.7	72.8	-
		32T	52	-	48.9	-	44.8	-	72.7	72.8	-
		30T	52	-	48.9	-	44.8	-	72.7	72.8	-
	FC-MT610	32T	52	-	48.9	-	44.8	-	72.7	72.8	-
		30T	52	-	48.9	-	44.8	-	72.7	72.8	-
		34T	52	-	48.9	-	44.8	-	72.7	72.8	-
	FC-MT510-1	32T	52	-	48.9	-	44.8	-	72.7	72.8	-
		30T	52	-	48.9	-	44.8	-	72.7	72.8	-
		34T	52	-	48.9	-	44.8	-	72.7	72.8	-
	FC-M9020-3	40-30-22T	50.0	56.7	49.2	41.5	42.5	41.5	68.5	68.5	-
		40-30-22T	50.0	56.7	49.2	41.5	40.8	39.6	72.2	72.2	-
		38-28T	48.8	-	50.2	42.8	42.5	43.6	-	-	-

Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	
10	FC-M9000-3	40-30-22T	50.0	55.7	48.2	40.6	40.6	38.6	72.2	72.2	
	FC-MT500-3	40-30-22T	50.0	55.7	48.3	40.7	40.7	38.3	72.2	72.2	
	FC-T8000	48-36-26T	50.0	55.7	48.2	40.4	39.4	38.0	72.2	72.2	
	FC-T6000	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.4	71.4	
	FC-T6010	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.4	71.4	
		44-32-24T	50.0	55.7	48.2	40.6	40.4	38.4	78.4	71.4	
	FC-T521	48-36-26T	50.0	55.5	47.9	40.0	38.3	37.8	80.0	75.0	
		44-32-24T	50.0	55.5	47.9	40.3	38.3	38.3	80.0	75.0	
	FC-T551	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.1	72.0	
		44-32-24T	50.0	55.7	48.2	40.6	40.4	38.4	78.1	72.0	
	FC-M6000-2		38-28T	48.8	-	53.2	45.8	45.8	44.0	74.5	74.5
			36-26T	48.8	-	53.2	45.8	45.8	44.0	74.5	74.5
		FC-M4100-2	36-26T	48.8	-	50.2	42.8	42.8	40.8	71.5	72.0
			38-24T	48.8	-	50.3	42.9	42.9	41.1	73.0	72.4
			36-22T	48.8	-	50.3	42.9	42.9	41.1	73.0	72.4
			36-26T	48.8	-	50.2	42.8	42.8	41.0	72.7	72.8
	FC-MT500-2	32T	52	-	48.8	-	48.8	48.2	71.5	72.0	
	FC-M5100-1	30T	52	-	48.8	-	48.8	48.2	71.5	72.0	
			38T								
	FC-M820	36T	50.4	-	47.8	-	-	-	-	71.0	71.0

