

ARCHIVE

Table of Contents

MTB

RD	Page 5
FD	Page 6
SL (ST)	Page 14
BL (ST)	Page 24
BR	Page 29
Disc BR(Caliper)	Page 31
Disc BR(Lever)	Page 34
Disc BR(Rotor)	Page 37
HRB	Page 41
PM	Page 43
FC	Page 44
BB	Page 52
FH-Standard	Page 53
FH-Disc Brake	Page 55
FH-Roller Brake	Page 58
HB-Standard	Page 59
HB-Disc Brake	Page 61
HB-Disc Brake (Thru Axle)	Page 64
HB-Roller Brake	Page 66
CS/MF	Page 67
CN	Page 73
EW	Page 75

NEXAVE

RD/FD/ST/BL/BR/BL/FH/ HB	Page 76
-----------------------------	-------------------------

ROAD

RD	Page 78
FD	Page 79
ST / SL / BL	Page 85
BR	Page 90
FC	Page 92
BB	Page 95
FH	Page 97
HB	Page 98
CS	Page 100
CN	Page 104

General Items

HP	Page 105
WH (MTB)	Page 106
WH (ROAD)	Page 109
WH (TREKKING)	Page 115
SPD-SL	Page 117
SPD	Page 118
SC	Page 120
SM	Page 122
ID	Page 123

LP	Page 124
HB-Dynamo	Page 125

Capreo

RD/CS/SL/BL/BR/FC/FH/HB	Page 130
-------------------------	--------------------------

Alfine

SG/CT/CS/SL/BL/BR/FC	Page 132
----------------------	--------------------------

Nexus

INTER 8	Page 134
INTER 7	Page 135
INTER 3	Page 136

INTER-S	Page 137
INTER-C	Page 139
OTHERS	Page 140

Corrections & Additions

	Page 141
--	--------------------------

****REMARKS Mark X : available / Mark - : not available**

*All information in this spec. handbook is confidential and has been given to you for the sole use of your product development staff.

This information should not be photo copied.

Rear Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	XTR	XTR	SAINT	SAINT	Deore XT	Deore XT	Deore XT	Deore XT	Deore XT	Deore XT
Model No.	RD-M980	RD-M980	RD-M810	RD-M810	RD-M773	RD-M773	RD-M770	RD-M770	RD-M772	RD-M772
Pulley Cage	SGS	GS	SS	GS	GS	SGS	GS	SGS	GS	SGS
Speeds	10	10	9	9	10	10	9	9	9	9
Compatible with LG sprocket	-	-	-	-	-	-	-	-	-	-
Low-Normal Spring Type	-	-	-	-	-	-	X	X	-	-
Top-Normal Spring Type	X	X	X	X	X	X	-	-	X	X
Max Front Difference	18T	18T	Front single use	14T	18T	18T	22T	22T	22T	22T
Total Capacity	41T	35T	17/23T*	31/37T*	35T	43T	35T	45T	35T	45T
Max. Low Sprocket	36T	36T	28/36T*	28/36T*	36T	36T	34T	34T	36T	36T
Min. Low Sprocket	32T	32T	23/32T*	23/32T*	32T	32T	32T	32T	32T	32T
Min. Top Sprocket	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Riveted										
Adapter										
	Road type	-	-	-	-	-	-	-	-	-
	Bmx-Track type	-	-	-	-	-	-	-	-	-
Direct Attachment	X	X	X	X	X	X	X	X	X	X
Detachable Bracket	-	-	-	-	-	-	-	-	-	-
Wheel-Type Cable Guide	-	-	-	-	-	-	-	-	-	-
Fluoric Coated Link Bushings	4	4	4	4	4	4	4	4	4	4
Sealed Bearing Guide Pulley	X	X	-	-	X	X	-	-	-	-
Ceramic bush Guide Pulley	-	-	X	X	-	-	X	X	X	X
Sealed Bearing Tension Pulley	X	X	X	X	X	X	X	X	X	X
Pulley teeth	11T/11T	11T/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T
Pulley Bolt Retainer	X	X	X	X	-	-	-	-	-	-
Bracket										
Body										
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Plate										
Body										
	Material	Engineering Composite	Engineering Composite	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Outer Link										
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link										
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Outer Plate										
	Material	Carbon	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	-	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Plate										
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Removable Rubber Bumper	-	-	-	-	-	-	X	X	-	-
NOTE	SHIMANO SHADOW RD Bracket: AL B-Axle: AL	SHIMANO SHADOW RD Bracket: AL B-Axle: AL	SHIMANO SHADOW RD *Mode converter	SHIMANO SHADOW RD *Mode converter	SHIMANO SHADOW RD Bracket:Steel	SHIMANO SHADOW RD Bracket:Steel	with hollow bracket fixing bolt	with hollow bracket fixing bolt	SHIMANO SHADOW RD Bracket:Steel	SHIMANO SHADOW RD Bracket:Steel

Rear Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Deore XT	Deore XT	SLX	SLX	SLX	Deore LX	Deore	Deore	Deore	Alivio
Model No.	RD-M771	RD-M771	RD-M663	RD-M662	RD-M662	RD-T661	RD-M592	RD-M591-L	RD-M591-S	RD-M430-L
Pulley Cage	GS	SGS	SGS	GS	SGS	SGS	SGS	SGS	SGS	SGS
Speeds	9	9	10	9	9	9	9	9	9	9
Compatible with LG sprocket	-	-	-	-	-	-	-	-	-	-
Low-Normal Spring Type	-	-	-	-	-	-	-	-	-	-
Top-Normal Spring Type	X	X	X	X	X	X	X	X	X	X
Max Front Difference	22T	22T	18T	22T	22T	22T	22T	22T	22T	22T
Total Capacity	35T	45T	43T	35T	45T	43T	45T	45T	45T	45T
Max. Low Sprocket	34T	34T	36T	36T	36T	32T	36T	34T	34T	34T
Min. Low Sprocket	32T	32T	32T	32T	32T	28T	32T	28T	28T	28T
Min. Top Sprocket	11T	11T	11T	11T	11T	11T	11T	11T	11T	11T
Riveted Adapter										
Road type	-	-	-	-	-	-	-	-	-	-
Bmx-Track type	-	-	-	-	-	-	-	-	-	-
Direct Attachment	X	X	X	X	X	X	X	X	X	X
Detachable Bracket	-	-	-	-	-	-	-	-	-	-
Wheel-Type Cable Guide	-	-	-	-	-	-	-	-	-	-
Fluoric Coated Link Bushings	4	4	3	3	3	2	3	2	2	2
Sealed Bearing Guide Pulley	-	-	-	-	-	-	-	-	-	-
Ceramic bush Guide Pulley	X	X	-	-	-	-	-	-	-	-
Sealed Bearing Tension Pulley	X	X	-	-	-	-	-	-	-	-
Pulley teeth	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T	11/11T
Pulley Bolt Retainer	-	-	-	-	-	-	-	-	-	-
Bracket Body										
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Plate Body										
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Resin
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Outer Link										
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link										
Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Outer Plate										
Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Plate										
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Removable Rubber Bumper	X	X	-	-	-	-	-	-	-	-
NOTE	with hollow bracket fixing bolt	with hollow bracket fixing bolt	SHIMANO SHADOW RD Bracket:Steel	SHIMANO SHADOW RD Bracket:Steel	SHIMANO SHADOW RD Bracket:Steel	with hollow bracket fixing bolt	SHIMANO SHADOW RD Bracket:Steel	Black Version	Silver Version	Black Version

Rear Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Acera	Acera	Altus	Altus	Tourney	Tourney
Model No.	RD-M430-S	RD-M410-L	RD-M410-NS	RD-M360-L	RD-M360-S	RD-M310-L	RD-M310-S	RD-TX75	RD-TX55
Pulley Cage	SGS	SGS	SGS	SGS	SGS	Smart	Smart	SGS	SGS
Speeds	9	8/7	7/8	7/8	7/8	7/8	7/8	6/7	6/7
Compatible with LG sprocket	-	-	-	-	-	-	-	-	-
Low-Normal Spring Type	-	-	-	-	-	-	-	-	-
Top-Normal Spring Type	X	X	X	X	X	X	X	X	X
Max Front Difference	22T	20T	20T	20T	20T	20T	20T	20T	20T
Total Capacity	45T	43T	43T	43T	43T	43T	43T	43T	43T
Max. Low Sprocket	34T	34T	34T	34T	34T	34T	34T	34T	34T
Min. Low Sprocket	28T	28T	28T	28T	28T	28T	28T	28T	28T
Min. Top Sprocket	11T	11T	11T	11T	11T	11T	11T	11T	11T
Riveted Adapter	Road type	-	-	-	-	-	-	X	X
	Bmx-Track type	-	-	-	-	-	-	-	X
Direct Attachment	X	X	X	X	X	X	X	X	X
Detachable Bracket	-	-	-	-	-	-	-	-	-
Wheel-Type Cable Guide	-	-	-	-	-	-	-	X	X
Fluoric Coated Link Bushings	2	2	2	1	1	-	-	-	-
Sealed Bearing Guide Pulley	-	-	-	-	-	-	-	-	-
Ceramic bush Guide Pulley	-	-	-	-	-	-	-	-	-
Sealed Bearing Tension Pulley	-	-	-	-	-	-	-	-	-
Pulley teeth	11/11T	13/13T	13/13T	13/13T	13/13T	13/15T	13/15T	13/13T	13/13T
Pulley Bolt Retainer	-	-	-	-	-	-	-	-	-
Bracket Body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Resin	Resin
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	-	-
Plate Body	Material	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin
	Finish	Painted	Painted	Painted	-	Painted	-	-	-
Outer Link	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Aluminum	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	-	Painted
Inner Link	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Zinc Plated	Zinc Plated	Zinc Plated	Painted	Painted
Outer Plate	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Plate	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated	Painted	Painted
Removable Rubber Bumper	-	-	-	-	-	-	-	-	-
NOTE	Silver Version	Black Version	Neutral Silver Version	Black Version	Silver Version	Black Version	Silver Version		

Rear Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Tourney	Tourney	Tourney	Tourney	Tourney
Model No.	RD-TX35	RD-FT30	RD-TZ50	RD-TY18	RD-TY18
Pulley Cage	SGS	SS	GS	SS	GS
Speeds	6/7	6/7	6	6	6
Compatible with LG sprocket	-	-	-	-	-
Low-Normal Spring Type	-	-	-	-	-
Top-Normal Spring Type	X	X	X	X	X
Max Front Difference	20T	Front single use	20T	13T	20T
Total Capacity	43T	17T	34T	28T	34T
Max. Low Sprocket	34T	28T	28T	28T	28T
Min. Low Sprocket	28T	28T	28T	28T	28T
Min. Top Sprocket	11T	11T	14T	14T	14T
Riveted Adapter	Road type	X	X	X	X
	Bmx-Track type	X	X	-	-
Direct Attachment	X	X	X	X	X
Detachable Bracket	-	-	-	-	-
Wheel-Type Cable Guide	-	X	-	-	-
Fluoric Coated Link Bushings	-	-	-	-	-
Sealed Bearing Guide Pulley	-	-	-	-	-
Ceramic bush Guide Pulley	-	-	-	-	-
Sealed Bearing Tension Pulley	-	-	-	-	-
Pulley teeth	13/13T	11T	11T	10T	10T
Pulley Bolt Retainer	-	-	-	-	-
Bracket Body	Material	Resin	Steel	Steel	Steel
	Finish	-	Painted	Painted	Zinc Plated
Plate Body	Material	Resin	Steel	Resin	Steel
	Finish	-	Painted	-	Zinc Plated
Outer Link	Material	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted
Inner Link	Material	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Zinc Plated
Outer Plate	Material	Steel	Steel	Steel	Steel
	Finish	Chrome Plated	Pearl Bright	Painted	Zinc Plated
Inner Plate	Material	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Zinc Plated
Removable Rubber Bumper	-	-	-	-	-
NOTE		For folding bike with over 16inch wheel.			

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR	
Model No.	FD-M980	FD-M980-E	FD-M981	FD-M981-D	FD-M985	FD-M985-E	FD-M985-E2	FD-M986	
Rear Speeds	10	10	10	10	10	10	10	10	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Double	Double	Double	Double	
Top Swing Link	X	X	-	-	X	X	X	-	
E-type BB Mount	-	(w/o BB Plate option)	-	-	-	(w/o BB Plate option)	w/o BB Plate only	-	
Direct mount	-	-	-	X	-	-	X	-	
Applicable Chain Line	50mm	50mm	50mm	50mm	46.8mm for 38T 48.8mm for 40-44T	48.8mm for 40-44T	46.8mm for 38T 48.8mm for 40T	46.8mm for 38T 48.8mm for 40-44T	
Top Gear Teeth	42T	42T	42T	42T	38-44T	40-44T	38-40T	38-44T	
Total Capacity	18T	18T	18T	18T	14T	14T	12T	14T	
Applicable Top-middle tooth difference	10T	10T	10T	10T	-	-	-	-	
Chainstay Angle (degree)	66-69	66-69	66-69	66-69	66-69	66-69	66-69	66-69	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	X	-	X	X	X	-	-	X	
Angled Adjust Bolt	X	X	X	X	X	X	X	X	
28.6mm	Cable route	Top	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)
		Down	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)
		Down	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)
34.9mm	Cable route	Top	X	-	X	-	X	-	X
		Down	X	-	X	-	X	-	X
Front Clamp Band	Material	Aluminum	-	Aluminum	-	Aluminum	-	Aluminum	
	Finish	Anodized	-	Anodized	-	Anodized	-	Anodized	
Rear Clamp Band (base bracket)	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Anodized	Anodized	Anodized	Painted	Anodized	Anodized	Anodized	
BB Plate	Material	-	Aluminum	-	-	Aluminum	-	-	
Outer Link	Material	Steel	Steel	Aluminum	Aluminum	Steel	Steel	Aluminum	
	Finish	Painted	Painted	Anodized	Anodized	Painted	Painted	Anodized	
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	
Chain Guide	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Aluminum	
	Finish	Nickel Plated	Nickel Plated	Nickel Plated	Nickel Plated	Nickel Plated	Nickel Plated	Nickel Plated	
Note				*Outer cable stopper integrated design					

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	XTR	SAINT	SAINT	Deore XT	Deore XT	Deore XT	Deore XT	Deore XT	
Model No.	FD-M986-D	FD-M817	FD-M815	FD-M770-10	FD-M770-10E	FD-M771-10	FD-M771-10D	FD-M770	
Rear Speeds	10	9	9	10	10	10	10	9	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Double	Double	Double	Triple	Triple	Triple	Triple	Triple	
Top Swing Link	-	-	X	X	X	-	-	X	
E-type BB Mount	-	-	-	-	X (w/o BB Plate option)	-	-	-	
Direct mount	X	-	-	-	-	-	X	-	
Applicable Chain Line	46.8mm for 38T 48.8mm for 40-44T	54.3mm	54.3mm	50mm	50mm	50mm	50mm	50mm	
Top Gear Teeth	38-44T*	36T	36T	42T	42T	42T	42T	44/48T	
Total Capacity	14T	14T	14T	18T	18T	18T	18T	22T	
Applicable Top-middle tooth difference	-	-	-	10T	10T	10T	10T	12T	
Chainstay Angle (degree)	66-69	65-71	65-71	66-69	66-69	66-69	66-69	66-69	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	-	X	X	X	-	X	-	X	
Angled Adjust Bolt	X	X	X	X	X	X	X	X	
28.6mm	Cable route	Top	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)
		Down	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	-	X (w/AdapterS)	-	X (w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)
		Down	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	-	X (w/AdapterM)	-	X (w/AdapterM)
34.9mm	Cable route	Top	X	X	X	-	X	-	X
		Down	X	X	X	-	X	-	X
Front Clamp Band	Material	-	Aluminum	Aluminum	Aluminum	-	Aluminum	-	Aluminum
	Finish	-	Painted	Painted	Painted	-	Painted	-	Painted
Rear Clamp Band (base bracket)	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	
BB Plate	Material	-	-	-	-	Aluminum	-	-	
Outer Link	Material	Aluminum	Aluminum	Steel	Steel	Steel	Aluminum	Aluminum	
	Finish	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	
Chain Guide	Material	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Nickel Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	
Note	*Outer cable stopper integrated design *new FD mount position is required when used for 44T	*For 150mm O.L.D with 83mm BB shell width *For 165mm O/D Bash guard	*For 150mm O.L.D with 83mm BB shell width *For 165mm O/D Bash guard				*Outer cable stopper integrated design		

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Deore XT	Deore XT	Deore XT	Deore XT	Deore XT	SLX	SLX	SLX	
Model No.	FD-M770-E	FD-M771	FD-M771-D	FD-M772A	FD-M773	FD-M660-10	FD-M660-10E	FD-M661-10	
Rear Speeds	9	9	9	9	9	10	10	10	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	
Top Swing Link	X	-	-	X	-	X	X	-	
E-type BB Mount	X	-	-	-	-	-	(w/o BB Plate option)	-	
Direct mount	-	-	X	-	-	-	-	-	
Applicable Chain Line	50mm	50mm	50mm	50mm	50mm	50mm	50mm	50mm	
Top Gear Teeth	44T	44T	44T	44/48T	44/48T	42T	42T	42T	
Total Capacity	22T	22T	22T	22T	22T	18T	18T	18T	
Applicable Top-middle tooth difference	12T	12T	12T	12T	12T	10T	10T	10T	
Chainstay Angle (degree)	66-69	66-69	66-69	63-66	63-66	66-69	66-69	66-69	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	-	X	-	X	X	X	-	X	
Angled Adjust Bolt	X	X	X	-	-	X	X	X	
28.6mm	Cable route	Top	X (w/AdapterS)	-	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	-	X (w/AdapterS)
		Down	X (w/AdapterS)	-	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	-	X (w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	-	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	-	X (w/AdapterM)
		Down	X (w/AdapterM)	-	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	-	X (w/AdapterM)
34.9mm	Cable route	Top	X	-	X	X	X	-	X
		Down	X	X	-	X	X	-	X
Front Clamp Band	Material	-	Aluminum	-	Aluminum	Aluminum	Aluminum	-	Aluminum
	Finish	-	Painted	-	Painted	Painted	Painted	-	Painted
Rear Clamp Band (base bracket)	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	Painted	Painted	Painted	Painted	Painted	Painted	Painted
BB Plate	Material	Aluminum	-	-	-	-	Aluminum	-	
Outer Link	Material	Steel	Aluminum	Aluminum	Steel	Aluminum	Steel	Steel	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
Note	Without BB Plate option is available		*Outer cable stopper integrated design						

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	SLX	SLX	SLX	SLX	SLX	SLX	SLX	SLX	
Model No.	FD-M661-10D	FD-M660	FD-M660-E	FD-M661	FD-M661-D	FD-M665	FD-M665-E	FD-M667	
Rear Speeds	10	9	9	9	9	9	9	9	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Triple	Double	Double	Double	
Top Swing Link	-	X	X	-	-	X	X	-	
E-type BB Mount	-	-	X	-	-	-	X	-	
Direct mount	X	-	-	-	X	-	-	-	
Applicable Chain Line	50mm	50mm	50mm	50mm	50mm	46.8mm	46.8mm	46.8mm	
Top Gear Teeth	42T	44/48T	44T	44T	44T	36T	36T	36T	
Total Capacity	18T	22T	22T	22T	22T	14T	14T	14T	
Applicable Top-middle tooth difference	10T	12T	12T	12T	12T	-	-	-	
Chainstay Angle (degree)	66-69	66-69	66-69	66-69	66-69	65-71	65-71	65-71	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	-	X	-	X	-	X	-	X	
Angled Adjust Bolt	X	X	X	X	X	X	X	X	
28.6mm	Cable route	Top	X (w/AdapterS)	X	X (w/AdapterS)	-	X (w/AdapterS)	X	X (w/AdapterS)
		Down	X (w/AdapterS)	X	X (w/AdapterS)	-	X (w/AdapterS)	X	X (w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	X	X (w/AdapterM)	-	X (w/AdapterM)	X	X (w/AdapterM)
		Down	X (w/AdapterM)	X	X (w/AdapterM)	-	X (w/AdapterM)	X	X (w/AdapterM)
34.9mm	Cable route	Top	X	X	X	-	X	X	X
		Down	X	X	X	-	X	X	X
Front Clamp Band	Material	-	Aluminum	-	Aluminum	-	Aluminum	-	Aluminum
	Finish	-	Painted	-	Painted	-	Painted	-	Painted
Rear Clamp Band (base bracket)	Material	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum	-	Aluminum
	Finish	Painted	Painted	-	Painted	Painted	Painted	-	Painted
BB Plate	Material	-	-	Aluminum	-	-	-	Aluminum	
Outer Link	Material	Aluminum	Steel	Steel	Aluminum	Aluminum	Steel	Steel	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	
Note	*Outer cable stopper integrated design		Without BB Plate option is available			*Outer cable stopper integrated design	*Designed for 165mm O/D Bash guard. Without BB Plate option is available	*Designed for 165mm O/D Bash guard	

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Deore LX	Deore LX	Deore LX	Deore LX	Deore LX	Deore	Deore	Deore		
Model No.	FD-T661-3	FD-T661-6	FD-T660-A3	FD-T660-6	FD-M580-E	FD-M590-6	FD-M590-3	FD-M591-6		
Rear Speeds	9	9	9	9	9	9	9	9		
Front SIS	X	X	X	X	X	X	X	X		
Chain Ring	Triple	Triple	Triple	Triple	Triple/Double	Triple	Triple	Triple		
Top Swing Link	-	-	X	X	X	X	X	-		
E-type BB Mount	-	-	-	-	X	-	-	-		
Direct mount	-	-	-	-	-	-	-	-		
Applicable Chain Line	50mm	50mm	50mm	50mm	50mm	50mm	50mm	50mm		
Top Gear Teeth	44T/48T	44T/48T	44T/48T	44T/48T	44 T	44T/48T	44T/48T	44T/48T		
Total Capacity	22T	22T	22T	22T	22T	22T	22T	22T		
Applicable Top-middle tooth difference	12T	12T	12T	12T	12T	12T	12T	12T		
Chainstay Angle (degree)	63-66	66-69	63-66	66-69	66-69	66-69	63-66	66-69		
Dual Pull	X	X	X	X	-	X	X	X		
Multi Clamp Band	X	X	X	X	-	X	X	X		
Angled Adjust Bolt	-	-	-	-	-	-	-	-		
28.6mm	Cable route	Top	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
		Down	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
		Down	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
34.9mm	Cable route	Top	X	X	X	X	X	X	X	X
		Down	X	X	X	X	X	X	X	X
Front Clamp Band	Material	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
		Finish	Painted	Painted	Painted	Painted	-	Painted	Painted	Painted
Rear Clamp Band (base bracket)	Material	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum
		Finish	Painted	Painted	Painted	Painted	-	Painted	Painted	Painted
BB Plate	Material	-	-	-	-	Aluminum	-	-	-	
Outer Link	Material	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Aluminum
		Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
		Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Chain Guide	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	
		Finish	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Pearl Bright	Pearl Bright	Pearl Bright
Note		Angled clamp band	Angled clamp band	Angled clamp band	Angled clamp band		Angled clamp band, black clamp band	Angled clamp band, silver clamp band	Angled clamp band, black clamp band	

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Deore	Deore	Deore	Deore	Deore	Alivio	Alivio	Alivio	
Model No.	FD-M511-3	FD-M511-3	FD-M511-6	FD-M510-3	FD-M510-6	FD-M430-3	FD-M430-6	FD-M431-3	
Rear Speeds	9	9	9	9	9	9	9	9	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	
Top Swing Link	-	-	-	X	X	X	X	-	
E-type BB Mount	-	-	-	-	-	-	-	-	
Direct mount	-	-	-	-	-	-	-	-	
Applicable Chain Line	50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	50mm	50mm	50mm	
Top Gear Teeth	44T/48T	44 / 48T	44 / 48T	44 / 48T	44 / 48T	44T/48T	44T/48T	44T/48T	
Total Capacity	22T	22T	22T	22T	22T	22T	22T	22T	
Applicable Top-middle tooth difference	12T	12T	12T	12T	12T	12T	12T	12T	
Chainstay Angle (degree)	63-66	63-66	66-69	63-66	66-69	63-66	66-69	63-66	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	X	X	X	X	X	X	X	X	
Angled Adjust Bolt	-	-	-	-	-	-	-	-	
28.6mm	Cable route	Top	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X(w/AdapterS)
		Down	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X(w/AdapterS)
31.8mm	Cable route	Top	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X(w/AdapterM)
		Down	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X(w/AdapterM)
34.9mm	Cable route	Top	X	X	X	X	X	X	X
		Down	X	X	X	X	X	X	X
Front Clamp Band	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Rear Clamp Band (base bracket)	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
BB Plate	Material	-	-	-	-	-	-	-	
Outer Link	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	
	Finish	Pearl Bright	Pearl Bright	Pearl Bright	Chrome Plated	Chrome Plated	Chrome plated	Chrome plated	Chrome plated
Note	Angled clamp band, silver clamp band			Angled clamp band	Angled clamp band	Angled clamp band, silver clamp band	Angled clamp band, black clamp band	Angled clamp band, silver clamp band	

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Acera	Acera	
Model No.	FD-M431-6	FD-M413-3	FD-M413-6	FD-M412-3	FD-M412-6	FD-M410-E	FD-M360-3	FD-M360-6	
Rear Speeds	9	8/7	8/7	8/7	8/7	8/7	8/7	8/7	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	
Top Swing Link	-	-	-	X	X	X	X	X	
E-type BB Mount	-	-	-	-	-	X	-	-	
Direct mount	-	-	-	-	-	-	-	-	
Applicable Chain Line	50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	50mm	47.5 / 50mm	47.5 / 50mm	
Top Gear Teeth	44T/48T	42T/48T	42T/48T	42T/48T	42T/48T	42T	42T/48T	42T/48T	
Total Capacity	22T	20T	20T	20T	20T	20T	20T	20T	
Applicable Top-middle tooth difference	12T	10T	10T	10T	10T	10T	10T	10T	
Chainstay Angle (degree)	66-69	63-66	66-69	63-66	66-69	•New Slotted E-type •Chainstay Angle: 63 to 69 degrees	63-66	66-69	
Dual Pull	X	X	X	X	X	X	X	X	
Multi Clamp Band	X	X	X	X	X	-	X	X	
Angled Adjust Bolt	-	-	-	-	-	-	-	-	
28.6mm	Cable route	Top	X(w/AdapterS)	X(w/AdapterS)	X(w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
		Down	X(w/AdapterS)	X(w/AdapterS)	X(w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
31.8mm	Cable route	Top	X(w/AdapterM)	X(w/AdapterM)	X(w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
		Down	X(w/AdapterM)	X(w/AdapterM)	X(w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
34.9mm	Cable route	Top	X	X	X	X	X	X	X
		Down	X	X	X	X	X	X	X
Front Clamp Band	Material	Steel	Steel	Steel	Steel	Steel	-	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	-	Painted	Painted
Rear Clamp Band (base bracket)	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	-	Painted	Painted
BB Plate	Material	-	-	-	-	-	Aluminum(Painted)	-	-
Outer Link	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome Plated	Chrome Plated
Note	Angled clamp band, black clamp band	Neutral Silver Version	Neutral Silver Version			New slotted E-type			

Front Derailleur (MTB) Specifications

[Return to Top Page](#)

Series	Altus	Altus	Altus	Altus	Non-series	Non-series	Non-series	Non-series	Tourney	
Model No.	FD-M311-3	FD-M311-6	FD-M310-3	FD-M310-6	FD-M190-3	FD-M190A-6	FD-M191-3	FD-M191-6	FD-TX50-3	
Rear Speeds	8/7	8/7	8/7	8/7	8/7	8/7	8/7	8/7	7/6	
Front SIS	X	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	
Top Swing Link	-	-	X	X	X	X	X	X	X	
E-type BB Mount	-	-	-	-	-	-	-	-	-	
Direct mount	-	-	-	-	-	-	-	-	-	
Applicable Chain Line	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	47.5 / 50mm	
Top Gear Teeth	42T/48T	42T/48T	42T/48T	42T/48T	42T	42T	48T	48T	42T	
Total Capacity	20T	20T	20T	20T	18T	18T	20T	20T	18T	
Applicable Top-middle tooth difference	10T	10T	10T	10T	8T	8T	10T	10T	8T	
Chainstay Angle (degree)	63-66	66-69	63-66	66-69	63-66	66-69	63-66	66-69	63-66	
Dual Pull	X	X	X	X	X	X	X	X	X	
Multi Clamp Band	X	X	X	X	X	X	X	X	X	
Angled Adjust Bolt	-	-	-	-	-	-	-	-	-	
28.6mm	Cable route	Top	X(w/AdapterS)	X(w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
		Down	X(w/AdapterS)	X(w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)	X (w/AdapterS)
31.8mm	Cable route	Top	X(w/AdapterM)	X(w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
		Down	X(w/AdapterM)	X(w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)	X (w/AdapterM)
34.9mm	Cable route	Top	X	X	X	X	X	X	X	X
		Down	X	X	X	X	X	X	X	X
Front Clamp Band	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Zinc Plated
Rear Clamp Band (base bracket)	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Zinc Plated
BB Plate	Material	-	-	-	-	-	-	-	-	
Outer Link	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Painted	Painted	Painted	Painted	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated
Inner Link	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Chain Guide	Material	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
		Finish	Chrome plated	Chrome plated	Chrome plated	Chrome plated	Chrome Plated	Chrome Plated	Chrome Plated	Zinc Plated / Painted
Note										

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	XTR	XTR	SAINT	Deore XT	Deore XT	Deore XT	Deore XT
Model No.	SL-M980	SL-M980-I	SL-M810	ST-M775	ST-M770	SL-M770-10R	SL-M770
Lever Type	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Dual Control	Dual Control	Rapidfire Plus	Rapidfire Plus
Front	2 or 3-speed SIS	2 or 3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	-	3-speed SIS
Rear	10-speed DYNASYS	10-speed DYNASYS	9-speed SIS	9-speed SIS	9-speed SIS	10-speed DYNASYS	9-speed SIS
Multi Release	X	X	-	X	X	-	-
Instant Release	X	X	X	X	X	-	X
2-Way Release	X	X	X	-	-	X	X
SL Cable Adjust	X (carbon reinforced resin)	X (carbon reinforced resin)	X (alloy)	X	X	X	X
Optical Gear Display	-	-	-	-	X	X (removable)	X (removable)
Multi-Bearing Construction	R:4 L:4	R:4 L:4	R:2 L:2	R:1 L:3	R:1 L:3	R:2 L:2	R:2 L:2
SL Outer Casing	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed
Stainless SL Cable	X (PTFE)	X (PTFE)	X	X	X	X	X
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
SL Compatible RD Type	10-speed-RD DYNASYS	10-speed-RD DYNASYS	All 9-speed RD	All 9-speed RD	All 9-speed RD	10-speed-RD DYNASYS	All 9-speed RD
Note		Ispec Integration mounting system of BL and SL					

