

Content



RT/RZ/RX/R90

Newest additions to the R Series. Highest performance 10spd and 9spd road racing cassettes.

P.5



R80

High performance 8spd Hubs, Chainwheel, Rear Derailleur and Cassettes.

P.5



Content



R30

New 16spd, 14spd, and 12spd index road drivetrain complete with brake system. A great performance set with great value.

P.5



R03

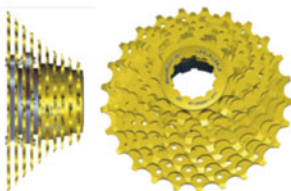
Classic remake of an entry level friction 12spd and 10spd drivetrain complete with brake system. A timeless classic set!

P.5

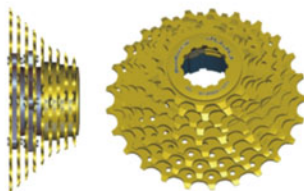


RT/RZ/RX/R90 10/9 Speed

ROOTS
SUNRACE



CSRT10 A0 11-25T
10 Speed (Ti-Nitride)



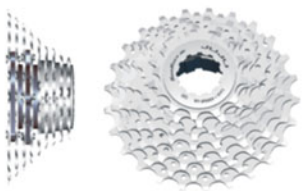
CSRZ4 9B0 12-25T
CSRZ4 9A0 11-23T
9 Speed (Ti-Nitride)



CSRX4 9B0 12-25T
CSRX4 9A0 11-23T
9 Speed Satin



CSRT10 A0 11-25T
10 Speed (SATIN)



CSRZ4 9B0 12-25T
CSRZ4 9A0 11-23T
9 Speed Satin



CSR94 9B0 12-25T
CSR94 9A0 11-23T
9 Speed Satin

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R80-16 Speed Index



HBR84
F/R
HBR85
R



FCR83 52-42T
FCR81 53-39T



RDR85-SD
8SPEED



CSR85 8C0 13-25T
CSR85 8B0 12-23T
CSR85 8AM 11-21T
8 Speed Satin
CSR84 8BP 12-24T
8 Speed Satin

ROOTS
SunRace



R30 16/14/12 Speed Single Index

ROOTS
SunRace



BLR30



BCR30



SLR38
R8/R7/LF



FOR30 5B



FCR33 52-42T
FCR31 53-39T



SLR37
R7/R6/R5/LF

ROOTS
SunRace

R30 16/14/12 Speed Single Index



MFR30 7CP 13-24T
7 Speed UCP



CSR63 8AP 11-24T
CSR63 8BP 12-24T
8 Speed Satin
CSR63 7AP 11-24T
CSR63 7BP 12-24T
7 Speed Satin



RDR32 5D



MFR35 7CS 13-24T
7 Speed UCP



MFR2A 6DP 14-24T
6 Speed
MFM2A 5DP 14-24T
5 Speed



RDR31 5D



RDR3R 5D





RO3 12/10 Speed Friction

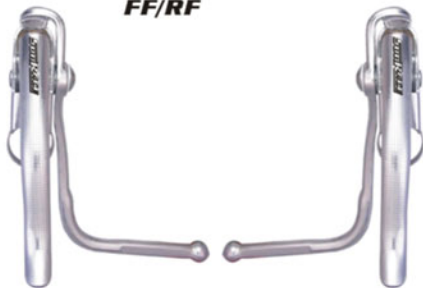
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SLR03
FF/RF



BLR02



BLR03



BCRO3

ROOTS
SunRace

RO3 12/10 Speed Friction



FDR03 5B



MFR05
6DP 14-24T
5DP 14-24T



FCR05



RDR03 5D

ROOTS
SunRace

Specifications

Shifter

Model No.		SLR38 / SLR37								
		R8	R7	R6	R5	LF	8F	7F	6F	5F
Speed	Rear	8-Speed	7-Speed	6-Speed	5-Speed	×	8-Speed	7-Speed	6-Speed	5-Speed
	Front	×				Friction (3 / 2)	Friction (3 / 2)			
Mounting		Braze On Type (B) 1 1/8" / Braze On Type (C) 44mm					(D) Down Tube 1 1/8" Clamp / (H) Handlebar Stem 7/8" Clamp			
Cable Type		Slick-Galvanized					Slick-Galvanized			
Cable Length		2000mm			1500mm		R:2000mm / L:1500mm		R:2000mm / L:1500mm	
Casing Compatibility		SP		2SP AND †		2P AND †		R: SP / L: 2P AND †		R: 2SP AND † / L: 2P AND †
Weight		52g					(D) 115g / (H) 130g			

