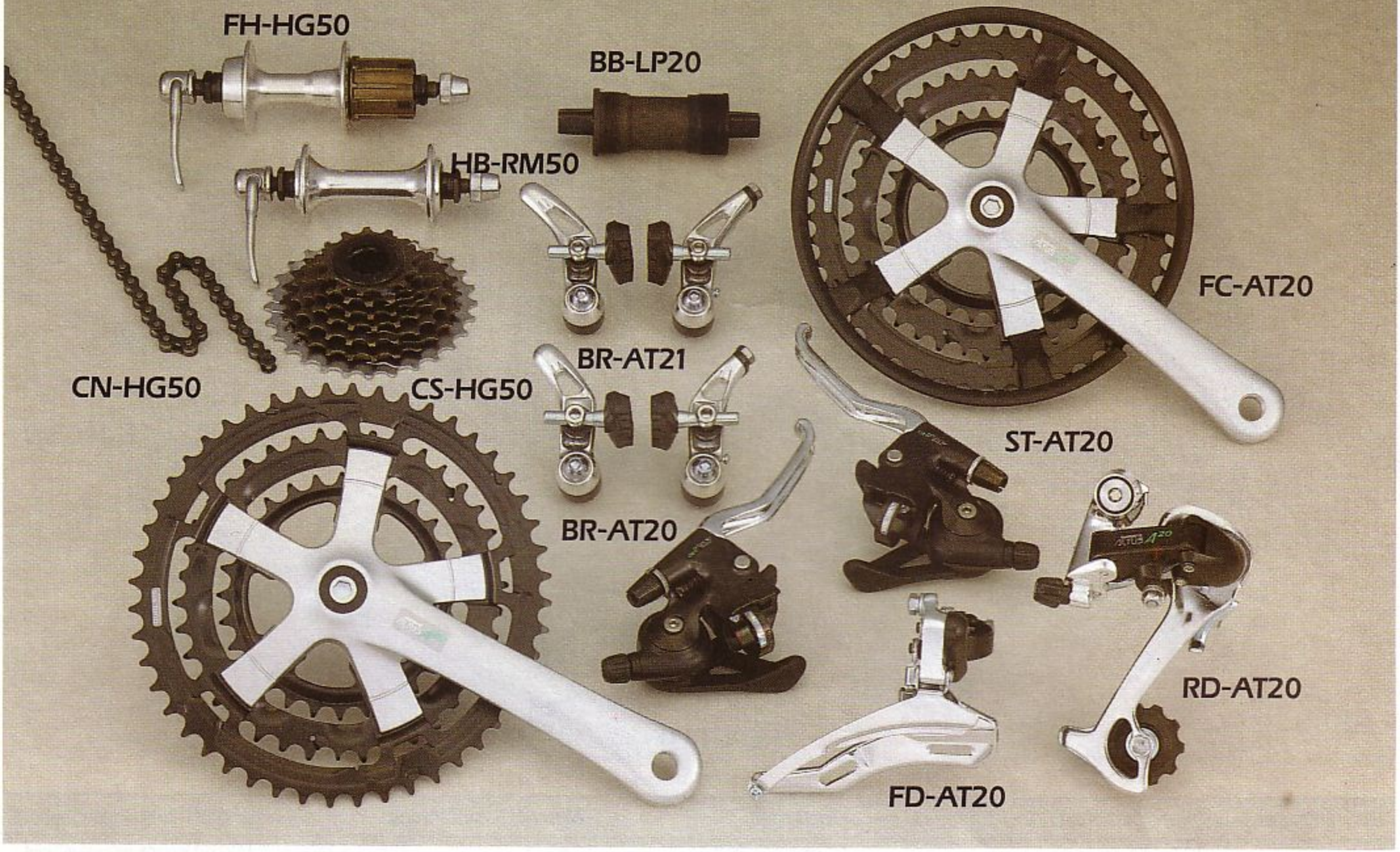
SHIMANO ALTUS A10

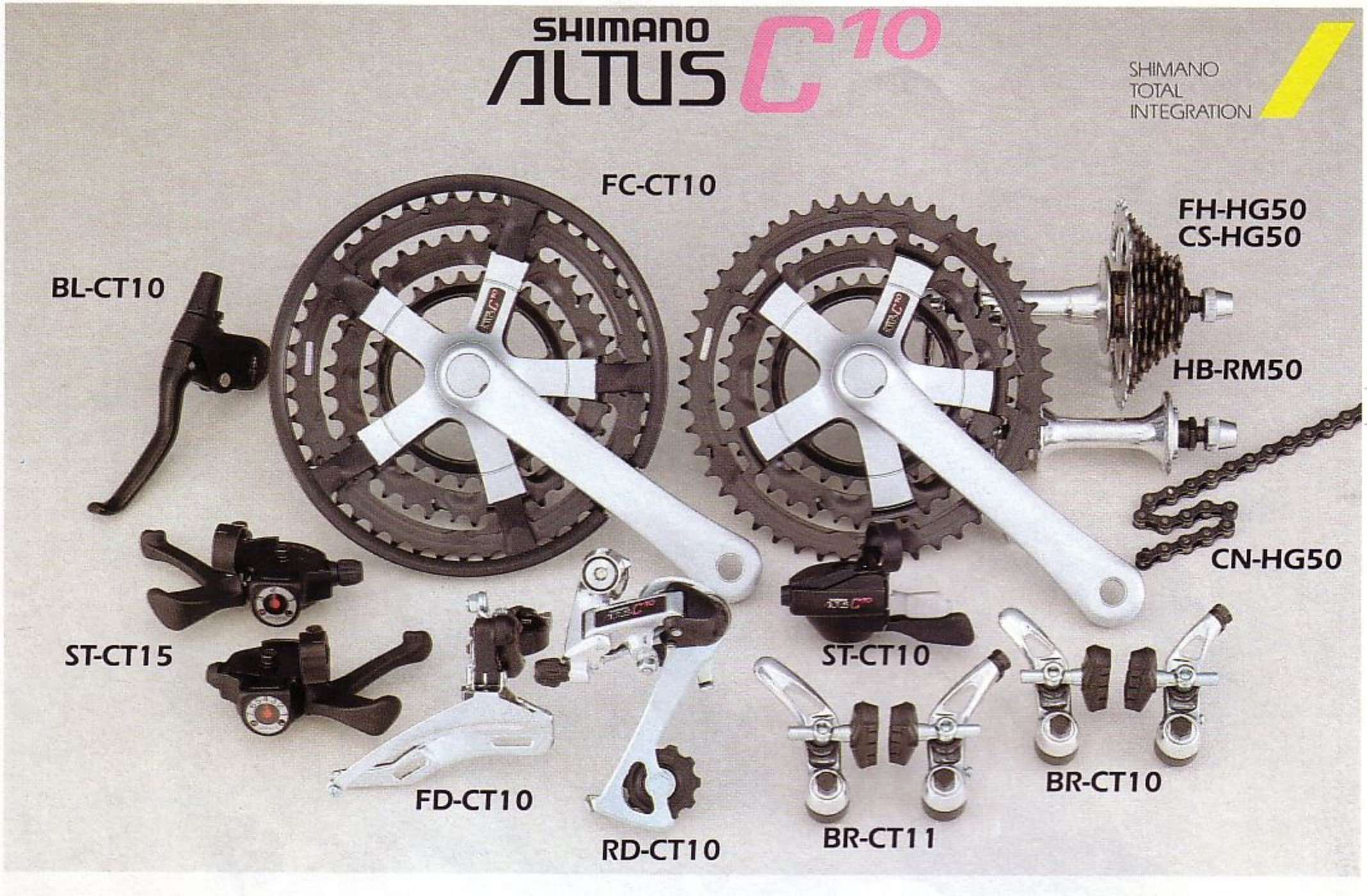
SHIMANO
TOTAL
INTEGRATION



SHIMANO ALTUS A20

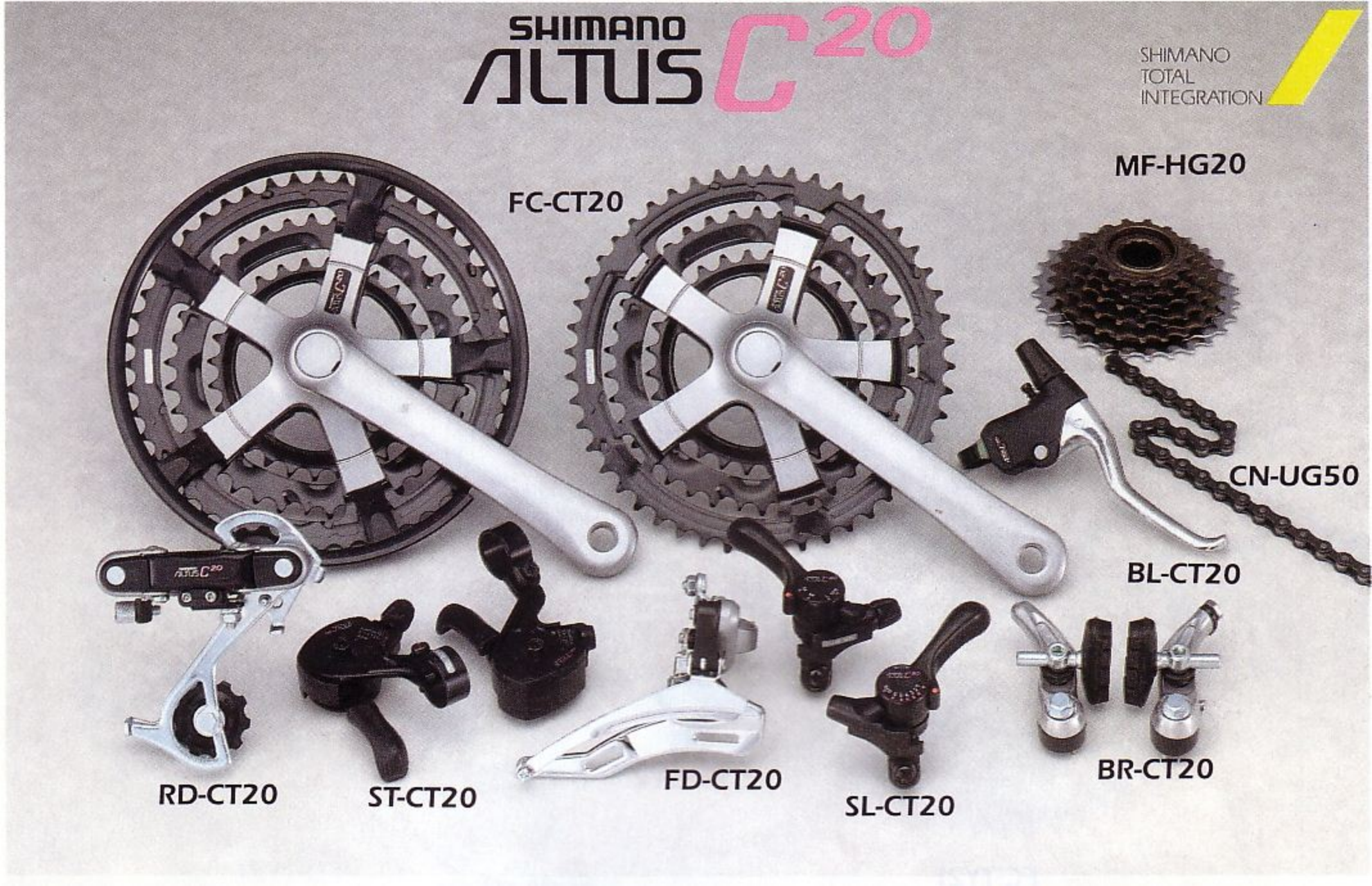
SHIMANO TOTAL INTEGRATION




SHIMANO
ALTUS C10
SHIMANO
TOTAL
INTEGRATION
FC-CT10
FH-HG50
CS-HG50
BL-CT10
HB-RM50
CN-HG50
ST-CT15
ST-CT10
FD-CT10
BR-CT10
BR-CT11
RD-CT10

