SunRace



2005-2006

Product Catalogue

Content

M4S



Innovative 21spd MegaDrive index drivetrain made with attractive shifters, advanced composite material. MegaDrive system will attract attention and cover all terrains. P.9

M33



21spd and 18spd index Drivetrains for Recreational Sport use. Cyclops Display twist shifters and derailleurs made with advanced composite material. P.10

M2T / M2B



21spd, 18spd, and 15spd entry level index shifting for Recreational use. Complete system made upgrading to index system simple. It is time to upgrade to Index! P.11

M05

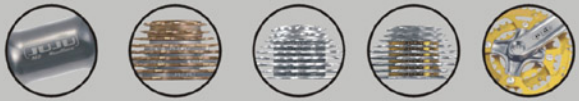


Classic friction drivetrain in 21spd, 18spd, and 15spd. P.13

Content

M Series

DH/MZ/MX/M90



Our best made components that can be matched with world's best made parts.
Down Hill specific 8spd and Competition 27spd components offers great performance and durability.. P. 1

M95K / M95 / M93K / M93



World's first high performance 27spd drivetrain grouppos that is easy to use and affordable.
Come with 4 distinctive theme/feature options to fulfill your needs. It is time to upgrade to 27spd! P. 3

M63



Our highest performance 24spd drivetrain made better.
New finishes reflects the newest styling trends of the world. P. 7

M53



A 24spd drivetrain that performs, making upgrades from 21spd to 24spd possible.
Freewheel options available. It is time to upgrade to 24spd! P. 8

JUJU MX SunRace



FCMX
44-32-22T



HBMX4
F/R9



CSMX4 9AV 11-34T
CSMX4 9AU 11-32T
(Alloy Spacer)

JUJU M92 SunRace



FCM92 (ISIS)
FCM91
44-32-22T



CSM94 9AV 11-34T
CSM94 9AU 11-32T

MOUNTAIN

MOUNTAIN

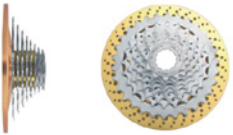
JUJU DH8 SunRace



HBMD4



TSMDH R8



CSMD4 8AT 11-30T

JUJU MZ SunRace



HBMZ4
F/R9



FCMZ4
44-32-22T



CSMZ4 9AV 11-34T
CSMZ4 9AU 11-32T
(Ti-Nitride)



CSMZ4 9AV 11-34T
CSMZ4 9AU 11-32T
(Satin)

MOUNTAIN



TSM95
R9/L3/LF
K (Karbon)



FCM96 (ISIS)
FCM95
42-32-22 T
K (Karbon)



FCM94
42-32-22T
K (Karbon)



CSM95-9AU 11-32T
(Alloy Spacer)



FDM95
LT/MT/ST
K (Karbon)



RDM95
LD
K (Karbon)



CNM98 (Hollow Pin)
S (Chrome)



TSM95
R9/L3/LF



FCM96 (ISIS)
FCM95
42-32-22T

FCM94
42-32-22T



CSM95-9AU 11-32T
(Alloy Spacer)



FDM95
LT/MT/ST



RDM95
LD



CNM98 (Hollow Pin)
Y (Gray)

MOUNTAIN

MOUNTAIN



TSM93
R9/L3/LF
K (Karbon)



FCM93
42-32-22T
K (Karbon)



CSM93-9AU 11-32T
(Red Spacer)



FDM93
LT/MT/ST
K (Karbon)



RDM93
LD
K (Karbon)



CNM93
5 (Chrome)



TSM93
R9/L3/LF



FCM93
42-32-22T



CSM93-9AU 11-32T
(Red Spacer)



FDM93
LT/MT/ST



RDM93
LD



CNM93
Y (Gray)

MOUNTAIN



TSM63
R8/R7/L3/LF



FCM63
42-32-22T



CSM63 8AV 11-34T
8AU 11-32T
8AS 11-28T
8BU 12-32T
8BV 12-34T
CSM63 7AV 11-34T
7AS 11-28T
7BS 12-28T
S (Satin)



MFM60 8CU13-32T
U (UCP)
C (CP)



FDM63
LT/MT/ST



RDM63
LD



CNM88 (Hollow Pin)
S (Chrome)
Y (Gray)



TSM53
R8/R7/L3/LF



CSM52
8BS 12-28T
C (CP)



MFM52
MFM55
8CS 13-28T
U (UCP)



FDM53
LT/MT/ST



RDM53
LD



FCM51
42-34-24T



FCM52
42-34-24T



HBM53
F/R8



CNM83
S (Chrome)
Y (Gray)

MOUNTAIN

MOUNTAIN



TSM45
R7/L3



FCM52
42-34-24T



MFM45
7CV 13-34T



FDM45 (42T)
MD/SD



RDM45
XD/XB



HBM40
F/R8/R7



CNM52
Y (Gray)
B (Black)



TSM33
R7/R6/L3/LF



MFM35
7CS 13T-28T
U (UCP)