Model No.		SLR03	
		FF	RF
Speed	Rear	Friction (8 / 7 / 6)	
	Front	Friction (3 / 2)	×
Mounting		(D) Down Tube 1 1/8" Clamp	
Cable Type		Galvanized	
Cable Length		R:2000mm / L:1500mm	
Casing Compatibility		1P AND †	
Weight		(D) 78g / (H) 70g	(D) 45g / (H) 37g

Specifications

Cranksets

Model No.	FCR81	FCR83	FCR31	FCR33	FCR05
Function	Fluid Drive	Fluid Drive	Fluid Drive	Fluid Drive	Friction
Crank Arm Spline Type	Square Taper	Square Taper	Square Taper	Square Taper	Square Taper
Number of Teeth	53-39T	52-42T	53-39T	52-42T	48-38T
Outer Chaining	Steel	Steel	Steel	Steel	Steel
Middle chaining	Steel	Steel	Steel	Steel	Steel
Chaining Bolts & Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	×
Crank Arms	A6061 Aluminum Cold Forged	A6061 Aluminum Cold Forged	Aluminum	Aluminum	Painted Steel
Crank Arm Length	175mm / 170mm	175mm / 170mm	175mm / 170mm	175mm / 170mm	170mm
Bolt Circle Diameter	130 mm	130 mm	130 mm	130 mm	n/a
44.5mm Chain Line (BB Shell)	110mm	110mm	110mm	110mm	108mm
Weight (Right)	695.5g (175mm)	688.5g (175mm)	676.5g (175mm)	669.5g (175mm)	870g
Weight (Left)	210.5g (175mm)	210.5g (175mm)	224g (175mm)	224g (175mm)	390g
Total Weight	901g (176mm)	899g (175mm)	900.5g (176mm)	893.5g (175mm)	1260g

Front Derailleurs

Model No.	FDR30	FDR03
Top Gear Teeth	48 T	48 T
Top-Low Max. Capacity	10 T	10 T
Top-Middle Mn. Capacity	10 T	10 T
Clamp Diameter	(S) 28.6 mm	(S) 28.6 mm
Cable Routing	(B) Bottom Pull	(B) Bottom Pull
Chain Stay Angle	63°-66°	63°-66°
Weight	150g	150g

Specifications

Rear Derailleurs

Model No.	RDR85
Mounting Type	(D) Direct
Speeds	8-Speed
Max. Sprocket	27T
Min. Sprocket	11T
Rear Capacity	16T
Total Capacity	29T
Weight	300g

Model No.	RDR32	RDR31
Mounting Type	(D) Direct	(D) Direct
Speeds	7-Speed	7-Speed
Max. Sprocket	28T	28T
Min. Sprocket	12T	12T
Rear Capacity	16T	16T
Total Capacity	29T	29T
Weight	265g	280g

Model No.	RDR3R SD	RDR3R SB
Cage Type	(S) Short	(S) Short
Mounting Type	(D) Direct	(B) Bracket
Speeds	7 / 6-Speed	7 / 6-Speed
Max. Sprocket	28T	
Min. Sprocket	13T	
Rear Capacity	15T	
Total Capacity	28T	
Weight	250g	280g

Model No.	RDR03 SD	RDR3R SB
Cage Type	(S) Short	(S) Short
Mounting Type	(D) Direct	(B) Bracket
Speeds	Friction	
Max. Sprocket	28T	
Min. Sprocket	13T	
Rear Capacity	15T	
Total Capacity	28T	
Weight	250g	280g

Specifications

Cassettes

Model No	CSRT 10AQ (T)	CSRT 10AQ (S)	CSRZ4 9AO (T)	CSRZ4 9BQ (T)	CSRZ4 9AO (S)	CSRZ4 9BQ (S)	CSRX4 9AO (S)	CSRX4 9BQ (S)	CSR94 9AO (S)	CSR94 9BQ (S)
Function	Fluid Drive		Fluid Drive		Fluid Drive		Fluid Drive		Fluid Drive	
Speeds	10-Speed		9-Speed		9-Speed		9-Speed		9-Speed	
Number of Teeth	11-25T		11-23T	12T-25T	11-23T	12T-25T	11-23T	12-25T	11-23T	12-25T
Sprocket Finish	(T) Titanium Nitride	(S) Sandblast Satin	(T) Titanium Nitride		(S) Sandblast Satin		(S) Satin		(S) Satin	
Sprocket Material	SAPH440		SAPH440		SAPH440		SAPH440		SAPH440	
Sprocket Drilled Holes	○		○		○		×		×	
Spacer Material	A7075 Spider		A7075 Spider		A7075 Spider		Gold Alloy w/ JUJU Logo		Engineering Polymers w/ JUJU Logo	
Chain Compatibility	6.6mm		6.6mm		6.6mm		6.6mm		6.6mm	
Weight	230g	230g	193g	233g	193g	233g	234g	247g	229g	241g