version 1.1 - September 10, 2019

Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)
12	FC-M9100-2	38-28T	48.8	-	50.3	42.9	42.8	41.0	65	63.8	-
	FC-M8100-2	36-26T	48.8	-	50.3	42.9	42.2	41.3	70.2	69	-
	FC-M7100-2	36-26T	48.8	-	50.3	42.9	42.2	41.3	70.2	69	-
	FC-M6100-2	36-26T	48.8	-	50.3	42.9	42.9	41.2	73.4	68.4	-
	FC-M8100-1	32T	52	-	48.9	-	45.5	-	68	66.8	-
	30T	52	-	48.9	-	45.5	-	68	66.8	-	
	36T	52	-	48.9	-	45.4	-	70.2	69	-	
	34T	52	-	48.9	-	45.4	-	70.2	69	-	
	FC-M7100-1	32T	52	-	48.9	-	45.4	-	70.2	69	-
	30T	52	-	48.9	-	45.4	-	70.2	69	-	
	28T	52	-	48.9	-	45.4	-	70.2	69	-	
	34T	52	-	48.9	-	45.4	-	70.2	69	-	
11	FC-M7100-1	32T	52	-	48.9	-	45.4	-	70.2	69	-
	30T	52	-	48.9	-	45.4	-	70.2	69	-	
	FC-M6100-1	32T	52	-	48.9	-	48.3	-	70.3	70.3	-
	30T	52	-	48.9	-	48.3	-	70.3	70.4	-	
	FC-MT510-1	34T	52	-	49.3	-	47.5	47.9	72.7	72.8	-
	32T	52	-	49.1	-	49.0	48.2	72.7	72.8	-	
	FC-M7000-11-2	30T	52	-	49.1	-	49.0	48.2	72.7	72.8	-
	38-28T	48.8	-	50.2	42.8	42.8	40.8	72.2	72.2	-	
	36-26T	48.8	-	50.2	42.8	42.8	40.8	72.2	72.2	-	
	34-24T	48.8	-	50.2	42.8	42.8	40.8	72.2	72.2	-	
	FC-M5100-2	36-26T	48.8	-	50.2	42.8	42.8	40.8	71.5	72	-
	FC-MT600	36-26T	48.8	-	50.2	42.8	42.8	40.8	72.7	72.8	-
10	FC-M7000-11-1	34T	50.4	-	47.8	-	-	-	72.2	72.2	45.3
	32T	50.4	-	47.8	-	-	-	-	72.2	72.2	45.3
	30T	50.4	-	47.8	-	-	-	-	72.2	72.2	45.3
	FC-M5100-1	32T	52	-	48.8	-	48.8	48.2	71.5	72.0	48.2
	30T	52	-	48.8	-	48.8	48.2	71.5	72.0	48.2	
	FC-MT500-3	40-30-22T	50.0	55.7	48.3	40.7	38.3	72.2	72.2	-	
	FC-T8000	48-36-26T	50.0	55.7	48.2	40.4	39.4	38.0	72.2	72.2	-
	FC-T6000	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.4	71.4	-
	FC-T6010	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.4	71.4	-
	44-32-24T	50.0	55.7	48.2	40.6	40.4	38.4	78.4	71.4	-	
	FC-T521	48-36-26T	50.0	55.5	47.9	40.0	38.3	37.8	80.0	75.0	-
	44-32-24T	50.0	55.5	47.9	40.3	38.3	38.3	80.0	75.0	-	
FC-T551	48-36-26T	50.0	55.7	48.2	40.3	40.3	38.3	78.1	72.0	-	
9	FC-M6000-2	44-32-24T	50.0	55.7	48.2	40.6	40.4	38.4	78.1	72.0	-
	38-28T	48.8	-	53.2	45.8	45.8	44.0	74.5	74.5	-	
	36-26T	48.8	-	53.2	45.8	45.8	44.0	74.5	74.5	-	
	36-24T	48.8	-	53.2	45.8	45.8	44.0	74.5	74.5	-	
	FC-M4100-2	36-26T	48.8	-	50.2	42.8	42.8	40.8	71.5	72.0	-
	38-24T	48.8	-	50.3	42.9	42.9	41.1	73.0	72.4	-	
	FC-M617	36-22T	48.8	-	50.3	42.9	42.9	41.1	73.0	72.4	-
	FC-MT500-2	36-26T	48.8	-	50.2	42.8	42.8	41.0	72.7	72.8	-
	32T	52	-	48.8	-	48.8	48.2	71.5	72.0	48.2	
	30T	52	-	48.8	-	48.8	48.2	71.5	72.0	48.2	
	38T										
	FC-M820	36T	50.4	-	47.8	-	-	-	71.0	71.0	-

C-119 Frame Requirement / Crankset / Dimensions [MTB,Trekking] / Chainline 3 mm outboard spec. Y dimensions - Revised (FC-M5100-B2/M4100-B2, Several dimensions)

version 1.0 - September 4, 2019

Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
	FC-M9120-B2	38-28T	-	79.3	59.4	35.5	50.5	193.3	193.3	-
	FC-M8120-B2	36-26T	-	75.3	55.4	31.6	46.5	196.9	196.9	-
	FC-M7120-B2	36-26T	-	75.3	55.4	31.6	46.5	196.9	196.9	-
	FC-M5100-B2	36-26T	-	75.3	55.4	31.6	47.8	192.8	192.8	-
11	FC-M5100-1*	34T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		32T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		30T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M9020-B2	36-26T	-	75.3	55.4	24.5	44.9	197.8	197.8	-
		34-24T	-	71.2	51.3	24.5	44.9	196.9	196.9	-
	FC-M8000-B2	36-26T	-	75.3	55.4	24.5	38.5	196.9	196.9	-
		34-24T	-	71.2	51.3	25.0	38.5	191.8	191.8	-
	FC-M7000-11-B2	36-26T	-	75.3	55.4	25.0	38.5	191.8	191.8	-
		34-24T	-	71.2	51.3	25.0	38.5	191.8	191.8	-
	FC-M5100-B2	36-26T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		34-24T	-	75.3	55.4	25.0	38.5	191.8	191.8	-
	FC-M7000-B2	36-26T	-	75.3	55.4	25.0	38.5	191.8	191.8	-
		34-24T	-	71.2	51.3	25.0	38.5	191.8	191.8	-
	FC-M6000-B2	36-26T	-	75.3	55.4	25.0	38.5	192.7	192.7	-
		32T	-	68.5	-	-	-	197.8	197.8	24.7
	FC-M9020-B1	30T	-	64.4	-	-	-	196.9	196.9	24.8
		32T	-	68.5	-	-	-	191.8	191.8	24.8
	FC-M8000-B1	30T	-	64.4	-	-	-	191.8	191.8	24.8
		32T	-	68.5	-	-	-	191.8	191.8	24.8
	FC-M7000-11-B1	30T	-	64.4	-	-	-	191.8	191.8	24.8
		32T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M5100-1*	30T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		30T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	10	FC-M6000-B2	36-26T	-	75.3	55.4	25.0	38.2	192.6	192.6
FC-M4100-B2		36-26T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-
FC-M617-B2		36-22T	-	75.3	48.3	25.0	38.2	192.6	192.6	-
FC-M627-B		36-22T	-	75.3	48.3	25.0	38.2	192.6	192.6	-
FC-M5500-B2		36-26T	-	75.3	55.4	25.0	38.2	192.6	192.6	-
FC-M5100-1*		32T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
		30T	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FC-M4050-B2		36-22T	-	75.3	48.3	25.0	38.2	191.8	191.8	-
9	FC-M7120-B2	36-22T	-	75.3	48.3	25.0	38.2	192.5	192.5	-
	FC-M7101-B2	36-22T	-	75.3	48.3	21.0	38.2	190.7	190.7	-
	FC-M5115-B2	36-22T	-	75.3	48.3	21.0	38.2	190.7	190.7	-
		36-22T	-	75.3	48.3	21.0	38.2	190.7	190.7	-