SHIMANO ALTUS C20

SHIMANO
TOTAL
INTEGRATION



SHIMANO DEORE DX

SHIMANO TOTAL INTEGRATION



FC-MT60-A



PD-M650

SP-M650



BR-M650-M



FH-M650

HB-M650



BR-M651-M



ST-M075



CS-HG70



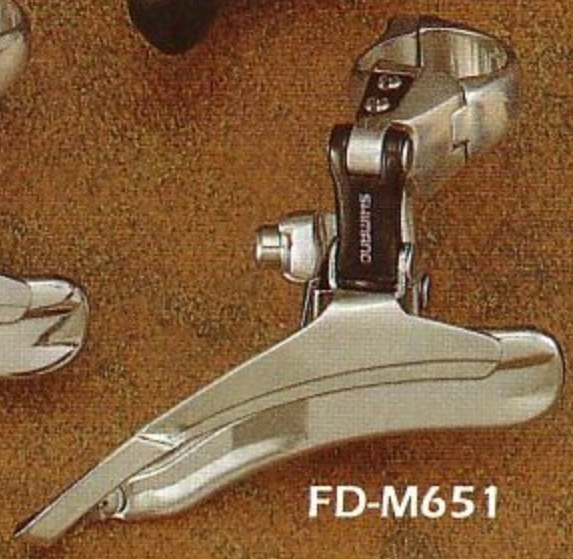
CN-HG70



RD-M650



FD-M650



FD-M651



HP-M650



BB-UN51

SHIMANO DEORE LX

SHIMANO
TOTAL
INTEGRATION

PD-M525





BB-UN51

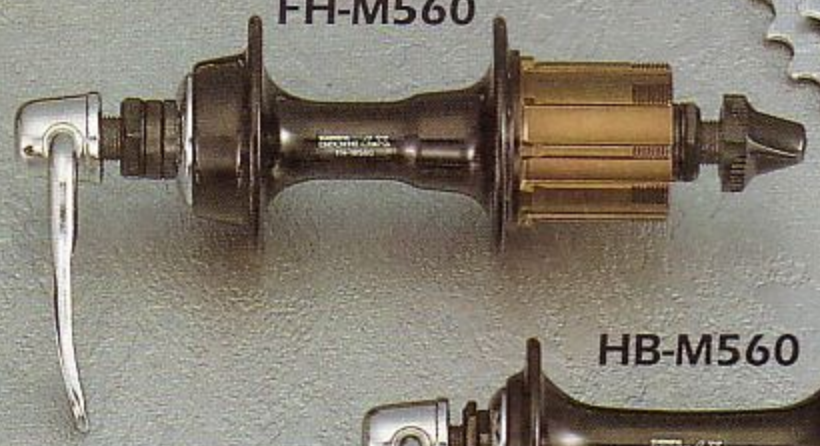


CS-HG70



CN-HG50

FH-M560



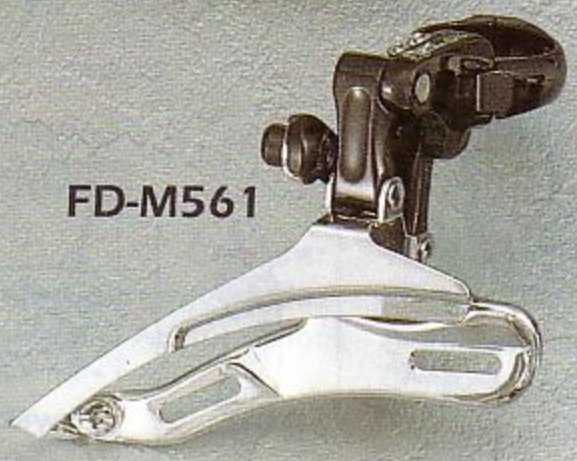
HB-M560



FD-M560



FD-M561



ST-M560



RD-M560



BR-M560





FC-M560

BR-M561



SHIMANO DEORE XT

SHIMANO
TOTAL
INTEGRATION

SP-M730

DF-M730

BB-UN71

CS-HG90

PD-M735

FH-M732

HB-M730

SQ-M730

CN-HG90