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	SLX	SLX	Deore LX	Deore LX	Deore	Deore	Alivio
Model No.	SL-M660-10R	SL-M660	ST-T660	SL-T660	ST-M590	SL-M590	ST-M430-L
Lever Type	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus
Front	-	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS
Rear	10-speed DYNASYS	9-speed SIS	9-speed SIS	9-speed SIS	9-speed SIS	9-speed SIS	9-speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	X	X	X	X	X	X	X
SL Cable Adjust	X	X	X	X	X	X	X
Optical Gear Display	X (removable)	X (removable)	X	X	X	X	X
Multi-Bearing Construction	R:- L:-	R:- L:-	R:- L:-	R:- L:-	R:- L:-	R:- L:-	-
SL Outer Casing	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP41 sealed	OT-SP40
Stainless SL Cable	X	X	X	X	X	X	Option
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	10-speed-RD DYNASYS	All 9-speed RD	All 9-speed RD	All 9-speed RD	All 9-speed RD	All 9-speed RD	MTB 9-speed RD
Note							black version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Alivio	Alivio	Acera	Acera
Model No.	ST-M430-S	SL-M430	ST-M410-L	ST-M410-NS	SL-M410	ST-M360-L-2A	ST-M360-S-2A
Lever Type	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus
Front	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS
Rear	9-speed SIS	9-speed SIS	8-speed SIS	8-speed SIS	8-speed SIS	8-speed SIS	8-speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	X	X	-	-	-	-	-
SL Cable Adjust	X	X	X	X	X	X	X
Optical Gear Display	X	X	Slide type /Above handlebar	Slide type /Above handlebar	Slide type /Above handlebar	X	X
Multi-Bearing Construction	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless SL Cable	Option	Option	Option	Option	Option	Option	Option
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	MTB 9-speed RD	MTB 9-speed RD	Top Normal	Top Normal	Top Normal	Top Normal	Top Normal
Note	silver version	floated OGD	Black version	Neutral Silver version		Black version	Silver version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Acera	Acera	Acera	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-M360-L-4A	ST-M360-S-4A	SL-M360	SL-M310-L	SL-M310-8R	SL-M310-7R	ST-EF60-8R (SL) 4A
Lever Type	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	EZ-fire Plus
Front	3-speed SIS	3-speed SIS	3-speed SIS	3-speed SIS	-	-	-
Rear	8-speed SIS	8-speed SIS	8-speed SIS	-	8-speed SIS	7-speed SIS	8 speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-
SL Cable Adjust	X	X	X	X	X	X	X
Optical Gear Display	X	X	X	X	X	X	Slide type
Multi-Bearing Construction	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless SL Cable	Option	Option	Option	Option	Option	Option	Option
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	Top Normal	Top Normal	Top Normal	-	Top Normal	Top Normal	Top Normal
Note	Black version	Silver version					*Silver Version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-EF60-7R (SL) 4A	ST-EF60-L (SL) 4A	ST-EF60-8R (SL) 2A	ST-EF60-7R (SL) 2A	ST-EF60-L (SL) 2A	ST-EF60-8R (LL) 4A	ST-EF60-7R (LL) 4A
Lever Type	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus
Front	-	3 speed SIS	-	-	3 speed SIS	-	-
Rear	7 speed SIS	-	8 speed SIS	7 speed SIS	-	8 speed SIS	7 speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-
SL Cable Adjust	X	X	X	X	X	X	X
Optical Gear Display	Slide type	Slide type	Slide type	Slide type	Slide type	Slide type	Slide type
Multi-Bearing Construction	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless SL Cable	Option	Option	Option	Option	Option	Option	Option
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	Top Normal	-	Top Normal	Top Normal	-	Top Normal	Top Normal
Note	*Silver Version	*Silver Version	*Silver Version	*Silver Version	*Silver Version	*Black Version	*Black Version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-EF60-L (LL) 4A	ST-EF60-8R (LL) 2A	ST-EF60-7R (LL) 2A	ST-EF60-L (LL) 2A	ST-EF51-8R(LL) 4A	ST-EF51-8R(SL) 4A	ST-EF51-7R(LL) 4A
Lever Type	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus
Front	3 speed SIS	-	-	3 speed SIS	-	-	-
Rear	-	8 speed SIS	7 speed SIS	-	8-speed SIS	8-speed SIS	7-speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-
SL Cable Adjust	X	X	X	X	-	-	-
Optical Gear Display	Slide type	Slide type	Slide type	Slide type	Dial type	Dial type	Dial type
Multi-Bearing Construction	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless SL Cable	Option	Option	Option	Option	-	-	-
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	-	Top Normal	Top Normal	-	Top Normal	Top Normal	Top Normal
Note	*Black Version	*Black Version	*Black Version	*Black Version	Black Version	Silver Version	Black Version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-EF51-7R(SL) 4A	ST-EF51-L(LL) 4A	ST-EF51-L(SL) 4A	ST-EF51-8R(LL) 2A	ST-EF51-8R(SL) 2A	ST-EF51-7R(LL) 2A	ST-EF51-7R(SL) 2A
Lever Type	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus
Front	-	3-speed SIS	3-speed SIS	-	-	-	-
Rear	7-speed SIS	-	-	8-speed SIS	8-speed SIS	7-speed SIS	7-speed SIS
Multi Release	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-
SL Cable Adjust	-	X	X	-	-	-	-
Optical Gear Display	Dial type	Dial type	Dial type	Dial type	Dial type	Dial type	Dial type
Multi-Bearing Construction	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40	OT-SP40
Stainless SL Cable	-	-	-	-	-	-	-
W/ CI-DECK	-	-	-	-	-	-	-
SL Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	Top Normal	-	-	Top Normal	Top Normal	Top Normal	Top Normal
Note	Silver Version	Black Version	Silver Version	Black Version	Silver Version	Black Version	Silver Version

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney
Model No.	ST-EF51-L(LL) 2A	ST-EF51-L(SL) 2A	ST-EF40-7R(LL) 2S	ST-EF40-6R(LL) 2S	ST-EF40-L(LL) 2S	SL-RS44-7R	SL-RS44-6R	SL-RS44-L	SL-RS44-LN
Lever Type	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	Revo Shift	Revo Shift	Revo Shift	Revo Shift
Front	3-speed SIS	3-speed SIS	-	-	3-speed SIS	-	-	3-speed SIS	Ratchet
Rear	-	-	7-speed SIS	6-speed SIS	-	7-speed SIS	6-speed SIS	-	-
Multi Release	-	-	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-	-	-
SL Cable Adjust	X	X	-	-	X	X	X	X	X
Optical Gear Display	Dial type	Dial type	Dial type	Dial type	Dial type	Window type with O.G.D light	Window type with O.G.D light	Window type with O.G.D light	Window type with O.G.D light
Multi-Bearing Construction	-	-	-	-	-	-	-	-	-
SL Outer Casing	OT-SP40	OT-SP40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Stainless SL Cable	-	-	-	-	-	-	-	-	-
W/ CI-DECK	-	-	-	-	-	Option	Option	Option	Option
SL Bracket	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	-	-	Top Normal	Top Normal	-	Top Normal	Top Normal	-	-
Note	Black Version	Silver Version	Black Version	Black Version	Black Version	with LED position light / for Japanese market only	with LED position light / for Japanese market only	with LED position light / for Japanese market only	with LED position light / for Japanese market only

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney
Model No.	SM-RS44-L	SL-RS43-8R	SL-RS43-7R	SL-RS43-6R	SL-RS43-L	SL-RS41A-8R	SL-RS41A-7R	SL-RS41A-L	SL-RS41-8R	SL-RS41-7R	SL-RS41-6R
Lever Type	-	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift
Front	-	-	-	-	3-speed SIS	-	-	3-speed SIS	-	-	-
Rear	-	8-speed SIS	7-speed SIS	6-speed SIS	-	8-speed SIS	7-speed SIS	-	8-speed SIS	7-speed SIS	6-speed SIS
Multi Release	-	-	-	-	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-	-	-	-	-
SL Cable Adjust	-	X	X	X	X	X	X	X	X	X	X
Optical Gear Display	-	Window type	Window type	Window type	Window type	Window type	Window type	Window type	Revolving type	Revolving type	Revolving type
Multi-Bearing Construction	-	-	-	-	-	-	-	-	-	-	-
SL Outer Casing	-	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Stainless SL Cable	-	-	-	-	-	-	-	-	-	-	-
W/ CI-DECK	-	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
SL Bracket	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
SL Compatible RD Type	-	Top Normal	Top Normal	Top Normal	-	Top Normal	Top Normal	-	Top Normal	Top Normal	Top Normal
Note	with LED position light / for Japanese market only										

Shift Lever (MTB) Specifications

[Return to Top Page](#)

Series	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney
Model No.	SL-RS41-L	SL-RS35-7R	SL-RS35-6R	SL-RS35-L	SL-RS35-LN	SL-TX50-7R	SL-TX50-6R	SL-TX50-L	SL-TX50-LN
Lever Type	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Revo Shift	Thumb Shifter Plus	Thumb Shifter Plus	Thumb Shifter	Thumb Shifter
Front	3-speed SIS	-	-	3-speed SIS	Ratchet	-	-	3-speed SIS	Ratchet
Rear	-	7-speed SIS	6-speed SIS	-	-	7-speed SIS	6-speed SIS	-	-
Multi Release	-	-	-	-	-	-	-	-	-
Instant Release	-	-	-	-	-	-	-	-	-
2-Way Release	-	-	-	-	-	-	-	-	-
SL Cable Adjust	X	-	-	X	X	-	-	X	X
Optical Gear Display	Revolving type	Revolving type	Revolving type	Revolving type	Revolving type	Window type	Window type	Window type	Window type
Multi-Bearing Construction	-	-	-	-	-	-	-	-	-
SL Outer Casing	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40	OT-SIS40
Stainless SL Cable	-	-	-	-	-	-	-	-	-
W/ CI-DECK	Option	Option	Option	Option	Option	-	-	-	-
SL Bracket	Material	Steel	Resin	Resin	Resin	Resin	Steel	Steel	Steel
	Finish	Painted	Resin	Resin	Resin	Resin	Painted	Painted	Painted
SL Compatible RD Type	-	Top Normal	Top Normal	-	-	Top Normal	Top Normal	-	-
Note									

Brake Lever (MTB) Specifications

[Return to Top Page](#)

Series	DXR	Deore XT	Deore XT	Deore XT	Deore LX	Deore LX	Deore LX	Deore	Deore	Deore
Model No.	BL-MX70	ST-M770	BL-M770	BL-M771	ST-T660	BL-T660	BL-M571	BL-M591	ST-M590	BL-M590
Brake Type	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake
Lever Size	2 finger	1.5 finger	1.5 finger	3 finger	3 finger	3 finger	1.5 finger	3 finger	3 finger	1.5 finger
Brake Cable Type	T-type	W-type	W-type	W-type	T-type	T-type	T-type	T-type	T-type	T-type
Power Adjuster	-	X	X	-	-	-	X	-	-	-
Servo-Wave Action	-	X	X	-	-	-	X	-	-	-
Reach Adjust	X	X	X	X	X	X	X	X	X	X
Cable Adjust	X	X	X	X	X	X	X	X	X	X
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Painted	Painted	Painted	Anodized	Anodized	Anodized	Anodized	Anodized
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Note	For BMX			Use w/Power Modulator	Use w/Power Modulator	Use w/Power Modulator		Use w/Power Modulator	Use w/ Power Modulator	

Brake Lever (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Alivio	Non-series	Acera	Acera	Acera
Model No.	ST-M430-L	ST-M430-S	ST-M410-L	ST-M410-NS	BL-M421	ST-M360-L-2A	ST-M360-S-2A	ST-M360-L-4A
Brake Type	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake	HRB/Canti brake V-brake*
Lever Size	2 finger	2 finger	2 finger	2 finger	2 finger	2 finger	2 finger	4 finger
Brake Cable Type	T-type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
Power Adjuster	-	-	-	-	-	-	-	-
Servo-Wave Action	-	-	-	-	-	-	-	-
Reach Adjust	X	X	X	X	X	X	X	X
Cable Adjust	X	X	X	X	X	X	X	X
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Barrel	Anodized	Barrel
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Note	black version	silver version	Black Version	Neutral Silver Version	Black Version, Silver Version	Black Version	Silver version	Black Version, *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible

Brake Lever (MTB) Specifications

[Return to Top Page](#)

Series	Acera	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-M360-S-4A	ST-EF60-7R (LL) 4A	ST-EF60-L (LL) 4A	ST-EF60-8R (LL) 2A	ST-EF60-7R (LL) 2A	ST-EF60-L (LL) 2A	ST-EF51-8R(LL) 4A
Brake Type	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	V-brake	V-brake	V-brake	HRB/Canti brake V-brake*
Lever Size	4 finger	4 finger	4 finger	2 finger	2 finger	2 finger	4 finger
Brake Cable Type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
Power Adjuster	-	-	-	-	-	-	-
Servo-Wave Action	-	-	-	-	-	-	-
Reach Adjust	X	X	X	X	X	X	X
Cable Adjust	X	X	X	X	X	X	X
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Barrel	Anodized	Anodized	Anodized	Anodized	Anodized
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Note	Silver version, *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	*Black Version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	*Black Version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	*Black Version	*Black Version	*Black Version	*Black Version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible

Brake Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-EF51-8R(SL) 4A	ST-EF51-7R(LL) 4A	ST-EF51-7R(SL) 4A	ST-EF51-L(LL) 4A	ST-EF51-L(SL) 4A	ST-EF51-8R(LL) 2A	ST-EF51-8R(SL) 2A	ST-EF51-7R(LL) 2A
Brake Type	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	HRB/Canti brake V-brake*	V-brake	V-brake	V-brake
Lever Size	4 finger	4 finger	4 finger	4 finger	4 finger	2 finger	2 finger	2 finger
Brake Cable Type	T-type	T-type	T-type	T-type	T-type	T-type	T-type	T-type
Power Adjuster	-	-	-	-	-	-	-	-
Servo-Wave Action	-	-	-	-	-	-	-	-
Reach Adjust	X	X	X	X	X	X	X	X
Cable Adjust	X	X	X	X	X	X	X	X
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Barrel	Anodized	Barrel	Anodized	Barrel	Anodized	Barrel
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Note	Silver version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	Black version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	Silver version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	Black version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	Silver version *V-brake and Mechanical Disc Brake must be used with power modulator. *INTER-M Compatible	*Black Version	*Silver Version	*Black Version

Brake Lever (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	ST-EF51-7R(SL) 2A	ST-EF51-L(LL) 2A	ST-EF51-L(SL) 2A	ST-EF40-7R(LL) 2S	ST-EF40-6R(LL) 2S	ST-EF40-L(LL) 2S
Brake Type	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake
Lever Size	2 finger	2 finger	2 finger	2 finger	2 finger	2 finger
Brake Cable Type	T-type	T-type	T-type	T-type	T-type	T-type
Power Adjuster	-	-	-	-	-	-
Servo-Wave Action	-	-	-	-	-	-
Reach Adjust	X	X	X	X	X	X
Cable Adjust	X	X	X	-	-	X
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Steel/Resin	Steel/Resin
	Finish	Barrel	Anodized	Barrel	-	-
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Note	*Silver Version	*Black Version	*Silver Version			

Brake (MTB) Specifications

[Return to Top Page](#)

Series	DXR	Deore XT	Deore LX	Deore	Deore	Non Series
Model No.	BR-MX70	BR-M770	BR-T660	BR-M590-L	BR-M590-S	BR-M432-L
Brake Type	V-brake	V-brake	V-brake	V-brake	V-brake	V-brake
Link Wire	-	-	-	-	-	-
Reinforced Link	-	-	-	-	-	-
Parallel Link	-	-	-	-	-	-
Power Modulator	-	-	-	-	-	-
Linear Spring	X	X	X	X	X	X
Threaded BR Shoe Post	X	X	X	X	X	X
Brake Shoe Type	Standard	S70C	S70C/M70R2	S70C	S70C	S70C
	Optional Choice	M70T3 M70T4	Shoe for ceramic coated rim M70R2 M70T3 M70T4	M70T3 M70T4	M70T3 M70T4 S70T	M70T3 M70T4 S70T
Arch Size	103mm	103mm	107mm	107mm	107mm	107mm
Fixing Bolt Length	16mm	16/25mm	16/25mm	16/25mm	16/25mm	16/25mm
Sleeve & Bushing Type	X	X	X	X	X	X
Lead Pipe Angle	45/90/135	45/90/135	45/90/135	45/90/135	45/90/135	45/90/135
Canti Lever /V-arm /Caliper	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized + laser marking	Painted	Painted
Cartridge Shoe Holder	X	X	X	X	X	X
Note	For BMX rear only			Black Version	Silver Version	Black Version

Brake (MTB) Specifications

[Return to Top Page](#)

Series	Non Series	Non-Series	Non-Series
Model No.	BR-M432-S	BR-M422-L	BR-M422-S
Brake Type	V-brake	V-brake	V-brake
Link Wire	-	-	-
Reinforced Link	-	-	-
Parallel Link	-	-	-
Power Modulator	-	-	-
Linear Spring	X	X	X
Threaded BR Shoe Post	X	X	X
Brake Shoe Type	Standard	S70C	S65T
	Optional Choice	M70R2	M65T3 M65T4
Arch Size	107mm	107mm	107mm
Fixing Bolt Length	16/25mm	16/25mm	16/25mm
Sleeve & Bushing Type	X	X	X
Lead Pipe Angle	45/90/135	45/90/135	45/90/135
Canti Lever /V-arm /Caliper	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Cartridge Shoe Holder	X	-	-
Note	Silver Version	Black Version	Silver Version

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Caliper

Series		XTR	SAINT	Deore XT	Deore XT	SLX	Deore LX
Model No.		BR-M985	BR-M810	BR-M775	BR-M776	BR-M665	BR-T665
Brake Type		Disc-Brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Recommended Brake Lever		BL-M988 BL-M985	BL-M810	ST-M775 BL-M775	ST-M775 BL-M775	BL-M665	BL-T665
Recommended Brake Rotor		*SM-RT98	SM-RT79 SM-RT76	SM-RT79 SM-RT76	SM-RT79 SM-RT76	SM-RT64	SM-RT64
Hydraulic or Mechanical		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Oil		Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral
Mount Type (available for IS mount with mount adapter)		Post-type	Post-type	Post-type	Post-type	Post-type	Post-type
Piston	Opposed 2-piston	X	-	X	X	X	X
	Opposed 4-piston	-	X	-	-	-	-
Caliper	Mono-body Caliper	X	-	X	X	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Painted	Painted	Painted	Painted	Painted
PAD	Standard	G01A Resin,F01A Resin	D02S Metal	A01S Resin	A01S Resin	A01S Resin	A01S Resin
	Option	G03Ti Metal,F03C Metal	D01S Resin	M06 Metal	M06 Metal	M06 Metal	M06 Metal
Hose		SM-BH90-SB	SM-BH80-SB	SM-BH59	SM-BH63	SM-BH59	SM-BH59
Note		*140mm for rear only			*for Banjo type joint		Deore LX Logo

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Caliper

Series		Non-Series	Deore	Non-Series	Non-Series	Non-Series	Non-Series
Model No.		BR-T605	BR-M595	BR-M575	BR-R505	BR-M495	BR-M445-L
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Recommended Brake Lever		BL-T605	BL-M595	BL-M575	For Road ST* BL-R770/R550	V-brake BL (1.5-2.5 finger)	BL-M445
Recommended Brake Rotor		SM-RT64	SM-RT62	*SM-RT53 SM-RT62	SM-RT62	SM-RT53 SM-RT51	SM-RT53 SM-RT53M SM-RT53L SM-RT51 SM-RT51M
Hydraulic or Mechanical		Hydraulic	Hydraulic	Hydraulic	Mechanical	Mechanical	Hydraulic
Oil		Shimano Mineral	Shimano Mineral	Shimano Mineral	-	-	Shimano Mineral
Mount Type (available for IS mount with mount adapter)		Post-type	Post-type	Post-type	Post-type	Post-type	Post-type
Piston	Opposed 2-piston	X	X	X	-	-	X
	Opposed 4-piston	-	-	-	-	-	-
Caliper	Mono-body Caliper	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
PAD	Standard	A01S Resin	A01S Resin	B01S Resin	M06 Metal	M08 Resin	B01S Resin
	Option	M06 Metal	M06 Metal	E01S Metal	-	-	-
Hose		SM-BH59	SM-BH59	SM-BH59	Cable	Cable	SM-BH59
Note		Shimano Logo	1 way oil routing	*For resin pad only Shimano Logo	not compatible with ST-7900, ST-6700, ST-5700		Shimano Logo, black version

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Caliper

Series		Non-Series	Non-Series	Non-Series	Non-Series
Model No.		BR-M445-S	BR-M445-W	BR-M416A-L	BR-M416A-S
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake
Recommended Brake Lever		BL-M445	BL-M445	V-brake BL (1.5-2.5 finger)	V-brake BL (1.5-2.5 finger)
Recommended Brake Rotor		SM-RT53 SM-RT53M SM-RT53L SM-RT51 SM-RT51M	SM-RT53 SM-RT53M SM-RT53L SM-RT51 SM-RT51M	SM-RT53 SM-RT53M SM-RT53L SM-RT51 SM-RT51M	SM-RT53 SM-RT53M SM-RT53L SM-RT51 SM-RT51M
Hydraulic or Mechanical		Hydraulic	Hydraulic	Mechanical	Mechanical
Oil		Shimano Mineral	Shimano Mineral	-	-
Mount Type (available for IS mount with mount adapter)		Post-type	Post-type	Post-type	Post-type
Piston	Opposed 2-piston	X	X	-	-
	Opposed 4-piston	-	-	-	-
Caliper	Mono-body Caliper	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted
PAD	Standard	B01S Resin	B01S Resin	B01S Resin	B01S Resin
	Option	-	-	-	-
Hose		SM-BH59	SM-BH59	Cable	Cable
Note		Shimano Logo, silver version	Shimano Logo, white version	Shimano Logo, black version	Shimano Logo, silver version

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Lever

Series		XTR	XTR	SAINT	Deore XT	Deore XT	SLX
Model No.		BL-M985	BL-M988	BL-M810	ST-M775	BL-M775A	BL-M665
Brake Type		Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake
Servo wave mechanism		-	X	X	X	X	X
Recommended Brake Caliper		BR-M985	BR-M985	BR-M810	BR-M775	BR-M775	BR-M665
Oil		Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral
Master Cylinder		X	X	X	X	X	X
Lever Size		1.5 finger	1.5 finger	1.5 finger	1.5 finger	1.5 finger	1.5 finger
Reach Adjust		X	Tool free	Tool free	Tool free	Tool free	Tool free
Open Clamp Band		X (1 bolt type)	X (1 bolt type)	-	-	-	-
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Brake Hose		SM-BH90-SB	SM-BH90-SB	SM-BH80-SB	SM-BH59	SM-BH59	SM-BH59
Note		I spec compatible, Integration mounting system of BL and SL	I spec compatible, Integration mounting system of BL and SL	Free stroke adjuster	Free stroke adjuster	Free stroke adjuster	

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Lever

Series	Deore LX	Non-Series	Deore	Non-Series	Non-Series	Non-Series
Model No.	BL-T665	BL-T605	BL-M595	BL-M575	BL-M505-L	BL-M505-S
Brake Type	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake
Servo wave mechanism	X	-	-	-	-	-
Recommended Brake Caliper	BR-T665	BR-T605	BR-M595	BR-M575	BR-M445	BR-M445
Oil	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral
Master Cylinder	X	X	X	X	X	X
Lever Size	3 finger	4 finger	1.5 finger	1.5 finger	1.5 finger	1.5 finger
Reach Adjust	X	X	Tool free	X	X	X
Open Clamp Band	-	-	X (1 bolt type)	X (2 bolts type)	X (1 bolt type)	X (1 bolt type)
Brake Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Brake Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted
Brake Hose	SM-BH59	SM-BH59	SM-BH59	SM-BH59	SM-BH59	SM-BH59
Note	Deore LX Logo	Shimano Logo		Shimano Logo, flip flop type BL, bleeding using funnel	Shimano Logo, black version	Shimano Logo, silver version

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Lever

Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	BL-M505-W	BL-M445-L	BL-M445-S	BL-M445-W
Brake Type	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake	Hydraulic Disc-brake
Servo wave mechanism	-	-	-	-
Recommended Brake Caliper	BR-M445	BR-M445	BR-M445	BR-M445
Oil	Shimano Mineral	Shimano Mineral	Shimano Mineral	Shimano Mineral
Master Cylinder	X	X	X	X
Lever Size	1.5 finger	2 finger	2 finger	2 finger
Reach Adjust	X	X	X	X
Open Clamp Band	X (1 bolt type)	-	-	-
Brake Lever	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
Brake Bracket	Material	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted
Brake Hose	SM-BH59	SM-BH59	SM-BH59	SM-BH59
Note	Shimano Logo, white version	Shimano Logo, black version, , bleeding using funnel	Shimano Logo, silver version, , bleeding using funnel	Shimano Logo, white version, , bleeding using funnel

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Rotor

Series		XTR	XTR	XTR	XTR	XTR	XTR	XTR	XTR
Model No.		SM-RT97L	SM-RT97M	SM-RT97	SM-RT97SS	SM-RT98-L	SM-RT98-M	SM-RT98-S	SM-RT98-SS
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Outside Diameter	203mm	X				X			
	180mm		X				X		
	160mm			X				X	
	140mm				X				X
Center Lock (standard size)		X	X	X	X	X	X	X	X
6bolt (PCD 44mm)		-	-	-	-	-	-	-	-
Alloy lock ring		X	X	X	X	X	X	X	X
Adapter	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized/ Polished	Anodized/ Polished	Anodized/ Polished	Anodized/ Polished	Painted	Painted	Painted	Painted
Rotor	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel/ Aluminum/ Stainless Steel	Stainless Steel/ Aluminum/ Stainless Steel	Stainless Steel/ Aluminum/ Stainless Steel	Stainless Steel/ Aluminum/ Stainless Steel
	Finish	Polished	Polished	Polished	Polished	Polished	Polished	Polished	Polished
Note		Check Suspension manufacturer for compatibility			For Rear Only	Ice technologies	Ice technologies	Ice technologies	Ice technologies For Rear Only

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Rotor

Series		SAINT/ Deore XT	SAINT/ Deore XT	SAINT/ Deore XT	Deore XT	Deore XT	Deore XT	Non-Series	Non-Series
Model No.		SM-RT79L	SM-RT79M	SM-RT79	SM-RT76	SM-RT76M	SM-RT76L	SM-RT80	SM-RT80S
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Outside Diameter	203mm	X					X	X	
	180mm		X			X			
	160mm			X	X				X
	140mm								
Center Lock (standard size)		X	X	X	-	-	-	(Oversized)	(Oversized)
6bolt (PCD 44mm)		-	-	-	X	X	X	-	-
Alloy lock ring		X	X	X	-	-	-	X	X
Adapter	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Anodized	Anodized
Rotor	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Finish	Polished	Polished	Polished	Polished	Polished	Polished	Polished	Polished
Note		Check Suspension manufacturer for compatibility							

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Rotor

Series		Non-Series	Non-Series	Non-Series	SLX	SLX	SLX	Non-Series	Non-Series
Model No.		SM-RT75S	SM-RT75MA	SM-RT75-DH	SM-RT64L	SM-RT64M	SM-RT64	SM-RT62	SM-RT62M
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Outside Diameter	203mm			X	X				
	180mm		X			X			X
	160mm	X					X	X	
	140mm								
Center Lock (standard size)		-	-	-	X	X	X	X	X
6bolt (PCD 44mm)		X	X	X	-	-	-	-	-
Alloy lock ring		-	-	-	-	-	-	-	-
Adapter	Material	-	-	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	-	-	Painted	Painted	Painted	Painted	Painted
Rotor	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Finish	Polished	Polished	Polished	Polished	Polished	Polished	Polished	Polished
Note				Check Suspension manufacturer for compatibility	Check Suspension manufacturer for compatibility				

Disc Brake (MTB) Specifications

[Return to Top Page](#)

Brake Rotor

Series		Non-Series	Non-Series	Non-Seires	Non-Seires	Non-Series	Non-Series
Model No.		SM-RT62L	SM-RT53	SM-RT53M	SM-RT53L	SM-RT51	SM-RT51-M
Brake Type		Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake	Disc-brake
Outside Diameter	203mm	X			X		
	180mm			X			X
	160mm		X			X	
	140mm						
Center Lock (standard size)		X	X	X	X	-	-
6bolt (PCD 44mm)		-	-	-	-	X	X
Alloy lock ring		-	-	-	-	-	-
Adapter	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish	Painted	Painted	Painted	Painted	-	-
Rotor	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Finish	Polished	Polished	Polished	Polished	Polished	Polished
Note		Check Suspension manufacturer for compatibility	For Resin Pad Only	For Resin Pad Only	For Resin Pad Only, Check Suspension manufacturer for compatibility	For Resin Pad Only	For Resin Pad Only

Hub Roller Brake Specifications

[Return to Top Page](#)

Series	NEXUS	NEXUS		NEXAVE	NEXAVE		NEXUS		NEXUS		NEXUS	
Model No.	BR-IM85	BR-IM80		BR-IM75	BR-IM70		BR-IM55		BR-IM50		BR-IM45	
	Front	Front	Rear	Front	Front	Rear	Front	Rear	Front	Rear	Front	Rear
Hub dynamo integration	-	-	-	-	-	-	-	-	-	-	-	-
Structure	Hyper	Hyper	Hyper	Hyper	Hyper	Hyper	Normal	Normal	Normal	Normal	Normal	Normal
Braking Power(*1)	1.5	1.5	1.5	1.3	1.3	1.3	1	1	1	1	1	1
Cooling Fin Diameter	150mm	150mm	150mm	150mm	150mm	150mm	140mm	140mm	130mm	130mm	120mm	120mm
Heat Dissipation (*1)	1.4	1.4	1.4	2.2	2.2	2.2	1.2	1.2	1.2	1.2	1	1
Without Cooling Fin	-	-	-	-	-	-	-	-	-	-	-	-
Inner Cable Quick Release	X	X	X	X	X	X	X	X	X	X	X	X
Disc Brake Mount Compatible	X	-	-	X	-	-	-	-	-	-	-	-
Note												

Performance index rating uses BR-IM41 brake unit as a reference value of 1. Testing condition ,

Hub Roller Brake Specifications

[Return to Top Page](#)

Series	NEXUS		Non-Series		NEXUS	
	BR-IM41		BR-IM35		BR-IM31	
	Front	Rear	Front	Rear	Front	Rear
Hub dynamo integration	-	-	-	-	-	-
Structure	Normal	Normal	Normal	Normal	Normal	Normal
Braking Power(*1)	1	1	1	1	1	1
Cooling Fin Diameter	90mm	100mm	160mm	160mm	90mm	90mm
Heat Dissipation (*1)	1	1	1.2	1.2	1	Less than 1
Without Cooling Fin	-	-	-	-	Available	Available
Inner Cable Quick Release	X	X	-	-	-	-
Disc Brake Mount Compatible	-	-	-	-	-	-
Note						

Performance ind









Power Modulator (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	SM-PM70	SM-PM60	SM-PM50	SM-PM40
Available Lead Pipe Angle	90°/ 135°	-	-	90°/ 135°
Body Material	Aluminum	Aluminum	Aluminum	Aluminum
Body Finish	Anodized + laser marking	Barrel and Sticker	Barrel and Printed	Barrel and Sticker
Lead Pipe Material	Stainless Steel	-	-	Stainless Steel
Compatible Brake	Any Shimano V-brake without power modulator	Any Shimano V-brake (Except:BRT400/T300)	Any Shimano Mechanical Disc Brake	Any Shimano V-brake without power modulator
Compatible BL	Any Shimano V-brake Lever without power modulator	Any Shimano V-brake Lever (Except:BL-C900/C600)	Any Shimano V-brake Lever without power modulator	Any Shimano V-brake Lever without power modulator
Note		Black Version	Silver Version	Black, Red or Blue Version




Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	XTR	XTR	XTR	XTR	XTR	SAINT	SAINT	SAINT
Model No.	FC-M980	FC-M980	FC-M985	FC-M985	FC-M985	FC-M815-2	FC-M815-1	FC-M810-2
Rear Speeds	10	10	10	10	10	9	9	9
Chainring Combination	42-32-24T	38-26T	40-28T	42-30T	44-30T	36-22T	34/36/38/40/42T	36-22T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64mm	104/64mm	88mm	88mm	88mm	104/64mm	104/64mm	104/64mm
Crank Arm Length	160mm	-	-	-	-	-	-	-
	165mm	X	X	-	-	X	X	X
	167.5mm	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X
	172.5mm	-	-	X	X	X	-	-
	175mm	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-
180mm	X	X	X	X	X	-	-	
Chain	HG-X 10 speed	HG-X 10 speed	HG-X 10 speed	HG-X 10 speed	HG-X 10 speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket (*press fit type option is available)	SM-BB90-A	SM-BB90-A	SM-BB90-A	SM-BB90-A	SM-BB90-A	SM-BB80	SM-BB80	SM-BB80
Axle Length	Chain Line 47.5							
	Chain Line 50	chain line 50mm	chain line 46.8mm	chain line 48.8mm	chain line 48.8mm	chain line 48.8mm	Chain Line 54.3	Chain Line 57.9
	Chain Line 47.5+†							
With Crank Fixing Bolt	X	X	X	X	X	X	X	X
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-
Optional Chain Guard	-	-	-	-	-	Bash guard	Bash guard	Bash guard
Hollowtech II technology	X 	X 	X 	X 	X 	X 	X 	X 
2-piece crank construction	X	X	X	X	X	X	X	X
Hollowtech Crank Arm	X	X	X	X	X	X	X	X
OCTALINK technology	-	-	-	-	-	-	-	-
One-key Release	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	-	-	-	-	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Spider Arm	Material	-	-	-	-	-	Aluminum	Aluminum
	Finish	-	-	-	-	-	Painted	Painted
Spider Arm Cover	Material	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-
Outer Ring	Material	Aluminum	-	Aluminum	Aluminum	Aluminum	-	-
	Finish	Painted/Plated	-	Painted/Plated	Painted/Plated	Painted/Plated	-	-
Middle Ring	Material	Titanium/Carbon composite	Aluminum	-	-	-	Aluminum	Aluminum
	Finish	Shot Blasting	Painted/Plated	-	-	-	Plated	Anodized
Inner Ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum
	Finish	Plated	Plated	Plated	Plated	Plated	-	Plated
Important notice; If using a chaincase, select a BB-O000(K). If using an E-type FD, select a BB-O000(E)						Double chain rings 83mm BB shell width	Single chain ring 83mm BB shell width	Double chain rings 68/73mm BB shell width

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	SAINT	DXR	Deore XT	Deore XT	Deore XT	SLX	SLX	SLX	SLX
Model No.	FC-M810-1	FC-MX71	FC-M770-10	FC-M770	FC-M771-K	FC-M660-10	FC-M660	FC-M660	FC-M665
Rear Speeds	9	1	10	9	9	10	9	9	9
Chainring Combination	34/36/38/40/42T	34/38/41/42/43/44/46T	42-32-24T	44-32-22T	48-36-26T	42-32-24T	44-32-22T	48-36-26T	36-22T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm
Crank Arm Length	160mm	-	-	-	-	-	-	-	-
	165mm	X	X	X	X	X	X	X	X
	167.5mm	-	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-	-
180mm	-	X	X	X	X	-	-	-	
Chain	Super Narrow HG for 9-speed	1/2" x 3/32"	HG-X 10 speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	HG-X 10 speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket (*press fit type option is available)	SM-BB80	Included	SM-BB70	SM-BB70*	SM-BB70	SM-BB70	SM-BB70*	SM-BB70*	SM-BB70*
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-	-
	Chain Line 50	Chain Line 50.4	Chain Line 44	chain line 50mm	X	X	chain line 50mm	X	X
	Chain Line 47.5+t	-	-	-	-	-	-	-	Chain line 46.8mm**
With Crank Fixing Bolt	X	X	-	-	-	-	-	-	-
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-	-
Optional Chain Guard	Bash guard	-	-	-	X	-	-	X	Bash guard
Hollowtech II technology	X 	X 	X 	X 	X 	X 	X 	X 	X 
2-piece crank construction	X	X	X	X	X	X	X	X	X
Hollowtech Crank Arm	X	X	X	X	X	X	X	X	X
OCTALINK technology	-	-	-	-	-	-	-	-	-
One-key Release	-	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	-	-	-	-	X	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Spider Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Anodized	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm Cover	Material	-	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-	-
Outer Ring	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-
	Finish	-	Anodized	Twice Anodized	Twice Anodized	Anodized	Anodized	Anodized	-
Middle Ring	Material	Aluminum	-	Steel/Carbon Composite	Steel/Carbon Composite	Aluminum	Steel/GF composite	Steel/GF composite	Aluminum
	Finish	Anodized	-	Plated	Plated	Plated	Plated	Plated	Plated
Inner Ring	Material	-	-	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel
	Finish	-	-	Plated	Plated	Plated	Painted	Painted	Painted
Important notice; If using a chaincase, select a BB-0000(K). If using an E-type FD, select a BB-0000(E)	Single chain ring 68/73mm BB shell width	BMX racing 68mm BB shell width							**36T and 22T position are same as FC-M660 (triple)

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Deore LX	Deore LX	Deore	Deore	Shimano	Shimano	Shimano	Non-Series
Model No.	FC-T661	FC-T661	FC-M591	FC-M590	FC-M552-L	FC-M552-S	FC-M545	FC-M543-LK
Rear Speeds	9	9	9	9	10	10	9	9
Chainring Combination	44-32-22T	48-36-26T	44-32-22T/48-36-26T	44-32-22T/48-36-26T	42-32-24T	42-32-24T	36-22T	44-32-22T 48-36-26T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64mm	104/64
Crank Arm Length	160mm	-	-	-	-	-	-	-
	165mm	-	-	-	-	-	-	-
	167.5mm	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	HG-X 10-speed	HG-X 10-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket (*press fit type option is available)	SM-BB70	SM-BB70	SM-BB51	SM-BB51*	SM-BB51	SM-BB51	SM-BB50	SM-BB50
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-
	Chain Line 50	X	X	X	X	chain line 50mm	chain line 50mm	Chain line 46.8mm**
	Chain Line 47.5+t	-	-	-	-	-	-	-
With Crank Fixing Bolt	-	-	-	-	-	-	-	-
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-
Optional Chain Guard	X	X	X	X	-	-	Bash guard	X
Hollowtech II technology	X 	X 	-	-	-	-	-	-
2-piece crank construction	X	X	X	X	X	X	X	X
Hollowtech Crank Arm	X	X	-	-	-	-	-	-
OCTALINK technology	-	-	-	-	-	-	-	-
One-key Release	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	X	X	X	-	-	-	-	X
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm	Material	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-
Spider Arm Cover	Material	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-
Outer Ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	-	-	Twice Anodized
Middle Ring	Material	Steel/GF composite	Aluminum	Steel	Steel	Steel/GF	Steel/GF	Aluminum
	Finish	Plated	Plated	Painted	Painted	composite	composite	Plated
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Important notice; If using a chaincase, select a BB-O000(K). If using an E-type FD, select a BB-O000(E)	4 arm integrated crank arm	4 arm integrated crank arm			Black version	Silver version	**36T and 22T position are same as FC-M660 (triple)	Black Version Shimano logo

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Non-Series	Non-Series	Non-Series	Non Series	Non Series	Alivio	Alivio	Alivio
Model No.	FC-M543-SK	FC-M542-L	FC-M542-S	FC-M521-L	FC-M521-S	FC-M430-L	FC-M430-S	FC-M431-L
Rear Speeds	9	9	9	9	9	9	9	9
Chainring Combination	44-32-22T 48-36-26T	44-32-22T	44-32-22T	44-32-22T/ 48-36-26T	44-32-22T/ 48-36-26T	44-32-22T	44-32-22T	44-32-22T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64
Crank Arm Length	160mm	-	-	-	-	-	-	-
	165mm	-	-	-	-	-	-	-
	167.5mm	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket (*press fit type option is available)	SM-BB50	SM-BB50*	SM-BB50*	BB-ES25-AK / BB-ES25-E	BB-ES25-AK / BB-ES25-E	BB-UN26(-E)	BB-UN26(-E)	BB-UN26(-K)
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-
	Chain Line 50	X	X	X	121-AK / 121-E*	121-AK / 121-E*	LL113(-E)	LL113(-E)
	Chain Line 47.5+t	-	-	-	-	-	-	-
With Crank Fixing Bolt	-	-	-	X	X	X	X	X
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-
Optional Chain Guard	X	X	X	X	X	X	X	X
Hollowtech II technology	-	-	-	-	-	-	-	-
2-piece crank construction	X	X	X	-	-	-	-	-
Hollowtech Crank Arm	-	-	-	X	X	-	-	-
OCTALINK technology	-	-	-	X	X	-	-	-
One-key Release	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	X	-	-	X	X	-	-	X
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm	Material	-	-	-	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	-	-	Painted	Painted	Painted	Painted
Spider Arm Cover	Material	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-
Outer Ring	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Twice Anodized	Twice Anodized	Twice Anodized	Anodized	Anodized	Painted	Painted
Middle Ring	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated	Plated
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated	Plated
Important notice; If using a chaincase, select a BB-0000(K). If using an E-type FD, select a BB-0000(E)	Silver Version Shimano logo	Black Version Shimano logo	Silver Version Shimano logo	Black Version, * In case of no chain case used, 68mm shell width: 121 also can be used, 73mm BB shell width : 121 must be used	Silver Version, * In case of no chain case used, 68mm shell width: 121 also can be used, 73mm BB shell width : 121 must be used	Black Version, SHIMANO logo	Silver Version, SHIMANO logo	Black Version, chain case compatible, SHIMANO logo

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio
Model No.	FC-M431-S	FC-M430-8-L	FC-M430-8-L	FC-M430-8-S	FC-M431-8-L	FC-M431-8-S	FC-M431-L	FC-M431-S
Rear Speeds	9	9	9	9	9	9	9	9
Chainring Combination	44-32-22T	44-32-22T	44-32-22T	44-32-22T	44-32-22T	44-32-22T	48-36-26T	48-36-26T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64
Crank Arm Length	160mm	-	-	-	-	-	-	-
	165mm	-	-	-	-	-	-	-
	167.5mm	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket (*press fit type option is available)	BB-UN26(-K)	BB-ES25(-E)	BB-ES25(-E)	BB-ES25(-E)	BB-ES25(-K)	BB-ES25(-K)	BB-UN26(-K)	BB-UN26(-K)
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-
	Chain Line 50	LL123(-K)	118(-E)	118(-E)	118(-E)	126(-K)	126(-K)	LL123(-K)
	Chain Line 47.5+t	-	-	-	-	-	-	-
With Crank Fixing Bolt	X	X	X	X	X	X	X	X
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-
Optional Chain Guard	X	X	X	X	X	X	X	X
Hollowtech II technology	-	-	-	-	-	-	-	-
2-piece crank construction	-	-	-	-	-	-	-	-
Hollowtech Crank Arm	-	-	-	-	-	-	-	-
OCTALINK technology	-	X	X	X	X	X	-	-
One-key Release	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	X	-	-	-	X	X	X	X
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm Cover	Material	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-
Outer Ring	Material	Steel	Steel	Aluminum	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Anodized	Painted	Painted	Painted	Painted
Middle Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Painted	Plated	Plated	Plated	Plated
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Painted	Plated	Plated	Plated	Plated
Important notice; If using a chaincase, select a BB-0000(K). If using an E-type FD, select a BB-0000(E)	Silver Version, chain case compatible, SHIMANO logo	Black version, octalink, SHIMANO / ALIVIO logo	Black version, octalink, with alloy outer chain ring, SHIMANO logo	Silver version, octalink, SHIMANO / ALIVIO logo	Black version, octalink, chain case compatible, SHIMANO / ALIVIO logo	Silver version, octalink, chain case compatible, SHIMANO / ALIVIO logo	Black Version, chain case compatible, SHIMANO logo	Silver Version, chain case compatible, SHIMANO logo

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio	Alivio
Model No.	FC-M431-8-L	FC-M431-8-S	FC-M411-L	FC-M411-S	FC-M411-L	FC-M411-S	FC-M410-L	FC-M410-S	FC-M410-8-L	FC-M410-8-S
Rear Speeds	9	9	8/7	8/7	8/7	8/7	8/7	8/7	8/7	8/7
Chainring Combination	48-36-26T	48-36-26T	48-38-28T	48-38-28T	42-32-22T	42-32-22T	42-32-22T	42-32-22T	42-32-22T	42-32-22T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64	104/64
Crank Arm Length	160mm	-	-	-	-	-	-	-	-	-
	165mm	-	-	-	-	-	-	-	-	-
	167.5mm	-	-	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-	-	-
	180mm	-	-	-	-	-	-	-	-	-
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	HG	HG	HG	HG	HG	HG	HG	HG
Bottom Bracket (*press fit type option is available)	BB-ES25(-K)	BB-ES25(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-E)	BB-UN26(-E)	BB-ES25(-E)	BB-ES25(-E)
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-	-	-
	Chain Line 50	126(-K)	126(-K)	LL123(-K)	LL123(-K)	LL123(-K)	LL123(-K)	LL113(-E)	LL113(-E)	118(-E)
	Chain Line 47.5+t	-	-	-	-	-	-	-	-	-
With Crank Fixing Bolt	X	X	X	X	X	X	X	X	X	X
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-	-	-
Optional Chain Guard	X	X	X	X	X	X	X	X	X	X
Hollowtech II technology	-	-	-	-	-	-	-	-	-	-
2-piece crank construction	-	-	-	-	-	-	-	-	-	-
Hollowtech Crank Arm	-	-	-	-	-	-	-	-	-	-
OCTALINK technology	X	X	-	-	-	-	-	-	X	X
One-key Release	-	-	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	X	X	X	X	X	X	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm Cover	Material	-	-	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-	-	-
Outer Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Middle Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated	Plated	Plated	Plated
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Plated	Plated	Plated	Plated	Plated	Plated
Important notice; If using a chaincase, select a BB-O000(K). If using an E-type FD, select a BB-O000(E)	Black version, octalink, chain case compatible, SHIMANO / ALIVIO logo	Silver version, octalink, chain case compatible, SHIMANO / ALIVIO logo	Black Version For chaincase t=1.8mm	Neutral Silver Version For chaincase t=1.8mm	Black Version For chaincase t=1.8mm	Neutral Silver Version For chaincase t=1.8mm	Black Version	Neutral Silver Version	Black Version Octalink	Neutral Silver Version Octalink

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Acera	Acera	Acera	Acera	Acera	Acera	Altus	Altus	Altus	Altus
Model No.	FC-M361-L	FC-M361-S	FC-M361-L	FC-M361-S	FC-M361-8-L	FC-M361-8-S	FC-M311-L	FC-M311-S	FC-M311-L	FC-M311-S
Rear Speeds	8/7	8/7	8/7	8/7	8/7	8/7	8/7	8/7	8/7	8/7
Chainring Combination	42-32-22T	42-32-22T	48-38-28	48-38-28	42-32-22T	42-32-22T	42-32-22T	42-32-22T	48-38-28	48-38-28
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	104/64	104/64	104/64	104/64	104/64	104/64	Rivitted	Rivitted	Rivitted	Rivitted
Crank Arm Length	160mm	-	-	-	-	-	-	-	-	-
	165mm	-	-	-	-	-	-	-	-	-
	167.5mm	-	-	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	-	-	-
Chain	HG	HG	HG	HG	HG	HG	HG	HG	HG	HG
Bottom Bracket (*press fit type option is available)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-ES25(-K)	BB-ES25(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)
Axle Length	Chain Line 47.5	-	-	-	-	-	-	-	-	-
	Chain Line 50	LL123(-K)	LL123(-K)	LL123(-K)	LL123(-K)	126(-K)	126(-K)	LL123(-K)	LL123(-K)	LL123(-K)
	Chain Line 47.5+t	-	-	-	-	-	-	-	-	-
With Crank Fixing Bolt	X	X	X	X	X	X	X	X	X	X
Fixing Nut Type BB compatible	-	-	-	-	-	-	-	-	-	-
Optional Chain Guard	X	X	X	X	X	X	X	X	X	X
Hollowtech II technology	-	-	-	-	-	-	-	-	-	-
2-piece crank construction	-	-	-	-	-	-	-	-	-	-
Hollowtech Crank Arm	-	-	-	-	-	-	-	-	-	-
OCTALINK technology	-	-	-	-	X	X	-	-	-	-
One-key Release	-	-	-	-	-	-	-	-	-	-
Chain Case Compatible Crank	X	X	X	X	X	X	X	X	X	X
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Spider Arm	Material	-	-	-	-	-	-	-	-	-
	Finish	-	-	-	-	-	-	-	-	-
Spider Arm Cover	Material	-	-	-	-	-	Resin	Resin	Resin	Resin
	Finish	-	-	-	-	-	Resin	Resin	Resin	Resin
Outer Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Middle Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Plated	Plated	Plated	Plated
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted	Plated	Plated	Plated	Plated
Important notice; If using a chaincase, select a BB-O000(K). If using an E-type FD, select a BB-O000(E)	Black Version	Silver Version	Black Version	Silver Version	Black Version, Octalink	Silver Version, Octalink	Black Version	Silver Version	Black Version	Silver Version

Front Chainwheel (MTB) Specifications

[Return to Top Page](#)

Series	Altus	Altus	Non-series	Non-series	Non series	Non series
Model No.	FC-M311-8-L	FC-M311-8-S	FC-M171	FC-M171	FC-M131	FC-M131
Rear Speeds	8/7	8/7	8/7/6	8/7/6	8/7/6	8/7/6
Chainring Combination	42-32-22T	42-32-22T	42-34-24T	48-38-28T	42-34-24T	48-38-28T
Spider or Gear Arm	4arm	4arm	4arm	4arm	4arm	4arm
PCD (mm)	Riveted	Riveted	Riveted	Riveted	Riveted	Riveted
Crank Arm Length	160mm	-	-	-	-	-
	165mm	-	-	-	-	-
	167.5mm	-	-	-	-	-
	170mm	X	X	X	X	X
	172.5mm	-	-	-	-	-
	175mm	X	X	-	-	-
	177.5mm	-	-	-	-	-
	180mm	-	-	-	-	-
Chain	HG	HG	HG/UG	HG/UG	HG/UG	HG/UG
Bottom Bracket (*press fit type option is available)	BB-ES25(-K)	BB-ES25(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)	BB-UN26(-K)
Axle Length	Chain Line 47.5	-	-	D-NL	D-NL	D-NL
	Chain Line 50	126(-K)	126(-K)	-	-	-
	Chain Line 47.5+t	-	-	D-NL K	D-NL K	D-NL K
With Crank Fixing Bolt	X	X	-	-	-	
Fixing Nut Type BB compatible	-	-	X	X	X	
Optional Chain Guard	X	X	X	X	X	
Hollowtech II technology	-	-	-	-	-	
2-piece crank construction	-	-	-	-	-	
Hollowtech Crank Arm	-	-	-	-	-	
OCTALINK technology	X	X	-	-	-	
One-key Release	-	-	-	-	-	
Chain Case Compatible Crank	X	X	X	X	X	
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Polished
Spider Arm	Material	-	-	-	-	-
	Finish	-	-	-	-	-
Spider Arm Cover	Material	Resin	Resin	Resin	Resin	Resin
	Finish	Resin	Resin	Resin	Resin	Resin
Outer Ring	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Painted	Painted	Painted	Painted	Painted
Middle Ring	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Painted	Painted	Painted
Inner Ring	Material	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Painted	Painted	Painted
Important notice; If using a chaincase, select a BB-O000(K). If using an E-type FD, select a BB-O000(E)	Black Version, Octalink	Silver Version, Octalink	4arm	4arm	4arm	4arm

Bottom Bracket (MTB Otalink, Square type) Specifications

[Return to Top Page](#)

Model No.		BB-ES25	BB-ES25-E	BB-ES25-AK	BB-UN26	BB-UN26-E	BB-UN26-K
Cartridge Type BB /E-type		-	X	-	-	X	-
For Chain Case		-	-	X	-	-	X
Spindle	Hollow Pipe	X	X	X	-	-	-
	Splined Spindle	X	X	X	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
<Axle Length>	<BB Shell>						
Hollowtech II	83mm (BC1.37)	-	-	-	-	-	-
	68mm (BC1.37)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
112.5mm	68mm (BC1.37)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
116mm	68mm (BC1.37)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
MM110	68mm (BC1.37)	-	-	-	X	X	X
	70mm (M36)	-	-	-	X	-	-
	73mm (BC1.37)	-	-	-	X	-	-
LL113	68mm (BC1.37)	-	-	-	X	X	-
	70mm (M36)	-	-	-	X	-	-
	73mm (BC1.37)	-	-	-	X	X	-
113	68mm (BC1.37)	X	X	-	-	-	-
	70mm (M36)	X	-	-	-	-	-
	73mm (BC1.37)	X	-	-	-	-	-
YL117	68mm (BC1.37)	-	-	-	X* (CL:47.5) X (CL:45)	X* (CL:47.5)	X* (CL:47.5)
	-	-	-	-	-	-	-
117.5	68mm (BC1.37)	-	-	-	X	-	X
118	68mm (BC1.37)	X	X	-	-	-	-
	70mm (M36)	X	-	-	-	-	-
	73mm (BC1.37)	X	X	-	-	-	-
XL118	68mm (BC1.37)	-	-	-	-	-	-
	70mm (M36)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
121	68mm (BC1.37)	X	X	X*	-	-	-
	70mm (M36)	-	-	-	-	-	-
	73mm (BC1.37)	X	X	-	-	-	-
126	68mm (BC1.37)	X	X	-	-	-	-
	73mm (BC1.37)	X	X	-	-	-	-
	68mm (BC1.37)	-	-	-	X*	-	X*
D-NL (122.5mm)	70mm (M36)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
	68mm (BC1.37)	-	-	-	X*	-	-
D-EL (127.5mm)	70mm (M36)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
	68mm (BC1.37)	-	-	-	-	-	-
YL116	70mm (M36)	-	-	-	-	-	-
	73mm (BC1.37)	-	-	-	-	-	-
ZL121	73mm (BC1.37)	-	-	-	-	-	
ZL122	73mm (BC1.37)	-	-	-	-	-	
LL123	68mm (BC1.37)	-	-	-	X	X	X (t=1.8)
	70mm (M36)	-	-	-	X	-	-
	73mm (BC1.37)	-	-	-	-	X	-
123SP	68mm (BC1.37)	-	-	-	X	-	-
130	68mm (BC1.37)	-	-	-	X	-	-
Note				* with 1.8mm spacer version also available for FC-M521	*w/FixingBolts	*w/FixingBolts	*w/FixingBolts

Freehub (MTB) Specifications(Standard /Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		DXR	Deore XT	Deore LX	Deore	Non-Series	Non-Series
Model No.		FH-MX71	FH-M770-S	FH-T660	FH-M590	FH-M430-L	FH-M430-S
Spoke Holes	24H	-	-	-	-	-	-
	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	X	X	X
	40/48H	-	-	-	-	-	-
	Hole PCD (mm)	45	44/45(Left/Right)	45	45	45	45
Freehub Body	Speeds	1	8/9	8/9	8/9	8/9	8/9
	11T compatible	-	X	X	X	X	X
	Quick Engagement	360/36	360/36	-	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
O.L.D. (mm)	130	-	-	-	-	-	-
	135	-	X	X	X	X	X
	Others	112	-	-	-	-	-
Flange Diameter (mm)		53.8	52.8/ 53.8 (L/R)	53.8	53.8	53.8	53.8
Flange Distance(mm)		57.4	57.4	59.2	59.2	59.2	59.2
Dish(mm)		0	6.6	7.6	7.8	7.8	7.8
Axle(QR type)	QR Skewer	-	168/173	168/173mm	168/173mm	168	168
	Length	-	146(M10)	146mm(M10)	146mm(M10)	146(M10)	146(M10)
	Diameter(mm)	-	14	10	10	10	10
	Material	-	Aluminum	Steel	Steel	Steel	Steel
Axle(Nut type)	Length	-	-	-	-	-	-
	Material	Steel	-	-	-	-	-
Seal	Hub	X	X	X	X	X	X
	Freewheel	X	X	X	X	X	X
Internal Grease Sleeve		X	X	X	X	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick Release Lever	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	Anodized	Anodized	Anodized	Barrel	Barrel
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	X	X
	Cup Races	X*	-	-	-	-	-
Stainless Steel Ball Bearings		X	-	-	-	-	-
Thread for Drum Brake (BC1.37X24)		-	-	-	-	-	-
Note		For BMX *Super Finishing	Silver Version		Light weight FH body	Black Version, SHIMANO logo	Silver Version SHIMANO logo

Freehub (MTB) Specifications(Standard /Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.		FH-RM60-8-QR	FH-RM30-8-QR	FH-RM30-8-NT	FH-RM30-7-QR	FH-RM30-7-NT	FH-HF08
Spoke Holes	24H	-	-	-	-	-	-
	28H	-	-	-	-	-	-
	32H	X	X	X	-	-	-
	36H	X	X	X	X	X	-
	40/48H	-	-	-	-	-	X
	Hole PCD (mm)	45	45	45	45	45	62.5
Freehub Body	Speeds	8/9	8/9	8/9	7	7	8/9
	11T compatible	X	X	X	X	X	X
	Quick Engagement	-	-	-	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
O.L.D. (mm)	130	-	-	-	X	X	-
	135	X	X	X	X	X	-
	Others	-	-	-	-	-	145
Flange Diameter (mm)		53.8	53.8	53.8	53.8	53.8	72
Flange Distance(mm)		59.2	59.2	59.2	59.2	59.2	54.0
Dish(mm)		7.3	7.7	7.7	135mm:5.5mm	135mm:5.5mm	2.5
Axle(QR type)	QR Skewer	166	166	-	161/166	-	178
	Length	146(M10)	146(M10)	-	141/146(M10)	-	156(M10)
	Diameter(mm)	10	10	10	10	10	10
	Material	Steel	Steel	-	Steel	-	Steel
Axle(Nut type)	Length	-	-	185mm(M10)	-	180/185mm(M10)	-
	Material	-	-	Steel	-	Steel	-
Seal	Hub	X	-	-	-	-	X
	Freewheel	X	-	-	-	-	X
Internal Grease Sleeve		-	-	-	-	-	-
Hub Shell	Material	Aluminum/1pcs	Aluminum/2pcs	Aluminum/2pcs	Aluminum/2pcs	Aluminum/2pcs	Aluminum
	Finish	Machined	Shiny	Shiny	Shiny	Shiny	Anodized
Quick Release Lever	Material	Steel	Steel	-	Steel	-	Aluminum
	Finish	Chrome Plated	Chrome Plated	-	Chrome Plated	-	Anodized
CBN (Cubic Boron Nitride)	Cone Races	-	-	-	-	-	X
	Cup Races	-	-	-	-	-	-
Stainless Steel Ball Bearings		-	-	-	-	-	-
Thread for Drum Brake (BC1.37X24)		-	-	-	-	-	X
Note		Black Hub Shell Available	Black Hub Shell Available	Black Hub Shell Available	Black Hub Shell Available	Black Hub Shell Available	For tandem bicycle

Freehub (MTB) Specifications(Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		XTR	XTR	SAINT	SAINT	Deore XT	Deore XT	Deore XT	Deore XT
Model No.		FH-M985	FH-M988	FH-M815	FH-M810	FH-M775-L	FH-M775-S	FH-M756-L	FH-M756-S
Spoke Holes	24H	-	-	-	-	-	-	-	-
	28H	-	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X	X
	36H	-	-	X	X	X	X	X	X
	40/48H	-	-	-	-	-	-	-	-
	Hole PCD (mm)	44/45(L/R)	44/45(L/R)	44/45mm	44/45mm	44/45(L/R)	44/45(L/R)	61	61
Freehub Body	Speeds	8/9/10	8/9/10	8/9	8/9	8/9/10	8/9/10	8/9/10	8/9/10
	11T compatible	X	X	X	X	X	X	X	X
	Quick Engagement	360/36	360/36	360/36	360/36	360/36	360/36	-	-
	Material	Titanium	Titanium	Steel	Steel	Steel	Steel	Steel	Steel
O.L.D. (mm)	130	-	-	-	-	-	-	-	-
	135	X	-	-	X	X	X	X	X
	Others	-	142	150	-	-	-	-	-
Flange Diameter (mm)		52.8/ 53.8 (L/R)	52.8/ 53.8 (L/R)	52.8/53.8(L/R)	52.8/53.8(L/R)	52.8/ 53.8 (L/R)	52.8/ 53.8 (L/R)	70.6	70.6
Flange Distance(mm)		57.4	57.4	72.4	57.4	57.4	57.4	57.1	57.1
Dish(mm)		6.6	6.6	6.6	6.6	6.6	6.6	6.8	6.8
Axle(QR type)	QR Skewer Length(mm)	168/173	-	-	-	168/173	168/173	168/173	168/173
	Length(mm)	146(M10)	-	-	-	146(M10)	146(M10)	146(M10)	146(M10)
	Diameter(mm)	14	-	-	-	14	14	10	10
	Material	Aluminum	-	-	-	Aluminum	Aluminum	Steel	Steel
Axle(Nut type)	Length	-	171mm(φ12)*	183mm(φ12)*	168mm(φ12/10)*	-	-	-	-
	Material	-	Aluminum	Steel	Steel	-	-	-	-
Seal	Hub	X	X	X	X	X	X	X	X
	Freewheel	X	X	X	X	X	X	X	X
Internal Grease Sleeve		X	X	X	X	X	X	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick Release Lever	Material	Aluminum	-	-	-	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	-	-	-	Anodized	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	X	X	X	X
	Cup Races	X*	X	X	X	-	-	-	-
Stainless Steel Ball Bearings		X	X	-	-	-	-	-	-
Center Lock Rotor Mount		X	X	X	X	X	X	-	-
6bolt (PCD 44mm)		-	-	-	-	-	-	X	X
Note		*LH cone: Hybrid	*Axle:SM-AX75	*Axle:SM-AX80	*Axle:SM-AX80	Black Version	Silver Version	Black Version	Silver Version

Freehub (MTB) Specifications(Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series	SLX	Deore LX	Deore	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	FH-M665	FH-T665	FH-M595	FH-M629	FH-M529	FH-M525-L	FH-M525-S
Spoke Holes	24H	-	-	-	-	-	-
	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	-	X	X
	40/48H	-	-	-	-	-	-
	Hole PCD (mm)	44/45(L/R)	44/45(L/R)	45	44/45(L/R)	61	61
Freehub Body	Speeds	8/9/10	8/9	8/9	8/9	8/9	8/9
	11T compatible	X	X	X	X	X	X
	Quick Engagement	360/32	-	-	360/32	-	-
	Material	Steel	Steel	Steel	Steel	Steel	Steel
O.L.D. (mm)	130	-	-	-	-	-	-
	135	X	X	X	X	X	X
	Others	-	-	-	-	-	-
Flange Diameter (mm)	52.8/53.8(L/R)	52.8/53.8(L/R)	53.8	52.8/53.8(L/R)	70.6	70.6	70.6
Flange Distance(mm)	57.4	57.4	57.4	57.4	57.1	57.1	57.1
Dish(mm)	6.6	6.6	6.6	6.6	6.8	6.8	6.8
Axle(QR type)	QR Skewer Length(mm)	168/173	168/173	168/173	168/173	168/173	168/173
	Length(mm)	146(M10)	146(M10)	146(M10)	146(M10)	146(M10)	146(M10)
	Diameter(mm)	10	10	10	10	10	10
	Material	Steel	Steel	Steel	Steel	Steel	Steel
Axle(Nut type)	Length	-	-	-	-	-	-
	Material	-	-	-	-	-	-
Seal	Hub	X	X	X	X	X	X
	Freewheel	X	X	X	X	X	X
Internal Grease Sleeve	X	X	X	X	-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Quick Release Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	X	X
	Cup Races	-	-	-	-	-	-
Stainless Steel Ball Bearings	-	-	-	-	-	-	-
Center Lock Rotor Mount	X	X	X	X	-	-	-
6bolt (PCD 44mm)	-	-	-	-	X	X	-
Note			Light weight FH body	for 36T CS Shimano logo	for 36T CS Shimano logo	Black Version	Silver Version