MFM30
7CS 13-28T
U (UCP)
C (CP)



MFM22
6DS 14-28T
U (UCP)



FDM33 (48T)
MD/SD



FCM31
48-38-28T



FCM32
48-38-28T



RDM33
LD/LB
(7 Speed)



RDM33
SD/SB
(6 Speed)

MOUNTAIN



TSM22
R7/R6/LF



TSM2T
R7/R6/LF



SLM2T
R7/R6/R5/LF



FDM25 (42T)
SB/ST/MB/MT



FDM2A (48T)
SB/ST/MB/MT



RDM15 LO/LB
(5 Speed)



FCM45
42-34-24T



FCM2A
48/38/28T



RDM2T LO/LB
(7&6 Speed)



TSM2B (R)
R7/R6/LF



FDM2B
(48T)
SB/ST/MB/MT



RDM2B LD/LB
(7&6 Speed)



TSM2B (W)
R7/R6/LF



MFM2A (UCP)
7DV 14-34T
7DS 14-28T
6DS 14-28T
5DS 14-28T



MFM2A (BROWN)
7DV 14-34T
7DS 14-28T
6DS 14-28T
5DS 14-28T



TSM25
RF/LF



SLM07
RF/LF



SLM10
RF/LF



MFM08 (BROWN)
7CV 13-34T
6DV 14-34T



MFM05
7CS 13-28T
6DS 14-28T
5DS 14-28T



FDM06 (Double)
SB



FDM07
SB/MB



RDM08
XD/XB



RDM07
LD/LB



RDM10
LD/LB



CNM22

Twist Shifters

Model No.	TSMDH	TSM95			TSM93		
	R8	R9	L3	L F	R9	L3	L F
Side and Speed	Right 8-Speed	Right 9-Speed	Left 3-Speed	Left Friction	Right 9-Speed	Left 3-Speed	Left Friction
Force Adjuster	×	○			○		
Cable Adjuster	○	○			○		
Clamp Type	C-Clamp	C-Clamp			C-Clamp		
Cable Type	Slick-Stainless	Slick-Stainless			Slick-Stainless		
Cable Length	2000mm	2000mm	1500mm		2000mm	1500mm	
Casing Compatibity	SP	SP	SP	2SP AND ↑	SP	SP	2SP AND ↑
Weight	R:82.5 g	110g	110g	110g	110g	110g	110g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 15 ~ 25 kgf-cm							

Model No.	TSM63			TSM53		
	R8	L3	LF	R8	L3	LF
Side and Speed	Right 8-Speed	Left 3-Speed	Left Friction	Right 8-Speed	Left 3-Speed	Left Friction
Cyclops Display	×			○		
Force Adjuster	○			×		
Cable Adjuster	○			○		
Clamp Type	C-Clamp			C-Clamp		
Cable Type	Slick-Galvanized			Slick-Galvanized		
Cable Length	2000mm	1500mm		2000mm	1500mm	
Casing Compatibity	SP	2SP AND ↑	2P AND ↑	SP	2SP AND ↑	2P AND ↑
Weight	109g	106.5 g	106.5g	89g	86g	86g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 15 ~ 25 kgf-cm						

Model No.	TSM48		TSM33			
	R7	L3	R7	R6	L3	LF
Side and Speed	Right 7-Speed	Left 3-Speed	Right 7-Speed	Right 6-Speed	Left 3-Speed	Left Friction
Cyclops Display	○		○			
Cable Adjuster	○		○			
Clamp Type	C-Clamp		C-Clamp			
Cable Type	Slick-Galvanized		Slick-Galvanized			
Cable Length	2000mm	1500mm	2000mm		1500mm	
Casing Compatibity	SP	2SP AND ↑	SP	2SP AND ↑	2SP AND ↑	2P AND ↑
Weight	114g	112g	89g	89g	86g	86g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 15 ~ 25 kgf						

Specifications

Twist Shifters

Model No.	TSM22			TSM2T		
	R7	R6	LF	R7	R6	LF
Side and Speed	Right 7-Speed	Right 6-Speed	Left Friction	Right 7-Speed	Right 6-Speed	Left Friction
Cable Adjuster		○			○	
C-Clamp		○			○	
Cable Type	Slick-Galvanized		Galvanized	Slick-Galvanized		Galvanized
Cable Length	2000mm		1500mm	2000mm		1500mm
Casing Compatibity	2SP AND ↑	2SP AND ↑	2P AND ↑	2SP AND ↑	2SP AND ↑	2P AND ↑
Weight	82.5g	82.5g	81g	82.5g	82.5g	81g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 15 ~ 25 kgf-cm						