C-120 Frame Requirement / Crankset / Dimensions [MTB,Trekking] / Chainline 3 mm outboard spec. X dimensions - Revised (FC-MT610-B2/M5100-B2/M4100-B2, Several dimensions)

version 1.0 - September 4, 2019

Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)
12	FC-M9120-B2	38-28T	51.8	-	53.3	45.9	45.8	44.0	68	66.8	-
	FC-M8120-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	73.2	72	-
	FC-M7120-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	73.2	72	-
	FC-MT610-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	76.1	71.4	-
	FC-M9100-1*	38T	52	-	48.9	-	45.5	-	65	63.8	-
		36T	52	-	48.9	-	45.5	-	65	63.8	-
		34T	52	-	48.9	-	45.5	-	65	63.8	-
		32T	52	-	48.9	-	45.5	-	65	63.8	-
		30T	52	-	48.9	-	45.5	-	65	63.8	-
	FC-M9120-1*	38T	52	-	48.9	-	45.5	-	68	66.8	-
		36T	52	-	48.9	-	45.5	-	68	66.8	-
		34T	52	-	48.9	-	45.5	-	68	66.8	-
		32T	52	-	48.9	-	45.5	-	68	66.8	-
		30T	52	-	48.9	-	45.5	-	68	66.8	-
	FC-M8100-1*	36T	52	-	48.9	-	45.4	-	70.2	69	-
		34T	52	-	48.9	-	45.4	-	70.2	69	-
		32T	52	-	48.9	-	45.4	-	70.2	69	-
		30T	52	-	48.9	-	45.4	-	70.2	69	-
		28T	52	-	48.9	-	45.4	-	70.2	69	-
	FC-M7100-1*	32T	52	-	48.9	-	45.4	-	70.2	69	-
		30T	52	-	48.9	-	45.4	-	70.2	69	-
		28T	52	-	48.9	-	45.4	-	70.2	69	-
		26T	52	-	48.9	-	45.4	-	70.2	69	-
		24T	52	-	48.9	-	45.4	-	70.2	69	-
11	FC-M9020-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M8000-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M7000-11-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-
	FC-M5100-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-
	FC-MT700-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-
	FC-MT600-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	72.7	72.8	-
	FC-M9020-B1	32T	53.4	-	50.8	-	-	-	71.5	71.5	49.7
	FC-M8000-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M7000-11-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M6000-B2	36-26T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M617-B2	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M627-B	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-MT500-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M4100-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M4050-B2	36-22T	51.8	-	53.5	45.6	45.6	43.8	72.9	72.9	-
	FC-MT210-B2	36-22T	51.8	-	53.4	45.6	50.9	-	72.1	72.0	-
	FC-MT101-B2	36-22T	52	-	53.4	45.5	42.5	-	73.1	70.4	-
	FC-M315-B2	36-22T	51.7	-	53.4	44.9	42.5	-	73.1	70.4	-
10	FC-M9020-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M8000-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M7000-11-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-
	FC-M5100-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-
	FC-MT700-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-
	FC-MT600-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	72.7	72.8	-
	FC-M9020-B1	32T	53.4	-	50.8	-	-	-	71.5	71.5	49.7
	FC-M8000-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M7000-11-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M6000-B2	36-26T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M617-B2	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M627-B	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-MT500-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M4100-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M4050-B2	36-22T	51.8	-	53.5	45.6	45.6	43.8	72.9	72.9	-
	FC-MT210-B2	36-22T	51.8	-	53.4	45.6	50.9	-	72.1	72.0	-
	FC-MT101-B2	36-22T	52	-	53.4	45.5	42.5	-	73.1	70.4	-
	FC-M315-B2	36-22T	51.7	-	53.4	44.9	42.5	-	73.1	70.4	-
9	FC-M9020-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M8000-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M7000-11-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-
	FC-M5100-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-
	FC-MT700-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-
	FC-MT600-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	72.7	72.8	-
	FC-M9020-B1	32T	53.4	-	50.8	-	-	-	71.5	71.5	49.7
	FC-M8000-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M7000-11-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M6000-B2	36-26T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M617-B2	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M627-B	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-MT500-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M4100-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M4050-B2	36-22T	51.8	-	53.5	45.6	45.6	43.8	72.9	72.9	-
	FC-MT210-B2	36-22T	51.8	-	53.4	45.6	50.9	-	72.1	72.0	-
	FC-MT101-B2	36-22T	52	-	53.4	45.5	42.5	-	73.1	70.4	-
	FC-M315-B2	36-22T	51.7	-	53.4	44.9	42.5	-	73.1	70.4	-
8	FC-M9020-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M8000-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-
	FC-M7000-11-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-
	FC-M5100-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-
	FC-MT700-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-
	FC-MT600-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	72.7	72.8	-
	FC-M9020-B1	32T	53.4	-	50.8	-	-	-	71.5	71.5	49.7
	FC-M8000-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M7000-11-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M6000-B2	36-26T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M617-B2	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-M627-B	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-
	FC-MT500-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M5100-1*	32T	52	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	FC-M4100-B2	36-26T	51.8	-	53.2	45.8	45.8	44.0	72.7	72.8	-
	FC-M4050-B2	36-22T	51.8	-	53.5	45.6	45.6	43.8	72.9	72.9	-
	FC-MT210-B2	36-22T	51.8	-	53.4	45.6	50.9	-	72.1	72.0	-
	FC-MT101-B2	36-22T	52	-	53.4	45.5	42.5	-	73.1	70.4	-
	FC-M315-B2	36-22T	51.7	-	53.4	44.9	42.5	-	73.1	70.4	-