Freehub (MTB) Specifications(Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.		FH-M475-L	FH-M475-S	FH-M435-L	FH-M435-S	FH-RM65
Spoke Holes	24H	-	-	-	-	-
	28H	-	-	-	-	-
	32H	X	X	X	X	X
	36H	X	X	X	X	X
	40/48H	-	-	-	-	-
	Hole PCD (mm)	61	61	45	45	45
Freehub Body	Speeds	8/9	8/9	8/9	8/9	8/9
	11T compatible	X	X	X	X	X
	Quick Engagement	-	-	-	-	-
	Material	Steel	Steel	Steel	Steel	Steel
O.L.D. (mm)	130	-	-	-	-	-
	135	X	X	X	X	X
	Others	-	-	-	-	-
Flange Diameter (mm)		70.6	70.6	53.8	53.8	53.8
Flange Distance(mm)		57.1	57.1	57.4	57.4	57.4
Dish(mm)		6.8	6.8	6.6	6.6	6.8
Axle(QR type)	QR Skewer Length(mm)	166/170	166/170	168/173	168/173	166/170
	Length(mm)	146(M10)	146(M10)	146(M10)	146(M10)	146(M10)
	Diameter(mm)	10	10	10	10	10
	Material	Steel	Steel	Steel	Steel	Steel
Axle(Nut type)	Length	-	-	-	-	-
	Material	-	-	-	-	-
Seal	Hub	X	X	X	X	X
	Freewheel	X	X	X	X	X
Internal Grease Sleeve		-	-	X	X	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Quick Release Lever	Material	Steel	Steel	Aluminum	Aluminum	Steel
	Finish	Black Plated	Black Plated	Barrel	Barrel	Black Plated
CBN (Cubic Boron Nitride)	Cone Races	-	-	X	X	-
	Cup Races	-	-	-	-	-
Stainless Steel Ball Bearings		-	-	-	-	-
Center Lock Rotor Mount		-	-	X	X	X
6bolt (PCD 44mm)		X	X	-	-	-
Note		Black Version	Silver Version	Black Version SHIMANO logo	Silver Version SHIMANO logo	

Freehub (MTB) Specifications(Standard /Disc Brake / Roller Brake)

[Return to Top Page](#)

Series		Tourney
Model No.		RH-IM10
Spoke Holes	24H	-
	28H	-
	32H	-
	36H	X
	40/48H	-
	Hole PCD (mm)	45
Freehub Body	Speeds	-
	11T compatible	-
	Roller Clutch	-
	Material	-
O.L.D. (mm)	130	X
	135	-
	Others	-
Flange Diameter (mm)		54
Flange Distance(mm)		55.1
Dish(mm)		5.85
Axle(QR type)	QR Skewer Length	-
	Length	-
	Material	Steel
Axle(Nut type)	Length	180mm(M10)
	Material	Steel
Seal	Hub	-
	Freewheel	-
Hub Shell	Material	Steel
	Finish	Painted
Note		For 6 or 7-speed multifree wheel

Front Hub (MTB) Specifications (Standard/Disc Brake/Roller Brake)

[Return to Top Page](#)

Series		DXR	Deore XT	Deore LX	Deore	Non-Series	Non-Series
Model No.		HB-MX71	HB-M770-S	HB-T660	HB-M590	HB-M430-L	HB-M430-S
Spoke Holes	24H	-	-	-	-	-	-
	28H	-	-	-	-	-	-
	32H	X	X	X	X	X	X
	36H	X	X	X	-	X	X
	40/48H	-	-	-	-	-	-
	Hole PCD (mm)	40	40	38	38	38	38
O.L.D. (mm)		100	100	100	100	100	100
Flange Diameter (mm)		50.4	50.4	48.4	48.4	48.4	48.4
Flange Distance		74	74	71.6	71.6	71.6	71.6
Axle(QR type)	QR Skewer Length	-	133mm	133mm	133mm	133mm	133mm
	Axle Length	-	108mm	108mm(M10)	108mm(M10)	108mm(M9)	108mm(M9)
	Diameter(mm)	-	14	10	10	9	9
	Material	-	Aluminum	Steel	Steel	Steel	Steel
Axle(Nut type)	Axle Length	-	-	-	-	-	-
	Material	Steel	-	-	-	-	-
Seal		X	X	X	X	X	X
Stainless Steel Ball Bearings		X	-	-	-	-	-
Internal Grease Sleeve		X	X	X	-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	-	-
	Cup Races	X	-	-	-	-	-
Quick Release Lever	Material	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	Anodized	Anodized	Anodized	Barrel	Barrel
Radial Lacing		X	X	X	X	X	X
Note		For BMX racing	Silver Version			Black Version, SHIMANO logo	Silver Version SHIMANO logo

Front Hub (MTB) Specifications (Standard/Disc Brake/Roller Brake)

[Return to Top Page](#)

Series		Non-Series	Non-Series	Non-Series	Non-Series
Model No.		HB-RM60-L	HB-RM60-S	HB-RM40	HB-HF08
Spoke Holes	24H	-	-	-	-
	28H	-	-	-	-
	32H	X	X	X	-
	36H	X	X	X	-
	40/48H	-	-	-	X
	Hole PCD (mm)	38	38	38	62.5
O.L.D. (mm)		100	100	100	100
Flange Diameter (mm)		46	46	46	72
Flange Distance		71.6	71.6	71.6	71.6
Axle(QR type)	QR Skewer Length	133mm	133mm	129/133mm	133mm
	Axle Length	108mm	108mm	108mm(M9)	108mm(M9)
	Diameter(mm)	9	9	9	9
	Material	Steel	Steel	Steel	Steel
Axle(Nut type)	Axle Length	-	-	140mm(M9)	-
	Material	-	-	Steel	-
Seal		X	X	-	X
Stainless Steel Ball Bearings		-	-	-	-
Internal Grease Sleeve		-	-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Machined	Machined	Anodized
CBN (Cubic Boron Nitride)	Cone Races	-	-	-	-
	Cup Races	-	-	-	-
Quick Release Lever	Material	Steel	Steel	Steel	Aluminum
	Finish	Chrome Plated	Chrome Plated	Chrome Plated	Anodized
Radial Lacing		-	-	-	-
Note		Black Version	Silver Version		

Front Hub (MTB) Specifications (Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		XTR	Deore XT	Deore XT	Deore XT	Deore XT	SLX	Deore LX
Model No.		HB-M985	HB-M775-L	HB-M775-S	HB-M756-L	HB-M756-S	HB-M665	HB-T665
Spoke Holes	24H	-	-	-	-	-	-	-
	28H	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X
	36H	-	X	X	X	X	X	X
	40/48H	-	-	-	-	-	-	-
	Hole PCD (mm)	44/40	44/41 (L/R)	44/41 (L/R)	61	61	44	44
O.L.D. (mm)		100	100	100	100	100	100	100
Flange Diameter (mm)		52.8/ 50.4 (L/R)	52.8/ 51.4 (L/R)	52.8/ 51.4 (L/R)	70.6	70.6	52.8	52.8
Flange Distance		60.6	60.6	60.6	59.4	59.4	60.2	60.2
Offset		5.4	5.8	5.8	5.5	5.5	5.3	5.3
Axle(QR type)	QR Skewer Length	133mm	133mm	133mm	133mm	133mm	133mm	133mm
	Axle Length	108mm	108mm	108mm	108mm(M10)	108mm(M10)	108mm(M10)	108mm(M10)
	Diameter(mm)	14	14	14	10	10	10	10
	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel
Axle(Nut type)	Axle Length	-	-	-	-	-	-	-
	Material	-	-	-	-	-	-	-
Seal		X	X	X	X	X	X	X
Internal Grease Sleeve		X	X	X	-	-	X	X
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	-	-	X	X	X	X
	Cup Races	X*	-	-	-	-	-	-
Quick Release Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Center Lock Mount Type		X	X	X	-	-	X	X
6bolt (PCD 44mm)		-	-	-	X	X	-	-
Note		*RH cone: Hybrid	Black Version	Silver Version	Black Version	Silver Version		

Front Hub (MTB) Specifications (Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		Deore	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series
Model No.		HB-M595	HB-M629	HB-M529	HB-M525-L	HB-M525-S	HB-M475-L	HB-M475-S
Spoke Holes	24H	-	-	-	-	-	-	-
	28H	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X
	36H	X	-	-	X	X	X	X
	40/48H	-	-	-	-	-	-	-
	Hole PCD (mm)	44	44	61	61	61	61	61
O.L.D. (mm)		100	100	100	100	100	100	100
Flange Diameter (mm)		52.8	52.8	70.6	70.6	70.6	70.6	70.6
Flange Distance		60.2	60.2	59.2	59.4	59.4	59.4	59.4
Offset		5.6	5.3	5.7	5.5	5.5	5.5	5.5
Axle(QR type)	QR Skewer Length	133mm	133mm	133mm	133mm	133mm	133mm	133mm
	Axle Length	108mm(M10)	108mm(M10)	108mm(M10)	108mm(M10)	108mm(M10)	108mm(M10)	108mm(M10)
	Diameter(mm)	10	10	10	10	10	10	10
	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Axle(Nut type)	Axle Length	-	-	-	-	-	-	-
	Material	-	-	-	-	-	-	-
Seal		X	X	X	X	X	X	X
Internal Grease Sleeve		-	X	X	-	-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	X	-	-
	Cup Races	-	-	-	-	-	-	-
Quick Release Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Chrome Plated	Chrome Plated
Center Lock Mount Type		X	X	-	-	-	-	-
6bolt (PCD 44mm)		-	-	X	X	X	X	X
Note			Black Shimano logo	Black Shimano logo	Black Version/ Shimano Logo	Silver Version/ Shimano Logo	Black Version	Silver Version

Front Hub (MTB) Specifications (Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		Non-Series	Non-Series	Non-Series
Model No.		HB-M435-L	HB-M435-S	HB-RM65
Spoke Holes	24H	-	-	-
	28H	-	-	-
	32H	X	X	X
	36H	X	X	X
	40/48H	-	-	-
	Hole PCD (mm)	44	44	44
O.L.D. (mm)		100	100	100
Flange Diameter (mm)		52.8	52.8	52.8
Flange Distance		60.2	60.2	60.2
Offset		5.6	5.6	5.3
Axle(QR type)	QR Skewer Length	133mm	133mm	133mm
	Axle Length	108mm(M10)	108mm(M10)	108mm(M10)
	Diameter(mm)	10	10	10
	Material	Steel	Steel	Steel
Axle(Nut type)	Axle Length	-	-	-
	Material	-	-	-
Seal		X	X	X
Internal Grease Sleeve		-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
CBN (Cubic Boron Nitride)	Cone Races	-	-	-
	Cup Races	-	-	-
Quick Release Lever	Material	Aluminum	Aluminum	Steel
	Finish	Barrel	Barrel	Chrome Plated
Center Lock Mount Type		X	X	X
6bolt (PCD 44mm)		-	-	-
Note		Black Version SHIMANO logo	Silver Version SHIMANO logo	Black Version

Front Hub (MTB) Specifications (Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		XTR	SAINT	Deore XT	Deore XT	Deore XT
Model No.		HB-M988	HB-M810	HB-M776-L	HB-M778	HB-M758
Spoke Holes	24H	-	-	-	-	-
	28H	-	-	-	-	-
	32H	X	X	X	X	X
	36H	-	X	X	X	X
	40/48H	-	-	-	-	-
	Hole PCD (mm)	44	52	52	45	59/55(L/R)
Thru axle size (mm)		15	20	20	15	15
O.L.D. (mm)		100	110	110	100	100
Flange Diameter (mm)		52.8	61.6	61.6	52.8	68.6/ 64.6 (L/R)
Flange Distance		60.2	61.6	61.6	60.05	59.1
Offset		5.4	5.6	5.6	5.4	5.25
Axle(Nut type)	Axle Length	Axle is supplied with Front Suspension Fork	Axle is supplied with Front Suspension Fork	Axle is supplied with Front Suspension Fork	Axle is supplied with Front Suspension Fork	Axle is supplied with Front Suspension Fork
	Material					
Seal		X	X	X	X	X
Internal Grease Sleeve		X	X	X	X	X
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Cone Races	Ball races finish	CBN	CBN	CBN	CBN	CBN
Cup Races		GRINDING	CBN	-	CBN	CBN
E-thru Lever	Material	-	-	-	-	-
	Finish	-	-	-	-	-
Center Lock Mount Type		X	X	X	X	-
6bolt (PCD 44mm)		-	-	-	-	X
Note				Black Version		Black Version

Front Hub (MTB) Specifications (Standard / Disc Brake /Roller Brake)

[Return to Top Page](#)

Series		SLX	SLX	Non-Series
Model No.		HB-M668	HB-M667	HB-T708
Spoke Holes	24H	-	-	-
	28H	-	-	-
	32H	X	X	X
	36H	-	X	X
	40/48H	-	-	-
	Hole PCD (mm)	47	52	45
Thru axle size (mm)		15	20	8 (SM-AX60)
O.L.D. (mm)		100	110	100
Flange Diameter (mm)		55.8	61.6	52.8
Flange Distance		59.8	61.6	60.05
Offset		5.3	5.6	5.4
Axle(Nut type)	Axle Length	Axle is supplied with Front Suspension Fork	Axle is supplied with Front Suspension Fork	135.2 (SM-AX60)
	Material			steel (SM-AX60)
Seal		X	X	X
Internal Grease Sleeve		X	X	X
Hub Shell	Material	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized
Cone Races	Ball races finish	CBN	CBN	CBN
Cup Races		CBN	-	-
E-thru Lever	Material	-	-	Alloy (SM-AX60)
	Finish	-	-	Anodized
Center Lock Mount Type		X	X	X
6bolt (PCD 44mm)		-	-	-
Note				8mm E-thru, Shimano logo

Front Hub (MTB) Specifications (Standard/Disc Brake / Roller Brake)

[Return to Top Page](#)

Series		NEXAVE	NEXUS
Model No.		HB-IM70	HB-IM40
Type		for hub roller brake	for hub roller brake
Spoke Holes	24H	-	-
	28H	-	-
	32H	-	-
	36H	X	X
	40/48H	-	-
	Hole PCD (mm)	70	52
O.L.D. (mm)		100	100
Flange Distance		56.8	61.5
Offset		4.2	4.3
Axle(QR type)	QR Skewer Length	129mm	-
	Axle Length	108mm(M9)	-
	Material	Steel	-
Axle(Nut type)	Axle Length	-	140mm(M9)
	Material	-	Steel
Seal		X	X
Hub Shell	Material	Aluminum	Aluminum
	Finish	Clear Painted	Machined
Quick Release Lever	Material	Aluminum	-
	Finish	Anodized	-
Structure (Braking power)		Hyper	Normal
Modulator Setting		26inch or more	26inch or more
Cooling fin on roller brake		-	-
Note			

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name	XTR	XTR	Deore XT	Deore XT	Deore XT	
Model No.	CS-M980	CS-M980	CS-M771-10	CS-M771-10	CS-M771-10	
Type	HG Cassette Sprocket	HG Cassette Sprocket	HG Casette Sprocket	HG Casette Sprocket	HG Casette Sprocket	
Combination	Speed	10	10	10	10	
	10	36*	34*	36*	34*	32*
	9	32*	30*	32*	30*	28*
	8	28*	26*	28*	26*	25*
	7	24*	23*	24*	23*	22*
	6	21*	21*	21*	21*	20*
	5	19*	19*	19*	19*	18*
	4	17	17	17	17	16
	3	15	15	15	15	14
2	13	13	13	13	12	
1	11	11	11	11	11	
Group	bk	bJ	bk	bJ	bL	
Chain	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	HG-X 10-speed	
Spider Arm	3pcs	3pcs	2pcs	2pcs	2pcs	
Aluminum Lock Ring	X	X	X	X	X	
Ti Cog	21/24/28/32/36T	21/23/26/30/34T	-	-	-	
Finish	Titanium/ Nickel	Titanium/ Nickel	Shot-Chrome	Shot-Chrome	Shot-Chrome	
Note	*cogs on spider	*cogs on spider	*cogs on spider	*cogs on spider	*cogs on spider	

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name	SAINT/ Deore XT	SAINT/ Deore XT	SAINT/ Deore LX	SLX	SLX	SLX/ Deore LX	
Model No.	CS-M770	CS-M770	CS-HG80-9	CS-HG81-10	CS-HG81-10	CS-HG80-9	
Type	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	
Combination	Speed	9	9	9	10	10	9
	10	-	-	-	36*	34*	-
	9	32*	34*	28*	32*	30*	32*
	8	28*	30*	24*	28*	26*	28*
	7	24*	26*	21*	24	23	24*
	6	21*	23*	18	21	21	21
	5	18*	20*	16	19	19	18
	4	16	17*	14	17	17	16
	3	14	15	13	15	15	14
2	12	13	12	13	13	12	
1	11	11	11	11	11	11	
Group	aQ	as	bg	bk	bJ	ar	
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	HG-X 10-speed	HG-X 10-speed	Super Narrow HG for 9-speed	
Spider Arm	X	X	X	1pc	1pc	X	
Aluminum Lock Ring	X	X	-	-	X	-	
Ti Cog	-	-	-	-	-	-	
Finish	Shot-Chrome	Shot-Chrome	Shot-Chrome/ Shot-Ni	Shot-Chrome/ Shot-Ni	Shot-Chrome/ Shot-Ni	Shot-Chrome/ Shot-Ni	
Note	*cogs on spider	*cogs on spider	*cogs on spider	*cogs on spider	*cogs on spider	*cogs on spider	

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name	SLX	Deore	Deore	Deore	Non-Series	Alivio	Alivio	Non-Series
Model No.	CS-HG80-9	CS-HG61-9	CS-HG61-9	CS-HG61-9	CS-HG61-9	CS-HG50-9	CS-HG50-9	CS-HG30-9
Type	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket
Combination	Speed	9	9	9	9	9	9	9
	10	-	-	-	-	-	-	-
	9	34*	28	32	34	36	32	34
	8	30*	24	28	30	32	28	30
	7	26*	21	24	26	28	24	26
	6	23	18	21	23	24	21	23
	5	20	16	18	20	21	18	20
	4	17	14	16	17	18	16	17
	3	15	13	14	15	16	14	15
2	13	12	12	13	14	12	13	
1	11	11	11	11	12	11	11	
Group	au	bg	ar	au	bh	ar	au	ar
Chain	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Spider Arm	X	-	-	-	-	-	-	-
Aluminum Lock Ring	-	-	-	-	-	-	-	-
Ti Cog	-	-	-	-	-	-	-	-
Finish	Shot-Chrome/ Shot-Ni	Shot-Ni	Shot-Ni	Shot-Ni	Shot-Ni	Ni-plated	Ni-plated	Zinc Phosphate
Note	*cogs on spider				29er drive train			

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name	Non-Series	Alivio	Alivio	Alivio	Acera/Altus	Acera/Altus	Acera/Altus	Acera/Altus
Model No.	CS-HG30-9	CS-HG50-8I	CS-HG50-8I	CS-HG50-8I	CS-HG40-8I	CS-HG40-8I	CS-HG40-8I	CS-HG30-8I
Type	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket
Combination	Speed	9	8	8	8	8	8	8
	10	-	-	-	-	-	-	-
	9	34	-	-	-	-	-	-
	8	30	28	30	32	30	32	34
	7	26	24	26	28	26	28	26
	6	23	21	23	24	23	24	23
	5	20	19	20	21	20	21	20
	4	17	17	17	18	17	18	17
	3	15	15	15	15	15	15	15
	2	13	13	13	13	13	13	13
	1	11	11	11	11	11	11	11
Group	au	bf	an	aw	an	aw	ao	an
Chain	Super Narrow HG for 9-speed	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG	IG/HG
Spider Arm	-	-	-	-	-	-	-	-
Aluminum Lock Ring	-	-	-	-	-	-	-	-
Ti Cog	-	-	-	-	-	-	-	-
Finish	Zinc Phosphate	Chrome plated	Chrome plated	Chrome plated	Ni-plated	Ni-plated	Ni-plated	Brown & Black
Note								

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name	Acera/Altus	Acera/Altus	Acera	Non-Series	Tourney	Tourney	Tourney	Tourney	Tourney	
Model No.	CS-HG30-8I	CS-HG30-8I	CS-HG30-I	CS-HG20-7	MF-TZ31-CP	MF-TZ31	MF-TZ21-CP	MF-TZ21	MF-TZ30-CP	
Type	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG Cassette Sprocket	HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	
Combination	Speed	8	8	7	7	7	7	7	6	
	10	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	
	8	32	34	-	-	-	-	-	-	
	7	28	26	28	28	34	34	28	28	
	6	24	23	24	24	24	24	24	24	34
	5	21	20	21	21	22	22	22	22	24
	4	18	17	18	18	20	20	20	20	21
	3	15	15	15	16	18	18	18	18	18
2	13	13	13	14	16	16	16	16	16	
1	11	11	11	12	14	14	14	14	14	
Group	aw	ao	ac	E	-	-	-	-	-	
Chain	IG/HG	IG/HG	IG/HG	IG/HG	HG/UG	HG/UG	HG/UG	HG/UG	HG/UG	
Spider Arm	-	-	-	-	-	-	-	-	-	
Aluminum Lock Ring	-	-	-	-	-	-	-	-	-	
Ti Cog	-	-	-	-	-	-	-	-	-	
Finish	Brown & Black	Brown & Black	Ni-plated	Brown & Black	Brown	Brown & Black	Brown	Brown & Black	Brown	
Note					With Chain protector		With Chain protector		With Chain protector	

Cassette Sprocket (MTB) Specifications

[Return to Top Page](#)

Series name		Tourney	Tourney	Tourney	DXR
Model No.		MF-TZ30	MF-TZ20-CP	MF-TZ20	CS-MX66
Type		HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	HG/UG Multiple Freewheel	Single sprocket for FH-MX70
Combination	Speed	6	6	6	Single
	10	-	-	-	-
	9	-	-	-	-
	8	-	-	-	-
	7	-	-	-	-
	6	34	28	28	-
	5	24	24	24	-
	4	21	21	21	-
	3	18	18	18	-
	2	16	16	16	-
1	14	14	14	-	
Group		-	-	-	-
Chain		HG/UG	HG/UG	HG/UG	1/2" x 3/32"
Spider Arm		-	-	-	-
Aluminum Lock Ring		-	-	-	-
Ti Cog		-	-	-	-
Finish		Brown & Black	Brown & Black	Brown & Black	Chrome plated
Note			With Chain protector		For BMX racing

Chain (MTB) Specifications

[Return to Top Page](#)

Series	XTR	XTR Saint	Deore XT	Deore XT	SLX	SLX Deore LX
Model No.	CN-M980	CN-7701	CN-HG94	CN-HG93	CN-HG74	CN-HG73
Type	Super narrow HG-X 10speed	Super Narrow HG for 9-speed	Super narrow HG-X 10speed	Super Narrow HG for 9-speed	Super narrow HG-X 10speed	Super Narrow HG for 9-speed
Pin Link Plate	Zinc-Alloy Plated	Zinc-Alloy Plated	Zinc-Alloy Plated	Zinc-Alloy Plated	Gray	Gray
Roller Link Plate	Zinc-Alloy Plated	Zinc-Alloy Plated	Gray	Gray	Gray	Gray
Chromizing Treatment Link Pin	X	X	X	X	X	X
Hollow Pin	X	-	-	-	-	-
Note						

Chain (MTB) Specifications

[Return to Top Page](#)

Series	Deore	Altus T300	Non-Series	Tourney
Model No.	CN-HG53	CN-HG50	CN-HG40	CN-UG51
Type	Super Narrow HG for 9-speed	HG	HG	UG
Pin Link Plate	Gray	Black	Gray	Gray
Roller Link Plate	Brown	Black	Black	Black
Chromizing Treatment Link Pin	X	X	-	-
Hollow Pin	-	-	-	-
Note				

Electronic Wire Cable(Nexus) Specifications

[Return to Top Page](#)

Series		SHIMANO				
Model No.		EW-NX60 (Long)			EW-NX60 (Short)	
Number of Branch		3	3	4	-	-
Cord Color		Silver	Black	Black	Black	Black
Length	Cord to SL	50mm	50mm	50mm	-	-
	Cord to SM	50mm	50mm	50mm	-	-
	Distributor B *	46mm	46mm	-	-	-
	Distributor C **	-	-	46mm	-	-
	Cord between Distributor B/C and A	315mm	315mm	315mm	-	-
	Distributor A ***	46mm	46mm	46mm	-	-
	Cord to Front LP	180mm	180mm	180mm	-	-
	Cord to Rear LP	-	-	150mm	815mm	885mm
	Cord to Dynamo	545mm	545mm	545mm	-	-
	Main cord	(315mm)	(315mm)	(315mm)	-	-
For		DH-LP-SL-SM	DH-LP-SL-SM	DH-LP-SL-SM	EW(NX60 Long)-LP(Rear)	EW(NX60 Long)-LP(Rear)
Note		Distributor A*** : Branch from DH to LP / main cord Distributor B** : Branch from main cord to SL / SM Distributor C* : Branch from main cord to SL / SM / LP (Rear)				

NEXAVE Specifications

[Return to Top Page](#)

RD

Model No.		RD-C531
Pulley Cage		SS
Compatible Sprocket type		LG 8spd
Chain		Super Narrow HG for 9-Speed
Low-Normal Spring Type		X
Max Front Difference		Front single use
Total Capacity		22T
Max. Rear Sprocket		33T
Min. Rear Sprocket		11T
Riveted Adapter Available	Road type	-
	Bmx-Track type	-
Direct Attachment		X
Detachable Bracket		-
Wheel-Type Cable Guide		X
Fluoric Coated Link Bushings		2
11T Pulley		13/13T
Bracket Body	Material	Aluminum
	Finish	Painted
Plate Body	Material	Aluminum
	Finish	Painted
Outer Link	Material	Aluminum
	Finish	Painted
Inner Link	Material	Steel
	Finish	Painted
Outer Plate	Material	Steel
	Finish	Painted
Inner Plate	Material	Steel
	Finish	Painted
NOTE		Only for Intego

FD

Model No.		FD-T301	
Rear Speeds		7/8	
Chain		HG/IG	
Front SIS		X	
Chain Ring		Triple	
Top Swing Link		X	
E-type BB Mount		-	
Applicable Chain Line		47.5mm	
Top Gear Teeth		48T	
Total Capacity		20T	
Top-Middle Min. Capacity		10T	
Dual Pull		-	
Multi Clamp Band		-	
Powerchange Mechanism		-	
Chainstay Angle 66 to 69 degrees	Braze-on		-
	28.6mm	Top	X
		Down	X
	31.8mm	Top	X
		Down	X
	34.9mm	Top	-
Down		-	
Chainstay Angle 63 to 66 degrees	Braze-on		-
	28.6mm	Top	X
		Down	X
	31.8mm	Top	X
		Down	X
	34.9mm	Top	-
Down		-	
Front Clamp Band		Material	Steel
		Finish	Painted
Rear Clamp Band		Material	Steel
		Finish	Painted
BB Plate		Material	-
Outer Link	Material	Steel	
	Finish	Zinc Plated	
Inner Link	Material	Steel	
	Finish	Painted	
Chain Guide	Material	Steel	
	Finish	Chrome Plated	
Note			

ST

Model No.		ST-T300-S
Lever Type		Tap-Fire
Front		Conventional 3-speed SIS
Rear		7-speed SIS
Internal Hub Gear		-
SL Cable Adjust		X
Optical Gear Display		Dial type
SL Outer Casing		OT-SP41
Stainless SL Cable		Option
Flight Deck w/ Gear Sensor		X
W/ CI-DECK		-
SL Bracket	Material	Aluminum
	Finish	Polished
SL Compatible RD Type		Low Normal
Note		RH Optical Gear Display for Rapid Rise RD

NEXAVE Specifications

FH

Model No.		FH-IM70
Type		
Voltage (110rpm15Ω)		
Output Power (110rpm15Ω)		
Spoke Holes	28H	-
	32H	-
	36H	X
	Hole PCD (mm)	45
Freehub Body	Speeds	8/9
	11T compatible	X
	Roller Clutch	X
	Material	Steel
O.L.D. (mm)	130	-
	135	X
Flange Distance		60.0
Dish		6.8
Axle(QR)	QR Skewer Length	-
	Length	-
	Material	-
Axle(Nut)	Length	185mm (M10)
	Material	Steel
Seal	Hub	X
	Freewheel	X
Hub Shell	Material	Aluminum
	Finish	Anodized
Quick Release Lever	Material	-
	Finish	-
CBN (Cubic Boron Nitride)	Cone Races	-
	Cup Races	-
Rotor Mount		-
EW(Electoric Cable) Type		-
Note		

HB

Model No.		HB-IM70
Spoke Holes	24H	-
	28H	-
	32H	-
	36H	X
	40/48H	-
Hole PCD (mm)		70
O.L.D. (mm)		100
Flange Distance		56.8
Offset		4.2
Axle(QR)	QR Skewer Length	129mm
	Axle Length	108mm(M9)
	Material	Steel
Axle(Nut)	Axle Length	-
	Material	-
Seal		X
Hub Shell	Material	Aluminum
	Finish	Clear Painted
Quick Release Lever	Material	Aluminum
	Finish	Anodized
Structure		Hyper
Modulator Setting		26inch or more
Note		

Rear Derailleur (Road) Specifications

Series	Dura-Ace	Ultegra	Ultegra	105	105	TIAGRA	TIAGRA	SORA	SORA	2300	A050	
Model No.	RD-7900	RD-6700	RD-6700	RD-5700-S/L	RD-5700-S/L	RD-4500	RD-4500	RD-3400	RD-3400	RD-2300	RD-A050	
Pulley Cage	SS	SS	GS	SS	GS	SS	GS	SS	GS	Smart	Smart	
Speeds	10	10	10	10	10	9	9	9	9	8	7	
Max Front Difference	16T	16T	22T	16T	22T	16T	22T	16T	22T	22T	14T	
Total Capacity	33T	33T	39T	33T	39T	31T	37T	31T	37T	35T	29T	
Max. Rear Sprocket	28T	28T	28T	28T	28T	27T	27T	27T	27T	26T	28T	
Min. Rear Sprocket	11T	11T	11T	11T	11T	11T	11T	11T	11T	12T	13T	
Riveted Adapter Available	-	-	-	-	-	-	-	-	-	-	X	
Direct Attachment	X	X	X	X	X	X	X	X	X	X	X	
Fluoric Coated Link Bushing	4	4	4	2	2	2	2	2	2	-	-	
11T Pulley	X	X	X	X	X	X	X	X	X	11T / 15T	13/13T	
Sealed Bearing Guide Pulley	X	-	-	-	-	-	-	-	-	-	-	
Sealed Bearing Tension Pulley	X	X	X	-	-	-	-	-	-	-	-	
Bracket Body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Resin
	Finish	Anodized	Painted	Painted	Painted	Painted	Clear Coated	Clear Coated	Painted	Painted	Painted	Painted
Plate Body	Material	Engineering Composite	Engineering Composite	Engineering Composite	Aluminum	Aluminum	Aluminum	Aluminum	Resin	Resin	Resin	Resin
	Finish	Painted	Painted	Painted	Painted	Painted	Clear Coated	Clear Coated	Painted	Painted	Painted	Painted
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Anodized	Painted	Painted	Painted	Painted	Clear Coated	Clear Coated	Painted	Painted	Painted	Chrome Plated
Inner Link	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Anodized	Painted	Painted	Plated	Plated	Plated	Plated	Plated	Plated	Zinc Plated	Zinc Plated
Outer Plate	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	Anodized	Anodized	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Chrome Plated
Inner Plate	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	-	Anodized	Anodized	Painted	Painted	Plated	Plated	Plated	Plated	Zinc Plated	Painted
Note												

Front Derailleur (Road) Specifications

Series	Dura-Ace	Dura-Ace	Ultegra	Ultegra	Ultegra	Ultegra	105
Model No.	FD-7900-B	FD-7900-F	FD-6700-B	FD-6700-F	FD-6703-B	FD-6703-F	FD-5700-S/L-F
Rear Speeds	10	10	10	10	10	10	10
Front SIS	X	X	X	X	X	X	X
Chain Ring	Double	Double	Double	Double	Triple	Triple	Double
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional
Mount Type	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Brazed-On
Applicable Chainline	43.5mm	43.5mm	43.5mm	43.5mm	45mm	45mm	43.5mm
Clamp Band Diameter	28.6/31.8/34.9mm	-	*(28.6)/31.8 /34.9mm	-	*(28.6)/31.8 /34.9mm	-	-
Top Gear Teeth	50-56T	50-56T	50-56T	50-56T	52T	52T	50-56T
Capacity	16T	16T	16T	16T	22T	22T	16T
Chainstay Angle	61-66 Degrees	61-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	63-66 Degrees	61-66 Degrees
Compatible Adapter	SM-AD11(31.8mm)	-	X	-	X	-	X
	SM-AD15(34.9mm)	-	X	-	X	-	X
Front Clamp Band	Material	Aluminum	-	Aluminum	-	Aluminum	-
	Finish	Anodized	-	Painted	-	Painted	-
Rear Clamp Band	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Painted	Painted	Painted	Painted
Chain Guide	Material	Aluminum	Aluminum	Steel	Steel	Steel	Steel
	Finish	Nickel Plated	Nickel Plated	Pearl Bright	Pearl Bright	Pearl Bright	Pearl Bright
Note			*W/Multi Clamp Band		*W/Multi Clamp Band		

Front Derailleur (Road) Specifications

Series	105	105	105	Non-Series	Non-Series	Non-Series	Non-Series
Model No.	FD-5700-S/L-B	FD-5703-S/L-F	FD-5703-S/L-B	FD-R770-B	FD-R770-F	FD-R773-2B	FD-R773-2F
Rear Speeds	10	10	10	10	10	10	10
Front SIS	X	X	X	X	X	X	X
Chain Ring	Double	Triple	Triple	Double	Double	Triple	Triple
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional
Mount Type	Clamp Band	Brazed-On	Clamp Band	Clamp Band	Brazed-On	Clamp Band	Brazed-On
Applicable Chainline	43.5mm	45mm	45mm	43.5mm	43.5mm	45mm	45mm
Clamp Band Diameter	*(28.6)/31.8 /34.9mm	-	*(28.6)/31.8 /34.9mm	*(28.6)/31.8/34.9mm	-	*(28.6)/31.8/34.9mm	-
Top Gear Teeth	50-56T	50T	50T	50-56T	50-56T	52T	52T
Capacity	16T	20T	20T	16T	16T	22T	22T
Chainstay Angle	61-66 Degrees	63-66 Degrees	63-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	63-66 Degrees
Compatible Adapter	SM-AD11(31.8mm)	-	X	-	X	-	X
	SM-AD15(34.9mm)	-	X	-	X	-	X
Front Clamp Band	Material	Aluminum	-	Aluminum	Aluminum	-	Aluminum
	Finish	Painted	-	Painted	Clear Coated	-	Clear Coated
Rear Clamp Band	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Clear Coated	Clear Coated	Clear Coated
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Clear Coated	Clear Coated	Clear Coated
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Clear Coated	Clear Coated	Clear Coated
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Plated	Plated	Plated	Chrome Plated	Chrome Plated	Chrome Plated
Note	*W/Multi Clamp Band		*W/Multi Clamp Band	*W/Multi Clamp Band / For flat handlebar shifter SL-R770.	For flat handlebar shifter SL-R770.	*W/Multi Clamp Band / For flat handlebar shifter SL-R770.	For flat handlebar shifter ST-L770.