Model No.	TSM2B			TSM2S			
	R7	R6	LF	R7	R6	RF	LF
Side and Speed	Right 7-Speed	Right 6-Speed	Left Friction	Right 7-Speed	Right 6-Speed	Right Friction (7 / 6 / 5)	Left Friction
Cable Adjuster	×	×	×	×	×	×	×
C-Clamp	×	×	×	×	×	×	×
Cable Type	Slick-Galvanized		Galvanized	Slick-Galvanized		Galvanized	Galvanized
Cable Length	2000mm		1500mm	2000mm		2000mm	1500mm
Casing Compatibity	2SP AND ↑		2P AND ↑	2SP AND ↑		2P AND ↑	2P AND ↑
Weight	87.5g	87.5g	80.5g	87.5g	87.5g	87.5g	80.5g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 15 ~ 30 kgf-cm							

Thumbshifters

Model No.	SLM2T				SLM10		SLM07	
	R7	R6	R5	LF	RF	LF	RF	LF
Side and Speed	Right 7-Speed	Right 6-Speed	Right 5-Speed	Left Friction (3 / 2)	Right Friction (8 / 7 / 6 / 5)	Left Friction (3 / 2)	Right Friction (8 / 7 / 6 / 5)	Left Friction (3 / 2)
Cable Adjuster		○		×		×		×
Cable Type	Galvanized				Galvanized		Galvanized	
Cable Length	2000mm			1500mm	2000mm	1500mm	2000mm	1500mm
Casing Compatibity	2SP AND ↑			2P AND ↑	1P AND ↑		1P AND ↑	
Weight	64.5g	64.5g	64.5g	65g	64.5g	61.5g	64.5g	61.5g
Handlebar diameter should 22.2 ±0.2 MM / Tighten torque 20~ 25 kgf-cm								

Front Derailleurs

Model No.	FDM95	FDM93
Top Gear Teeth	42T	42T
Top-Low Max. Capacity	20T	20T
Top-Middle Min. Capacity	8T	8T
Clamp Diameter	(S) 28.6 / (M) 31.8 / (L)34.9mm	
Cable Routing	(T) Top Pull	
Chain Stay Angle	66°~69°	
Weight	207g (M)	207g (M)

Model No.	FDM63	FDM53
Top Gear Teeth	42T	42T
Top-Low Max. Capacity	20T	20T
Top-Middle Min. Capacity	8T	8T
Clamp Diameter	(S) 28.6 / (M) 31.8 / (L)34.9mm	
Cable Routing	(T) Top Pull	
Chain Stay Angle	66°~69°	
Weight	205g (M)	205g (M)

Model No.	FDM4S	FDM33
Top Gear Teeth	42 T	48 T
Top-Low Max. Capacity	18 T	20 T
Top-Middle Min. Capacity	8 T	10 T
Clamp Diameter	(S) 28.6 / (M) 31.8 mm	
Cable Routing	(D) Dual Pull	
Chain Stay Angle	66°~69°	
Weight	115g	115g

Model No.	FDM2S	FDM2A	FDM2B	FDM07	FDM06
Top Gear Teeth	42 T	48 T	42 T	48T	48 T
Top-Low Max. Capacity	18 T	20 T	18 T	20T	10T
Top-Middle Min. Capacity	8 T	10 T	8 T	10T	--
Clamp Diameter	(S) 28.6 / (M) 31.8 mm		(S) 28.6 / (M) 31.8 mm	(S) 28.6 / (M) 31.8 mm	(S) 28.6 mm
Cable Routing	(T) Top Pull / (B) Bottom Pull		(T) Top Pull / (B) Bottom Pull	(B) Bottom Pull	
Chain Stay Angle	66°~69°		66°~69°	66°~69°	
Weight	140g / 144g	150g / 154g	140g / 144g	150g / 154g	150g

Specifications

Cranksets

Model No.	FCMZ4	FCMX2	FCM92	FCM91
Function	Super Fluid Drive	Super Fluid Drive	Super Fluid Drive	Super Fluid Drive
Crank Arm Spline Type	ISIS	ISIS	ISIS	Square Taper
Number of Teeth	44-32-22T	44-32-22T	44-32-22T	44-32-22T
Outer Chainring	A7075 Aluminum	A7075 Aluminum	A7075 Aluminum	A7075 Aluminum
Middle chainring	A7075 Aluminum	A7075 Aluminum	SS400	SS400
Inner chainring	A7075 Aluminum	SS400	SS400	SS400
Removable Chainrings	○	○	○	○
Chainring Bolts & Nuts	A7075 Aluminum	SUS302 Stainless Steel	SCM435 Chromoly	SCM435 Chromoly
Crank Style	I-Crank	I-Crank	I-Crank	I-Crank
Crank Arms	A6061 Aluminum Forged	A6061 Aluminum Forged	A6061 Aluminum Forged	A6061 Aluminum Forged
Crank Arm Spyder	A6061 Aluminum Forged	A6061 Aluminum Forged	A6061 Aluminum Forged	A6061 Aluminum Forged
Crank Arm Length	175mm / 170mm	175mm / 170mm	175mm / 170mm	175mm / 170mm
Bolt Circle Diameter	104mm / 64mm	104mm / 64mm	104mm / 64mm	104mm / 64mm
48mm Chain Line (BB Shell)	110mm	110mm	110mm	110mm
50mm Chain Line (BB Shell)	114mm	114mm	114mm	114mm
Weight (Right)	435g (175mm)	450g (175mm)	525g (175mm)	540g (175mm)
Weight (Left)	205g (175mm)	205g (175mm)	205g (175mm)	220g (175mm)
Total Weight	640g (175mm)	655g (175mm)	730g (175mm)	760g (175mm)