version 1.1 - September 10, 2019

Speed	Model No.	Gear	Chainline (mm)	x1 (mm)	x2 (mm)	x3 (mm)	x4 (mm)	x5 (mm)	x6 (mm)	x7 (mm)	x8 (mm)	
12	FC-M9120-B2	38-28T	51.8	-	53.3	45.9	45.8	44.0	68	66.8	-	
	FC-M8120-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	73.2	72	-	
	FC-M7120-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	73.2	72	-	
	FC-MT610-B2	36-26T	51.8	-	53.3	45.9	45.9	44.2	76.3	71.4	-	
	FC-M9100-1*	38T	52	-	48.9	-	45.5	-	-	65	63.8	-
		36T	52	-	48.9	-	45.5	-	-	65	63.8	-
		34T	52	-	48.9	-	45.5	-	-	65	63.8	-
		32T	52	-	48.9	-	45.5	-	-	65	63.8	-
		30T	52	-	48.9	-	45.5	-	-	65	63.8	-
	FC-M9120-1*	38T	52	-	48.9	-	45.5	-	-	68	66.8	-
		36T	52	-	48.9	-	45.5	-	-	68	66.8	-
		34T	52	-	48.9	-	45.5	-	-	68	66.8	-
		32T	52	-	48.9	-	45.5	-	-	68	66.8	-
		30T	52	-	48.9	-	45.5	-	-	68	66.8	-
	FC-M8100-1*	36T	52	-	48.9	-	45.4	-	70.2	69	-	-
		34T	52	-	48.9	-	45.4	-	70.2	69	-	-
		32T	52	-	48.9	-	45.4	-	70.2	69	-	-
		30T	52	-	48.9	-	45.4	-	70.2	69	-	-
		28T	52	-	48.9	-	45.4	-	70.2	69	-	-
	FC-M7100-1*	34T	52	-	48.9	-	45.4	-	70.2	69	-	-
32T		52	-	48.9	-	45.4	-	70.2	69	-	-	
30T		52	-	48.9	-	45.4	-	70.2	69	-	-	
28T	52	-	48.9	-	45.4	-	70.2	69	-	-	-	
	FC-M9020-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-	
11	FC-M8000-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	71.4	71.5	-	
		36-26T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-	
	FC-M5100-B2	34-24T	51.8	-	53.2	45.8	45.1	43.9	72.2	72.2	-	
		36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-	
	FC-MT700-B2	36-26T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-	
		34-24T	51.8	-	53.2	45.8	45.1	43.9	72.0	72.0	-	
	FC-M9020-B1	32T	53.4	-	50.8	-	-	-	71.5	71.5	49.7	
		30T	53.4	-	50.8	-	-	-	72.2	72.2	48.3	
	FC-M8000-B1	32T	53.4	-	50.8	-	-	-	72.2	72.2	48.3	
		30T	53.4	-	50.8	-	-	-	72.2	72.2	48.3	
10	FC-M4100-B2	36-26T	51.8	-	53.2	45.8	45.8	43.8	71.5	72.0	-	
	FC-M627-B	36-22T	51.8	-	53.2	45.8	45.8	44.1	73.0	72.4	-	
9	FC-MT210-B2	36-22T	51.8	-	53.4	45.6	50.9	-	72.1	72.0	-	
	FC-MT101-B2	36-22T	52	-	53.4	45.5	42.5	-	73.1	70.4	-	
8	FC-M315-B2	36-22T	51.7	-	53.4	45.4	42.5	-	73.1	70.4	-	

