



SUNRACE

2005-2006

Product Catalogue



Content



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 value.*

P.5

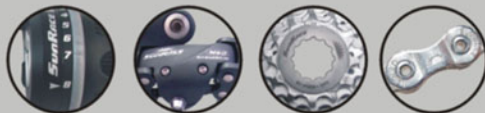
M95K/M95/M93K/M93



*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.5

M63



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

P.5

M53



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

P.5



Content

M4S



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

P.5

M33



21spd and 18spd Drivetrains for Recreational Sport use. Cyclop Display twist shifters and derailleurs made with advanced composite material.

P.5

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.5

M05



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

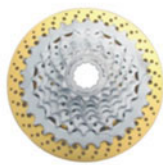
P.5



HBMD4



TSMDH R8



CSMD4 8AT 11-30T



**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



27 Speed Index



FCMX
44-32-22T



HBMX4
F/R9



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



FCM92 (ISIS)
FCM91
44-32-22T



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

MOUNTAIN



TSM95
R9/L3/LF
K (Karbow)



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

FCM94
42-32-22T
K (Karbow)



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



FDM95
LT/MT/ST
K (Karbow)



RDM95
LD
K (Karbow)



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

M90 JUJU



27 *Speed Index*



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
S (Chrome)

MOUNTAIN



27 Speed Index

M90 



TSM93
R9/L3/LF



FCM93
42-32-22T



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



FDM93
LT/MT/ST



RDM93
LD



CNM93
Y (Gray)

MOUNTAIN

M63 *24* speed *Index*
SUNRACE



TSM63
R8/R7/L3/LF



FCM63
42-32-22T



CSM63 8AV 11-34T
8AU 11-32T
8A5 11-28T
8BU 12-32T
8BV 12-34T
CSM63 7AV 11-34T
7A5 11-28T
7B5 12-28T
5 (Satin)



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



FDM63
LT/MT/ST



RDM63
LD



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

MOUNTAIN



24 speed Index **M53**
SunRace



TSM53
R8/R7/L3/LF



CSM52
8B5 12-28T
C (CP)



MFM52
MFM55
8C5 13-28T
U (UCP)



FDM53
LT/MT/ST



RDM53
LD



FCM51
42-34-24T



FCM52
42-34-24T



HBM53
F/R8



CNM83
5 (Chrome)
Y (Gray)

MOUNTAIN



TSM45
R7/L3



FCM52
42-34-24T



MFM45
7CV 13-34T



FDM45 (42T)
MD/SD



RDM45
XD/XB



HBM40
F/R7



CNM52

MOUNTAIN



21/18 speed Index **M33**
SunRace



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 LD/LB
(5 Speed)



FCM45
42-34-24T



FCM2A
48/38/28T



RDM2T LD/LB
(7&6 Speed)

MOUNTAIN



TSM2B (R)
R7/R6/LF



FDM2B
(48T)
5B/5T/MB/MT



RDM2B LD/LB
(7&6 Speed)



TSM2B (W)
R7/R6/LF



MFM2A (UCP)
70V 14-34T
70S 14-28T
60S 14-28T
50S 14-28T



MFM2A (BROWN)
70V 14-34T
70S 14-28T
60S 14-28T
50S 14-28T



TSM2S
R7/R6/LF

MOUNTAIN



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

MOUNTAIN

Specifications

Twist Shifters

Model No.	TSM95				TSM93		
	R8	R9	L3	LF	R9	L3	LF
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		
Cable Type	Slick-Stainless				Slick-Stainless		
Cable Length	2000mm	2000mm	1500mm		2000mm	1500mm	
Casing Compatibility	SP	SP	SP	2SP AND †	SP	SP	2SP AND †
Weight	R:82.5g	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 Compatibility	SP	2SP AND †	2P AND †	SP	2SP AND †	2P AND †
Weight	109g	106.5g	106.5g	89g	86g	86g
Handlebar diameter should	22.2 ± 0.2 MM / Tighten torque 15 ~ 25 kgf·cm					