Model No	CSR85 8AM (S)	CSR85 8BQ (S)	CSR85 8CQ (S)	CSR84 8BP (S)
Function	Fluid Drive			
Speeds	8-Speed			
Number of Teeth	11-21T	12-23T	13-25T	12-24T
Sprocket Finish	(S) Sandblast Satin			
Sprocket Material	SAPH440			
Sprocket Drilled Holes	○			
Spacer Material	Engineering Polymers w/ JUJU Logo			
Chain Compatibility	7.1-7.3mm			
Weight	200g	242g	290g	235g

Model No	CSR63 8AP (S)	CSR63 8BP (S)	CSR63 7AP (S)	CSR63 7BP (S)
Function	Fluid Drive Plus		Fluid Drive Plus	
Speeds	8-Speed		7-Speed	
Number of Teeth	11-24T	12-24T	11-24T	12-24T
Sprocket Finish	(S) Satin		(S) Satin	
Sprocket Material	SAPH440		SAPH 440	
Sprocket Drilled Holes	○		○	
Spacer Material	Renn		Renn	
Chain Compatibility	7.1-7.3		7.1-7.3mm	
Weight	255g	260g	230g	235g

Specifications

Freewheels

Model No.	MFRJ0 7CP (C)	MFRJ0 7CP (U)	MFRJ5 7CS(U)	MFR2A 6DP (2)	MFR2A 5DP (2)
Function	Fluid Drive		Fluid Drive	Fluid Drive	Fluid Drive
Speeds	7-Speed		7-Speed	6-Speed	5-Speed
Number of Teeth	13-24T		13-24T	14-24T	14-24T
Sprocket Finish	(C) Chrome Plated	(U) Zinc	(U) Zinc/BLK	(2) Brown + EDB	(2) Brown + EDB
Sprocket Material	Steel		Steel	Steel	Steel
Sprocket Drilled Holes	X		X	X	X
Spacer Material	Resin		Resin	Resin	Resin
Chain Compatibility	7.1~7.3mm		7.1~7.3mm	7.1~7.3mm	7.1~7.3mm
Weight	427g	427g	430g	393g	355g

Model No.	MFR05 6DP	MFR05 5DP
Function	Friction	
Speeds	6-Speed	5-Speed
Number of Teeth	14-24T	14-24T
Sprocket Finish	Black	
Sprocket Material	Steel	
Sprocket Drilled Holes	X	
Spacer Material	Resin	
Chain Compatibility	7.8mm	7.8mm
Weight	399g	357g

Hubs

Model No.	HBRS4F0	HBRS4R9	HBRS5R9
Cassette Carrier Type	--	Shim	Camp
Hub Shell Material	A6061 Aluminium	A6061 Aluminium	A6061 Aluminium
Bearing	Seal Cartridge	Seal Cartridge	Seal Cartridge
D-Dimension	---	41	41
Over Locknut Dimension	100mm	130mm	130mm
Hub Axle Material	A7075 Aluminium	SCM435	SCM435
Hub Axle Diameter	9mm	10mm	10mm
Hub Axle Length	110mm	140mm	140mm
Spoke Holes	32H	32H	32H
Pitch Circle Diameter	38mm	45.5mm	45.5mm
Flange Width	69mm	59mm	50mm
QR Lever Material	A6061 Aluminium	A6061 Aluminium	A6061 Aluminium
QR Nut Material	A6061 Aluminium	A6061 Aluminium	A6061 Aluminium
QR Axle Material	SCM415/Titanium	SCM415/Titanium	SCM415/Titanium
QR Axle Length	112mm	144mm	144mm
Finish	Silver, Black	Silver, Black	Silver, Black
Weight	100g	330g	330g

Specifications

BLR & BCR

Model No.	BLR02	BLR03	BLR30
Material	Foged aluminum	Foged aluminum	Foged aluminum
Finish	Anodized or painted	Anodized or painted	Anodized or painted
Compatibility	Brake type: Caliper/Canti brakes Handlebar: 22.2-23.8mm	Brake type: Caliper/Canti brakes Handlebar: 22.2-23.8mm	Brake type: Caliper/Canti brakes Handlebar: 22.2-23.8mm
Weight	164g/pair	244g/pair	240g/pair
Note			Return spring, Rubber cover color Black

Model No.	BCR03	BCR30
Material	Foged aluminum	Foged aluminum
Finish	Anodized or painted	High-polish silver anodized or painted
Dimension	52-72mm	39-49mm
Weight	170g/wheel	176g/wheel
Note		Power reinforcement with dual-pivot device