Front Derailleur (Road) Specifications

Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	
Model No.	FD-R773-0B	FD-R773-0F	FD-R440-B	FD-R440-F	FD-R440-LB	FD-R440-LF	FD-R443-B	FD-R443-F	
Rear Speeds	10	10	9	9	9	9	9	9	
Front SIS	X	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Double	Double	Double	Double	Triple	Triple	
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	
Mount Type	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Clamp Band	Brazed-On	
Applicable Chainline	45mm	45mm	43.5mm	43.5mm	43.5mm	43.5mm	45mm	45mm	
Clamp Band Diameter	*(28.6)/31.8/34.9mm	-	28.6/31.8mm	-	28.6/31.8mm	-	28.6/31.8mm	-	
Top Gear Teeth	50T	50T	50-56T	50-56T	50-56T	50-56T	52T	52T	
Capacity	20T	20T	16T	16T	16T	16T	22T	22T	
Chainstay Angle	63-66 Degrees	63-66 Degrees	61-66 Degrees	61-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	63-66 Degrees	
Compatible Adapter	SM-AD11(31.8mm)	-	X	-	X	-	X	-	X
	SM-AD15(34.9mm)	-	X	-	X	-	X	-	-
Front Clamp Band	Material	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Clear Coated	-	Barrel	Barrel	Painted	Painted	Barrel	Barrel
Rear Clamp Band	Material	Aluminum	Aluminum	Aluminum	-	Aluminum	-	Aluminum	-
	Finish	Clear Coated	Clear Coated	Barrel	-	Painted	-	Barrel	-
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Clear Coated	Clear Coated	Barrel	Barrel	Painted	Painted	Barrel	Barrel
Inner Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Clear Coated	Clear Coated	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
Note	*W/Multi Clamp Band / For flat handlebar shifter ST-L770.	For flat handlebar shifter ST-L770.	Designed to work with flat handlebar shifter SL-R660/R440.	Designed to work with flat handlebar shifter SL-R660/R440.	Designed to work with flat handlebar shifter SL-R660/R440. Black Version	Designed to work with flat handlebar shifter SL-R660/R440.	Designed to work with flat handlebar shifter SL-R660/R440.	Designed to work with flat handlebar shifter SL-R660/R440.	

Front Derailleur (Road) Specifications

Series	Non-Series	Non-Series	Non-Series	Non-Series	TIAGRA	TIAGRA	TIAGRA	
Model No.	FD-R443-LB	FD-R443-LF	FD-R453-B	FD-R453-F	FD-4500-B	FD-4500-F	FD-4503-B	
Rear Speeds	9	9	9	9	9	9	9	
Front SIS	X	X	X	X	X	X	X	
Chain Ring	Triple	Triple	Triple	Triple	Double	Double	Triple	
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	
Mount Type	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Clamp Band	Brazed-on	Clamp Band	
Applicable Chainline	45mm	45mm	45mm	45mm	43.5mm	43.5mm	45mm	
Clamp Band Diameter	28.6/31.8mm	-	*(28.6)/31.8 34.9mm	-	*(28.6)/31.8 34.9mm	-	*(28.6)/31.8 34.9mm	
Top Gear Teeth	52T	52T	50T	50T	50-56T	50-56T	50T	
Capacity	22T	22T	20T	20T	16T	16T	20T	
Chainstay Angle	63-66 Degrees	63-66 Degrees	63-66 Degrees	63-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	
Compatible Adapter	SM-AD11(31.8mm)	-	X	-	X	-	X	-
	SM-AD15(34.9mm)	-	-	-	X	-	X	-
Front Clamp Band	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Clear Coated	Clear Coated	Clear Coated	Clear Coated	Clear Coated
Rear Clamp Band	Material	Aluminum	-	Aluminum	-	Aluminum	-	Aluminum
	Finish	Painted	-	Clear Coated	-	Clear Coated	-	Clear Coated
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Clear Coated	Clear Coated	Clear Coated	Clear Coated	Clear Coated
Inner Link	Material	Aluminum	Aluminum	Zinc	Zinc	Zinc	Zinc	Zinc
	Finish	Barrel	Painted	Plated	Plated	Plated	Plated	Plated
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Chrome Plated	Chrome Plated	Pearl Bright Plated	Pearl Bright Plated	Pearl Bright Plated	Pearl Bright Plated	Pearl Bright Plated
Note	Designed to work with flat handlebar shifter SL-R660/R440. Black Version		*W/Multi Clamp Band		*W/Multi Clamp Band		*W/Multi Clamp Band	

Front Derailleur (Road) Specifications

Series	TIAGRA	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	
Model No.	FD-4503-F	FD-R440A-B	FD-R440A-F	FD-R440A-LB	FD-R440A-LF	FD-R443A-B	FD-R443A-F	
Rear Speeds	9	8	8	8	8	8	8	
Front SIS	X	X	X	X	X	X	X	
Chain Ring	Triple	Double	Double	Double	Double	Triple	Triple	
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	
Mount Type	Brazed-on	Clamp Band	Brazed-On	Clamp Band	Brazed-On	Clamp Band	Brazed-On	
Applicable Chainline	45mm	43.5mm	43.5mm	43.5mm	43.5mm	45mm	45mm	
Clamp Band Diameter	-	28.6/31.8mm	-	28.6/31.8mm	-	28.6/31.8mm	-	
Top Gear Teeth	50T	50-53T	50-53T	50-53T	50-53T	52T	52T	
Capacity	20T	16T	16T	16T	16T	22T	22T	
Chainstay Angle	63-66 Degrees	61-66 Degrees	61-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	63-66 Degrees	
Compatible Adapter	SM-AD11(31.8mm)	X	-	X	-	X	-	X
	SM-AD15(34.9mm)	X	-	-	-	-	-	X
Front Clamp Band	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Clear Coated	Barrel	Barrel	Painted	Painted	Barrel	Barrel
Rear Clamp Band	Material	-	Aluminum	-	Aluminum	-	Aluminum	-
	Finish	-	Barrel	-	Painted	-	Barrel	-
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Clear Coated	Barrel	Barrel	Painted	Barrel	Barrel	Barrel
Inner Link	Material	Zinc	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Plated	Barrel	Barrel	Barrel	Barrel	Barrel	Barrel
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Pearl Bright Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated	Chrome Plated
Note		Designed to work with Flat handlebar shifter SL-R440/ST-R220.		Designed to work with Flat handlebar shifter SL-R440/ST-R220.Black Version		Designed to work with Flat handlebar shifter SL-R440/ST-R223.		

Front Derailleur (Road) Specifications

Series	Non-Series	Non-Series	SORA	SORA	SORA	SORA	2300
Model No.	FD-R443A-LB	FD-R443A-LF	FD-3400-B	FD-3400-F	FD-3403-B	FD-3403-F	FD-2300-B
Rear Speeds	8	8	9	9	9	9	8
Front SIS	X	X	X	X	X	X	X
Chain Ring	Triple	Triple	Double	Double	Triple	Triple	Double
Link Type	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional	Conventional
Mount Type	Clamp Band	Brazed-On	Clamp Band	Brazed-on	Clamp Band	Brazed-On	Clamp Band
Applicable Chainline	45mm	45mm	43.5mm	43.5mm	45mm	45mm	43.5mm
Clamp Band Diameter	28.6/31.8mm	-	*(28.6)/31.8/ 34.9mm	-	*(28.6)/31.8/ 34.9mm	-	*(28.6)/31.8
Top Gear Teeth	52T	52T	50-53T	50-53T	50T	50T	50-53T
Capacity	22T	22T	16T	16T	20T	20T	16T
Chainstay Angle	63-66 Degrees	63-66 Degrees	61-66 Degrees	61-66 Degrees	63-66 Degrees	63-66 Degrees	61-66 Degrees
Compatible Adapter	SM-AD11(31.8mm)	-	X	-	X	-	X
	SM-AD15(34.9mm)	-	X	-	X	-	X
Front Clamp Band	Material	Aluminum	Aluminum	Steel	Aluminum	Steel	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Rear Clamp Band	Material	Aluminum	-	Aluminum	-	Aluminum	-
	Finish	Painted	-	Painted	-	Painted	-
Outer Link	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Painted	Painted	Painted	Painted	Painted
Inner Link	Material	Aluminum	Aluminum	Zinc	Zinc	Zinc	Zinc
	Finish	Barrel	Barrel	Plated	Plated	Plated	Plated
Chain Guide	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Finish	Chrome Plated	Chrome Plated	Plated	Plated	Plated	Plated
Note	Designed to work with Flat handlebar shifter SL-R440/ST-R223. Black Version		*W/Multi Clamp Band		*W/Multi Clamp Band		*W/Multi Clamp Band

Shift / Brake Lever (Road) Specifications

Series		Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Ultegra	Ultegra	Ultegra	Non-Series	
Model No.		ST-7900	SL-7900	SL-BS79	SL-7700	SL-BS77	ST-6700	ST-6703	SL-BS64-8	ST-R700-(R)	
Lever Type		Dual Control Lever	Down Tube Shifter	Bar end Shifter	Down Tube Shifter	Bar end Shifter	Dual Control Lever	Dual Control Lever	Bar end Shifter	Dual Control Lever	
Shift Lever Specifications	Front	Double	Double / Triple	Double / Triple	Double / Triple	Double / Triple	Double	Triple	Double / Triple	-	
	Rear	10	10	10	9	9	10	-	8	10	
	Optical Gear Display Unit		-	-	-	-	-	-	-	-	-
	Flight Deck	With Gear Sensor	X	-	-	-	-	X	X	-	X
		Without Gear Sensor	-	-	-	-	-	-	-	-	-
	Multi-Bearing Construction		1	2	-	-	-	1	1	-	-
	Outer Casing	Lever side	SP41	-	SP41	-	SP40	SP41	SP41	SP40	SP41
		RD side	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP40 Sealed	SP40 Sealed	SP41 Sealed	SP41 Sealed	SP40 Sealed	SP41 Sealed
	Stainless Cable		X (PTFE)	X(PTFE)	X(PTFE)	X	X	X (PTFE)	X (PTFE)	X	X
	Clamp Band		-	-	-	-	-	-	-	-	-
Brake Lever Specifications	Reach Adjust	X	-	-	-	-	Spacer Use	Spacer Use	-	Spacer Use	
	Clamp Band	23.8mm/ 24.2mm	-	-	-	-	23.8mm/ 24.2mm	23.8mm/ 24.2mm	-	23.8mm / 24.2mm	
	Super SLR	X	-	-	-	-	X	X	-	-	
Bracket	Material	Engineering Composite	-	-	-	-	Engineering Plastic	Engineering Plastic	-	Engineering Plastic	
	Finish	Engineering Composite	-	-	-	-	Engineering Plastic	Engineering Plastic	-	Engineering Plastic	
Lever	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum	Engineering Composite	Engineering Composite	Aluminum	Aluminum	
	Finish	Painted	Clear Coated	Clear Coated	Clear Coated	Clear Coated	Painted	Painted	Clear Coated	Clear Coated	
Note											

Shift / Brake Lever (Road) Specifications

Series		Non-Series	Non-Series	Non-Series	105	105	TIAGRA	TIAGRA	TIAGRA	Non-Series	
Model No.		ST-R701	ST-R703	BL-R600	ST-5700-S/L	ST-5703-S/L	ST-4500-(R)	ST-4501	ST-4503	ST-R500	
Lever Type		Dual Control Lever	Dual Control Lever	Brake Lever	Dual Control Lever	Dual Control Lever	Dual Control Lever	Dual Control Lever	Dual Control Lever	Dual Control Lever	
Shift Lever Specifications	Front	Double	Triple	-	Double	Triple	-	Double	Triple	Double / Triple	
	Rear	-	-	-	10	-	9	-	-	8	
	Optical Gear Display Unit		-	-	-	-	-	X	X	X	-
	Flight Deck	With Gear Sensor	X	X	-	-	-	-	-	-	X
		Without Gear Sensor	-	-	-	-	-	-	-	-	-
	Multi-Bearing Construction		-	-	-	-	-	-	-	-	-
	Outer Casing	Lever side	SP41	SP41	-	SP41	SP41	SP41	SP41	SP41	SP41
		RD side	SP41 Sealed	SP41 Sealed	-	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP41 Sealed
	Stainless Cable		X	X	-	X (PFTE)	X (PFTE)	X	X	X	X
Clamp Band		-	-	-	-	-	-	-	-	-	
Brake Lever Specifications	Reach Adjust	Spacer Use	Spacer Use	-	Spacer Use	Spacer Use	Spacer Use	Spacer Use	Spacer Use	-	
	Clamp Band	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm/24.2mm	23.8mm/24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	
	Super SLR	-	-	X	X	X	-	-	-	-	
Bracket	Material	Engineering Plastic	Engineering Plastic	Aluminum	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	
	Finish	Engineering Plastic	Engineering Plastic	Barrel	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	Engineering Plastic	
Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Clear Coated	Clear Coated	Anodized	Clear Coated	Clear Coated	Clear Coated	Clear Coated	Clear Coated	Clear Coated	
Note		After running change	After running change								

Shift / Brake Lever (Road) Specifications

Series	Non-Series	Non-Series	SORA	2300	2300	A050	A050	Non-Series	Non-Series		
Model No.	SL-R400	BL-R400	ST-3400	ST-2300	ST-2303	SL-A050-7R	SL-A050-LN	SL-SY20A-6-STEM	SL-SY20A-7-STEM		
Lever Type	Down Tube Shifter	Brake Lever	Dual Control Lever	Dual Control Lever	Dual Control Lever	Handle Bar Mount Shifter	Handle Bar Mount Shifter	Stem Mount Shifter	Stem Mount Shifter		
Shift Lever Specifications	Front	Double / Triple	-	Double / Triple	Double	Triple	-	Double/Friction	Double/Friction	Double/Friction	
	Rear	8	-	9	8	-	7	-	6	7	
	Optical Gear Display Unit	-	-	X	-	-	-	-	-	-	
	Flight Deck	With Gear Sensor	-	-	-	-	-	-	-	-	-
		Without Gear Sensor	-	-	-	-	-	-	-	-	-
	Multi-Bearing Construction	-	-	-	-	-	-	-	-	-	
	Outer Casing	Lever side	-	-	SP41	SP40	SP40	SIS	SIS	SIS	SIS
		RD side	SP41	-	SP41 Sealed	SP40 Sealed	-	SIS	SIS	SIS	SIS
	Stainless Cable	-	-	X	X	X	-	-	-	-	-
	Clamp Band	-	-	-	-	-	25.6mm	25.6mm	22.2mm	22.2mm	
Brake Lever Specifications	Reach Adjust	-	-	Spacer Use	Spacer Use	Spacer Use	-	-	-	-	
	Clamp Band	-	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	23.8mm / 24.2mm	-	-	-	-	
	Super SLR	-	X	-	-	-	-	-	-	-	
Bracket	Material	-	Aluminum	Engineering Plastic	Engineering Plastic	Engineering Plastic	Steel	Steel	Steel	Steel	
	Finish	-	Barrel	Engineering Plastic	Engineering Plastic	Engineering Plastic	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated	
Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Resin	Resin	Resin+Zinc Cap	Resin+Zinc Cap	
	Finish	Barrel	Anodized	Painted	Painted	Painted	Resin	Resin	Resin+CP(Pearl)	Resin+CP(Pearl)	
Note											

Shift / Brake Lever (Road) Specifications

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	
Model No.		SL-SY20A-6-D	SL-SY20A-7-D	SL-SY20A-6-D/BAND	SL-SY20A-7-D/BAND	SL-R770	BL-R770	BL-R550-S	BL-R550-L	
Lever Type		Down Tube Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter	Down Tube Mount Shifter	Rapidfire Plus	Brake Lever	Brake Lever	Brake Lever	
Shift Lever Specifications	Front	Double/Friction	Double/Friction	Double/Friction	Double/Friction	Double / Triple	-	-	-	
	Rear	6	7	6	7	10	-	-	-	
	Optical Gear Display Unit		-	-	-	-	Detachable/ Above handlebar	-	-	-
	Flight Deck	With Gear Sensor	-	-	-	-	-	-	-	-
		Without Gear Sensor	-	-	-	-	-	-	-	-
	Multi-Bearing Construction		-	-	-	-	2	-	-	-
	Outer Casing	Lever side	SIS	SIS	SIS	SIS	SP41	-	-	-
		RD side	SIS	SIS	SIS	SIS	SP41 Sealed	-	-	-
	Stainless Cable		-	-	-	-	X	-	-	-
	Clamp Band		22.2mm	22.2mm	28.6mm	28.6mm	22.2mm	-	-	-
Brake Lever Specifications	Reach Adjust	-	-	-	-	-	Screw Adjust	Screw Adjust	Screw Adjust	
	Clamp Band		-	-	-	-	-	22.2mm	22.2mm	22.2mm
	Super SLR		-	-	-	-	-	-	-	-
Bracket	Material	Steel	Steel	Steel	Steel	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Zinc Plated	Zinc Plated	Zinc Plated	Zinc Plated	Clear Coated	Clear Coated	Painted	Painted	
Lever	Material	Resin+Zinc Cap	Resin+Zinc Cap	Resin+Zinc Cap	Resin+Zinc Cap	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Resin+CP(Pearl)	Resin+CP(Pearl)	Resin+CP(Pearl)	Resin+CP(Pearl)	Clear Coated	Anodized	Anodized	Anodized	
Note		Brazed On Type	Brazed On Type	Band Type	Band Type	For flat handlebar	For Caliper/Canti/Roller/ Road disc brake (BR-R505)	Silver Version For Caliper/Canti/Roller/ Road disc brake (BR-R505)	Black Version For Caliper/Canti/Roller/Road disc brake (BR-R505)	

Shift / Brake Lever (Road) Specifications

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	
Model No.		SL-R440	SL-R440-L	SL-R440-8	SL-R440-8-L	ST-R221	ST-R221-L	ST-R225	
Lever Type		Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	Rapidfire Plus	EZ-fire Plus	EZ-fire Plus	EZ-fire Plus	
Shift Lever Specifications	Front	Double / Triple	Double / Triple	Double / Triple	Double / Triple	Double	Double	Triple	
	Rear	9	9	8	8	8	8	-	
	Optical Gear Display Unit	Detachable/ Above handlebar	Detachable/ Above handlebar	Detachable/ Above handlebar	Detachable/ Above handlebar	Dial type	Dial type	Dial type	
	Flight Deck	With Gear Sensor	-	-	-	-	-	-	-
		Without Gear Sensor	*1	*1	*1	*1	-	-	-
	Multi-Bearing Construction		-	-	-	-	-	-	-
	Outer Casing	Lever side	SP41	SP41	SP41	SP41	SP40	SP40	SP40
		RD side	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP41 Sealed	SP40	SP40	SP40
	Stainless Cable		X	X	X	X	-	-	-
	Clamp Band		22.2mm	22.2mm	22.2mm	22.2mm	-	-	-
Brake Lever Specifications	Reach Adjust	-	-	-	-	x	x	x	
	Clamp Band	-	-	-	-	22.2mm	22.2mm	22.2mm	
	Super SLR	-	-	-	-	-	-	-	
Bracket	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Painted	Painted	Painted	Painted	Painted	
Lever	Material	Steel+Resin	Steel+Resin	Steel	Steel	SL:Steel+Resin BL:Aluminum	SL:Steel+Resin BL:Aluminum	SL:Steel+Resin BL:Aluminum	
	Finish	Black Plated	Black Plated	Black Plated	Black Plated	SL:Black Plated BL:Anodized	SL:Black Plated BL:Anodized	SL:Black Plated BL:Anodized	
Note		For flat handlebar Left:SL-R441	For flat handlebar Black Version Left:SL-R441-L	For flat handlebar Left:SL-R441	For flat handlebar Black Version Left:SL-R441-L	For flat handlebar	Black Version	Front Lever W/Trim	
						Compatible with V-BRAKE/Canti/Caliper and Disc brake	For flat handlebar	For flat handlebar	
						Compatible with V-BRAKE/Canti/Caliper and Disc brake	Compatible with V-BRAKE/Canti/Caliper and Disc brake	Compatible with V-BRAKE/Canti/Caliper and Disc brake	
















Brake (Road) Specifications

Series		Dura-Ace	Ultegra	105	Non-Series	Non-Series	Non-Series
Model No.		BR-7900	BR-6700	BR-5700-S/L	BR-R560	BR-R505	BR-R550
Type		Super SLR Dual Pivot	Super SLR Dual Pivot	Super SLR Dual Pivot	Super SLR Dual Pivot	Disc-brake	Canti-brake
Reach		49mm	49mm	49mm	49mm	-	49mm
Brake Shoe	Standard	R55C3	R55C3	R55C3	R55C2	M06 Metal	S70C(severe condition)
	Optional Choice	R55C for carbon rim R55C for ceramic rim	R55C for carbon rim R55C for ceramic rim	R55C for carbon rim R55C for ceramic rim	R55C for carbon rim R55C for ceramic rim	-	M70R2(severe condition) M70CT4(severe condition)
Assembly Pivot Nut (mm)		10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0	-	16 / 25
Cartridge Shoe Holder		X	X	X	X	-	X
Tire Guide Bumpers		X	X	-	-	-	-
QR		X	X	X	X	-	-
Shoe Angle Adjusting		X	X	X	X	-	X
Spring Tension Adjusting		X	X	-	-	-	X
Cartridge Shoe Holder	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	Aluminum
	Finish	Anodized	Painted	Painted	Painted	-	Painted
C-arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish	Anodized	Anodized	Anodized	Anodized	-	-
Y-arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish	Anodized	Anodized	Anodized	Anodized	-	-
Gate	Material	Aluminum	Aluminum	Aluminum	Aluminum	-	-
	Finish	Anodized	Anodized	Anodized	Anodized	-	-
QR	Material	Aluminum	Aluminum	Zinc	Zinc	-	-
	Finish	Anodized	Painted	Plated	Plated	-	-
Titanium Cable Fixing Bolt		X	-	-	-	-	-
Titanium Pivot Bolt		X	-	-	-	-	-
Note					Silver	*Please refer to MTB Disc BR(caliper) Page	



Brake (Road) Specifications

Series		TIAGRA	SORA	Non-Series	Non-Series
Model No.		BR-4500	BR-3400	BR-R650	BR-R450
Type		Super SLR Dual Pivot	Super SLR Dual Pivot	Super SLR Dual Pivot	Super SLR Dual Pivot
Reach		49mm	49mm	57mm	57mm
Brake Shoe	Standard	R50T2	R50T2	R55C2	R50T2
	Optional Choice	-	-	R55C for carbon rim R55C for ceramic rim	-
Assembly Pivot Nut (mm)		10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0	10.5 / 12.5 / 18.0 / 27.0
Cartridge Shoe Holder		-	-	X	-
Tire Guide Bumpers		-	-	X	-
QR		X	X	X	X
Shoe Angle Adjusting		X	X	X	X
Spring Tension Adjusting		-	-	-	-
Cartridge Shoe Holder	Material	-	-	Aluminum	-
	Finish	-	-	Painted	-
C-arm	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Painted	Anodized	Painted
Y-arm	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Painted	Anodized	Painted
Gate	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Painted	Anodized	Painted
QR	Material	Zinc	Resin	Aluminum	Resin
	Finish	Plated	-	Painted	-
Titanium Cable Fixing Bolt		-	-	-	-
Titanium Pivot Bolt		-	-	-	-
Note					

Front Chainwheel (Road) Specifications

Series		Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace(Track)	ULTEGRA	ULTEGRA	ULTEGRA	105
Model No.		FC-7900	FC-7950	FC-7800-C	FC-7710	FC-6700	FC-6703	FC-6750	FC-5700-S/L
Rear Speeds		10	10	10	Single	10	10	10	10
Chainring Combination		53-42T 52-39T 53-39T 54-42T 55-42T 56-44T	50-34T	52-39T 53-39T	45T>>55T (1/2"X1/8") 45T>>55T (1/2"X3/32")	52-39T 53-39T	52-39-30T	50-34T	52-39T 53-39T
PCD		130mm	110mm	130mm	144mm	130mm	130mm / 92mm	110mm	130mm
Splined Crank		X	X	X	X	X	X	X	X
Crank Arm Length	160.0mm	-	-	-	-	-	-	-	-
	162.5mm	-	-	-	-	-	-	-	-
	165mm	X	X	-	X	X	X	X	X
	167.5mm	X	X	-	X	-	-	-	-
	170mm	X	X	-	X	X	X	X	X
	172.5mm	X	X	X	X	X	X	X	X
	175mm	X	X	X	X	X	X	X	X
	177.5mm	X	X	-	-	-	-	-	-
180mm	X	X	-	-	-	-	-	-	
Chain		Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	1/2"X1/8" 1/2"X3/32"	Supre Narrow HG for 10-speed	Supre Narrow HG for 10-speed	Supre Narrow HG for 10-speed	Super Narrow HG for 10-speed (CN-5701)
Bottom Bracket	Model No.	SM-BB7900	SM-BB7900	SM-FC7801	BB-7710 / 7700	SM-BB6700	SM-BB6700	SM-BB6700	SM-BB5700
	Chain Line	43.5mm	45mm	45mm	109.5	45mm	45mm	45mm	45mm
Optional Chain Guard		-	-	-	-	-	-	-	-
Hollowtech II technology		X 	X 	X 	-	X 	X 	X 	X 
2-piece Solid Crank Construction		-	-	-	-	-	-	-	-
Hollowtech Crank Arm		X 	X 	X 	X 	X 	X 	X 	X 
OCTALINK technology		-	-	-	X	-	-	-	-
One Key Release		-	-	-	X	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Top Gear	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Nickel Plated	Anodized	Anodized	Anodized	Anodized
Middle Gear	Material	-	-	-	-	-	Aluminum	-	-
	Finish	-	-	-	-	-	Anodized	-	-
Low Gear	Material	Aluminum	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	-	Anodized	Anodized	Anodized	Anodized
Note					CL=42.5mm				

Front Chainwheel (Road) Specifications

Series		105	105	Non-Series	Non-Series	Non-Series	TIAGRA	TIAGRA	TIAGRA
Model No.		FC-5750-S/L	FC-5703-S/L	FC-R600	FC-R550	FC-R553	FC-4500	FC-4503	FC-4550
Rear Speeds		10	10	10	10	10	9	9	9
Chainring Combination		50-34T	50-39-30T	50-34T	52-39T 53-39T 50-39T	50-39-30T	52-39T	50-39-30T	50-34T
PCD		110mm	130mm / 74mm	110mm	130mm	130mm/74mm	130mm	130mm/74mm	110mm
Splined Crank		X	X	X	X	X	X	X	X
Crank Arm Length	160.0mm	-	-	-	-	-	-	-	-
	162.5mm	-	-	-	-	-	-	-	-
	165mm	X	X	X	X	X	X	X	X
	167.5mm	-	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X	X
	172.5mm	X	X	X	X	X	-	-	-
	175mm	X	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	-	
Chain		Super Narrow HG for 10-speed (CN-5701)	Super Narrow HG for 10-speed (CN-5600)	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed
Bottom Bracket	Model No.	SM-BB5700	SM-BB5700	Included*	Included*	Included*	Included*	Included*	Included*
	Chain Line	43.5mm	45mm	X	X	-	X	-	X
Optional Chain Guard		-	-	-	-	-	-	-	-
Hollowtech II technology		X 	X 	-	-	-	-	-	-
2-piece Solid Crank Construction		-	-	X	X	X	X	X	X
Hollowtech Crank Arm		X	X	-	-	-	-	-	-
OCTALINK technology		-	-	-	-	-	-	-	-
One Key Release		-	-	-	-	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Top Gear	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
Middle Gear	Material	-	Aluminum	-	-	Aluminum	-	Aluminum	-
	Finish	-	Anodized	-	-	Anodized	-	Anodized	-
Low Gear	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Plated	Anodized
Note				*Individual package (SM-FC4500) is available for after market. Shimano Logo	*Individual package (SM-FC4500) is available for after market.	*Individual package (SM-FC4500) is available for after market.	*Individual package (SM-FC4500) is available for after market.	*Individual package (SM-FC4500) is available for after market.	*Individual package (SM-FC4500) is available for after market. TIAGRA Logo and TIAGRA Color