C-261 Product Information / Hub / Front hub dimension [MTB,Trekking] - Revised (HB-MT410/MT410-B/TX506, Several dimensions)

version 1.0 - September 4, 2019

Disc brake (Thru axle type)

Model No.	A O.L.D.	B Flange distance	C Off set	D/D' P.C.D.	F Spoke hole	G/G' Flange diameter	M/N Flange thickness	P	P'	S	T
HB-M9110	100	60.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110		60.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8010		60.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110		60.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010		60.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT410	100	60.2	5.3	44	TBD	52.8	TBD	TBD	TBD	TBD	TBD
HB-MT400		60.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M9110-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010-B	110	70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M9110-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M820	110	61.55	5.8	50	ø2.6	59.6	3.2/3.2	ø24.0	ø24.0	24.25	20
HB-M640		61.55	5.6	52	ø2.6	61.6	3.2/3.2	ø24.0	ø24.0	24.25	20
HB-MT900-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT410-B		70.2	5.4	44	TBD	52.8	TBD	TBD	TBD	TBD	TBD
HB-MT400-B		70.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15

(mm)

Rim brake

For 6-bolt disc brake

Disc brake (QR type)

TBD

Model No.	A O.L.D.	B Flange distance	C Off set	D/D' P.C.D.	E QR	F Spoke hole	G/G' Flange diameter	M/N Flange thickness	O	O'	Q	Q'	S
HB-M756	100	59.4	5.5	61	61	TBD	TBD	70.6/70.6	TBD	TBD	TBD	TBD	TBD
HB-M525A		59.4	5.5	61	61	133	ø2.6	70.6/70.6	3.6/3.2	ø20.0	ø20.0	4	10.5
HB-M475		59.2	5.5	61	61	133	TBD	70.6/70.6	TBD	TBD	TBD	TBD	TBD
HB-TX506		58.1	5.2	61	61	133	TBD	70.6/70.6	TBD	TBD	TBD	TBD	TBD

(mm)

version 1.1 - September 10, 2019

Disc brake (Thru axle type)

Model No.	A O.L.D.	B Flange distance	C Off set	D/D' P.C.D.	F Spoke hole	G/G' Flange diameter	M/N Flange thickness	P	P'	S	T
HB-M9110	100	60.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110		60.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8010		60.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110		60.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010		60.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT410	100	60.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT400		60.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M9110-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010-B	110	70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M9110-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M8110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M7110-B		70.2	5.7	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M6010-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-M820	110	61.55	5.8	50	ø2.6	59.6	3.2/3.2	ø24.0	ø24.0	24.25	20
HB-M640		61.55	5.6	52	ø2.6	61.6	3.2/3.2	ø24.0	ø24.0	24.25	20
HB-MT900-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT410-B		70.2	5.4	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15
HB-MT400-B		70.2	5.3	44	ø2.6	52.8	3.2/3.2	ø21.0	ø21.0	19.5	15

(mm)

Rim brake

For 6-bolt disc brake

Disc brake (QR type)