Model No.	FCM96	FCM95	FCM94	FCM93
Function	Fluid Drive	Fluid Drive	Fluid Drive	Fluid Drive
Crank Arm Spline Type	ISIS	Square Taper	Square Taper	Square Taper
Number of Teeth	42-32-22T	42-32-22T	42-32-22T	42-32-22T
Outer Chainring	SS400	SS400	SS400	SS400
Middle chainring	SS400	SS400	SS400	SS400
Inner chainring	SS400	SS400	SS400	SS400
Chainguard Options	Ring Type	Ring Type	Ring Type	Ring Type
Crank Style	I-Crank	I-Crank	A-Crank	A-Crank
Crank Color Options	Carbon/Black	Carbon/Black	Carbon/Black	Carbon/Black
Crank Arms	A6061 Aluminum Forged	A6061 Aluminum Forged	A356.2 Aluminum	A356.2 Aluminum
Crank Arm Length	175/170mm	175/170mm	175/170mm	175/170mm
Chainring Bolts & Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly
Bolt Circle Diameter	104mm/64mm	104mm/64mm	104mm/64mm	104mm/64mm
48mm Chain Line (BB Shell)	110mm	110mm	110mm	110mm
50mm Chain Line (BB Shell)	114mm	114mm	114mm	114mm
Crank(R) Weight	560g (175mm)	570g (175mm)	555g (175mm)	555g (175mm)
Crank(L) Weight	220g (175mm)	220g (175mm)	210g (175mm)	210g (175mm)
Total Weight	780g (175mm)	790g (175mm)	765g (175mm)	765g (175mm)

Cranksets

Model No.	FCM63	FCM52	FCM51	FCM32	FCM31
Function	Fluid Drive Plus	Fluid Drive Plus		Fluid Drive	
Number of Teeth	42-32-22T	42-34-24T		48-38-28T	
Outer Chainring	SS400	SS400		SS400	
Middle chainring	SS400	SS400		SS400	
Inner chainring	SS400	SS400		SS400	
Crank Arms	A356.2 Aluminum	A356.2 Aluminum		A356.2 Aluminum	
Crank Style	I-Crank	I-Crank	A-Crank	I-Crank	A-Crank
Crank Arm Length	175/170mm	175/170/165/162.5mm	175/170/165/160/152mm	175/170/165/162.5mm	175/170/165/160/152mm
Chainguard Options	Ring Type	Ring Type		Full or Ring Type	
48mm Chain Line (BB Shell)	110mm	116mm		122mm	
50mm Chain Line (BB Shell)	114mm	120mm		126mm	
Weight (Right)	650g (175mm)	685g (175mm)	630g (175mm)	865g (175mm)	805g (175mm)
Weight (Left)	235g (175mm)	235g (175mm)	210g (175mm)	235g (175mm)	210g (175mm)
Total Weight	885g (175mm)	920g (175mm)	840g (175mm)	1100g (175mm)	1015g (175mm)

Model No.	FCM4S	FCM2A
Function	Index	Index
Number of Teeth	42-34-24T	48-38-28T
Outer Chainring	Steel	Steel
Middle chainring	Steel	Steel
Inner chainring	Steel	Steel
Crank Arms	Steel	Steel+Plastic
Crank Arm Length	170mm	170mm
Chainguard Options	Ring Type	Ring Type
48mm Chain Line (BB Shell)	124.5mm	126mm
Weight (Right)	870g	1012g
Weight (Left)	420g	415g
Total Weight	1290g	1427g

Specifications

Cassettes

Model No	CSM634AT (S)
Function	Hard Drive Flat
Speeds	8-Speed
Number of Teeth	11-34T
Sprocket Material	SAPH 440
Sprocket Finish	(S) SandBlast CP Satin
Light Weight Holes	○
Spacer Material	Aluminum
Retainer Material	6061 Aluminum
Protector Finish	Anodized Gold
Chain Compatibility	6-Inch
Weight	415g