Front Chainwheel (Road) Specifications

Series		Non-Series	SORA	SORA	2300	2300	2300	Non-Series
Model No.		FC-4550-S	FC-3450	FC-3403	FC-2300	FC-2350-S/L	FC-2303	FC-R450
Rear Speeds		9	9	9	8	8	8	9
Chainring Combination		50-34T	50-34T	50-39-34T	52-39T	50-34T	52-42-30T	52-39T
PCD		110mm	110mm	130mm / 74mm	130mm	110mm	130mm / 74mm	130mm
Splined Crank		X	X	X	-	-	-	X
Crank Arm Length	160.0mm	-	-	-	-	-	-	-
	162.5mm	-	-	-	-	-	-	-
	165mm	X	X	X	-	-	-	-
	167.5mm	-	-	-	-	-	-	-
	170mm	X	X	X	X	X	X	X
	172.5mm	-	-	-	-	-	-	-
	175mm	X	X	X	X	X	X	X
	177.5mm	-	-	-	-	-	-	-
180mm	-	-	-	-	-	-	-	
Chain		Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	Super Narrow HG for 9-speed	HG	HG	HG	Super Narrow HG for 9-speed
Bottom Bracket	Model No.		Included*	Included*	Included*	BB-UN26	BB-UN26	BB-UN26
	Chain Line	43.5mm	X	X	X	MM110	MM110	-
		45mm	-	-	-	-	-	LL113
Optional Chain Guard		-	-	-	X	X	X	X
Hollowtech II technology		-	-	-	-	-	-	-
2-piece Solid Crank Construction		X	X	X	-	-	-	-
Hollowtech Crank Arm		-	-	-	-	-	-	-
OCTALINK technology		-	-	-	-	-	-	X
One Key Release		-	-	-	-	-	-	-
Crank Arm	Material	Aluminum	Aluminum	Aluminum	Aluminium	Aluminium	Aluminium	Aluminum
	Finish	Anodized	Painted	Painted	Painted	Painted	Painted	Painted
Top Gear	Material	Aluminum	Aluminum	Aluminum	Steel	Steel	Steel	Aluminum
	Finish	Anodized	Anodized	Anodized	Painted	Painted	Painted	Anodized
Middle Gear	Material	-	-	Steel	-	-	Steel	-
	Finish	-	-	Plated	-	-	Painted	-
Low Gear	Material	Aluminum	steel	Steel	Steel	Steel	Steel	Steel
	Finish	Anodized	Plated	Plated	Painted	Painted	Painted	Plated
Note		*Individual package (SM-FC4500) is available for after market. Shimano Logo and Silver Anodized	*Individual package (SM-FC4500) is available for after market. Shimano Logo and Silver Anodized	*Individual package (SM-FC4500) is available for after market. Shimano Logo and Silver Anodized		Black		

Bottom Bracket (Road) Specifications

Series Name				Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace(Track)	Dura-Ace	Ultegra	105	TIAGRA
Model No.				SM-BB7900	SM-FC7801	BB-7700	BB-7710	BB-7703	SM-BB6700	SM-BB5700	SM-FC4500
Applicable Front Chainwheel				FC-7900/7950	FC-7800-C	FC-7710	FC-7710	FC-7703	FC-6700/6703	FC-5700/5703/5750	FC-4500/4503/4550/ R600/R550/R553
Hollow Pipe				X	X	X	X	X	X	X	X
Cartridge Type				-	-	-	X	X	-	-	-
Splined Crank Arm Mounts				X	X	X	X	X	X	X	X
Axle Length	Hollowtech II Construction	68mm (BC1.37)		X	X	-	-	-	X	X	X
		70mm (M36)		X	X	-	-	-	X	X	X
	109.5 mm	68mm (BC1.37)		-	-	X	X	-	-	-	-
		70mm (M36)		-	-	X	-	-	-	-	-
	118.5 mm	68mm (BC1.37)		-	-	-	-	X	-	-	-
		70mm (M36)		-	-	-	-	X	-	-	-
	113 mm	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	122mm	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	MM107	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	MM110	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	LL113	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	D-H (115mm)	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
	XL118	68mm (BC1.37)		-	-	-	-	-	-	-	-
		70mm (M36)		-	-	-	-	-	-	-	-
D-NL (122.5mm)	68mm (BC1.37)		-	-	-	-	-	-	-	-	
	70mm (M36)		-	-	-	-	-	-	-	-	
Note					lighter version than SM-FC7800						

Bottom Bracket (Road) Specifications

Series Name				SORA (Double)	SORA (Triple)	2300 (Double)	2300 (Triple)	A050
Model No.				BB-ES25	BB-ES25	BB-UN26	BB-UN26	BB-UN26
Applicable Front Chainwheel				FC-R450	FC-R453	FC-2300	FC-2303	FC-A050
Hollow Pipe				X	X	-	-	-
Cartridge Type				X	X	X	X	X
Splined Crank Arm Mounts				X	X	-	-	-
Axle Length	Hollowtech II Construction	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
	109.5 mm	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
	118.5 mm	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
	113 mm	68mm	(BC1.37)	X	-	-	-	-
		70mm	(M36)	X	-	-	-	-
	122mm	68mm	(BC1.37)	-	X	-	-	-
		70mm	(M36)	-	X	-	-	-
	MM107	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
	MM110	68mm	(BC1.37)	-	-	X	-	X
		70mm	(M36)	-	-	X	-	X
	LL113	68mm	(BC1.37)	-	-	-	X	-
		70mm	(M36)	-	-	-	X	-
	D-H (115mm)	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
	XL118	68mm	(BC1.37)	-	-	-	-	-
		70mm	(M36)	-	-	-	-	-
D-NL (122.5mm)	68mm	(BC1.37)	-	-	-	-	-	
	70mm	(M36)	-	-	-	-	-	
Note								

Freehub (Road) Specifications

Series		Dura-Ace	Ultegra	105	Non-Series	TIAGRA	2200	2200
Model No.		FH-7900	FH-6700	FH-5700-S/L	FH-R505	FH-4500	FH-2200	FH-2200-L
Spoke Hole	20H	-	-	-	-	-	-	-
	24H	X	-	-	-	-	-	-
	28H	X	-	-	-	-	-	-
	32H	X	X	X	X	X	X	X
	36H	X	X	X	X	X	X	X
	Aero spoke	24/28H	-	-	-	-	-	-
	Hole PCD	Left 44mm Right 45mm	45mm	45mm	45mm	45mm	45mm	45mm
Freehub Body	Speeds	8/9/10	8/9/10	8/9/10	8/9/10	8/9	8/9	8/9
	11T Compatible	X	X	X	X	X	X	X
O.L.D.		130mm	130mm	130mm	135mm	130mm	130mm	130mm
Flange Distance		56.9 *2	59.2	57.9	57.4mm	57.9	57.9	57.9
Dish		7.9 *2	8.9	8.4	6.7	8.4	8.6	8.6
Axle	QR Skewer Length	163mm	163mm	163mm	168mm	163mm	163mm	163mm
	Length	141mm	141mm	141mm	146mm	141mm	141mm	141mm
	Material	Aluminum	Steel	Steel	Steel	Steel	Steel	Steel
Seal		Labyrinth anc Contact	Labyrinth anc Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Single Contact	Single Contact
Freehub Body	Material	Titanium	Steel	Steel	Steel	Steel	Steel	Steel
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Machined	Anodized
CBN (Cubic Boron Nitride)	Cone Races	X	X	X	X	X	-	-
	Cup Races	X	-	-	-	-	-	-
Easy Adjust System		X	-	-				
QR Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Chrome Plated	Black Chrome Plated
Note	*Super Finishing/Quick engagement , *2 Flange Distance:8.1 ,Dish:56.5(only for 28H)				For Disc Brake/Center lock mount			

Front Hub (Road) Specifications

Series		Dura-Ace	Dura-Ace(Track)	Dura-Ace	Ultegra	105
Model No.		HB-7900	HB-7710	HB-7600	HB-6700	HB-5700-S/L
Spoke Hole	24H	X	-	-	-	-
	28H	X	X	X	-	-
	32H	X	X	X	X	X
	36H	X	X	X	X	X
	Aero Spoke	18/24/28/32H	-	-	-	-
	Hole PCD	40mm	38mm (Front) 44mm (Rear)	67mm	38mm	38mm
O.L.D.		100mm	100mm(Front) 120mm(Rear)	100mm(Front) 120mm(Rear)	100mm	100mm
Flange Distance		74.0	F:74.0 *R(Single Thread):72.5 (Double Thread):67.0	F:72.3 *R(Single Thread):75.5 (Double Thread):65.0	71.6	71.6
Axle	QR Skewer Length	133mm	-	-	133mm	133mm
	Length	108mm	142mm(M9) (Front) 164mm(M10) (Rear)	142mm(M9) (Front) 164mm(M10) (Rear)	108mm(M9)	108mm(M10)
	Material	Aluminum	Steel	Steel	Steel	Steel
Seal		Labyrinth and Contact	Dust Cap	Dust Cap	Labyrinth and Contact	Labyrinth and Contact
CBN (Cubic Boron Nitride)	Cone Races	X*	X	X	X	X
	Cup Races	X*	X	X	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
Easy Adjust System		X	-	-	-	-
QR Lever	Material	Aluminum	-	-	Aluminum	Aluminum
	Finish	Anodized	-	-	Anodized	Anodized
Radial Lacing		X	-	-	X	X
Note		*Super Finishing	*Dishing Distance R(Single Thread):2.75mm (Double Thread):0			

Front Hub (Road) Specifications

Series		Non-Series	TIAGRA	2200	2200
Model No.		HB-R505	HB-4500	HB-2200	HB-2200-L
Spoke Hole	24H	-	-	-	-
	28H	-	-	-	-
	32H	X	X	X	X
	36H	X	X	X	X
	Aero Spoke	-	-	-	-
	Hole PCD	44mm	38mm	38mm	38mm
O.L.D.		100mm	100mm	100mm	100mm
Flange Distance		60.2	71.6	71.6	71.6
Axle	QR Skewer Length	133mm	133mm	129/133mm	129/133mm
	Length	108mm(M10)	108mm(M9)	108mm(M9)	108mm(M9)
	Material	Steel	Steel	Steel	Steel
Seal		Labyrinth and Contact	Labyrinth and Contact	Single Contact	Single Contact
CBN (Cubic Boron Nitride)	Cone Races	X	X	-	-
	Cup Races	-	-	-	-
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Machined	Anodized
Easy Adjust System		-	-	-	-
QR Lever	Material	Aluminum	Aluminum	Steel	Steel
	Finish	Anodized	Anodized	Chrome Plated	Black Chrome Plated
Radial Lacing		X	X	-	-
Note		For Disc Brake/Center lock mount			

Cassette Sprocket (Road) Specifications

Series		Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace	Dura-Ace
Model No.		CS-7900	CS-7900	CS-7900	CS-7900	CS-7900	CS-7900	CS-7900	CS-7900
Speeds		10	10	10	10	10	10	10	10
Type		HG	HG	HG	HG	HG	HG	HG	HG
Combination	10	21	23	25	27	28	23	25	27
	9	19	21	23	24	24	21	23	24
	8	18	19	21	21	21	19	21	21
	7	17	17	19	19	19	18	19	19
	6	16	16	17	17	17	17	17	17
	5	15	15	15	15	15	15	16	16
	4	14	14	14	14	14	14	15	15
	3	13	13	13	13	13	13	14	14
	2	12	12	12	12	12	12	13	13
1	11	11	11	11	11	11	12	12	
Group		-	-	-	-	-	-	-	-
Chain		Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed
Spider Arm		2	2	2	2	2	2	2	2
Aluminum Lock Ring		X	X	X	X	X	X	X	X
Material	Steel	11-16T	11-16T	11-17T	11-17T	11-17T	12-17T	12-17T	12-17T
	Titanium	17-18-19-21T	17-19-21-23T	19-21-23-25T	19-21-24-27T	19-21-24-28T	18-19-21-23T	19-21-23-25T	19-21-24-27T
Finish		Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium	Ni-plated & Titanium
Note									

Cassette Sprocket (Road) Specifications

Series		Ultegra	Ultegra	Ultegra	Ultegra	Ultegra	Ultegra	Ultegra	Ultegra	Ultegra
Model No.		CS-6700	CS-6700	CS-6700	CS-6700	CS-6700	CS-6600	CS-6600	CS-6600	CS-6600
Speeds		10	10	10	10	10	10	10	10	10
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG
Combination	10	23	23	25	25	28	25	25	25	27
	9	21	21	23	23	24	23	23	23	25
	8	19	19	21	21	21	21	21	22	23
	7	17	18	19	19	19	19	20	21	22
	6	16	17	17	17	17	18	19	20	21
	5	15	16	16	15	15	17	18	19	20
	4	14	15	15	14	14	16	17	18	19
	3	13	14	14	13	13	15	16	17	18
	2	12	13	13	12	12	14	15	16	17
1	11	12	12	11	11	13	14	15	16	
Group							-	-	-	-
Chain		Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed
Spider Arm		1	1	1	1	1	1	1	1	1
Aluminum Lock Ring		X	X	X	X	X	-	-	-	-
Material	Steel	11-23T	12-23T	12-25T	11-25T	11-28T	13-25T	14-25T	15-25T	16-27T
	Titanium	-	-	-	-	-	-	-	-	-
Finish		Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated
Note							Not compatible with FH-7801 /WH-7801	*Not compatible with FH-7801 /WH-7801 *RD:Use SS cage only	*Not compatible with FH-7801 /WH-7801 *RD:Use SS cage only	*Not compatible with FH-7801 /WH-7801 *RD:Use SS cage only

Cassette Sprocket (Road) Specifications

Series		105	105	105	105	TIAGRA SORA	TIAGRA SORA	TIAGRA SORA	TIAGRA SORA	TIAGRA SORA
Model No.		CS-5700	CS-5700	CS-5700	CS-5700	CS-HG50-9	CS-HG50-9	CS-HG50-9	CS-HG50-9	CS-HG50-9
Speeds		10	10	10	10	9	9	9	9	9
Type		HG	HG	HG	HG	HG	HG	HG	HG	HG
Combination	10	25	25	27	28	-	-	-	-	-
	9	23	23	24	24	25	23	25	25	25
	8	21	21	21	21	23	21	23	23	23
	7	19	19	19	19	21	19	21	21	21
	6	17	17	17	17	19	17	19	19	19
	5	15	16	16	15	17	16	17	17	18
	4	14	15	15	14	15	15	15	16	17
	3	13	14	14	13	13	14	14	15	16
	2	12	13	13	12	12	13	13	14	15
1	11	12	12	11	11	12	12	13	14	
Group		-	-	-	-	-	-	-	-	-
Chain		Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 10-speed	Super narrow HG for 9-speed	Super narrow HG for 9-speed	Super narrow HG for 9-speed	Super narrow HG for 9-speed	Super narrow HG for 9-speed
Spider Arm		1	1	1	1	-	-	-	-	-
Aluminum Lock Ring		-	-	-	-	-	-	-	-	-
Material	Steel	11-25T	12-25T	12-27T	11-28T	11-25T	12-23T	12-25T	13-25T	14-25T
	Titanium	-	-	-	-	-	-	-	-	-
Finish		Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated
Note										

Cassette Sprocket (Road) Specifications

Series		2300	2300	2300	2300	2300
Model No.		CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8	CS-HG50-8
Speeds		8	8	8	8	8
Type		HG	HG	HG	HG	HG
Combination	10	-	-	-	-	-
	9	-	-	-	-	-
	8	21	23	25	23	26
	7	19	21	23	21	23
	6	17	19	21	19	21
	5	16	17	19	17	19
	4	15	15	17	16	17
	3	14	14	15	15	15
	2	13	13	13	14	14
1	12	12	12	13	13	
Group		S	U	W	T	V
Chain		HG	HG	HG	HG	HG
Spider Arm		-	-	-	-	-
Aluminum Lock Ring		-	-	-	-	-
Material	Steel	12-21T	12-23T	12-25T	13-23T	13-26T
	Titanium	-	-	-	-	-
Finish		Ni-plated	Ni-plated	Ni-plated	Ni-plated	Ni-plated
Note						

Chain (Road) Specifications

Series	Dura-Ace	Dura-Ace	Ultegra	Ultegra	105	105	TIAGRA	2200	2200	A050
Model No.	CN-7901	CN-7801	CN-6701	CN-6600	CN-5701	CN-5600	CN-HG53	CN-HG50	CN-HG40	CN-UG51
Type	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 10-speed	Super Narrow HG for 9-speed	HG	HG	UG
Pin Link Plate	Zinc-Alloy Plated	Zinc-Alloy plated	Zinc-Alloy Plated	Zinc-Alloy Plated	Grey	Grey	Grey	Black	Grey	Grey
Roller Link Plate	Zinc-Alloy Plated	Zinc-Alloy plated	Grey	Grey	Grey	Grey	Brown	Black	Black	Black
Chromizing Treatment Link Pin	X	X	X	X	X	X	X	X	-	-
Perforated plate	X	-	X	-	X	-	-	-	-	-
Note										

Head Parts (Road) Specifications

Series		Dura-Ace
Model No.		HP-7410
Size		JIS ENGLISH
Thread		BC1"x24T.PT.I.
Sealed Cartridge Bearings		X
Stack Height		37.6mm
Lock Nut	Material	Aluminum
	Finish	Anodized
Upper/Lower Cups	Material	Aluminum
	Finish	Anodized
Upper Stem Cone	Material	Aluminum
	Finish	Anodized
Stem Cone	Material	Aluminum
	Finish	Anodized
Note		

Wheel Specifications (MTB)

Model No.	WH-M985-F (front)	WH-M985-R (rear)	WH-M985-F15 (front)	WH-M988-F15 (front)	WH-M988-R12 (rear)	WH-M988-R (rear)
Freehub Body	Speeds	-	8/9/10	-	-	8/9/10
	11T Compatible	-	X	-	-	X
	Quick Engagement	-	X	-	-	X
	Material	-	Titanium	-	-	Titanium
O.L.D.	100mm	135mm	100mm	100mm	142mm	135mm
Hub Axle	QR	X	X	N/A (15mm thru axle)	N/A (15mm thru axle)	N/A (SM-AX75 12mm thru axle)
	Length	108mm	146mm	-	-	146mm
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized
	Seal	Contact	Contact	Contact	Contact	Contact
	Center Lock Rotor Mount	X	X	X	X	X
QR Lever	Material	Aluminum	Aluminum	-	-	Aluminum
	Finish	Anodized	Anodized	-	-	Anodized
	QR Skewer Length	133mm	168mm	-	-	168mm
Rim	Type	UST	UST	UST	UST	UST
	Size	559 X 19C (26")	559 X 19C (26")	559 X 19C (26")	559 X 21C (26")	559 X 21C (26")
	Offset rim	-	-	-	-	-
	Welded joint	X	X	X	X	X
	Material	Scandium alloy	Scandium alloy	Scandium alloy	Scandium alloy	Scandium alloy
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
	Height/Width	21mm/23.3mm	21mm/23.3mm	21mm/23.3mm	22mm/26.4mm	22mm/26.4mm
	Brazed reinforcement	X	X	X	X	X
	Requires rim tape	-	-	-	-	-
Spokes	Brake type	Disc	Disc	Disc	Disc	Disc
	No. of Spokes	24	24	24	24	24
	Gauge/Shape	Butted (2.0-1.5-2.0)/Round	Butted (2.0-1.5-2.0)/Round	Butted (2.0-1.5-2.0)/Round	Butted (2.0-1.8-2.0)/Round	Straight(2.0)/Round
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Nipple	Color	Black	Black	Black	Black	Black
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Color	Silver	Silver	Silver	Orange	Orange
Spoke Protector (Option)	-	CP-WH14A/15	-	-	CP-WH14A/15	CP-WH14A/15
Reflector (Option)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)			CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)		
Note	Recommended Tire width:1.50-2.25			Recommended Tire width:1.95-2.50		

Wheel Specifications (MTB)

Model No.	WH-MT75 (front)	WH-MT75 (rear)	WH-MT65-F15(front)	WH-MT65(front)	WH-MT65(rear)	WH-MT15(front)	WH-MT15(rear)	
Freehub Body	Speeds	-	8/9/10	-	-	8/9/10	-	8/9
	11T Compatible	-	X	-	-	X	-	X
	Quick Engagement	-	X	-	-	X	-	-
	Material	-	Steel	-	-	Steel	-	Steel
O.L.D.	100mm	135mm	100mm	100mm	135mm	100mm	135mm	
Hub Axle	QR	X	X	N/A (15mm thru axle)	X	X	X	X
	Length	108mm	146mm	-	108mm	146mm	108mm	146mm
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Shot / Anodized	Shot / Anodized
	Seal	Contact	Contact	Contact	Contact	Contact	Contact	Contact
	Center Lock Rotor Mount	X	X	X	X	X	X	X
QR Lever	Material	Aluminum	Aluminum	-	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	-	Anodized	Anodized	Anodized	Anodized
	QR Skewer Length	133mm	168mm	-	133mm	168mm	133mm	168mm
Rim	Type	UST	UST	UST	UST	UST	Clincher	Clincher
	Size	622 X 19C (29")	622 X 19C (29")	559 X 19C (26")	559 X 19C (26")	559 X 19C (26")	559 X 19C (26")	559 X 19C (26")
	Offset rim	-	-	-	-	-	-	-
	Welded joint	X	X	X	X	X	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Height/Width	21mm/23.3mm	21mm/23.3mm	21mm/23.3mm	21mm/23.3mm	21mm/23.3mm	21mm/24.6mm	21mm/24.6mm
	Brazed reinforcement	X	X	X	X	X	-	-
	Requires rim tape	-	-	-	-	-	X	X
Brake type	Disc	Disc	Disc	Disc	Disc	Disc	Disc	
Spokes	No. of Spokes	24	24	24	24	24	28	28
	Gauge/Shape	Butted (2.0-1.8-2.0)/Round	Butted (2.0-1.8-2.0)/Round	Butted (2.0-1.8-2.0)/Round	2.0-1.8-2.0/ Straight pull,Round	2.0-1.8-2.0/ Straight pull,Round	2.0/J-bent,Bladed	2.0/J-bent,Bladed
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Black	Black	Black	Black	Black	Black	Black
Nipple	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Brass	Brass
	Color	Red	Red	Silver	Silver	Silver	Silver	Silver
Spoke Protector (Option)	-	CP-WH14A/15	-	-	CP-WH14A/15	-	CP-WH12/13	
Reflector (Option)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)			CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)			CATEYE: RR-550-WUW (JIS/CPSC) RR-550-WUA (AS) RR-317-WUA (DIN)	
Note	Recommended Tire width:1.50-2.25			Recommended Tire width:1.50-2.25			Recommended Tire width:1.50-2.25	

Wheel Specifications (MTB)

Model No.	WH-M778 (front)	WH-M776 (front)	WH-M776 (rear)	WH-M775 (front)	WH-M775 (rear)	
Freehub Body	Speeds	-	-	8/9/10	-	8/9/10
	11T Compatible	-	-	X	-	X
	Quick Engagement	-	-	X	-	X
	Material	-	-	Steel	-	Steel
O.L.D.	100mm	110mm Thru Axle	135mm	100mm	135mm	
Hub Axle	QR	N/A (15mm thru axle)	N/A (20mm thru axle)	X	X	X
	Length	-	-	146mm	108mm	146mm
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized	Buffed / Shot / Anodized
	Seal	Contact	Contact	Contact	Contact	Contact
	Center Lock Rotor Mount	X	X	X	X	X
QR Lever	Material	-	-	Aluminum	Aluminum	Aluminum
	Finish	-	-	Anodized	Anodized	Anodized
	QR Skewer Length	-	-	168mm	133mm	168mm
Rim	Type	UST	UST	UST	UST	UST
	Size	559 X 19C (26")	559 X 21C (26")	559 X 21C (26")	559 X 19C (26")	559 X 19C (26")
	Offset rim	-	-	-	-	-
	Welded joint	X	X	X	X	X
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized
	Height/Width	21mm/23.3mm	22mm/26.4mm	22mm/26.4mm	21mm/23.3mm	21mm/23.3mm
	Brazed reinforcement	X	X	X	X	X
	Requires rim tape	-	-	-	-	-
Brake type	Disc	Disc	Disc	Disc	Disc	
Spokes	No. of Spokes	24	24	24	24	24
	Gauge/Shape	Butted (2.0-1.8-2.0)/Round	Straight(2.0)/Round	Straight(2.0)/Round	Butted (2.0-1.8-2.0)/Round	Butted (2.0-1.8-2.0)/Round
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Black	Black	Black	Black	Black
Nipple	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Color	Red	Red	Red	Red	Red
Spoke Protector (Option)	-	-	CP-WH14A/15	-	CP-WH14A/15	
Reflector (Option)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	
Note	Recommended Tire width:1.50-2.25	Recommended Tire width:1.95-2.50	Recommended Tire width:1.95-2.50	Recommended Tire width:1.50-2.25	Recommended Tire width:1.50-2.25	

Wheel Specifications (Road)

[Return to Top page](#)

Model No.		WH-7900-C35-CL-F	WH-7900-C35-CL-R	WH-7900-C35-TU-F	WH-7900-C35-TU-R	WH-7900-C50-TU (front)	WH-7900-C50-TU (rear)	
Freehub Body (*note)	Speeds	-	8/9/10*	-	8/9/10*	-	8/9/10*	
	11T Compatible	-	X	-	X	-	X	
	Quick Engagement	-	-	-	-	-	X	
	Material	-	Titanium	-	Titanium	-	Titanium	
O.L.D.		100mm	130mm	100mm	130mm	100mm	130mm	
Hub Axle	Length	108mm	141mm	108mm	141mm	108mm	141mm	
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	
	Seal	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	
QR Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized	
	QR Skewer Length	133mm	163mm	133mm	163mm	133mm	163mm	
Rim	Type	Clincher	Clincher	Tubular	Tubular	Tubular	Tubular	
	Size	622 X 15C (700C)	622 X 15C (700C)	700C	700C	700C	700C	
	Offset rim	-	-	-	-	-	-	
	Welded joint	-	-	-	-	-	-	
	Material	CFRP / Aluminum	CFRP / Aluminum	CFRP	CFRP	CFRP	CFRP	
	Finish	-	-	-	-	-	-	
	Height/Width	35mm/20.8mm	35mm/20.8mm	35mm/20.8mm	35mm/20.8mm	50mm/20.8mm	50mm/20.8mm	
	Brazed reinforcement	-	-	-	-	-	-	
	Requires rim tape	X	X	-	-	-	-	
Spokes	Shape	Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed(FH) Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed(FH) Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	
	Color	Black	Black	Black	Black	Black	Black	
Spoke Protector (Option)		-	CP-WH23	-	CP-WH23	-	CP-WH23	
Reflector (Option)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		
Weight **		1560g/pair		1330g/pair		1469g/pair (Front:642g,Rear:827g)		
Note		-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	
	** Weight does not include quick release			** Weight does not include quick release			** Weight does not include quick release	

Wheel Specifications (Road)

[Return to Top page](#)

Model No.		WH-7900-C50-CL (front)	WH-7900C50-CL (rear)	WH-7900-C24-TL (front)	WH-7900-C24-TL (rear)	WH-7850-C24-CL (front)	WH-7900-C24-CL (rear)
Freehub Body (*note)	Speeds	-	8/9/10*	-	8/9/10*	-	8/9/10*
	11T Compatible	-	X	-	X	-	X
	Quick Engagement	-	X	-	X	-	X
	Material	-	Titanium	-	Titanium	-	Titanium
O.L.D.		100mm	130mm	100mm	130mm	100mm	130mm
Hub Axle	Length	108mm	141mm	108mm	141mm	108mm	141mm
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized
	Seal	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact
QR Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	QR Skewer Length	133mm	163mm	133mm	163mm	133mm	163mm
Rim	Type	Clincher	Clincher	Tubeless	Tubeless	Clincher	Clincher
	Size	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C) Tubeless	622 X 15C (700C) Tubeless	622 X 15C (700C)	622 X 15C (700C)
	Offset rim	-	-	-	X	-	X
	Welded joint	X	X	X	X	X	X
	Material	CFRP / Aluminum	CFRP / Aluminum	CFRP / Aluminum	CFRP / Aluminum	CFRP / Aluminum	CFRP / Aluminum
	Finish	-	-	-	-	-	-
	Height/Width	50mm/20.8mm	50mm/20.8mm	24mm/20.8mm	23mm/20.8mm	24mm/20.8mm	23mm/20.8mm
	Brazed reinforcement	-	-	-	-	-	-
	Requires rim tape	X	X	-	-	X	X
Spokes	Shape	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.5-2.0)/Bladed	RH:Butted(2.0-1.8-2.0)/Bladed LH:Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.5-2.0)/Bladed	RH:Butted(2.0-1.8-2.0)/Bladed LH:Butted(2.0-1.5-2.0)/Bladed
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Black	Black	Black	Black	Black	Black
Spoke Protector (Option)		-	CP-WH23	-	CP-WH23	-	CP-WH23
Reflector (Option)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	
Weight **		1695g/pair (Front:755g,Rear:940g)		1420g/pair		1386g/pair (Front:592g,Rear:794g)	
Note		-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.
		Recommended Tire width 19-25C		Recommended Tire width 19-25C		Recommended Tire width 19-25C	
		** Weight does not include quick release		** Weight does not include quick release or valve stem		** Weight does not include quick release or rim tape	

Wheel Specifications (Road)

[Return to Top page](#)

Model No.		WH-7850-C24-TU (front)	WH-7850-C24-TU (rear)	WH-7850-SL (front)	WH-7850-SL (rear)	WH-RS80-C50 (front)	WH-RS80-C50 (rear)
Freehub Body (*note)	Speeds	-	8/9/10*	-	8/9/10*	-	8/9/10*
	11T Compatible	-	X	-	X	-	X
	Quick Engagement	-	X	-	X	-	-
	Material	-	Titanium	-	Titanium	-	Steel
O.L.D.		100mm	130mm	100mm	130mm	100mm	130mm
Hub Axle	Length	108mm	141mm	108mm	141mm	108mm	141mm
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Steel	Steel
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Finish	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized
	Seal	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
QR Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	QR Skewer Length	133mm	163mm	133mm	163mm	133mm	163mm
Rim	Type	Tubular	Tubular	Tubeless	Tubeless	Clincher	Clincher
	Size	700C	700C	622 X 15C (700C) Tubeless	622 X 15C (700C) Tubeless	622 X 15C (700C)	622 X 15C (700C)
	Offset rim	-	X	-	X	-	-
	Welded joint	-	-	X	X	X	X
	Material	CFRP	CFRP	Scandium alloy	Scandium alloy	CFRP / Aluminum	CFRP / Aluminum
	Finish	-	-	Anodized	Anodized	-	-
	Height/Width	24mm/20.8mm	24mm/20.8mm	24mm/20.8mm	23mm/20.8mm	50mm/20.8mm	50mm/20.8mm
	Brazed reinforcement	-	-	X	X	-	-
	Requires rim tape	-	-	-	-	X	X
Spokes	Shape	Butted(2.0-1.5-2.0)/Bladed	RH:Butted(2.0-1.8-2.0)/Bladed LH:Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.5-2.0)/Bladed	RH:Butted(2.0-1.8-2.0)/Bladed LH:Butted(2.0-1.5-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Ion plating	Ion plating	Black	Black	Black	Black
Spoke Protector (Option)		-	CP-WH23	-	CP-WH23	-	CP-WH23
Reflector (Option)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	
Weight **		1254g/pair (Front:527g,Rear:727g)		1514g/pair (Front:649g,Rear:865g)		1747g	
Note		-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.
		** Weight does not include quick release		Recommended Tire width 19-25C ** Weight does not include quick release or valve stem		Recommended Tire width 19-25C ** Weight does not include quick release or rim tape	