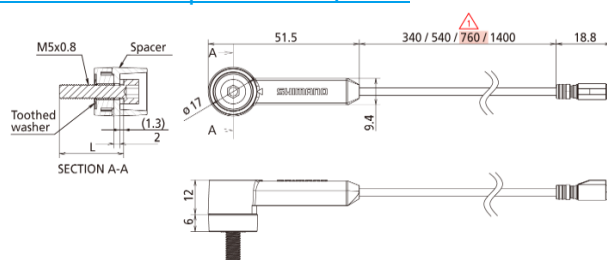
TBD

Model No.	A O.L.D.	B Flange distance	C Off set	D/D' P.C.D.	E QR	F Spoke hole	G/G' Flange diameter	M/N Flange thickness	O	O'	Q	Q'	S
HB-M756	100	59.4	5.5	61	61	TBD	TBD	70.6/70.6	TBD	TBD	TBD	TBD	TBD
HB-M525A		59.4	5.5	61	61	133	ø2.6	70.6/70.6	3.6/3.2	ø20.0	ø20.0	4	10.5
HB-M475		59.2	5.5	61	61	133	TBD	70.6/70.6	TBD	TBD	TBD	TBD	TBD
HB-TX506		58.1	5.3	61	61	133	ø2.6	70.6/70.6	3.6/3.2	ø20.0	ø20.0	4	10.5

(mm)

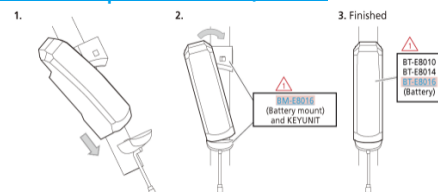
C-397 E-BIKE components / Speed sensor / Speed sensor dimensions - Added (SM-DUE10, cable length 760 mm spec.)

version 1.1 - September 10, 2019



C-410 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / How to installing/removing the battery - Added (BT-E8016)

version 1.1 - September 10, 2019



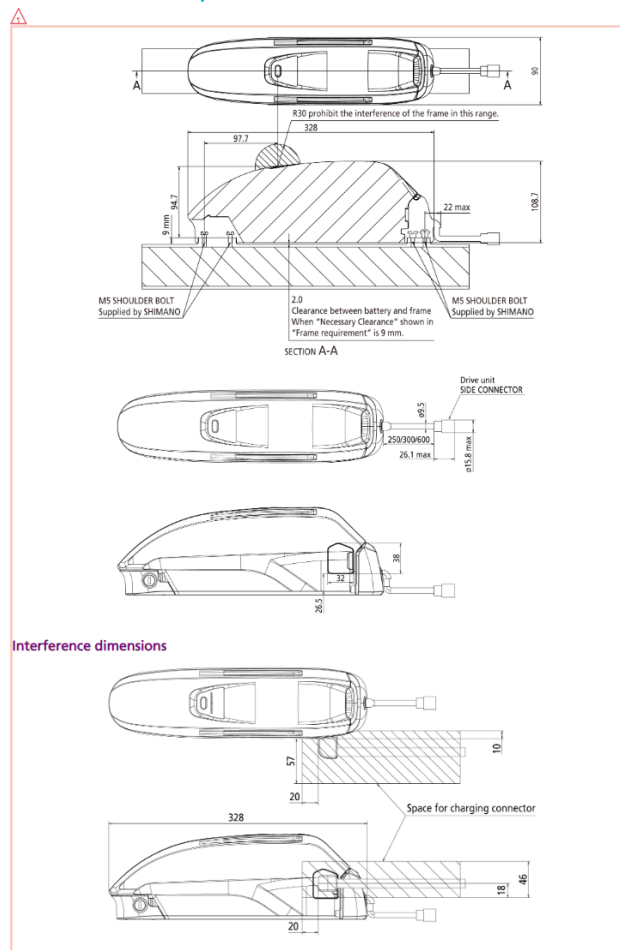
C-411 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / Frame requirement for down tube type battery mount - Added (BM-E8016)

version 1.1 - September 10, 2019

BM-E8016 / BM-E6010

[C-412 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / Battery and battery mount dimensions](#) - Added (BT-E8016/BM-E8016, dimension diagram, Interference dimensions)

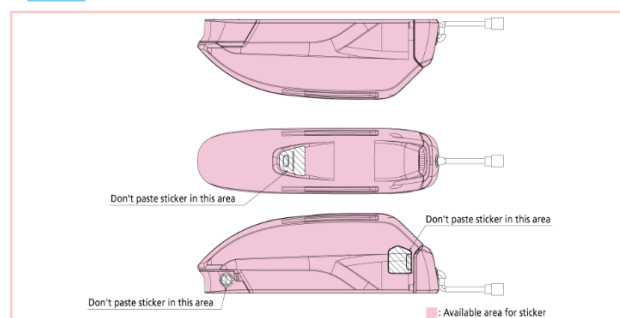
[version 1.1 - September 10, 2019](#)



[C-413 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / Available area for sticker](#) - Added (BT-E8016)

[version 1.1 - September 10, 2019](#)

[BT-E8016](#)