Model No	CSM24 9AV (S)	CSM24 9AU (S)	CSM24 9AV (S)	CSM24 9AU (S)	CSM24 9AV (S)	CSM24 9AU (S)	CSM95 9AU (S)	CSM94 9AV (S)	CSM94 9AU (S)	CSM93 9AU (S)
Function	Super Fluid Drive		Super Fluid Drive		Super Fluid Drive		Super Fluid Drive	Super Fluid Drive		Super Fluid Drive
Speeds	9-Speed		9-Speed		9-Speed		9-Speed	9-Speed		9-Speed
Number of Teeth	11-34T	11-32T	11-34T	11-32T	11-34T	11-32T	11-32T	11-34T	11-32T	11-32T
Sprocket Finish	(T) Titanium Nitride		(S) SandBlast Satin		(S) SandBlast Satin		(S) SandBlast Satin	(S) SandBlast Satin		(S) SandBlast Satin
Sprocket Material	SAPH440		SAPH440		SAPH440		SAPH440	SAPH440		SAPH440
New Sprocket Cut Away	○		○		○		○	○		○
Light Weight Holes	○		○		○		○	○		○
Spacer Material	A7075		A7075		Gold Aluminum w/ JUJU Logo		Silver Aluminum w/ JUJU Logo	Grey Engineering Polymers w/ JUJU Logo		Red Engineering Polymers w/ JUJU Logo
Chain Compatibility	6 4mm		6 4mm		6 4mm		6 5mm	6 5mm		6 6mm
Weight	283g	275g	285g	275g	317g	356g	350g	360g	343g	340g

Model No	CSM813AV (S)	CSM813AU (S)	CSM813AS (S)	CSM813BU (S)	CSM813AV (S)	CSM813AS (S)	CSM813BS (S)	CSM713BS (C)
Function	Super Fluid Drive				Super Fluid Drive			Fluid Drive Plus
Speeds	8-Speed				7-Speed			8-Speed
Number of Teeth	11-34T	11-32T	11-28T	12-32T	11-34T	11-28T	12-28T	12-28T
Sprocket Finish	(S) SandBlast Satin				(S) SandBlast Satin			(C) Chrome Plated
Sprocket Material	SAPH 440				SAPH 440			Steel
New Sprocket Cut Away	○				○			○
Sprocket Drilled Holes	○				○			○
Spacer Material	Engineering Polymers				Engineering Polymers			Engineering Polymers
Chain Compatibility	7 2×7 3mm				7 1×7 3mm			7 1×7 3mm
Weight	355g	358g	336g	335g	297g	345g	255g	270g

Freewheels

Model No	MFM60 8CU (C)	MFM60 8CU (U)	MFM53 8CS (U)	MFM58 8CS (U)
Function	Fluid Drive Plus		Fluid Drive	Fluid Drive
Speeds	8-Speed		8-Speed	8-Speed
Number of Teeth	13-32T		13-28T	13-28T
Sprocket Finish	(C) Chrome Plated	(U) Zinc	(U) Zinc	(U) Zinc
Sprocket Material	Steel		Steel	Steel
Sprocket Drilled Holes	○		○	○
Spacer Material	Resin		Resin	Resin
Chain Compatibility	7.1~7.9mm		7.1~7.9mm	7.1~7.9mm
Weight	578g	578g	553g	535g

Model No	MFM48 (U)	MFM50 7CS (C)	MFM50 7CS (U)	MFM53 7CS (U)	MFM53 6DS (U)
Function	Fluid Drive Plus	Fluid Drive Plus	Fluid Drive Plus	Fluid Drive Plus	Fluid Drive Plus
Speeds	7-Speed	7-Speed	7-Speed	7-Speed	6-Speed
Number of Teeth	13-34T	13-28T	13-28T	13-28T	14-28T
Sprocket Finish	(U) Zinc + EDB	(C) Chrome Plated	(U) Zinc	(U) Zinc	(U) Zinc
Sprocket Material	Steel	Steel	Steel	Steel	Steel
Sprocket Drilled Holes	○	○	○	○	○
Spacer Material	Resin	Resin	Resin	Resin	Resin
Chain Compatibility	7.1~7.9mm	7.1~7.9mm	7.1~7.9mm	7.1~7.9mm	7.1~7.9mm
Weight	504g	468g	468g	438g	432g

Model No	MFM2A 7DV (U)	MFM2A 7DV (Z)	MFM2A 7DS (U)	MFM2A 7DS (Z)	MFM2A 6DS (U)	MFM2A 6DS (Z)	MFM2A 5DS (U)	MFM2A 5DS (Z)
Function	Fluid Drive		Fluid Drive		Fluid Drive		Fluid Drive	Fluid Drive
Speeds	7-Speed		7-Speed		6-Speed		5-Speed	5-Speed
Number of Teeth	14-34T		14-28T		14-28T		14-28T	14-28T
Sprocket Finish	(U)Zinc+EDB	(Z)Brown+EDB	(U)Zinc+EDB	(Z)Brown+EDB	(U)Zinc+EDB	(Z)Brown+EDB	(U)Zinc+EDB	(Z)Brown+EDB
Sprocket Material	Steel		Steel		Steel		Steel	Steel
Lock Ring Type	○		○		○		○	○
Light Weight Holes	×		×		×		×	×
Spacer Material	Resin		Resin		Resin		Resin	Resin
Chain Compatibility	7.1~7.9mm		7.1~7.9mm		7.1~7.9mm		7.9mm	7.9mm
Weight	535g		495g		453g		410g	410g