Wheel Specifications (Road)

[Return to Top page](#)

Model No.	WH-RS80-C24 (front)	WH-RS80-C24 (rear)	WH-6700 (front)	WH-6700 (rear)	WH-RS10A-F	WH-RS10A-R	
Freehub Body (*note)	Speeds	-	8/9/10*	-	8/9/10*	-	8/9/10*
	11T Compatible	-	X	-	X	-	X
	Quick Engagement	-	-	-	X	-	-
	Material	-	Steel	-	Steel	-	Steel
O.L.D.		100mm	130mm	100mm	130mm	100mm	130mm
Hub Axle	Length	108mm	141mm	108mm	141mm	108mm	141mm
	Material	Steel	Aluminum	Aluminum	Aluminum	Steel	Steel
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Finish	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Shot / Anodized	Shot / Anodized
	Seal	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
QR Lever	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	QR Skewer Length	133mm	163mm	133mm	163mm	133mm	163mm
Rim	Type	Clincher	Clincher	Tubeless	Tubeless	Clincher	Clincher
	Size	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C) Tubeless	622 X 15C (700C) Tubeless	622 X 15C (700C)	622 X 15C (700C)
	Offset rim	-	X	-	X	-	X
	Welded joint	X	X	X	X	-	-
	Material	CFRP / Aluminum	CFRP / Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	-	-	Anodized	Anodized	Anodized	Anodized
	Height/Width	24mm/20.8mm	23mm/20.8mm	24mm/20.8mm	23mm/20.8mm	24mm/20.8mm	24mm/20.8mm
	Brazed reinforcement	-	-	X	X	-	-
	Requires rim tape	X	X	-	-	X	X
Spokes	Shape	Butted(2.0-1.5-2.0)/Bladed	RH:Butted(2.0-1.8-2.0)/Bladed LH:Butted(2.0-1.5-2.0)/Bladed	2.0-1.5-2.0/ Straight pull,Bladed	RH:2.0-1.8-2.0/ Straight pull,Bladed LH:2.0-1.5-2.0/ Straight pull,Bladed	Straight(2.0)/Bladed	Straight(2.0)/Bladed
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Silver	Silver	Black	Black	Black/Silver	Black/Silver
Spoke Protector (Option)		-	CP-WH23	-	CP-WH23	-	CP-WH23
Reflector (Option)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)		CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)
Weight **		1495g		1652g/pair (Front:695g,Rear:957g)		1892g/pair (Front:811g,Rear:1081g)	
Note	-		*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10- speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.
	Recommended Tire width 19-25C		Recommended Tire width 19-25C		Recommended Tire width 19-25C		
** Weight does not include quick release or rim tape		** Weight does not include quick release or valve stem		** Weight does not include quick release or rim tape			

Wheel Specifications (Road)

[Return to Top page](#)

Model No.	WH-RS20A-F	WH-RS20A-R	WH-RS30A-F	WH-RS30A-R	WH-R500-A (front)	WH-R500-A (rear)	
Freehub Body (*note)	Speeds	-	8/9/10*	-	8/9/10*	-	8/9/10*
	11T Compatible	-	X	-	X	-	X
	Quick Engagement	-	-	-	-	-	-
	Material	-	Steel	-	Steel	-	Steel
O.L.D.		100mm	130mm	100mm	130mm	100mm	130mm
Hub Axle	Length	108mm	141mm	108mm	141mm	108mm	141mm
	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Hub Shell	Finish	Polish / Anodized	Polish / Anodized	Polish / Anodized	Polish / Anodized	Anodized	Anodized
	Seal	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact	Labyrinth and Contact
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
QR Lever	Finish	Anodized	Anodized	Anodized	Anodized	Barrel	Barrel
	QR Skewer Length	133mm	163mm	133mm	163mm	133mm	163mm
	Type	Clincher	Clincher	Clincher	Clincher	Clincher	Clincher
Rim	Size	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C)	622 X 15C (700C)
	Offset rim	-	X	-	X	-	-
	Welded joint	-	-	-	-	-	-
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Anodized	Anodized	Anodized	Anodized
	Height/Width	24mm/20.8mm	24mm/20.8mm	30mm/20.8mm	30mm/20.8mm	24mm/20.8mm	24mm/20.8mm
	Brazed reinforcement	-	-	-	-	-	-
	Requires rim tape	X	X	X	X	X	X
Spokes	Shape	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Butted(2.0-1.8-2.0)/Bladed	Straight(2.0)/Bladed	Straight(2.0)/Bladed
	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Black/Silver	Black/Silver	Black	Black	Black	Black
Spoke Protector (Option)	-	CP-WH23	-	CP-WH23	-	CP-FH02 (21-25T) CP-FH35 (27T)	
Reflector (Option)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CAT EYE : RR-550-WUW SW (CPSC/JIS/BS), RR-550-WUA SW (AS), RR-317-WUA SW (DIN)	CATEYE: RR-550-WUW/W SMN03 (JIS/CPSC) RR-550-WUA/A SMN03 (AS) RR-317-WUA/4K SMN03 (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	
Weight **	1849g/pair (Front:793g,Rear:1055g)		1962g/pair (Front:846g,Rear:1116g)		1900g/pair (Front:822g,Rear:1078g)		
Note	-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	-	*Can be used for 10-speed with an additional spacer.	
	Recommended Tire width 19-25C		Recommended Tire width 19-25C		Recommended Tire width 19-28C		
	** Weight does not include quick release or rim tape		** Weight does not include quick release or rim tape		** Weight does not include quick release or rim tape		

Wheel Specifications (Road)

[Return to Top page](#)

Model No.	WH-R500 (front)	WH-R500 (rear)
Freehub Body (*note)	Speeds	8/9/10*
	11T Compatible	X
	Quick Engagement	-
	Material	Steel
O.L.D.		100mm
Hub Axle	Length	108mm
	Material	Steel
Hub Shell	Material	Aluminum
	Finish	Anodized
	Seal	Labyrinth and Contact
QR Lever	Material	Aluminum
	Finish	Barrel
	QR Skewer Length	133mm
Rim	Type	Clincher
	Size	622 X 15C (700C)
	Offset rim	-
	Welded joint	-
	Material	Aluminum
	Finish	Anodized
	Height/Width	24mm/20.8mm
	Brazed reinforcement	-
	Requires rim tape	X
Spokes	Shape	Straight(2.0)/Round
	Material	Stainless Steel
	Color	Black
Spoke Protector (Option)		- CP-FH02 (21-25T) CP-FH35 (27T)
Reflector (Option)		CATEYE: RR-550-WUW/W SMN03 (JIS/CPSC) RR-550-WUA/A SMN03 (AS) RR-317-WUA/4K SMN03 (DIN) CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)
Weight **		1900g/pair (Front:822g,Rear:1078g)
Note	-	
	*Can be used for 10-speed with an additional spacer.	
	Recommended Tire width 19-28C	
** Weight does not include quick release or rim tape		

Wheel Specifications (Trekking)

Model No.		WH-S501-3D (front)	WH-S501-8D (rear)	WH-S501-V-3D (front)	WH-S500-V (no dynamo front)	WH-S501-V-8D (rear)
Freehub Body	Speeds	-	8 internal	-	-	8 internal
	11T Compatible	-	-	-	-	-
	Material	-	-	-	-	-
O.L.D.		100mm	135mm	100mm	100mm	135mm
Hub Axle	QR	X	-	X	X	-
	Length	108mm	185mm	108mm	108mm	185mm
	Material	Steel	Steel	Steel	Steel	Steel
Hub Shell	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized	Buffed / Anodized
	Seal	Contact	Labyrinth and Contact	Contact	Contact	Labyrinth and Contact
	Center Lock Rotor Mount	X	X	X	X	X
QR Lever	Material	Aluminum	-	Aluminum	Aluminum	-
	Finish	Anodized	-	Anodized	Anodized	-
	QR Skewer Length	133mm	-	133mm	133mm	-
Rim	Type	Clincher	Clincher	Clincher	Clincher	Clincher
	Size	622 X 17C (700C-28")	622 X 17C (700C-28")	622 X 19C (700C-28")	622 X 19C (700C-28")	622 X 19C (700C-28")
	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Anodized	Anodized	Barrel / Anodized	Barrel / Anodized	Barrel / Anodized
	Height/Width	22mm/23.2mm	22mm/23.2mm	20.0mm/23.5mm	20.0mm/23.5mm	20.0mm/23.5mm
	Requires rim tape	X	X	X	X	X
Spokes	Brake type	Disc	Disc	Rim and Disc	Rim and Disc	Rim and Disc
	No. of Spokes	24	24	24	24	24
	Gauge/Shape	Butted(2.3-1.8-2.3)/Round	Butted(2.3-1.8-2.3)/Round	Butted(2.3-1.8-2.3)/Round	Butted(2.3-1.8-2.3)/Round	Butted(2.3-1.8-2.3)/Round
Nipple	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
	Color	Black	Black	Black	Black	Black
	Material	Brass	Brass	Brass	Brass	Brass
Spoke Protector (Option)	Color	Black coated	Black coated	Black coated	Black coated	Black coated
		-	-	-	-	-
Reflector (Option)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)
Weight *	3733g/pair (Front:1351g,Rear:2388g)		1308g	895g	2345g	
Note	Recommended Tire width:25-37C		Recommended Tire width:28-47C	Recommended Tire width:28-47C	Recommended Tire width:28-47C	
	6V 3.0W Sports Dynamo		6V 3.0W Sports Dynamo	No dynamo for front	Black and Silver Version Available	
	Black and Silver Version Available		Black and Silver Version Available	Black and Silver Version Available	Black and Silver Version Available	
	* Weight does not include quick release or rim tape ** Accessories are sold separately		* Weight does not include quick release or rim tape ** Accessories are sold separately	* Weight does not include quick release or rim tape	* Weight does not include quick release or rim tape ** Accessories are sold separately	

Wheel Specifications (Trekking)

Model No.		WH-T565 (front)	WH-T565 (rear)
Freehub Body	Speeds	-	8/9
	11T Compatible	-	X
	Material	-	Steel
O.L.D.		100mm	135mm
Hub Axle	QR	X	X
	Length	133mm	168mm
	Material	108mm	146mm
Hub Shell	Material	Steel	Steel
	Finish	Contact	Contact
	Seal	Aluminum	Aluminum
	Center Lock Rotor Mount	Shot/Anodized	Shot/Anodized
QR Lever	Material	Aluminum	Aluminum
	Finish	Barrel	Barrel
	QR Skewer Length	X	X
Rim	Type	Clincher	Clincher
	Size	622 X 19C (28")	622 X 19C (28")
	Material	Aluminum	Aluminum
	Finish	Anodized	Anodized
	Height/Width	22mm/25.2mm	22mm/25.2mm
	Requires rim tape	X	X
Spokes	Brake type	Rim and Disc	Rim and Disc
	No. of Spokes	24	24
	Gauge/Shape	Straight(2.3)/Bladed	RH:Straight (2.0)/Bladed LH:Straight (2.3)/Bladed
	Material	Stainless Steel	Stainless Steel
Nipple	Color	Black	Stainless Steel
	Material	Aluminum	Aluminum
Spoke Protector (Option)	Color	Silver	Silver
		-	CP-WH10/WH11
Reflector (Option)	CATEYE: RR-550-WUW SW W/O BRACKET (JIS/CPSC) RR-550-WUA SW W/O BRACKET (AS) RR-317-WUA SW W/O BRACKET (DIN)		
Weight *	1113g	1260g	
Note	Recommended Tire width:28-47C		
	* Weight does not include quick release or rim tape		

Pedal Specifications

Model No.	PD-7900	PD-7810	PD-6700	PD-R670	PD-5700	PD-R540
Type	Road	Road	Road	Road	Road	Road
SPD-SL	Single Sided	Single Sided	Single Sided	Single sided	Single Sided	Single Sided
Pedal Axle Material	Nickel Chromoly Steel	Nickel Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel
Cartridge Axle	-	-	X	X	X	X
Sealed Mechanism	X	X	X	X	X	X
Cleat Retention Adjuster	X	X	X	X	X	X
Cleat Included	SM-SH11	SM-SH11	SM-SH11	SM-SH11	SM-SH11	SM-SH11
Optional Cleat	SM-SH10	SM-SH10	SM-SH10	SM-SH10	SM-SH10	SM-SH10
Reflector	SM-PD58	SM-PD58	SM-PD58	SM-PD58	SM-PD58	SM-PD58
Pedal Body	Material	Carbon	Aluminum	Aluminum	Aluminum	Aluminum
	Finish	Painted	Polished / Clear coated	Painted	Painted	Painted
Body Cover Material	Polished Special Stainless	Special Stainless	Polished Special Stainless	Polished Special Stainless	Stainless	Resin
Wide Platform	x	x	X	X	X	-
Road Clearance	35°	35°	34°	34°	34°	34°
Weight(pair)	248g	278g	314g	314g	322g	330g
Note					Silver and Black Version Available	Silver and Black Version Available

Pedal Specifications

Model No.	PD-M985	PD-M980	PD-M770	PD-M647	PD-MX30	PD-M545	PD-M540	PD-M424	PD-M520	
Type	Off-Road	Off-Road	Off-Road	Off-Road/BMX	Off-Road/BMX Flat Pedal	Off-Road/BMX	Off-Road	Off-Road/BMX	Off-Road	
SPD	Dual Sided	Dual Sided	Dual Sided	Dual Sided	Non-SPD	Dual Sided	Dual Sided	Dual Sided	Dual Sided	
Pedal Axle Material	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	
Cartridge Axle	X	X	X	X	X	X	X	X	X	
Sealed Mechanism	X	X	X	X	X	X	X	X	X	
Cleat Retention Adjuster	X	X	X	X	-	X	X	X	X	
Pop-up Cage	-	-	-	X	-	X	-	X	-	
Integrated cage	X	-	-	-	-	-	-	-	-	
Offset binding	-	X	-	-	-	-	-	-	-	
Oval shape axle body housing	X	X	-	-	-	-	-	-	-	
Cleat Included	SM-SH51	SM-SH51	SM-SH51	SM-SH51	-	SM-SH51	SM-SH51	SM-SH51	SM-SH51	
Optional Cleat	SM-SH56	SM-SH56	SM-SH56	SM-SH56	-	SM-SH56	SM-SH56	SM-SH56	SM-SH56	
Reflector	SM-PD60	SM-PD60	SM-PD22	SM-PD60	Y41B98010	SM-PD40	SM-PD22	SM-PD40	SM-PD22	
Pedal Body	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Painted	Painted	Anodized	Painted	Painted	Anodized	Centrifugal Barrel	Barrel Barrel (silver) /Painted (black) /Painted(white)	
Cage	Material	-	-	-	Resin	-	Aluminum	-	Resin	
Weight(pair)		398g	310g	350g	568g	492g	567g	352g	472g	380g
Note							Silver and Bronze Version Available		Silver, Black and white Version Available	

Pedal Specifications

Model No.	PD-M505	PD-M324	PD-A600	PD-A530	PD-A520	
Type	Off-Road	Multi-purpose	Sport	Sport / Multi-purpose	Sport	
SPD	Dual Sided	Single Sided	Single Sided	Single Sided	Single Sided	
Pedal Axle Material	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	Chromoly Steel	
Cartridge Axle	-	-	X	X	X	
Sealed Mechanism	X	X	X	X	X	
Cleat Retention Adjuster	X	X	X	X	X	
Pop-up Cage	-	-	-	-	-	
Integrated cage	-	-	-	-	-	
Offset binding	-	-	-	-	-	
Oval shape axle body housing	-	-	-	-	-	
Cleat Included	SM-SH51	SM-SH56	SM-SH51	SM-SH51	SM-SH51	
Optional Cleat	SM-SH56	SM-SH51	SM-SH56	SM-SH56	SM-SH56	
Reflector	SM-PD22	Y41B98010	SM-PD62	SM-PD61	SM-PD59	
Pedal Body	Material	Aluminum	Aluminum	Aluminum	Aluminum	
	Finish	Barrel/Painted	Painted	High Finishing /Painted	Painted	High Finishing
Cage	Material	-	Steel	-	-	
Weight(pair)		443g	533g	286g	383g	315g
Note		Silver and Black Version Available		Silver and Black Version Available		

Cycle Computer (Head Display unit) Specifications

Head Display unit Model No.	SC-7900	SC-6502
Rear Speeds	10	7-10
Front Speeds	Single/Double/Triple	Single/Double/Triple
4 different wheel size programs	X	X
Wheel size range	1300mm-2400mm	X
Wireless Speed Sensor	X	X
Wireless Heart rate chest belt	X	-
Mode & Start/Stop switch	Right & Left	Right & Left
ODO Meter Reset	X	X
Auto Start & Auto Stop	X	X
Current Speed	X	X
Clock	X	X
Trip Time	X	X
Trip Distance	X	X
ODO Meter	X	X
Stop Watch	X	X
Stop Watch-Trip Distance	-	X
Stop Watch-Average Speed	-	X
Stop Watch-Maximum Speed	-	X
Cadence available	X	X
Main Display Cadence	X	X
Maximum Speed	X	X
Average Speed	X	X
Lap Counter	-	X
Automatic Lapping	X	-
Files in memory	100	-
Laps with recall	99	-
Calorie consumption	X	-
Continuous accurate heart rate (% / bpm)	X	-
Maximum heart rate	X	-
Average heart rate	X	-
Target zones with visual & audible alarm	X	-
Altitude, ascent	X	-
Inclinometer	X	-
Gear Teeth Number (Digital) available	X	X
Gear Indicator (Bar) available	X	X
Pace Arrow	X	X
Low Battery Display	X	X
Download Exercise data to PC	X	-
Wireless USB adaptor	X	-
Planning and Analysis software	X	-
For Dura Ace Di2	Battery Indicator	X
	Adjust indicator	X
Note	Compatible Shift lever with ST-7900,ST-7970,ST-7971	

Cycle Computer (Head Display unit) Specifications

Head Display unit Model No.	SC-TX30	SC-TX31
7 different wheel size programs (20"-22"-24"-26"-27"-28"-700C)	X	-
ODO Meter Reset	-	-
Front single gear available	-	-
Auto Start & Auto Stop	X	X
Water Resistant (1bar)	X	X
Current Speed	X	-
Clock	X	-
Trip Time	-	-
Trip Distance	-	-
ODO Meter	X	-
Stop Watch	-	-
Back Light (EL)	-	-
Stop Watch-Trip Distance	-	-
Stop Watch-Average Speed	-	-
Stop Watch-Maximum Speed	-	-
Cadence Available	-	-
Main Display Cadence	-	X
Maximum Speed	-	-
Average Speed	-	-
Lap Counter	-	-
Gear Number (Digital) Available	-	-
Gear Teeth Number (Digital) Available	-	-
Gear Ratio Available	-	-
Gear Indicator (Bar) Available	-	-
Pace Arrow	-	-
Low Battery Display	-	-
Note	Use with SM-TX30	Use with SC-TX50/SM-TX50/SM-TX30

Head Display unit Model No.	SC-FT50
Summary Wheel Size Setting (20"-22"-24"-26"-27"-28"-700-23C,25C,28C)	X
Current Time	X
Current Heart Rate	X
Maximum Heart Rate	X
Average Heart Rate	-
Exercise Intensity (Only graphic)	X
Calorie consumption	X
Current Speed	X
Maximum Speed	-
Lap Counter	-
Cyclink Time(Effective Exercise Time)	X
Traveling Time	X
Stop Watch	-
Current Time	X
Trip Distance	X
Stop Watch-Trip Distance	-
Exercise recording	X
Back Light	-
Auto Start & Auto Stop	X
Low Battery Display	X
Cadence Available	-
Gear Number (Digital) Available	-
PC Link (application software)	X
Heart rate curve diagram	X
Speed curve diagram	X
Exercise time diagram	X
Trip Distance diagram	X
Calorie consumption diagram	X
Custom diagraph *	X
Goal Attainment Rate	X
Exercise Adviser	X
Calender	X
ODO Meter	X
ODO Meter Reset	X
Average Speed	X
Setting Function on PC	X
Note	For Japanese market only *User can make diagram to taste up to 20

Cycle Computer (Harness kit) Specifications

Harness Kit Model No.	SM-SC70	SM-6502	SM-6501-A	SM-6500-RS
Compatible Head Display Unit	SC-6502	SC-6502	SC-6502/6501	SC-6502/6501
Compatible Shift Lever	ST-7801	ST-7801	ST-7703	ST-7703
	ST-7803	ST-7803	ST-7700-C	ST-7700-C
	ST-6600-S	ST-6600-S	ST-6510	ST-6510
	ST-6600-G	ST-6600-G	ST-5510	ST-5510
	ST-6603-S	ST-6603-S	ST-4400	ST-4400
	ST-6603-G	ST-6603-G	ST-3300	ST-3300
	ST-5600	ST-5600	ST-3304	ST-3304
	ST-R700	ST-R700	ST-R600	ST-R600
Wireless Speed Sensor	X	-*	X	-
Connector Joint	-	-	-	-
Mode & Start/Stop switch	Right & Left	Right & Left	Right & Left	Right & Left
Hands-on-levers Control Capability	X	X	X	X
Cadence	X	X	X	X
Main Display Cadence	X	X	X	X
Gear Teeth Number (Digital)	SC-6502	SC-6502	SC-6501/6502	SC-6501/6502
Gear Indicator (Bar)	X	X	X	X
Note		*1350mm cable length for rear wheel		

Adapter Model No.		SM-C050WCA1	SM-C050WCA2
Clamp band for switch of SC-C052	Clamp band diameter	-	-
Sensor code adapter for front fork	Front fork diameter	18.0-44.0mm	-
	Number of installation cords	2	-
Sensor code adapter for brake cable	Number of installation cords	-	2

CI-Deck Specifications

Series	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney	Tourney
Model No.	ID-TX55-6R	ID-TX55-7R	ID-TX55-LC	ID-TX55-LN	ID-TX50-6R	ID-TX50-7R	ID-TX50-LN	ID-TX50-L	ID-TX50-LC	SM-TX50	SM-TX30	SM-TX31	SM-TX32
Compatible Shift Lever	SL-RS35/41 /41A/43/44	SL-RS35/41 /41A/43/44	-	-	SL-RS31/41/43	SB-C055A SL-RS31/41 /41A/43	SB-C055A SL-RS31/41 /41A/43	SB-C055A SL-RS31/41 /41A/43	SL-RS31	-	-	-	-
Front	-	-	-	Friction	-	-	Friction	3-speed	-	-	-	-	-
Rear	6-speed SIS	7-speed SIS	-	-	6-speed SIS	7-speed SIS	-	-	-	-	-	-	-
SL Compatible RD Type	Top normal	Top normal	-	-	Top normal	Top normal	-	-	-	-	-	-	-
CID Cable	Stainless Steel	Stainless Steel	-	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	-	-	-	-	-
CID Cable Type	TX50	TX50	-	TX50	TX50	TX50	TX50	TX50	-	-	-	-	-
CID Cable Adjust	X	X	-	X	X	X	X	X	-	-	-	-	-
Optical Gear Display	Front	-	-	Friction	-	-	Friction	3-speed	-	-	-	-	-
	Rear	6-speed	7-speed	-	-	6-speed	7-speed	-	-	-	-	-	-
Stainless CID Cable	X	X	-	X	X	X	X	X	-	-	-	-	-
Clamp Band Diameter	22.2mm	-	-	-	-	-	-	-	-	-	-	-	-
	25.0mm	-	-	-	-	-	-	-	-	-	-	-	-
	22.2/25.0mm	-	-	-	-	-	-	-	-	X	X	-	-
C.I.D Upper Cover	Material	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	-	-	-
	Color	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	-	-	-
C.I.D Body	Material	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	-	-	-
	Color	Black	Black	Black	Black	Black	Black	Black	Black	Black	-	-	-
Clamp Band	Material	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	-
	Color	Black	Black	Black	Black	Black	Black	Black	Black	Black	-	-	-
Note	It uses together with SM-TX30/55.	It uses together with SM-TX30/55.	It uses together with SM-TX30/55.	It uses together with SM-TX30/55.	Use with SM-TX50/30,SC-TX50	Use with SM-TX50/30,SC-TX50	Use with SM-TX50/30,SC-TX50	Use with SM-TX50/30,SC-TX50	Use with SM-TX50/30,SC-TX50 No gear position & display for front single crankset bicycle.	Bracket for ID-TX50/SC-TX31/SM-TX32	Bracket for ID-TX50/SC-TX30/SC-TX31/SM-TX31/SM-TX32	Cowling Use with SM-TX30.	Analog compass Use with SM-TX50/30,SC-TX50

Lamp-Battery case Specifications

Lamp		LP-R600	LP-NX60	LP-NX40	LP-FTX3	LP-C050A-ATJ
Auto Light		-	X	X	X	X
Type		9.6V-5.0W	6V-2.4W	6V-2.4W	6V-2.4W	6V-2.4W
Main lamp		Flange type(Halogen)	1W Super Bright White LED	1W Super Bright White LED	1W Super Bright White LED	Screw type (Xenon)
Sub lamp		Super Bright White LED	Super Bright White LED	-	-	-
LED flashing function		-	× (by Main LED : 1W Super Bright White LED)	-	-	-
Electric Power Input		+ and -	+ and - (Tab-on type / Connector type)	+ and - (Tab-on type / Connector type)	+ and -	+ and -
Lamp body	Material	Resin	Resin	Resin	Resin	Resin
	Finish	Painted	Painted	Painted	Painted	-
Attachment Position		Above handlebar	Front fork Light stay	Front fork Light stay	Front fork Light stay / Front fork center	Front fork Light stay
Clamp Band Diameter		31.8/25.8/22.2mm	-	-	-	-
Switch	Auto	-	X	X	X	X
	Manual	X	-	-	-	-
Note		Only for Japanese market For 3.0W Dynamo	Only for Japanese market /With connection wire cable	Only for Japanese market /With connection wire cable	Only for Japanese market /With connection wire cable	Only for Japanese market /With connection wire cable

Hub-Dynamo Specifications

Series		Non-Series	Alfine	Deore LX	Non-Series	Non-Series	Non-Series	Non-Series
Model No.		DH-T708	DH-S501	DH-T665	DH-3D72	DH-3D35-QR	DH-3D30-QR	DH-3D30-NT
Type		For disc Brake	For disc brake	For disc brake	For disc brake	For disc brake	For disc brake	For disc brake
Center Lock Mount Type		X	X	X	X	X	-	-
Voltage		6V	6V	6V	6V	6V	6V	6V
Output		3.0W	3.0W	3.0W	3.0W	3.0W	3.0W	3.0W
QR type		-	X	X	X	X	X	-
Nut type		X (SM-AX60)	-	-	-	-	-	X
Over Locknut Dim.		100mm	100mm	100mm	100mm	100mm	100mm	100mm
Flange Distance		79.6mm	52.1	52.1	52.1	51mm	51mm	51mm
Offset		3.9	3.8	3.8	3.8	4mm	4mm	4mm
Hole Reference (PCD)		70mm	70mm	70mm	70mm	74mm	74mm	74mm
Axle Length		135.2 (SM-AX60)	108mm	108mm	108mm	108mm	108mm	140mm
Spoke Size		#14	#14	#14	#14	#14	#14	#14
Seal		Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Spoke Hole	24H	-	-	-	-	-	-	-
	28H	-	-	-	-	-	-	-
	32H	X	X	X	X	X	X	-
	36H	X	X	X	X	X	X	X
Wheel Size	26-28inch	X	X	X	X	X	-	-
	16-28inch	-	-	-	-	-	X	X
	20-24inch	-	-	-	-	-	-	-
	24-28inch	-	-	-	-	-	-	-
	16-20inch	-	-	-	-	-	-	-
Compatible wheel size (mm)		646-716mm	646-716mm	646-716mm	646-716mm	646-716mm	400-716mm	400-716mm
Roller Brake Modulator Grade	More than 26inch							
Electric power output connector	High	-	-	-	-	-	-	-
	Standard	-	-	-	-	-	-	-
	20-24inch	-	-	-	-	-	-	-
J1 TYPE	J1 TYPE	-	-	-	-	-	-	-
	J2 TYPE	-	-	-	-	-	-	-
	E2 TYPE	X	X	X	X	X	X	X
	For ECOVISION type(2 terminal)	-	-	-	-	-	-	-
Finish		Anodized	Anodized	Anodized	Anodized	Painted	Painted	Painted
Color		Anodized	Anodized (Silver/Black)	Anodized	Anodized	Silver	Clear	Clear
Cooling fin on roller brake		-	-	-	-	-	-	-
Note		8mm E-thru, Shimano logo	Alfine color and logo					

Hub-Dynamo Specifications

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	Deore LX	Deore LX	Non-Series
Model No.		DH-2D30-QR	DH-2D30-NT	DH-3N80	DH-2N80E	DH-3N72	DH-2N72	DH-T660-3N	DH-T660-2N	DH-3N30-QR
Type		For disc brake	For disc brake	Regular	Regular	Regular	Regular	Regular	Regular	Regular
Center Lock Mount Type		-	-	-	-	-	-	-	-	-
Voltage		6V	6V	6V	6V	6V	6V	6V	6V	6V
Output		2.4W	2.4W	3.0W	2.4W	3.0W	2.4W	3.0W	2.4W	3.0W
QR type		-	-	X	X	X	X	X	X	X
Nut type		X	X	-	-	-	-	-	-	-
Over Locknut Dim.		100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm
Flange Distance		51mm	51mm	60.0	60.0	60.0	60.0	60.0	60.0	60mm
Offset		4mm	4mm	0	0	0	0	0	0	0
Hole Reference (PCD)		74mm	74mm	70mm	70mm	70mm	70mm	70mm	70mm	74mm
Axle Length		108mm	140mm	108mm	108mm	108mm	108mm	108mm	108mm	108mm
Spoke Size		#14	#14	#14	#14	#14	#14	#14	#14	#14
Seal		Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Spoke Hole	24H	-	-	-	-	-	-	-	-	-
	28H	-	-	-	-	-	-	-	-	X
	32H	-	-	X	X	X	X	X	X	X
	36H	X	X	X	X	X	X	X	X	X
Wheel Size	26-28inch	-	-	X	X	X	X	X	X	-
	16-28inch	X	X	-	-	-	-	-	-	X
	20-24inch	-	-	-	-	-	-	-	-	-
	24-28inch	-	-	-	-	-	-	-	-	-
	16-20inch	-	-	-	-	-	-	-	-	-
Compatible wheel size (mm)		400-716mm	400-716mm	646-716mm	646-716mm	646-716mm	646-716mm	646-716mm	646-716mm	400-716mm
Roller Brake Modulator Grade	More than 26inch									
Electric power output connector	High	-	-	-	-	-	-	-	-	-
	Standard	-	-	-	-	-	-	-	-	-
	20-24inch	-	-	-	-	-	-	-	-	-
	J1 TYPE	-	-	-	-	-	-	-	-	-
Electric power output connector	J2 TYPE	-	-	-	-	-	-	-	-	-
	E2 TYPE	X	X	X	X	X	X	X	X	X
	For ECOVISION type(2 terminal)	-	-	-	-	-	-	-	-	-
Finish		Painted	Painted	Anodized	Anodized	Anodized/Painted	Anodized	Anodized	Anodized	Painted
Color		Clear	Clear	Anodized	Anodized	Anodized/Black	Anodized	Anodized	Anodized	Silver/Black
Cooling fin on roller brake		-	-	-	-	-	-	-	-	-
Note				Weight : 490g	Weight : 490g			w/ LX logo	w/ LX logo	