[C-446 Compatibility / Drivetrain for MTB components / Front drivetrain compatibility \[MTB\] / 8,7,6-speed triple FC-FD compatibility \[MTB\]](#) - Added (SL-M315-L/M315-2L, ST-EF500-2L2A/2L4A)

[version 1.1 - September 10, 2019](#)

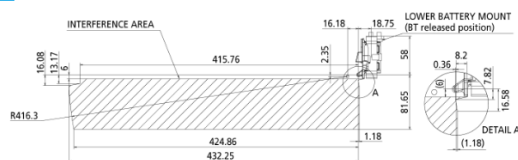


	SL / ST	FD	FC	BB	CN
3x8-speed	SL-M360-L SL-M310-L SL-M315-L SL-R547-L SL-R545-L ST-M310-L2 ST-M310-L4 ST-TX800-L ST-EF65-L2 ST-EF65-L4 ST-EF500-L2A ST-EF500-L4A ST-EF510-L2A ST-EF510-L4A ST-EF505-L	FD-M410-E (for 42-32-22T only) FD-M313-3 FD-M313-6 FD-M310-3 FD-M310-6 FD-TX800-TS3 FD-TX800-T56 FD-TY700-TS3 FD-TY700-T56 FD-TY710-TS3 FD-TY710-T56	FC-M361 FC-M311 FC-TX801 (42-32-22T) FC-TY701 FC-TY501 FC-TY301 (42-34-24T) FC-M361 FC-M311 FC-TX801 FC-TY701 FC-TY501 FC-TY301 (48-38-28T)	BB-UN26 BB-UN100 BB-UN101 BB-UN300 (Square type)	CN-HG71 CN-HG40
2x8-speed	SL-M315-2L ST-EF500-2L2A ST-EF500-2L4A ST-EF505-2L	FD-M315-T5 FD-TY710-2-T53	FC-M315-2 FC-M315-B2 FC-TY501-2		
3x7-speed	SL-M310-L SL-M315-L SL-R547-L SL-R545-L SL-R536-L SL-R535-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 SL-TX30-LN SL-TZ500-LN SL-TZ20-LN SL-R536-LN SL-R535-LN SL-TX50-LN	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-T56 FD-TY700-TS3 FD-TY700-T56 FD-TY500-TS3 FD-TY500-T56 FD-TY300-D56 FD-TY300-D56 FD-TY710-TS3 FD-TY710-T56 FD-TY510-TS3 FD-TY510-T56 FD-TZ500-D56 FD-TZ30 FD-TZ510-D56 FD-TZ31	FC-M361 FC-M311 FC-TX801 (42-32-22T) FC-TY701 FC-TY501 FC-TY301 (42-34-24T) FC-M361 FC-M311 FC-TX801 FC-TY701 FC-TY501 FC-TY301 (48-38-28T)	BB-UN26 BB-UN100 BB-UN101 BB-UN300 (Square type)	CN-HG71 CN-HG40
2x7-speed	SL-M315-2L ST-EF500-2L2A ST-EF500-2L4A ST-EF505-2L	FD-M315-T5 FD-TY710-2-T53	FC-M315-2 FC-M315-B2 FC-TY501-2		

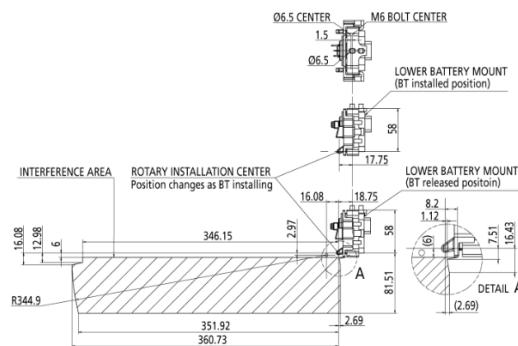
[C-531 E-BIKE component / Battery and battery mount / Integrated type battery and battery mount / Interference dimensions \(during installation\)](#) - Revised (Diagram of BT-E8035/E8036)

[version 1.0 - September 4, 2019](#)