Model No.	TSM45			TSM33			
	R7	L3	LF	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 Compatibility	SP	2SP AND †	SP	2SP AND †	2SP AND †	2SP AND †	2P AND †
Weight	114g	112g	89g	89g	86g	86g	86g
Handlebar diameter should	22.2 ± 0.2 MM / Tighten torque 15 ~ 25 kgf·cm						

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 Compatibility	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 Compatibility	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 Compatibility	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	48T	48T	48 T
Top-Low Max. Capacity	18 T	20 T	20 T	20T	10T
Top-Middle Min. Capacity	8 T	10 T	10 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.	FCM24	FCM2	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 Chaining	A7075 Aluminum	A7075 Aluminum	A7075 Aluminum	A7075 Aluminum
Middle Chaining	A7075 Aluminum	A7075 Aluminum	SS400	SS400
Inner Chaining	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 Chaining	SS400	SS400	SS400	SS400
Middle Chaining	SS400	SS400	SS400	SS400
Inner Chaining	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)

Specifications

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 Chaining	SS400	SS400		SS400	
Middle chaining	SS400	SS400		SS400	
Inner chaining	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
Chaining 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 Chaining	Steel	Steel
Middle chaining	Steel	Steel
Inner chaining	Steel	Steel
Crank Arms	Steel	Steel+Plastic
Crank Arm Length	170mm	170mm
Chaining 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	CSM24 9AU (S)
Function	Fluid Drive Plus
Speeds	8-Speed
Number of Teeth	11-31T
Sprocket Material	SAPH 440
Sprocket Finish	(S) Sandblast CP Satin
Light Weight Holes	□
Spacer Material	Aluminum
Protector Material	6061 Aluminum
Protector Finish	Anodized Gold
Chain Compatibility	6.6mm
Weight	415g

Model No	CSM24 9AV (T)	CSM24 9AU (T)	CSM24 9AV (S)	CSM24 9AU (S)	CSM24 9AV (S)	CSM24 9AU (S)	CSM45 9AU (S)	CSM4 9AV (S)	CSM4 9AU (S)	CSM8 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	11T-31T	11-34T	11-31T	11-34T	11-31T	11-31T	11-34T	11-31T	11-31T
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/ ZUJ Logo		Silver Aluminum w/ ZUJ Logo	Grey Engineering Polymers w/ ZUJ Logo		Red Engineering Polymers w/ ZUJ Logo
Chain Compatibility	8.6mm		8.6mm		8.6mm		8.6mm	8.6mm		8.6mm
Weight	283g	275g	283g	275g	370g	350g	350g	340g	340g	340g

Model No	CSM61 7AV (S)	CSM61 8AU (S)	CSM61 8AS (S)	CSM61 8BU (S)	CSM61 7AV (S)	CSM61 7AS (S)	CSM61 7BS (S)	CSM61 8BS (C)
Function	Super Fluid Drive				Super Fluid Drive		Fluid Drive Plus	
Speeds	8-Speed				7-Speed		8-Speed	
Number of Teeth	11-34T	11-31T	11-31T	12-31T	11-34T	11-28T	12-28T	12-31T
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	7.1-7.3mm				7.1-7.3mm		7.1-7.3mm	
Weight	353g	350g	330g	335g	297g	345g	355g	370g

Specifications

Freewheel

Model No	MFM00 8CU (C)	MFM00 8CU (U)	MFM15 8CS (U)	MFM15 8CS (U)
Function	Fluid Drive Plus		Fluid Drive	Fluid Drive
Speeds	8-Speed		8-Speed	8-Speed
Number of Teeth	13-31T		13-28T	13-28T
Sprocket Finish	(C) Chrome Plated	(U) Zinc	(U) Zinc	(U) Zinc
Sprocket Material	Steel		Steel	Steel
Sprocket Drill of Holes	□		□	□
Spacer Material	Resin		Resin	Resin
Chain Compatibility	7.1~7.3mm		7.1~7.3mm	7.1~7.3mm
Weight	572g	572g	555g	555g