BR-M734-M

FD-M735

HP-M735

FD-M736

ST-M095

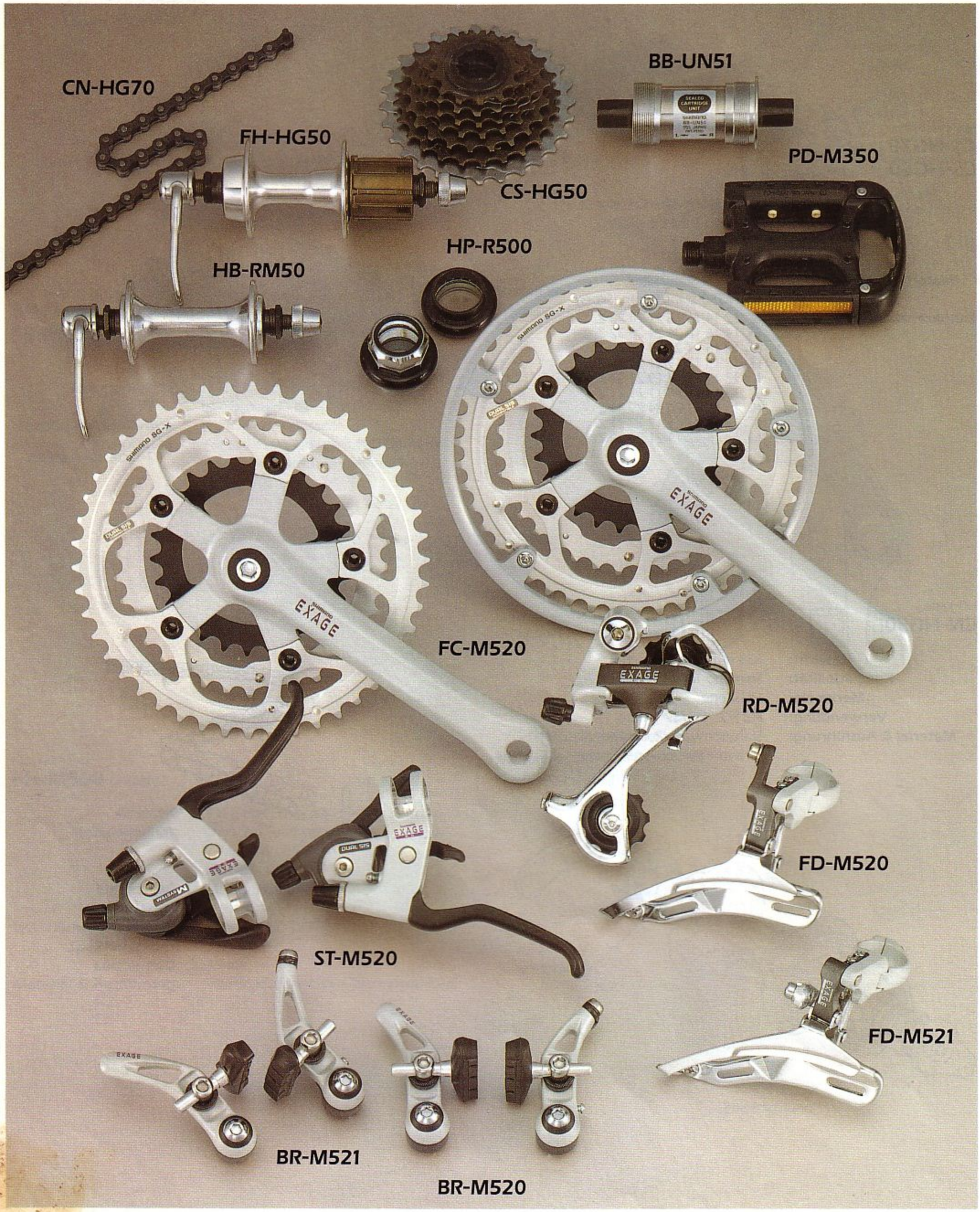
RD-M735

FC-M730-A

SHIMANO
EXAGE
ES

SHIMANO
TOTAL
INTEGRATION

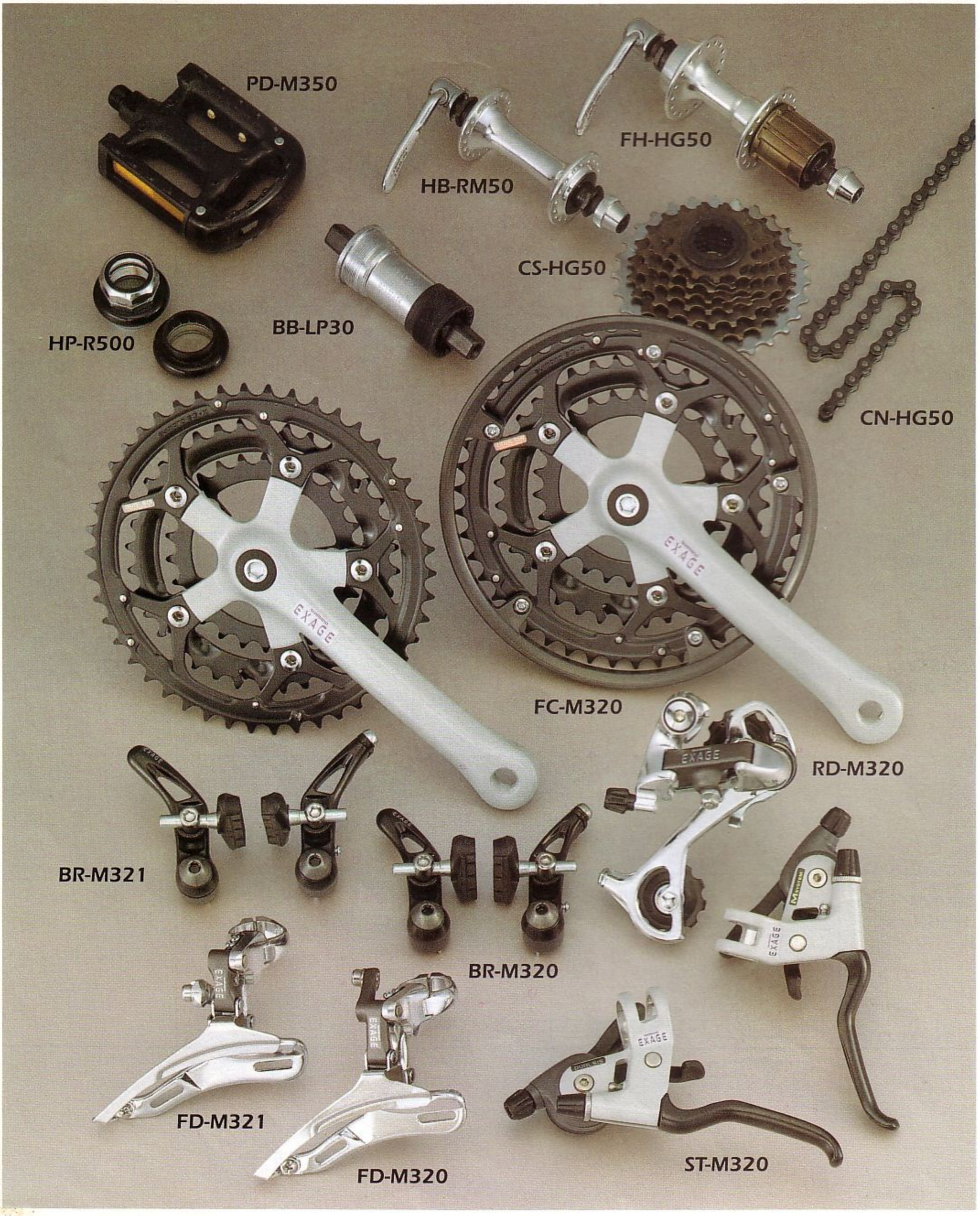
Exage ES ist gleichermaßen geeignet für Fahrten in der Stadt und im Gelände. Durch eine vollständige Ausstattung mit den Shimano-Funktionen bietet das mit Exage ES ausgerüstete Rad stets hohe Leistungsfähigkeit, ganz gleich, wo Sie fahren.



SHIMANO
EXAGE
LT

SHIMANO
TOTAL
INTEGRATION

Als zweite Komponentengruppe in der Exage-Reihe ist Exage LT ideal für City-Bikes wie für Mountainbikes. Exage LT bietet Ihnen die Qualität, Leistungsfähigkeit und Funktionalität, die Sie von Shimano erwarten.