BT-E8036

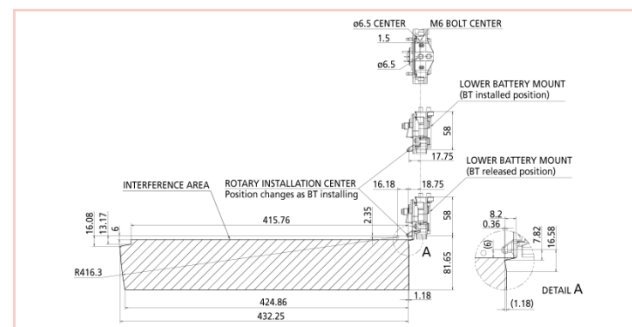


BT-E8035

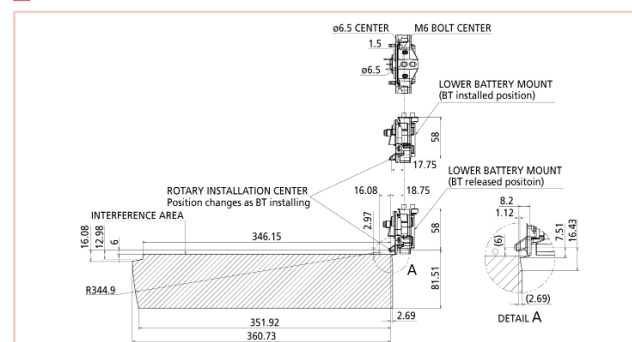


[version 1.1 - September 10, 2019](#)

BT-E8036



BT-E8035



[C-601 Frame Requirement / Crankset / Dimensions \[MTB,Trekking\] / Chainline 7.5 mm outboard spec.](#)
[Y dimensions](#) - Revised FC-M6130-1, Several dimensions)

[version 1.0 - September 4, 2019](#)

Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)
12	FC-M8130-1	34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
		28T	-	61.4	-	36.4	-	196.9	196.9	-
	FC-M7130-1	34T	-	73.5	-	44.4	-	196.9	196.9	-
		32T	-	69.5	-	44.4	-	196.9	196.9	-
		30T	-	65.4	-	36.4	-	196.9	196.9	-
		28T	-	61.4	-	36.4	-	196.9	196.9	-
	FC-M6130-1	34T	-	73.5	-	44.4	-	192.7	192.7	-
		32T	-	69.5	-	44.4	-	192.7	192.7	-
		30T	-	65.4	-	35.8	-	192.7	192.7	-
		28T	-	61.4	-	35.8	-	192.7	192.7	-

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Speed	Model No.	Gear	y1 (mm)	y2 (mm)	y3 (mm)	y4 (mm)	y5 (mm)	y6 (mm)	y7 (mm)	y8 (mm)	Edit
12	FC-M8130-1	34T	-	73.5	-	44.4	-	196.9	196.9	-	
		32T	-	69.5	-	44.4	-	196.9	196.9	-	
		30T	-	65.4	-	36.4	-	196.9	196.9	-	
		28T	-	61.4	-	36.4	-	196.9	196.9	-	
	FC-M7130-1	34T	-	73.5	-	44.4	-	196.9	196.9	-	
		32T	-	69.5	-	44.4	-	196.9	196.9	-	
		30T	-	65.4	-	36.4	-	196.9	196.9	-	
		28T	-	61.4	-	36.4	-	196.9	196.9	-	
	FC-M6130-1	34T	-	73.5	-	44.4	-	192.7	192.7	-	
		32T	-	69.5	-	44.4	-	192.7	192.7	-	
		30T	-	65.4	-	35.8	-	192.7	192.7	-	
		28T	-	61.4	-	35.8	-	192.7	192.7	-	

[C-617 E-BIKE components / Battery and battery mount / Down tube type battery and battery mount / External type battery appropriated mounting angle](#) - Added (BT-E8014/E8016)

[version 1.1 - September 10, 2019](#)

Model No.	Type	Mounting angle
BT-E8010	External type battery	50° ± 0° ~ 90°
BT-E8014	External type battery	TBD
BT-E8016	External type battery	TBD

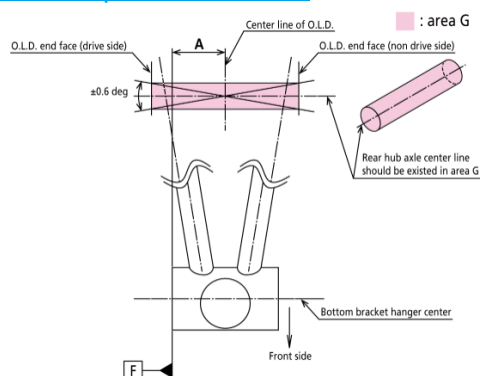
[C-624 E-BIKE components / Battery and battery mount / Integrated type battery and battery mount / Integrated type battery appropriated mounting angle](#) - Added (BT-E8036)

[version 1.1 - September 10, 2019](#)

Model No.	Type	Mounting angle
BT-E8035	Integrated type battery	50° ± 5° ~ 75°
BT-E8036	Integrated type battery	TBD

[C-626 Frame Requirement / Chainstay and seat tube / Bottom bracket and rear hub related dimensions](#) - Revised (Illustration was revised at all)

[version 1.0 - September 4, 2019](#)



[version 1.1 - September 10, 2019](#)