Hub-Dynamo Specifications

Series		Non-Series	Non-Series	Non-Series	CAPREO		Non-Series	Non-Series	Non-Series	Non-Series
Model No.		DH-3N20 (NT)	DH-2N35-QR	DH-2N35-NT	DH-F703	DH-F702	DH-F703-S	DH-F702-S	DH-3R35(QR)	DH-3R30(QR)
Type		Regular	Regular	Regular	Regular	Regular	Regular	Regular	For hub roller brake	For hub roller brake
Center Lock Mount Type		-	-	-	-	-	-	-	-	-
Voltage		6V	6V	6V	6V	6V	6V	6V	6V	6V
Output		3.0W	2.4W	2.4W	3.0W	2.4W	3.0W	2.4W	3.0W	3.0W
QR type		-	X	-	X	X	X	X	X	X
Nut type		X	-	X	-	-	-	-	-	-
Over Locknut Dim.		100mm	100mm	100mm	74mm	74mm	74mm	74mm	100mm	100mm
Flange Distance		60mm	60mm	60mm	44.6	44.6	44.6	44.6	58.1	58.1
Offset		0	0	0	0	0	0	0	4.7	4.7
Hole Reference (PCD)		74mm	74mm	74mm	74mm	74mm	74mm	74mm	74mm	74mm
Axle Length		140mm	108mm	140mm	82mm	82mm	82mm	82mm	108mm	108mm
Spoke Size		#14	#14	#14	#14	#14	#14	#14	#14	#14
Seal		Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Spoke Hole	24H	-	-	-	X	X	X	X	-	-
	28H	X	X	-	-	-	-	-	-	-
	32H	X	X	-	-	-	-	-	-	-
	36H	X	X	X	-	-	-	-	X	X
Wheel Size	26-28inch	-	-	-	-	-	-	-	X	X
	16-28inch	X	X	X	-	-	-	-	-	-
	20-24inch	-	-	-	-	-	-	-	-	-
	24-28inch	-	-	-	-	-	-	-	-	-
	16-20inch	-	-	-	X	X	X	X	-	-
Compatible wheel size (mm)		400-716mm	400-716mm	400-716mm	400-536mm	400-536mm	400-536mm	400-536mm	646-716mm	646-716mm
Roller Brake Modulator Grade	More than 26inch									
Electric power output connector	High	-	-	-	-	-	-	-	X	X
	Standard	-	-	-	-	-	-	-	X	X
	20-24inch	-	-	-	-	-	-	-	-	-
	J1 TYPE	-	-	-	-	-	-	-	-	-
For ECOVISION type (2 terminal)	J2 TYPE	-	-	-	-	-	-	-	-	-
	E2 TYPE	X	X	X	X	X	X	X	X	X
		-	-	-	-	-	-	-	-	-
Finish		Painted	Painted	Painted	Anodized	Anodized	Painted	Painted	Painted	Painted
Color		Silver/Black	Silver/Black	Silver/Black	Silver	Silver	Silver	Silver	Silver	Silver
Cooling fin on roller brake		-	X	X	X	X	X	X	-	-
Note										

Hub-Dynamo Specifications

Series		Non-Series	Non-Series	Non-Series	Non-Series	Non-Series	NEXUS	NEXUS	NEXUS	Non-Series
Model No.		DH-3R35(NT)	DH-3R30(NT)	DH-2R35-E	DH-2R30-E	DH-2R30-ES	DH-3NA1	DH-2N30-J	DH-2N30-JC	DH-2N30-JW
Type		For hub roller brake	For hub roller brake	For hub roller brake	For hub roller brake	For hub roller brake	Regular	Regular	Regular	Regular
Center Lock Mount Type		-	-	-	-	-	-	-	-	-
Voltage		6V	6V	6V	6V	6V	6V	6V	6V	6V
Output		3.0W	3.0W	2.4W	2.4W	2.4W	3.0W	2.4W	2.4W	2.4W
QR type		-	-	-	-	-	-	-	-	-
Nut type		X	X	X	X	X	X	X	X	X
Over Locknut Dim.		100mm	100mm	100mm	100mm	100mm	100mm	93mm	93mm	100mm
Flange Distance		58.1	58.1	58.1mm	58.1mm	58.1mm	60.0	60.0	60.0	60.0
Offset		4.7	4.7	4.7	4.7	4.7	0	0	0	2.7
Hole Reference (PCD)		74mm	74mm	74mm	74mm	74mm	80mm	74mm	74mm	74mm
Axle Length		140mm	140mm	140mm	140mm	140mm	140mm	150mm	150mm	140mm
Spoke Size		#14	#14	#14	#14	#14	#14	#14	#14	#14
Seal		Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Spoke Hole	24H	-	-	-	-	-	-	-	-	-
	28H	-	-	-	-	X	-	-	X	-
	32H	-	-	X	X	-	-	-	-	-
	36H	X	X	X	X	X	X	X	-	X
Wheel Size	26-28inch	X	X	X	X	-	X	-	-	-
	16-28inch	-	-	-	-	-	-	-	-	-
	20-24inch	-	-	-	-	-	-	X	X	-
	24-28inch	-	-	-	-	-	-	X	-	X
	16-20inch	-	-	-	-	X	-	-	-	-
	Compatible wheel size (mm)	646-716mm	646-716mm	646-716mm	646-716mm	400-536mm	646-716mm	24"-28"	20"-24"	24"-28"
Roller Brake Modulator Grade	More than 26inch									
Electric power output connector	High	X	X	X	X	-	-	-	-	-
	Standard	X	X	X	X	X	-	-	-	-
	20-24inch	-	-	-	-	-	-	-	-	-
	J1 TYPE	-	-	-	-	-	-	-	-	-
Electric power output connector	J2 TYPE	-	-	-	-	-	-	X	X	X
	E2 TYPE	X	X	X	X	X	-	-	-	-
	For ECOVISION type(2 terminal)	-	-	-	-	-	X	-	-	-
Finish		Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted	Painted
Color		Silver	Silver	Silver/Black	Silver/Black	Silver	Clear	Clear	Clear	Black
Cooling fin on roller brake		-	-	-	-	-	-	-	-	-
Note							for only ECOVISION AI-3S30	* Japanese market only	* Japanese market only	* Japanese market only

Hub-Dynamo Specifications

Series		Non-Series	NEXUS	NEXUS	NEXUS	NEXUS
Model No.		DH-2N30-JWC	DH-2N20-DT	DH-2N20C-DT	DH-2R30-J	DH-2R30-JC
Type		Regular	Regular	Regular	For hub roller brake	For hub roller brake
Center Lock Mount Type		-	-	-	-	-
Voltage		6V	6V	6V	6V	6V
Output		2.4W	2.4W	2.4W	2.4W	2.4W
QR type		-	-	-	-	-
Nut type		X	X	X	X	X
Over Locknut Dim.		100mm	100mm	100mm	100mm	100mm
Flange Distance		60.0	60.0	60.0	58.1	58.1
Offset		2.7	0.8	0.8	4.8	4.8
Hole Reference (PCD)		74mm	74mm	74mm	74mm	74mm
Axle Length		140mm	140mm	140mm	140mm	140mm
Spoke Size		#14	#14	#14	#14	#14
Seal		Single Contact	Single Contact	Single Contact	Single Contact	Single Contact
Spoke Hole	24H	-	-	-	-	-
	28H	-	-	-	-	-
	32H	-	-	-	-	-
	36H	X	X	X	X	X
Wheel Size	26-28inch	-	-	-	-	-
	16-28inch	-	-	-	-	-
	20-24inch	X	-	X	-	X
	24-28inch	-	X	-	X	-
	16-20inch	-	-	-	-	-
Compatible wheel size (mm)		20"-24"	24"-28"	20"-24"	24"-28"	20"-24"
Roller Brake Modulator Grade	More than 26inch					
Electric power output connector	High	-	-	-	-	-
	Standard	-	-	-	X	X
	20-24inch	-	-	-	-	-
Electric power output connector	J1 TYPE	-	-	-	-	-
	J2 TYPE	X	-	-	X	X
	E2 TYPE	-	X	X	-	-
	For ECOVISION type(2 terminal)	-	-	-	-	-
Finish		Painted	Painted	Painted	Painted	Painted
Color		Black	Black	Black	Clear	Clear
Cooling fin on roller brake		-	-	-	-	-
Note		* Japanese market only	* Japanese market only	* Japanese market only	* Japanese market only	* Japanese market only

Capreo Specifications

RD

Model No.		RD-F800	RD-F800
Pulley Cage		SS	GS
Speeds		9	9
Rapid-Rise Rear Derailleur		-	-
Total Capacity		17T	17T
Max. Rear Sprocket		26T	26T
Min. Rear Sprocket		9T	9T
Riveted Adapter Available	Road type	-	-
	Bmx-Track type	-	-
Direct Attachment		X	X
Detachable Bracket		-	-
Wheel-Type Cable Guide		-	-
Fluoric Coated Link Bushings		3	3
Parallelogram Spring Adjuster		-	-
Sealed Bearing Guide Pulley		-	-
Sealed Bearing Tension Pulley		-	-
11T Pulley		X	X
Pulley Bolt Holder		-	-
Bracket Body	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Plate Body	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Outer Link	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Inner Link	Material	Steel	Steel
	Finish	Painted	Painted
Outer Plate	Material	Aluminum	Steel
	Finish	Painted	Painted
Inner Plate	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Removable Rubber Bumper		-	-
Note		SHIMANO SHADOW RD	

CS

Model No.		CS-HG70-S
Type		HG Cassette Sprocket
Combination	Speed	9
	9	26
	8	23
	7	20
	6	17
	5	15
	4	13
	3	11
	2	10
1	9	
Group		bc
Chain		Super Narrow HG for 9-speed
Spider Arm		-
Lock Ring		Steel
Steel Cog		X
Ti Cog		-
Finish		Sn-Co Plating
Note		Only for FH-F700

BL

Model No.		BL-F800
Brake type		V-brake
Lever size		2 finger
Brake cable type		T-type
Power adjuster		-
Servo-Wave Action		-
Reach adjust		X
Cable adjust		X
Brake lever	Material	Aluminum
	Finish	Anodized
Brake bracket	Material	Aluminum
	Finish	Painted
Note		with Internal bumper stop

BR

Model No.		BR-F800
Brake type		V-brake
Link Wire		-
Reinforced Link		-
Parallel link		-
Power Modulator		X (Option)
Linear Spring		X
Threaded BR Shoe Post		X
Brake shoe type	Standard	R55C for F700/F800
	Optional choice	-
Arch size		107mm
Fixing bolt length		16/25mm
Sleeve & Bushing type		X
Lead Pipe Angle		45/90/135
Canti lever /V-arm /Caliper	Material	Aluminum
	Finish	Painted
Cartridge Shoe Holder		X
Note		

SL

Model No.		SL-F800
Lever type		Rapidfire Plus
Front		-
Rear		9-speed SIS
SL cable adjust		X
Optical gear display		Above handlebar
Multi-Bearing Construction		-
2-Way Release		X
SL outer casing		SP41 sealed
Stainless SL cable		X
Flight Deck w/ Gear Sensor Compatible (Option)		-
W/ CI-DECK		-
SL Bracket	Material	Aluminum
	Finish	Painted
SL Compatible RD Type		All 9-speed RD
Note		

Capreo Specifications

FC

Model No.		FC-F800
Rear Speeds		9
Chainring Combination		45T
Group		-
Spider or Gear Arm		5-arm
PCD (mm)		130mm
Crank Arm Length		170mm
Chain		Super narrow HG for 9-speed
Bottom Bracket		BB-UN26
Axle Length	Chain Line 46	MM110
	Chain Line 48.5	LL113
	Chain Line 50	YL117
	Chain Line 52.5+t	117.5
Fixing Nut Available		-
Chain Guard		Resin
Hollowtech Crank Arm		-
Splined Crank (OCTALINK)		-
One-key Release		-
Chain Case Compatible Crank Arm		-
Crank Arm	Material	Aluminum
	Finish	Painted
Spider Arm		-
Spider Arm Cover		-
Chain Ring	Material	Aluminum
	Finish	Anodized
Note		

HB

Model No.		HB-F700
Spoke Holes	24H	X
	28H	-
	32H	X
	36H	X
	40/48H	-
	Hole PCD (mm)	38
O.L.D. (mm)		100
Flange Distance		71.6
Axle	QR	X
	QR Skewer Length	133mm
	Axle Length	108mm (M9)
	Material	Steel
	Nut	-
	Axle Length	-
Seal		X
Stainless Steel Ball Bearings		-
Strong Axle		-
Hub Shell	Material	Aluminum
	Finish	Anodized
CBN (Cubic Boron Nitride)	Cone Races	-
	Cup Races	-
Quick Release Lever	Material	Aluminum
	Finish	Anodized
Radial Lacing		X
Note		

FH

Model No.		FH-F700
Compatible CS type		Only CS-HG70-S
Compatible wheel size		Only 16-20inch
Spoke Holes	24H	X
	28H	-
	32H	X
	36H	X
	40/48H	-
	Hole PCD (mm)	45
Freehub Body	Speeds	9
	11T compatible	9T
	Roller Clutch	-
	Material	Steel
O.L.D. (mm)	130	Option
	135	X
	Others	-
Flange Distance		60.3
Dish		8.3
Axle	QR	X
	QR Skewer Length	168mm
	Length	146mm (M10)
	Nut	-
	Length	-
	Material	Steel
Seal	Hub	X
	Freewheel	-
Hub Shell	Material	Aluminum
	Finish	Anodized
Quick Release Lever	Material	Aluminum
	Finish	Anodized
CBN (Cubic Boron Nitride)	Cone Races	-
	Cup Races	-
Stainless Steel Ball Bearings		-
Thread for Drum Brake (BC1.37X24)		-
Note		

Alfine Specifications

SG

Model No.	SG-S700	SG-S501	
Speeds	11	8	
Color variation	Silver / Black	Silver / Black	
Silent Clutch	X	X	
Gear Change Support Mechanism	X	X	
Shifting Power Modulator	X	X	
Driving Efficiency	HIGH	HIGH	
Brake	BR-S501	BR-S501	
	Shimano Center Lock type	Shimano Center Lock type	
Over Locknut Dim. /OLD (mm)	135	135	
Axle Length (mm)	187	187	
Gear Ratio	Total	409%	307%
	1	0.527	0.527
	2	0.681	0.644
	3	0.770	0.748
	4	0.878	0.851
	5	0.995	1
	6	1.134	1.223
	7	1.292	1.419
	8	1.462	1.615
	9	1.667	
	10	1.888	-
11	2.153		
Hub Shell Material	Aluminum	Aluminum	
Finish	Anodized	Anodized	
Weight	1590g	1680g	
Spoke Hole	36/32H	36/32H	
Spoke Size	#13 / #14	#13 / #14	
Flange Distance (mm)	57.3	57.3	
Spoke Hole PCD (mm)	92.6	92.6	
Flange Diameter (mm)	104.3	104.3	
Flange Width (mm)	3.2	3.2	
Sprocket Teeth	CT-S500 use	18T,20T(CS-S500)	18T,20T(CS-S500)
	Inward Assembling	20,21,22,23T	18,19,20,21,22,23T
	Outward Assembling	18,20,21,22,23T	16,18,19,20,21,22,23T
Sprocket Thickness (mm)	2mm (CS-S500)	2mm (CS-S500)	
	2.3mm (SM-GEAR)	2.3mm (SM-GEAR)	
Chain Size	Super Narrow HG for 9-speed for CS-S500 use	Super Narrow HG for 9-speed for CS-S500 use	
	HG for SM-GEAR	HG for SM-GEAR	
Recommended Chain	CN-HG53 / CN-S500	CN-HG53 / CN-S500	
Chain Line (mm)	41.8	41.8	
Dishing Distance (mm)	3.15	3.15	
Shifting Lever	SL-S700	SL-S500(ST,SL,SB-8S20)	
Cassette Joint	CJ-S700	CJ-8S20/CJ-8S40	
Note			

CT

Model No.	CT-S500	CT-S510
Color Variation	Silver/ Black	Silver&Black (1kind)
Speeds	Single	Single
Compatible CS	CS-S500	CS-S500 / SM-GEAR
Max Front Difference	16T	-
Max.Rear Sprocket	20T(CS-S500)	23T(SM-GEAR)
Min.Rear Sprocket	18T (CS-S500)	16T (SM-GEAR)
Dropout	Vertical drop end type	Vertical drop end type
Direct Attachment	-	-
Structure	Double pulley	Single pulley
	Material	Aluminum
Finish	Painted	Painted
Note		

CS

Model No.	CS-S500
Chain drop protection	X
Gear Teeth	18T,20T
Chain	Super Narrow HG for 9s
Assembling way with SG	same as Inter-8
Finish	Ni-plated
Note	

SL

Model No.	SL-S700	SL-S500	
Color Variation	Silver / Black	Silver / Black	
Lever type	Rapidfire Plus	Rapidfire plus	
Front	*	*	
	Rear	11S(Inter-11 pitch)	8 speed (Inter-8 pitch)
Multi Release	X	-	
Instant Release	X	-	
2-Way Release	X	-	
Top-Normal	X	-	
SL cable adjust	X	X	
Optical gear display	Above handlebar		
Multi-Bearing Construction	-	-	
SL Outer Casing	SP41 sealed	SP41 sealed	
Stainless SL Cable	X	X	
Flight Deck w/ Gear Sensor		-	
Compatible(Optional)			
W/ CI-DECK		-	
SL Bracket	Material	Aluminum	Aluminum
	Finish	Painted	Painted
SL Compatible SG Type	SG-S700	SG-S501,INTER-8	
Note	*Front Lever available	*Front Lever available	

Alfine Specifications

BL

Model No.	BL-S500	BL-S502
Color Variation	Silver / Black	Silver / Black
Brake Type	Hydraulic Disc-brake	Hydraulic Disc-brake
Recommended Brake Caliper	BR-S501	BR-S501
Oil	Mineral	Mineral
Master Cylinder	X	X
Finger	4 finger	2.5 finger
Brake Lever		
Material	Aluminum	Aluminum
Finish	Anodized	Anodized
Brake Bracket		
Material	Aluminum	Aluminum
Finish	Painted	Painted
Brake Hose	SM-BH59	SM-BH59
Note		

BR

Model No.	BR-S501	
Color Variation	Silver / Black	
Brake Type	Disc-brake	
Recommended Brake Lever	BL-S500 / BL-S502	
Recommended Brake Rotor	SM-RT64	
Hydraulic or Mechanical	Hydraulic	
Oil	Mineral	
Mount Type	International standard Post-type	
Piston	Opposed 4-piston	-
	Opposed 2-piston	X
	Different Piston Size	-
	1-piston	-
Caliper	Material	Aluminum
	Finish	Painted
PAD	Standard	A01S Resin
	Option	-
Hose	SM-BH59	
Note		

FC

Model No.	FC-S500				FC-S400				
Color Variation	Silver / Black				Silver				
Chain Ring Teeth	45T		39T		45T		39T		
Chain guard type	Double	Single	Double	Single	Double	Single	Double	Single	
Chain line	49.2mm	42.7mm	49.2mm	42.7mm	49.2mm	42.7mm	49.2mm	42.7mm	
Chain Type	Super Narrow HG for 9-speed CS-S500 use				Super Narrow HG for 9-speed for CS-S500 use				
	HG (for SM-GEAR use)				HG (for SM-GEAR use)				
Crank Length	170mm				170mm				
2-piece solid crank construction	X				-				
OCTALINK technology	-				X				
Bottom Bracket	Included SM-FC4500				BB-ES25				
Chain Ring	Material	Aluminum				Aluminum			
	Finish	Anodized				Anodized			
Crank Arm	Material	Aluminum				Aluminum			
	Finish	Anodized				Painted			
Note									

Inter-8 Specifications

Function Name	Inter-8				
Model No.	SG-8R31	SG-8R36	SG-8R31-VS	SG-8R36-VS	SG-8C31
Speeds	8				8
Silent Clutch	X				X
Gear Change Support Mechanism	X				X
Shifting Power Modulator	X				X
Driving Efficiency	Standard	HIGH	Standard	HIGH	Standard
w/ Left hand dust cap	- (Inter-M)	- (Inter-M)	X	X	-
Brake	Inter-M		V-Brake		Coaster
	BR-IM41/50//70/80-R				
Over Locknut Dim. /OLD (mm)	132				132.3
Axle Length (mm)	184				184
Gear Ratio	Total	307%			307%
	1	0.527			0.527
	2	0.644			0.644
	3	0.748			0.748
	4	0.851			0.851
	5	1			1
	6	1.223			1.223
	7	1.419			1.419
8	1.615			1.615	
Hub Shell Material	Aluminum				Aluminum
Finish	Painted				Painted
Weight	1750g	1630g	1775g	1655g	2040g
Spoke Hole	36/32H	36H	36/28H	36H	36H
Spoke Size	#13 / #14				#13 / #14
Flange Distance (mm)	58.3				58.3
Spoke Hole PCD (mm)	92.6				92.6
Flange Diameter (mm)	105.2				105.2
Flange Width (mm)	3.2				3.2
Sprocket Teeth	16T,18T,19T,20T,21T,22T,23T				16T,18T,19T,20T,21T,22T,23T
Sprocket Thickness (mm)	2.3				2.3
Chain Size	1/2"x1/8" or 1/2"x3/32"				1/2"x1/8" or 1/2"x3/32"
Shimano Recommended Chain	CN-NX10(1/2"x1/8")				CN-NX10(1/2"x1/8")
Chain Line (mm) 16-23T	42.7/47.7				42.85/47.85
Dishing Distance (mm)	2.7				2.55
Shifting Lever/Al	SB-8S20/ST-8S20/SL-8S20 (SL-S500)				SB-8S20/ST-8S20/SL-8S20 (SL-S500)
Cassette Joint / Motor Unit	CJ-8S20/CJ-8S40				CJ-8S20/CJ-8S40
Note	* CN spec:1/2"x3/32" is not available from shimano. In case of tensioner use, we recommend 1/2"x3/32" to prevent noise problem				

Inter-7 Specifications

Function Name		Inter-7		
Model No.		SG-7R46		SG-7C18
Speeds		7		
Silent Clutch		-		
Gear Change Support Mechanism		-		
Shifting Power Modulator		X		
Brake		Inter-M		Coaster
		BR-IM41/50/70/80-R		
Over Locknut Dim. / OLD (mm)		130	130	127
Axle Length (mm)		182	201	175.5
Gear Ratio	Total	244%		
	1	0.632		
	2	0.741		
	3	0.843		
	4	0.989		
	5	1.145		
	6	1.335		
	7	1.545		
Hub Shell Material		Aluminum		Steel
Corrosion Resistant Finish		X	X	X
Weight		1465g		1860g
Spoke Hole		36H / 32H		36H
Spoke Size		#13 / #14		
Flange Distance (mm)		54.6		56.2
Spoke Hole PCD (mm)		87		83.5
Flange Diameter (mm)		99.6		92.5
Flange Width (mm)		3.2		2.7
Sprocket Teeth		16T, 17T, 18T, 19T, 20T, 21T, 22T, 23T		
Sprocket Thickness (mm)		2.3		
Chain Size		1/2"x1/8" or 1/2"x3/32"		
Recommended Chain		CN-NX10(1/2"x1/8")		
Chain Line(mm)	16T	45.3		46.5
	18-23T	40.3 / 45.3		41.5 / 46.5
Dishing Distance (mm)		3.85		4.6
Shifting Lever		SB-7S45, SL-7S20		
Cassette Joint		CJ-NX10 / CJ-NX40		
Note		* CN spec:1/2"x3/32" is not available from shimano. In case of tensioner use, we recommend 1/2"x3/32" to prevent noise problem		

Inter-3 Specifications

Function Name		Inter-3					
Model No.		SG-3R40		SG-3C41		SG-3D55	
Speeds				3		3	
Silent Clutch				-		X	
Gear Change Support Mechanism				X		X	
Shifting Power Modulator				X		X	
Super Light Shifting				X		X	
Brake		Inter-M		Coaster		Disc Brake	
		BR-IM41-R/ BR-IM31-R					
Over Locknut Dim. / OLD (mm)		120.4/120.4	126.8	120/120	127.4	135	
Axle Length (mm)		170.3/189.4	176.8	168/178	175	192.6	
Gear Ratio		Total		186%		186%	
		1		0.733		0.733	
		2		1.000		1.000	
		3		1.360		1.360	
Hub Shell Material				Steel		Aluminum	
Corrosion Resistant Finish				X		Clear/Black	
Weight		885g		1120g		945g	
Spoke Hole		36H / 32H / 28H		36H / 28H		32H	
Spoke Size				#13 / #14		#13 / #14	
Flange Dist. (mm)		53	53	57.5	57.5	53.5	
Spoke Hole P.C.D (mm)		74	74	59	59	65	
Flange Diameter (mm)		84	84	67.5	67.5	77.6	
Flange width (mm)				2.3		3.2	
Sprocket Teeth		15T, 16T, 18T, 19T, 20T, 21T, 22T, 23T				*	
Sprocket Thickness (mm)				2.3		2.0 (for CS-S500) / 2.3 (for SMGEAR)	
Chain Size				1/2"x1/8" or 1/2"x3/32"		1/2"x1/8" or 1/2"x3/32" /HG	
Recommended Chain				CN-NX10(1/2"x1/8")		CN-NX10(1/2"x1/8") / CN-HG40	
Chain Line(mm)		15T	42.2	40.5	43.7	42.2	
		16T	-/44.7	-/43	-/46.2	-/44.7	42/47**
		18-23T	39.7/44.7	38/43	41.2/46.2	39.7/44.7	
		CS-S500	-	-	-	-	42
Dishing Distance (mm)		0.8	2.5	1.2	2.7	1.67	
Shifting Lever				SL-3S35E, SL-3S41E, SL-3S42E		SL-3S35E,SL-3S41E,SL-3S42E	
Cassette Joint				BELL CRANK 6		BELL CRANK 6	
Note						*15T, 16T, 18T, 19T, 20T, 21T, 22T, 23T(SMGEAR for w/o tensioner use) / 18T, 20T (CS-S500) for tensioner use **16T-23T Chain Line(mm) : 42/47	

SB/SL/ST Specifications

Function Name	Inter-S										
	SB-8S20	SL-8S20	ST-8S20	SL-S500	SB-7S45	SL-7S20	SL-7S10	SL-3S90	SL-3S60	SM-3S60	SL-3S42J
Model No.	SB-8S20	SL-8S20	ST-8S20	SL-S500	SB-7S45	SL-7S20	SL-7S10	SL-3S90	SL-3S60	SM-3S60	SL-3S42J
Speeds	8	8	8	8	7	7	7	3	3	-	3
Shifter Type	Revo	Revo	Tap fire	Rapid fire plus	Revo	Revo	Revo	Piano touch	Revo	-	Revo
Optical Gear Display	Window	Window	Dial	Window	Dial	Window	Dial	Dial	Window type with O.G.D light	-	Window
Max Number of Shift	7	7	1	1	6	6	6	2	2	-	2
LED positioning light	-	-	-	-	-	-	-	-	X	X	-
Brake Lever Integrated	X	-	X	-	X	-	-	-	-	-	-
Brake Lever Size	4 Finger	-	3 Finger	-	3 Finger	-	-	-	-	-	-
Left Hand Brake Lever	BL-IM60	-	BL-IM65	-	BL-IM45	-	-	-	-	-	-
Clamping Diameter	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm	22.2mm
Inner Cable Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Steel	Steel	-	Stainless Steel
SL Outer Cable Cap	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Sealed	Normal	Normal	-	Sealed
Note								* Japanese market only	* Japanese market only	*L/H position light / Japanese market only	* Japanese market only

SB/SL/ST Specifications

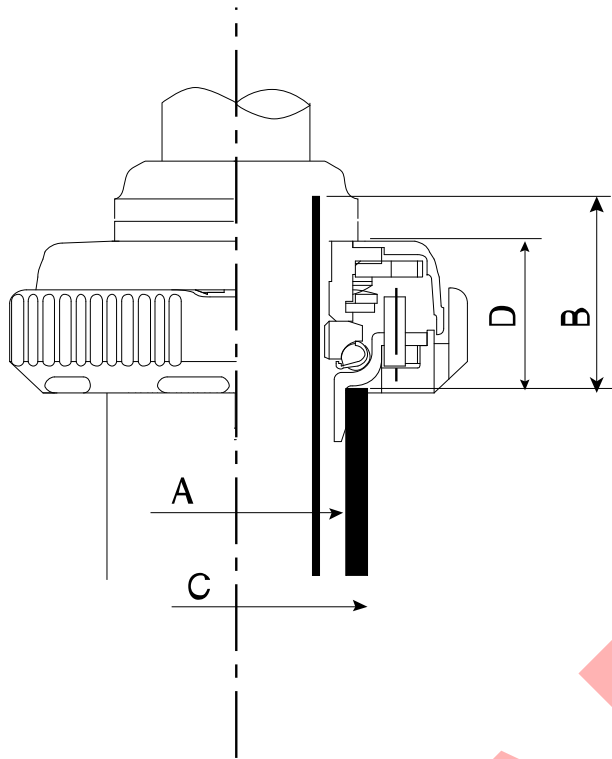
Function Name	Inter-S			
	SL-3S35J	SL-3S35E	SL-3S41E	SL-3S42E
Speeds	3	3	3	3
Shifter Type	Revo	Revo	Revo	Revo
Optical Gear Display	Dial	Dial	Window	Window
Max Number of Shift	2	2	2	2
LED positioning light	-	-	-	-
Brake Lever Integrated	-	-	-	-
Brake Lever Size	-	-	-	-
Left Hand Brake Lever	-	-	-	-
Clamping Diameter	22.2mm	22.2mm	22.2mm	22.2mm
Inner Cable Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
SL Outer Cable Cap	Sealed	Sealed	Sealed	Sealed
Note	* Japanese market only		Grip width : Short	Grip width : Long

ARCHIVE

Front Chainwheel Specifications

Function Name		Inter-C	
Model No.		FC-NX75	
Chain Ring Teeth		33T	38T
Chain Line		44±1+ t mm	
Chain Type		1/2"X3/8" or 1/2"X3/32"	
Crank Length		170mm	
BB	With Chaincase Stay	BB-UN26-K YL117	
	Without Chaincase Stay		
Chain Ring	Material	Steel	
	Finish	Black	
Cover Ring Diameter		95.5mm	
Crank Arm	Material	Alumium	
	Finish	Painted	
Note		t : chain case thickness *Both of spec with bolt and spec w/o bolt are available.	

Others. Specifications



Function Name	Nexus Headset
Model No.	HP-NX10
A	$\phi 29.85 - 30.0\text{mm}$ or $\phi 30.01 - 30.2\text{mm}$
B	30.5 - 31.5mm
Front Fork Stem Thread Size	BC 1" X 24 T.P.I
C	$\phi 38\text{mm}$ (Max.)
D	21.7mm
Head Tube Material	Steel

Function Name	Nexus Chain
Model No.	CN-NX10
Size	1/2x3/8"
Function	Anti corrosion