Model No	MFM45 (U)	MFM30 7CS (C)	MFM30 7CS (U)	MFM35 7CS (U)	MFM22 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	7.1~7.3mm	7.1~7.3mm	7.1~7.3mm	7.1~7.3mm	7.1~7.3mm
Weight	504g	460g	460g	460g	433g

Model No	MFM2A 7TW (U)	MFM2A 7TW (C)	MFM2A 7TS (U)	MFM2A 7TS (C)	MFM2A 6DS (U)	MFM2A 6DS (C)	MFM2A 5DS (U)	MFM2A 5DS (C)
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	(C)Brown+EDB	(U)Zinc+EDB	(C)Brown+EDB	(U)Zinc+EDB	(C)Brown+EDB	(U)Zinc+EDB	(C)Brown+EDB
Sprocket Material	Steel		Steel		Steel		Steel	Steel
Lock Ring Type	□		□		□		□	□
Light Weight Holes	×		×		×		×	×
Spacer Material	Resin		Resin		Resin		Resin	Resin
Chain Compatibility	7.1~7.3mm		7.1~7.3mm		7.1~7.3mm		7.3mm	7.3mm
Weight	535g		495g		453g		418g	418g

Model No	MFM03 7CV (C)	MFM03 6DV (C)	MFM05 7CS	MFM05 6DS	MFM05 5DS
Function	Friction		Friction		
Speeds	7-Speed	7-Speed	7-Speed	6-Speed	5-Speed
Number of Teeth	13-28T	13-28T	13-28T	14-28T	14-28T
Sprocket Finish	Black		Black		
Sprocket Material	Steel		Steel		
Light Weight Holes	×		×		
Spacer Material	Resin		Resin		
Chain Compatibility	7.1~7.3mm		7.1~7.3mm	7.1~7.3mm	7.3mm
Weight	420g	420g	420g	422g	432g

Specifications



Rear Derailleurs

Model No	RDM91 LD	RDM91 LD
Mounting Type	(D) Direct	(D) Direct
Speeds	9-Speed	9-Speed
Max. Sprocket	37T	37T
Min. Sprocket	11T	11T
Rear Capacity	26T	26T
Total Capacity	41T	41T
Outer Link	Magnesium Alloy	Magnesium Alloy
Inner Link	Steel	Steel
Sprocket Body	Engineering Polymers	Engineering Polymers
Plate Body	Engineering Polymers	Engineering Polymers
Outer Plate Cage	6061 Aluminium	6061 Aluminium
Inner Plate Cage	Steel	Steel
Guide Pulley	11T (bushing)	11T (bushing)
Tension Pulley	13T (bushing)	13T (bushing)
Pin Bushing Outer Link	○	○
Pin Bushing Inner Link	×	×
Weight	303.5g	303.5g

Model No	RDM31 LD	RDM31 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	43T	39T
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 Aluminium	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	297g	243g

Model No	RDM45 XD	RDM45 ZB	RDM31 LD	RDM31 LB	RDM31 SD	RDM31 SB
Mounting Type	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket	(D) Direct	(B) Bracket
Speeds	7-Speed		7-Speed		6-Speed	
Max. Sprocket	34T	30T	30T	30T	30T	30T
Min. Sprocket	13T	13T	13T	13T	13T	13T
Rear Capacity	21T	17T	17T	17T	16T	16T
Total Capacity	41T	37T	37T	37T	36T	36T
Guide Pulley	11T (bushing)	11T	11T	11T	11T	11T
Tension Pulley	13T (bushing)	13T	13T	13T	13T	13T
Weight	345g	385g	336g	376g	325g	365g

Model No	RDM71 LD	RDM71 LB	RDM7B LD	RDM7B 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	28T	28T	28T
Min. Sprocket	13T	13T	13T	13T	14T	14T
Rear Capacity	15T	15T	15T	15T	14T	14T
Total Capacity	35T	35T	35T	35T	34T	34T
Weight	385g	396g	385g	396g	365g	396g