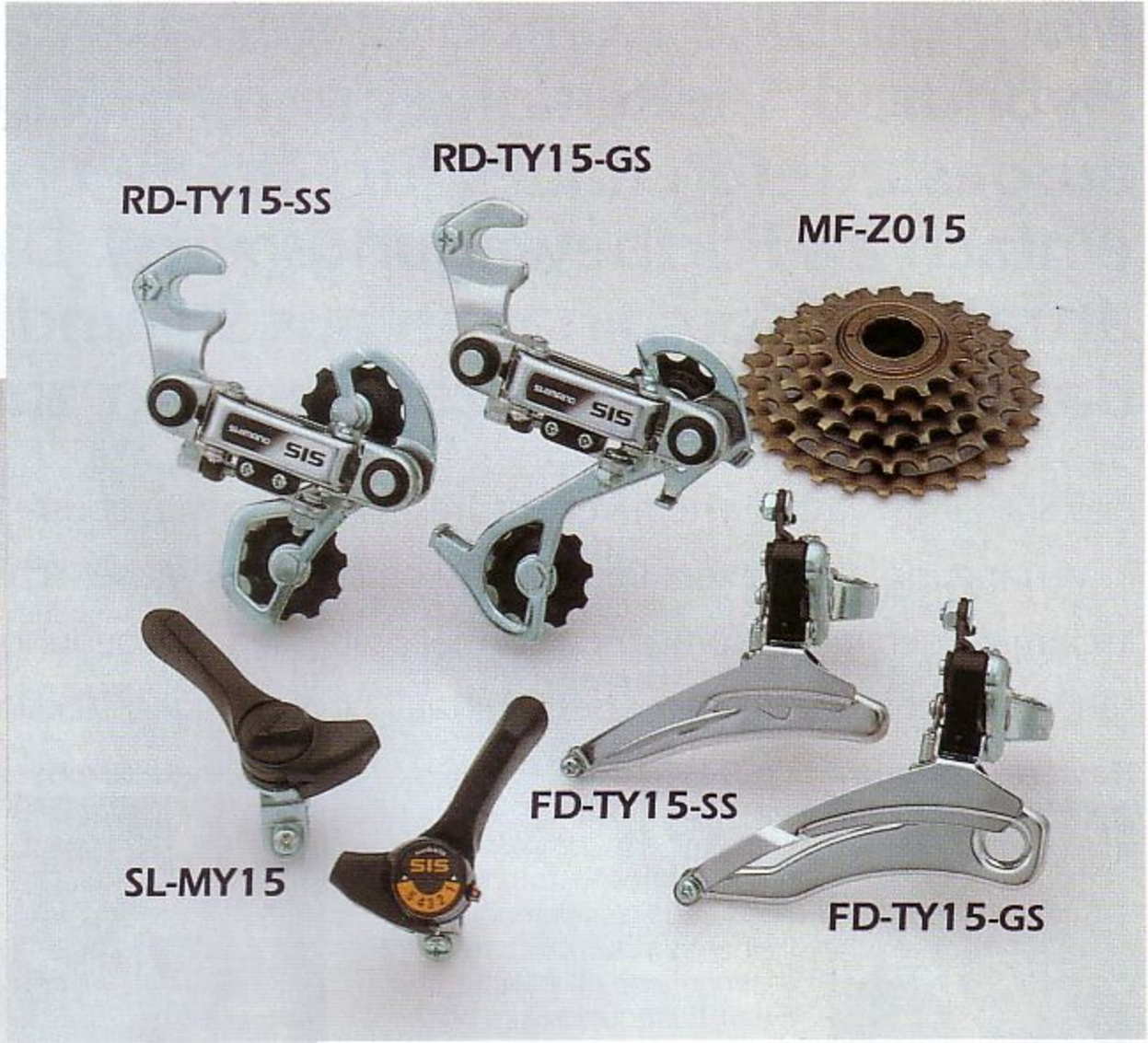


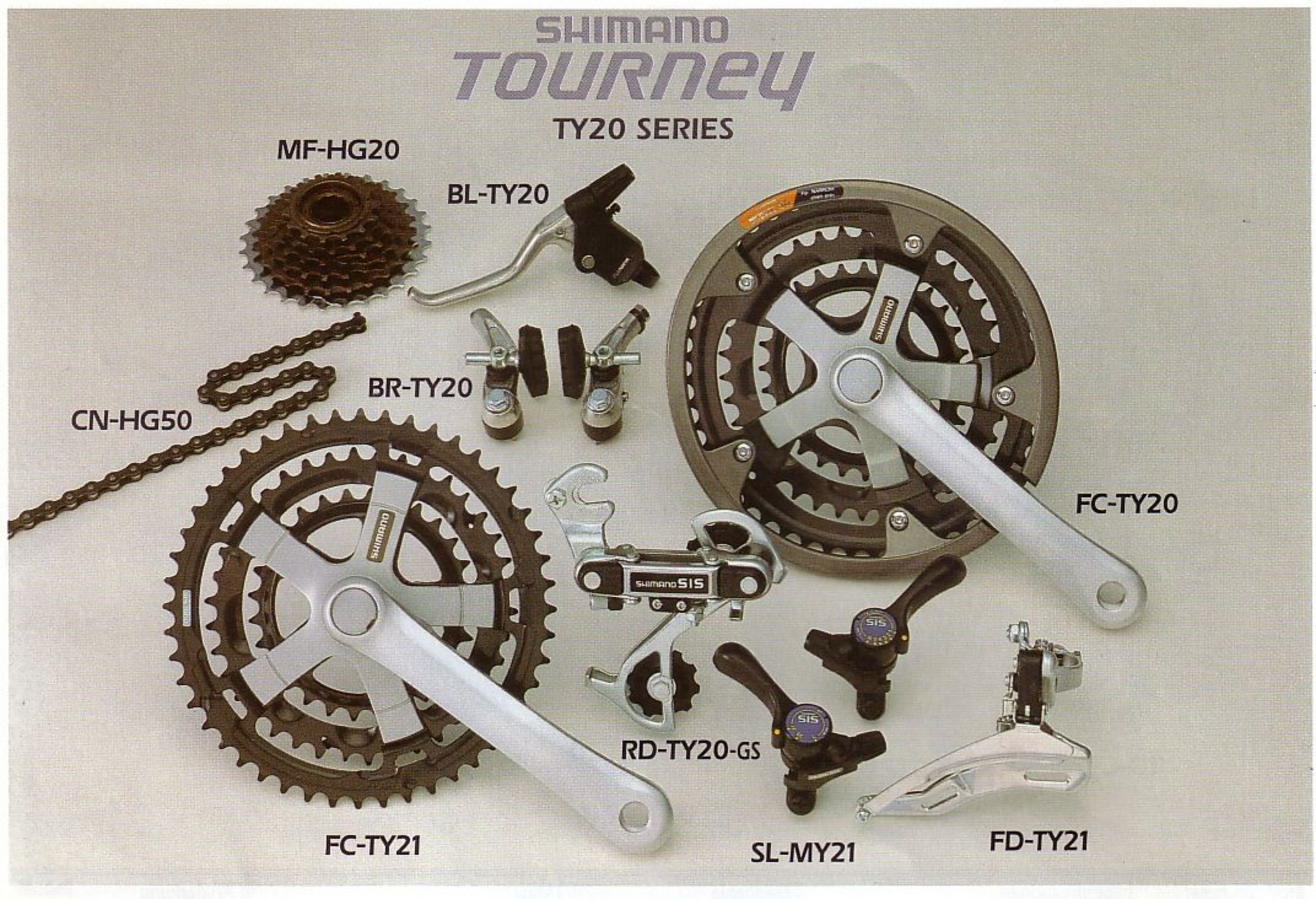
SHIMANO

Tourney

TY15 SERIES






SHIMANO
TOURNEY
TY20 SERIES
MF-HG20
BL-TY20
BR-TY20
CN-HG50
FC-TY20
RD-TY20-GS
FC-TY21
SL-MY21
FD-TY21

SHIMANO XTR

SHIMANO TOTAL INTEGRATION

SP-M900

HB-M900

BB-UN91

SQ-M900

FH-M900

BR-M900-R

BR-M900-F

CS-M900

CN-7401

FD-M900

FC-M900

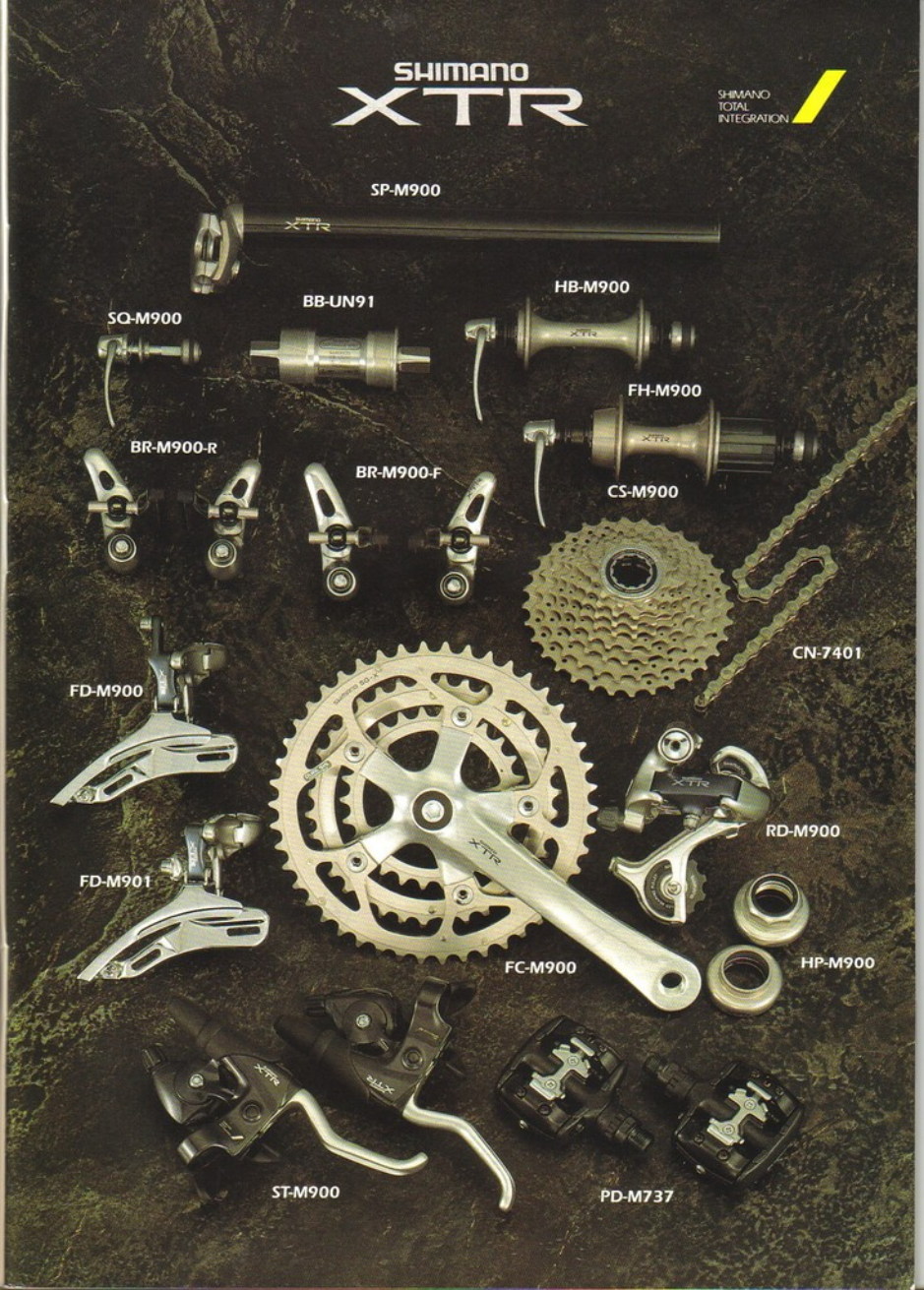
RD-M900

FD-M901

HP-M900

ST-M900

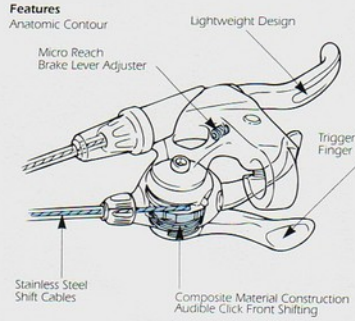
PD-M737


SHIMANO
XTR
SHIMANO
TOTAL
INTEGRATION
SP-M900
HB-M900
BB-UN91
SQ-M900
FH-M900
BR-M900-R
BR-M900-F
CS-M900
CN-7401
FD-M900
RD-M900
FD-M901
HP-M900
FC-M900
ST-M900
PD-M737

Rapidfire Plus Shift Lever Set

ST-M900 (Servo-Wave/2-Finger Lever)

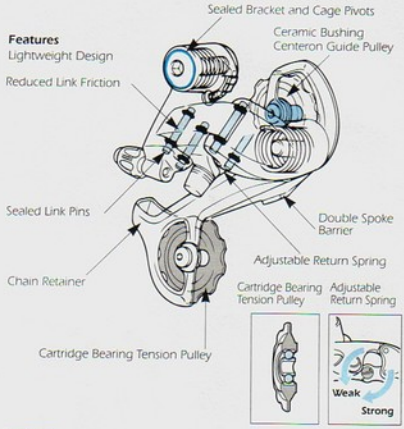
Weight	411g (pair)
Compatibility	Shimano Total Integration Shimano HyperDrive 8-speed SIS SLR/Shimano Linear Response) Plus
Clamp Dia	22.2 mm
Material & Finish	Aluminium/Titanium Colour Paint (bracket) Forged Aluminium/Anodized (lever)
Note	Use with SLR cable housing and SIS-SP shift cable housing for best performance. Avoid using bar grips more than 5mm thick.



Rear Derailleur

RD-M900 (medium cage)

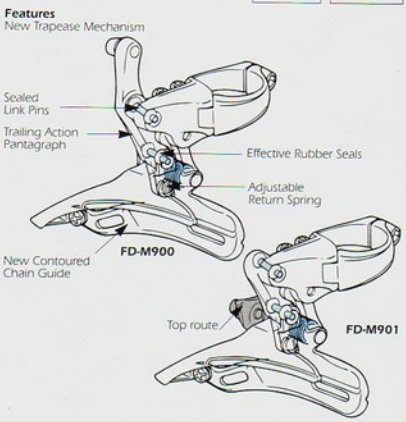
Weight	230g	
Compatibility	Shimano Total Integration 8-speed SIS	
Capacities	Max. Sprocket	32T
	Min. Sprocket	12T
	F/Difference	22T
	Total Capacity	33T
Material & Finish	Aluminum/Anodized	



Front Derailleur

FD-M900
FD-M901 (top route)

Weight	118g
Compatibility	Shimano Total Integration Shimano HyperDrive Shimano SG Gear Narrow Chain
Capacity	24T (Biopace HP) 26T (round)