Model No	MFM08 7DV (U)	MFM08 6DV (U)	MFM05 7CS	MFM05 6DS	MFM05 5DS
Function	Friction		Friction		
Speeds	7-Speed	7-Speed	7-Speed	6-Speed	5-Speed
Number of Teeth	13-34T	13-28T	13-28T	14-28T	14-28T
Sprocket Finish	Black	Black	Black		
Sprocket Material	Steel	Steel	Steel		
Light Weight Holes	×	×	×		
Spacer Material	Resin	Resin	Resin		
Chain Compatibility	7.1~7.9mm	7.1~7.9mm	7.1~7.9mm	7.1~7.9mm	7.9mm
Weight	480g	438g	438g	402g	432g

Specifications

Rear Derailleurs

Model No.	RDM95 LD	RDM93 LD
Mounting Type	(D) Direct	(D) Direct
Speeds	9-Speed	9-Speed
Max. Sprocket	32T	32T
Min. Sprocket	11T	11T
Rear Capacity	31T	31T
Total Capacity	41T	41T
Outer Link	Magnesium Alloy	Magnesium Alloy
Inner Link	Steel	Steel
Bracket Body	Engineering Polymers	Engineering Polymers
Plate Body	Engineering Polymers	Engineering Polymers
Outer Plate Cage	6061 Aluminum	6061 Aluminum
Inner Plate Cage	Steel	Steel
Guide Pulley	13T (bushing)	11T (bushing)
Tension Pulley	13T (bushing)	13T (bushing)
Pin Bushing Outer Link	○	○
Pin Bushing Inner Link	×	×
Weight	303.5g	303.5g

Model No.	RDM63 LD	RDM53 LD
Mounting Type	(D) Direct	(D) Direct
Speeds	8-Speed	8-Speed
Max. Sprocket	34T	30T
Min. Sprocket	11T	11T
Rear Capacity	23T	19T
Total Capacity	41T	35T
Outer Link	Magnesium Alloy	Engineering Polymers
Inner Link	Steel	Steel
Bracket Body	Engineering Polymers	Engineering Polymers
Plate Body	Engineering Polymers	Engineering Polymers
Outer Plate Cage	6061 Aluminum	Engineering Polymers
Inner Plate Cage	Steel	Engineering Polymers
Guide Pulley	11T (bushing)	11T (bushing)
Tension Pulley	13T (bushing)	11T (bushing)
Pin Bushing Outer Link	○	○
Pin Bushing Inner Link	×	×
Weight	292g	243g

Model No.	RDM48 XD	RDM48 XB	RDM33 LD	RDM33 LB	RDM33 SD	RDM33 SB
Mounting Type	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket
Speeds	9-Speed		7-Speed		6-Speed	
Max. Sprocket	34T		30T		30T	
Min. Sprocket	13T		11T		13T	
Rear Capacity	21T		17T		16T	
Total Capacity	41T		37T		36T	
Guide Pulley	11T (bushing)		11T		11T	
Tension Pulley	15T (bushing)		11T		11T	
Weight	345g	285g	233g	270g	225g	265g

Model No.	RDM17 LD	RDM17 LB	RDM28 LD	RDM18 LB	RDM15 LD	RDM15 LB
Cage Type	(L) Long	(L) Long	(L) Long	(L) Long	(L) Long	(L) Long
Mounting Type	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket
Speeds	7/6-Speed		7/6-Speed		5-speed	
Max. Sprocket	28T		28T		28T	
Min. Sprocket	13T		13T		14T	
Rear Capacity	15T		15T		14T	
Total Capacity	35T		35T		34T	
Weight	285g	293g	285g	290g	285g	293g

Model No.	RDM88 XD	RDM88 XB	RDM810 LD	RDM810 LB	RDM807 LD	RDM807 LB
Cage Type	(G) Mega Drive	(G) Mega Drive	(L) Long	(L) Long	(L) Long	(L) Long
Mounting Type	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket
Speeds	Friction		Friction		Friction	
Max. Sprocket	34T		30T		30T	
Min. Sprocket	13T		13T		13T	
Rear Capacity	21T		15T		15T	
Total Capacity	41T		35T		35T	
Weight	320g	345g	285g	290g	285g	290g

Specifications

Hubs

Model No.	HBM04		HBM04		HBM04	
	F	R	F	R	F	R
Hub Shell Material	A6061 Aluminum		A6061 Aluminum		A6061 Aluminum	
Bearing	Seal Cartridge		Seal Cartridge		Seal Cartridge	
O-Dimension	---		---		---	
Over Lockout Dimension	113mm	130mm	113mm	130mm	113mm	135mm
Hub Axle Material	---	SCM435	---	SCM435	---	SCM435
Hub Axle Diameter	26mm	9mm	26mm	9mm	26mm	10mm
Hub Axle Length	140mm	110mm	140mm	110mm	140mm	145mm
Spoke Holes	32H	32H/36H	32H	32H/36H	32H	32H/36H
Pitch Circle Diameter	58mm	58mm	58mm	58mm	58mm	58mm
Flange Width	58.5mm	58mm	57mm	58mm	57mm	57mm
QR Lever Material	n/a	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum
QR Nut Material	n/a	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum
QR Axle Material	n/a	Titanium	Titanium	Titanium	SCM435	SCM435
QR Axle Length	n/a	112mm	149mm	112mm	149mm	
Finish	Metallic Grey	Metallic Grey	Metallic Grey	JUJU Silver	JUJU Silver	
Weight	250g	275g	408g	275g	420g	