Model No	RDM08 XD	RDM08 ZB	RDM10 LD	RDM10 LB	RDM07 LD	RDM07 LB
Cage Type	(C) Mega Drive	(C) 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	28T	28T	28T	28T	28T
Min. Sprocket	13T	13T	13T	13T	13T	13T
Rear Capacity	21T	15T	15T	15T	15T	15T
Total Capacity	41T	35T	35T	35T	35T	35T
Weight	330g	345g	385g	396g	365g	396g

Specifications

Hubs

Model No.	HBMD4		HBMD4		HBMD4	
	F	F	F9	F	E9	
Hub Shell Material	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	
Bearing	Seal Cartridge	Seal Cartridge	Seal Cartridge	Seal Cartridge	Seal Cartridge	
D-Dimension	---	---	41mm	---	41mm	
Over Locknut Dimension	110mm	100mm	135mm	100mm	135mm	
Hub Axle Material	---	2C24435	2C24435	2C24435	2C24435	
Hub Axle Diameter	20mm	9mm	10mm	9mm	10mm	
Hub Axle Length	148mm	110mm	145mm	110mm	145mm	
Spoke Holes	3H	3H/36H	3H/36H	3H/36H	3H/36H	
Pitch Circle Diameter	58mm	58mm	58mm	58mm	58mm	
Flange Width	56.5mm	58mm	57mm	58mm	57mm	
QR Lever Material	n/a	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	
QR Nut Material	n/a	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	A6061 Aluminum	
QR Axle Material	n/a	Titanium	Titanium	2C24435	2C24435	
QR Axle Length	n/a	112mm	149mm	112mm	149mm	
Finish	Metallic Gray	Metallic Gray	Metallic Gray	JUJU Silver	JUJU Silver	
Weight	250g	275g	400g	275g	420g	

Model No.	HB1453	
	F	E8
Cassette/FreeWheel	---	Cassette
Double Rubber Seal	()	()
Hub Shell Material	A6061 Aluminum	A6061 Aluminum
D-Dimension	---	40.5mm
Over Locknut Dimension	100mm	135mm
Hub Axle Length	108mm	145mm
Spoke Holes	3H/36H	3H/36H
Pitch Circle Diameter	38.5mm	45.5mm
Flange Width	72mm	58mm
Finish	Option	Option
Weight	160g	890g

Model No.	HB1440 (H)			HB1440 (A)		
	F	E7	E6	F	E7	E6
Cassette/FreeWheel	---	FreeWheel	FreeWheel	---	FreeWheel	FreeWheel
Type of Axle	---	Hollow	---	---	Solid	---
Axle Diameter	9mm	10mm	10mm	---	8.8"	---
D-Dimension	---	88mm	86.5mm	---	88mm	86.5mm
Over Locknut Dimension	100mm	125mm	130mm	100mm	125mm	130mm
Hub Axle Length	108mm	145mm	140mm	108mm	145mm	140mm
Spoke Holes	---	36H	---	---	36H	---
Pitch Circle Diameter	88mm	45mm	45mm	88mm	45mm	45mm
Flange Width	72mm	57mm	57mm	72mm	57mm	57mm
Finish	---	Natural Alloy	---	---	Natural Alloy	---
Weight	160g	215g	205g	160g	890g	380g



Sun Race Sturmey-Archer USA.

3212 Jefferson St. # 409
Napa, CA 94558-3436 U.S.A.

Tel : +1 (707) 259-6700
Fax : +1 (707) 259-6710
<http://www.sunrace.com>
www.sturmey-archer.com

E-mail: info@sunrace.com



Sun Race Sturmey-Archer Europe .

Kelenbergweg 79, 1101 GE
Amsterdam Z.O. The Netherlands

Tel : +31 (0)20-609-0221
Fax : +31 (0)20-609-0211

<http://www.sunrace.com>
www.sturmey-archer.com

E-mail: info@sunrace.nl



Sun Race Sturmey-Archer Inc.

NO.51, Hai-Shan-Jung St., Hai-Hu Village,
Lu-Ju City, Taoyuan County, Taiwan

Tel : +886(3)354-4979
Fax : +886(3)354-2858

<http://www.sunrace.com>
www.sturmey-archer.com

E-mail: info@sunrace.com