Clamp Dia	28.6/31.8/34.9mm (band mount) 31.8 mm (EC type)
Material & Finish	Aluminum/Anodized (F&R band, R&L links) Steel/Chrome Plated (chain guide bolt)

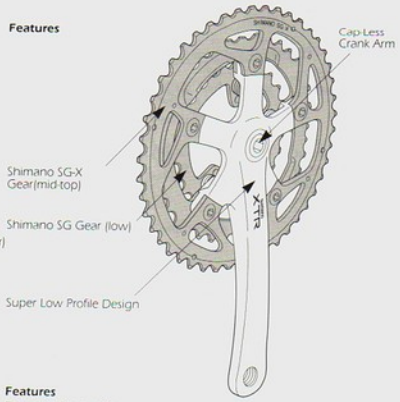


Front Chainwheel

FC-M900-A (SG-X Gear Triple / MD Type)

Weight 680g (46-36-26T/175 mm)
Compatibility Shimano Total Integration
Shimano HyperDrive
Dual SIS
Narrow Chain
Chain Size 1/2" x 3/32"
Gearing 48-36-26T/46-36-26T (round SG)
Crank Arm Lengths 165/170/175/180mm
Pedal Thread BC 9/16" x 20T.P.I.
Bottom Brackets BB-UN91 / BB-UN90
Material & Finish Cold Forged Aluminium/
Titanium Colour Anodized (crank arms and spider)
Aluminium/Anodized (chain rings)

Features



Sealed Cartridge Bottom Bracket

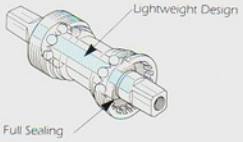
BB-UN91

Weight 255g
Compatibility Shimano HyperDrive
Narrow Chain
Easy Assemble Design

Specifications

Chain Line	47.5mm	50mm
Spindle Length	107mm	113mm
Shell Width	68(BC) 70(M36) 73(BC)	68(BC) 70(M36) 73(BC)
Spindle Marking	MM107	LL113

Features
Extended Service Life
Maintenance Free

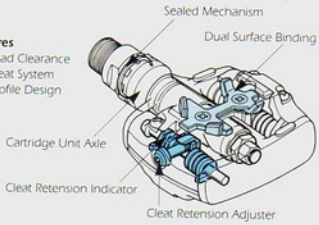


SPD Pedal

PD-M737

Weight 450g (pair)
Axle Thread BC 9/16" x 20T.P.I.
Material & Finish Aluminum/Black (pedal body)
Cr-Mo Steel (axle)

Features
31° Road Clearance
SPD Cleat System
Low-Profile Design

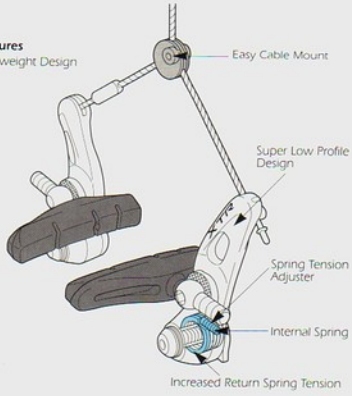


Cantilever Brake

BR-M900-F/R

Weight 340g (F&R)
Compatibility Shimano Total Integration
SLR (Shimano Linear Response) Plus
Material & Finish Cold Forged Aluminum/Titanium Color Anodized
Note Use BR-M900 cantilevers with
ST-M900 lever set and SLR cable housing.