Model No.	HBM13	
	F	R
Cassette/FreeWheel	---	Cassette
Double Rubber Seal		
Hub Shell Material	A6061 Aluminum	A6061 Aluminum
O-Dimension	---	40.5mm
Over Lockout Dimension	100mm	135mm
Hub Axle Length	108mm	144mm
Spoke Holes	32H/36H	32H/36H
Pitch Circle Diameter	58.5mm	45.5mm
Flange Width	57mm	58mm
Finish	Option	Option
Weight	168g	390g

Model No.	HBM48 (F)			HBM48 (A)	
	F	R7	R8	F	R7
Cassette/Freewheel	---	Freewheel	Freewheel	---	Freewheel
Type of Axle	Hollow			Solid	
Axle Diameter	9mm	10mm	10mm	20F	
O-Dimension	---	38mm	41mm	---	38mm
Over Lockout Dimension	100mm	135mm	135mm	130mm	135mm
Hub Axle Length	108mm	145mm	145mm	138mm	145mm
Spoke Holes	36H			36H	
Pitch Circle Diameter	58mm	45.5mm	45.5mm	58mm	45mm
Flange Width	52mm	57mm	57mm	52mm	57mm
Finish	Natural Alloy			Natural Alloy	
Weight	160g	311g	305g	160g	300g

Chains

Model	CNMB3(F)	CNMB3(Y)	CNMB3(S)	CNMB3(T)
Speed	9-Speed	9-Speed	9-Speed	9-Speed
Pitch	1/2" x 11/128"	1/2" x 11/128"	1/2" x 11/128"	1/2" x 11/128"
Pin Width	6.35mm	6.35mm	6.35mm	6.35mm
Pin Material	SCM420	SCM420	SCM420	SCM420
Pin Power	380kgf	380kgf	270kgf	420kgf
Outer Plate Material	SCM430 0.9mm	SCM430 0.9mm	SCM430 0.9mm	SCM430 0.9mm
Inner Plate Material	SCM430 0.9mm	SCM430 0.9mm	SCM430 0.9mm	SCM430 0.9mm
Tensile Strength	1050kgf	1050kgf	1050kgf	1050kgf
Finish	Chrome	Grey	Chrome	Grey
Easy Link	Standard	Standard	Standard	Standard

Model	CNMB3(H)	CNMB3(V)	CNMB3(K)	CNMB3(Y)
Speed	8-Speed	8-Speed	8-Speed	8-Speed
Pitch	1/2" x 3/32"	1/2" x 3/32"	1/2" x 3/32"	1/2" x 3/32"
Pin Width	7.1mm	7.1mm	7.1mm	7.1mm
Pin Material	SCM420	SCM420	SCM420	SCM420
Pin Power	380kgf	380kgf	380kgf	380kgf
Outer Plate Material	SAE1035 1.0mm	SAE1035 1.0mm	SAE1035 1.0mm	SAE1035 1.0mm
Inner Plate Material	SCM430 1.0mm	SCM430 1.0mm	SCM430 1.0mm	SCM430 1.0mm
Tensile Strength	1050kgf	1050kgf	1050kgf	1050kgf
Finish	Chrome	Grey	Chrome	Grey
Easy Link	Option	Option	Option	Option

Model	CNM53(V)	CNM53(B)	CNM53(B)
Speed	8/7/6-Speed	8/7/6-Speed	Friction
Pitch	1/2" x 3/32"	1/2" x 3/32"	1/2" x 3/32"
Pin Width	7.1mm	7.1mm	7.1mm
Pin Material	SAE1022	SAE1022	SAE1022
Pin Power	150kgf	150kgf	150kgf
Outer Plate Material	SAE1008 1.0mm	SAE1008 1.0mm	SAE1008 1.0mm
Inner Plate Material	SAE1008 1.0mm	SAE1008 1.0mm	SAE1008 1.0mm
Tensile Strength	900kgf	900kgf	900kgf
Finish	Grey	Black	Black
Easy Link	Option	Option	Option

Quick Release

Model	CNQ18	CNQ20	CNQ27
Pitch	1/2" x 3/32"	1/2" x 3/32"	1/2" x 3/32"
Pin Width	6.35mm	6.45mm	7.35mm

Content

R Series







RT/RZ/RX/R90

Newest additions to the R Series. Highest performance 10spd and 9spd road racing cassettes. P.23