Features
Lightweight Design

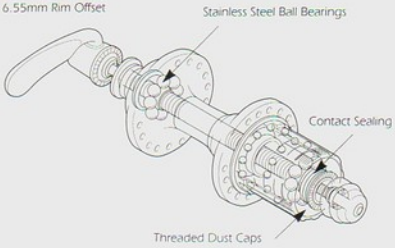


Freehub

FH-M900 (8-speed)

Weight	454g (w/QR)
Compatibility	Shimano Total Integration 8-speed SIS Spider Arm Sprockets HG Gear
Over Locknut	135mm
Axle Length	146mm
Axle Dia	10mm
Spoke Holes	28/32/36
Hole P.C.D.	45mm
Material & Finish	Aluminum/Titanium Colour Anodized (hub shell)

Features
Spider Arm Boss Included
Lightweight Design
6.55mm Rim Offset

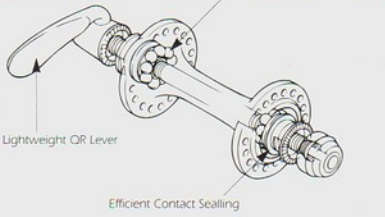


Front Hub

HB-M900-F

Weight	214g (w/QR)
Over Locknut	100mm
Axle Length	108mm
Axle Thread	9mm
Spoke Holes	28/32/36
Hole P.C.D.	38mm
Material & Finish	Aluminum/Titanium Colour Anodized (hub shell)

Features
Lightweight Design
Stainless Steel Ball Bearings
Precision Machined/Polished Bearings

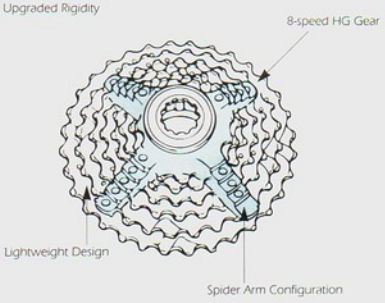


Cassette Sprockets

CS-M900-8 (8-speed)

Weight	332g (P-group)
Compatibility	Shimano Total Integration 8-speed SIS Narrow Chain
Chain Size	1/2" x 3/32"
Material & Finish	Steel/Champagne Gold (sprockets) Aluminum (spider arm)
Sprocket Combinations	**P** 12 -14 16 18 21 24 28 32T **Q** 12 13 14 16 18 21 24 28T
Note	CS-M900-8 sprockets must be used with FH-M900 freehub.

Features
Improved Gear Precision
Upgraded Rigidity

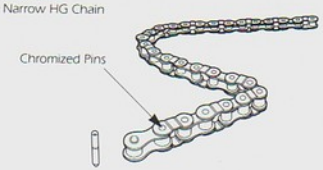


HG Chain

CN-7401

Compatibility Shimano Total Integration
Size 1/2" x 3/32"
Material & Finish Nickel (roller links, pin links)
Chromized Pins

Features
Narrow HG Chain

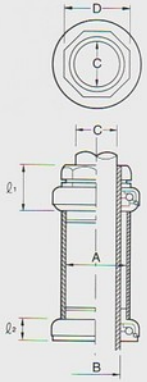


Head Set

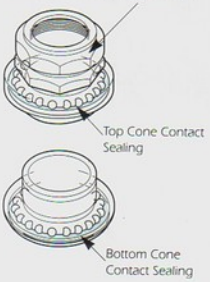
HP-M900
HP-M901
HP-M902

Weight 119g (HP-M900)
136g (HP-M901)
167g (HP-M902)
Type Off-Road
Material & FInish Aluminum (locknut/cups)
Variation & Dimensions

Type	HP-M900	HP-M901	HP-M902
Thread	BC1"x24T.P.I.	BC1-1/8"x26T.P.I.	BC1-1/4"x26T.P.I.
A	30.2/30.0mm	34.0mm	37.0mm
B	26.4/27.0mm	30.0mm	33.0mm
C	22.1mm	25.5mm	28.7mm
D	32.0mm	36.0mm	40.0mm
L1	22.8mm	22.8mm	27.3mm
L2	11.5mm	11.5mm	13.0mm



Features Lightweight Design

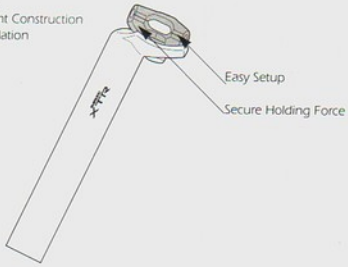


Seat Post

SP-M900

Weight 270g (330mm)
Pillar Diameter 26.6/26.8/27.0/27.2mm
Lengths 280/330/360mm
(360mm length in 27.2mm diameter only)
Material Cr-Mo Tubing

Features
Lightweight Construction
Easy Installation

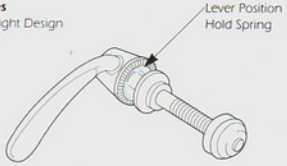


Seat Post Quick Release

SQ-M900

Weight 66g
Adjusting Range 36-43mm / 26-33mm
Shaft Dia 6mm / 8mm
Material Chrome Plated Steel

Features
Lightweight Design



The ultimate in off-road component systems.

XTR means off-road racing - the absolute state-of-the-art in high-performance components for the MTB. Two finger Rapidfire Plus shifting action with it's advanced ergonomic design reduces finger stress. Advanced SLR Servo-wave brakes deliver more controllable stopping power. New Dual SIS signals the start of a new era in fast easy chainwheel shifting. Shimano XTR - the ultimate in off-road component systems.

New! Dual SIS Shifting
Front and rear - it's all SIS.



Rapidfire Plus Lever Set (ST-M900) delivers indexed SIS chainwheel shifting with optional SG-X chain rings. Push the thumb shifter for crisp clean indexed down shifts. Pull the trigger lever for instant up-shifts. Dual SIS means total shifting precision.

SG-X Chainring.
SIS comes to the front!.



Indexed shifting at the front derailleur! FC-M900 crankset is available with optional SG-X chainring for fast, reliable SIS chainwheel shifting.