R80

High performance 8spd Hubs, Chainwheel, Rear Derailleur and Cassettes. P.24

Content







R30

New 16spd, 14spd, and 12spd index road drivetrain complete with brake system. A great performance set with great value. P.25





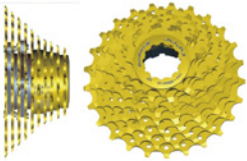


R03

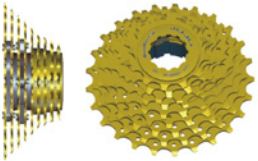
Classic remake of an entry level friction 12spd and 10spd drivetrain complete with brake system. A timeless classic set! P.27



CNR10



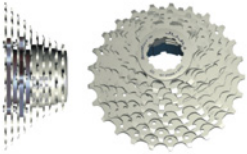
CSRT10 A0 11-25T
10 Speed(Ti-Nitride)



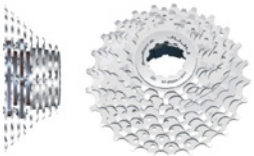
CSRZ4 9B0 12-25T
CSRZ4 9A0 11-23T
9 Speed (Ti-Nitride)



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



HBR84
F/R
HBR85
R



RDR85-SD
8SPEED



FCR83 52-42T
FCR81 53-39T



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



BLR30



BCR30



SLR38
R8/R7/LF



FDR30 SB



FCR33 52-42T
FCR31 53-39T



SLR37
R7/R6/R5/LF



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 SD



RDR31 SD



MFR35 7CS 13-24T
7 Speed UCP



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



RDR3R SD



SLRO3
FF/RF



BLRO2



BLRO3



BCRO3



FDR03 SB



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



FCR05



RDR03 SD

Specifications

Shifters

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		Brazed 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 Compatibity		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 Compatibity		1P AND ↑	
Weight		(D) 78g / (H) 70g	(D) 45g / (H) 37g

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 Chainring	Steel	Steel	Steel	Steel	Steel
Middle chainring	Steel	Steel	Steel	Steel	Steel
Chainring Bolts & Nuts	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	SCM435 Chromoly	X
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.	FDR40	FDR03
Top Gear Teeth	48 T	48 T
Top-Low Max. Capacity	10 T	10 T
Top-Middle Min. 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

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	5.6mm		5.6mm		5.6mm		6.6mm		6.6mm	
Weight	230g	230g	193g	233g	193g	233g	284g	347g	229g	241g

Model No	CSR85 8AM (S)	CSR85 8BO (S)	CSR85 8CQ (S)	CSR84 8BP (S)
Function	Fluid Drive			
Speeds	8-Speed			
Number of Teeth	11-21T	12-25T	13-25T	12-24T
Sprocket Finish	(S) Sandblast Satin			
Sprocket Material	SAPH440			
Sprocket Drilled Holes	○			
Spacer Material	Engineering Polymers w/ JUJU Logo			
Chain Compatibility	7.1~7.8mm			
Weight	200g	247g	280g	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		SAPH440	
Sprocket Drilled Holes	○		○	
Spacer Material	Resin		Resin	
Chain Compatibility	7.1~7.3		7.1~7.8mm	
Weight	255g	260g	230g	235g

Specifications

Freewheels

Model No.	MFR30 7CP (C)	MFR30 7CP (U)	MFR35 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	390g	357g

Hubs

Model No.	HBRS4F0	HBRS4F9	HBRS5R9
Casette Carrier Type	--	Shim.	Cmp.
Hub Sheel Material	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum
Bearing	Seal Cartridge	Seal Cartridge	Seal Cartridge
D-Dimension	---	41	41
Over Lockout Dimension	100mm	130mm	130mm
Hub Axle Material	A7075 Aluminum	SCM435	SCM435
Hub Axle Diameter	9mm	10mm	10mm
Hub Axle Length	110mm	140mm	140mm
Spoke Holes	32H	32H	32H
Pitch Circle Diameter	88mm	45.5mm	45.5mm
Flange Width	69mm	59mm	59mm
QR Lever Material	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum
QR Nut Material	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum
QR Axle Material	SCM415/Titanium	SCM415/Titanium	SCM415/Titanium
QR Axle Length	112mm	144mm	144mm
Finish	Silver	Silver	Silver
Weight	100g	330g	330g

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

Chains

Model	CNR10(S)
Speed	10-Speed
Pitch	1/2" x 11/128"
Pin Width	6.1mm
Pin Material	SCM425
Pin Power	300kgf
Outer Plate Material	SCM430 0.9mm
Inner Plate Material	SCM430 0.9mm
Tensile Strength	1050kgf
Finish	Chrome
Easy Link	Standard

Quick Release

Model	CNQ10	CNQ09	CNQ87
Pitch	1/2" x 3/32"	1/2" x 3/32"	1/2" x 3/32"
Pin Width	6.35mm	6.65mm	7.35mm



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