DUAL SIS

8 sprockets, 3 chainwheels - all SIS

8-speed SIS for the MTB now gives a wider gear selection with the simple ratchet-action shifting of Rapidfire plus. The Rapidfire Plus makes smooth and quick shifting on the thumb through a trigger-action finger lever for up-shifting.

SLR PLUS

Braking performance that just keeps getting better.

Servo-wave cam mechanism speeds up pad-rim contact and then increases the power multiplication factor for more braking power and control. Compact 2-finger lever provides a light responsive feeling.

HG

8-Speed HG Sprockets

Shimano XTR's 8-speed gear cassette features HG sprockets. HG sprockets make fast and smooth shifts, regardless of pedal torque or cadence, and have become known as the state-of-the-art shifting system for the off-road bike. Spider-type boss reduces freewheel weight.

THE SHIMANO FREEHUB

8-Speed Freehub

Rear hub and freewheel are combined to form a stronger unit in the famous Shimano freehub design, now featuring an 8-sprocket cassette for the wider gear selection needed in competition.

SHIMANO HYPERDRIVE

Faster, more positive chainwheel shifting.

HyperDrive chainwheels feature leading teeth configurations and pins that contribute to front SIS shifting precision. Sealed cartridge bottom bracket is more durable and maintenance free.

SHIMANO XTR

The ultimate in off-road component systems.

XTR means off-road racing—the absolute state-of-the-art in quality and performance for the MTB. Dual SIS and Rapidfire Plus set the new standard in total shifting performance. Low profile design enhances the MTB's appearance. Many advanced functions for the discriminating MTB rider.



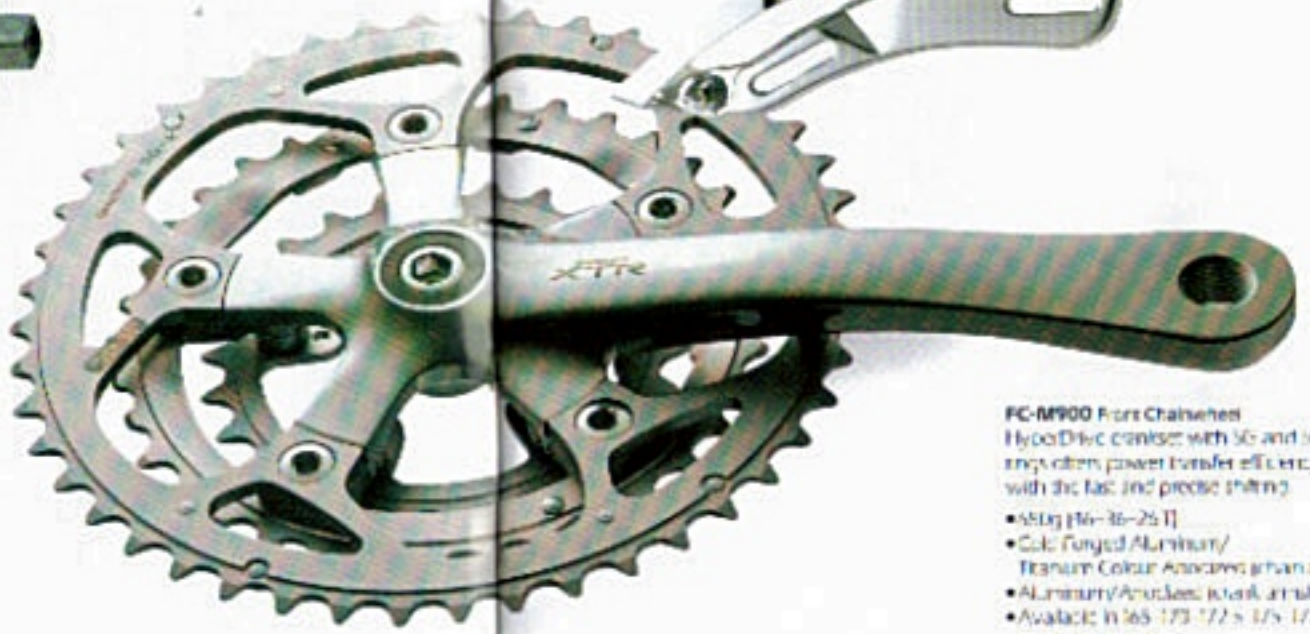
RD-M900 Rear Derailleur
Mid-length cage, full sealing treatment, lightweight, and 8 speed compatible for pro-level performance.

- 230g
- Aluminum/Anodized
- Ceramic bushing guide pulley
- Cartridge bearing tension pulley
- Low friction link pins
- Sealed mechanism



BB-UN91 Cartridge Bottom Bracket
Cartridge position bracket offers lighter weight, reduced maintenance, and quick installation and adjustment.

- 255g
- Available in 68, 70, and 73 mm widths





FD-M900/M901
Front Derailleurs
Upgraded quality, precision design, and lightweight ensure chainwheel shifting.

- 118g
- Aluminum/Anodized (F.S.S. hand, R.S.L. link)
- Steel/Chrome Plated (silver guide bolt)
- O-ring link pin sealing

FC-M900 Front Chainwheel
HyperDrive contact with 50- and 39-X-chain engagement power transfer efficiency, along with the fast and precise shifting.

- 455g (46-36-26 T)
- Cold Forged Aluminum/ Titanium Colour Anodized chainring
- Aluminum/Anodized crank arm
- Available in 165, 170, 172.5, 175, 177.5, 180 crank arm lengths

ST-M900 Rapidfire Plus Lever Set

9-speed SIS shifting with 4-gear single-stroke downshifts. Thumb shifter and trigger lever reduce finger stroke through a unique push-pull shifting action. High-power 2 finger MX brake lever with servo-wave action

- 415g (pair)
- Aluminum/Titanium Colour Paint (bracket)
- Forged Aluminum/Anodized (lever)
- Ergonomic contours
- Micro-adjust cable lever reach



SP-M900 Seat Post

Thin wall chrome molybdenum tubing provides maximum strength with minimum weight

- 270g (330 mm)
- Cr-Mo tubing
- One bolt seat binding system



BR-M900 Cantilever Brake

Computerized design and cold forged alloy construction provides maximum strength at minimum weight. Low-profile compact design enhances safety and appearance

- 340g (F & R set)
- Cold forged Aluminum/Titanium Colour Anodized
- Low profile long wearing brake pads







CS-M900-8 Cassette Sprockets

8-speed cassette sprockets mount on light alloy spider boss for improved rigidity and reduced weight

- 332g (9-gear & spacer)
- Steel/Champagne Gold (sprockets)
- Titanium Color Anodized Aluminum (spider arm)
- HyperGlide sprocket design

FH-M900 Freehub

XTR 8-speed freehub freeplus design delivers durable off-road performance

- 454g (w/QR)
- Aluminum/Titanium Colour Anodized (hub shell)
- Cr-Mo axle
- Stainless steel bearings

English (GB)

R.R.P. 50p
5.– KR

29.8.93
PLYMOUTH
GRUNDIG

'93 SHIMANO

BICYCLE SYSTEM COMPONENTS



SHIMANO