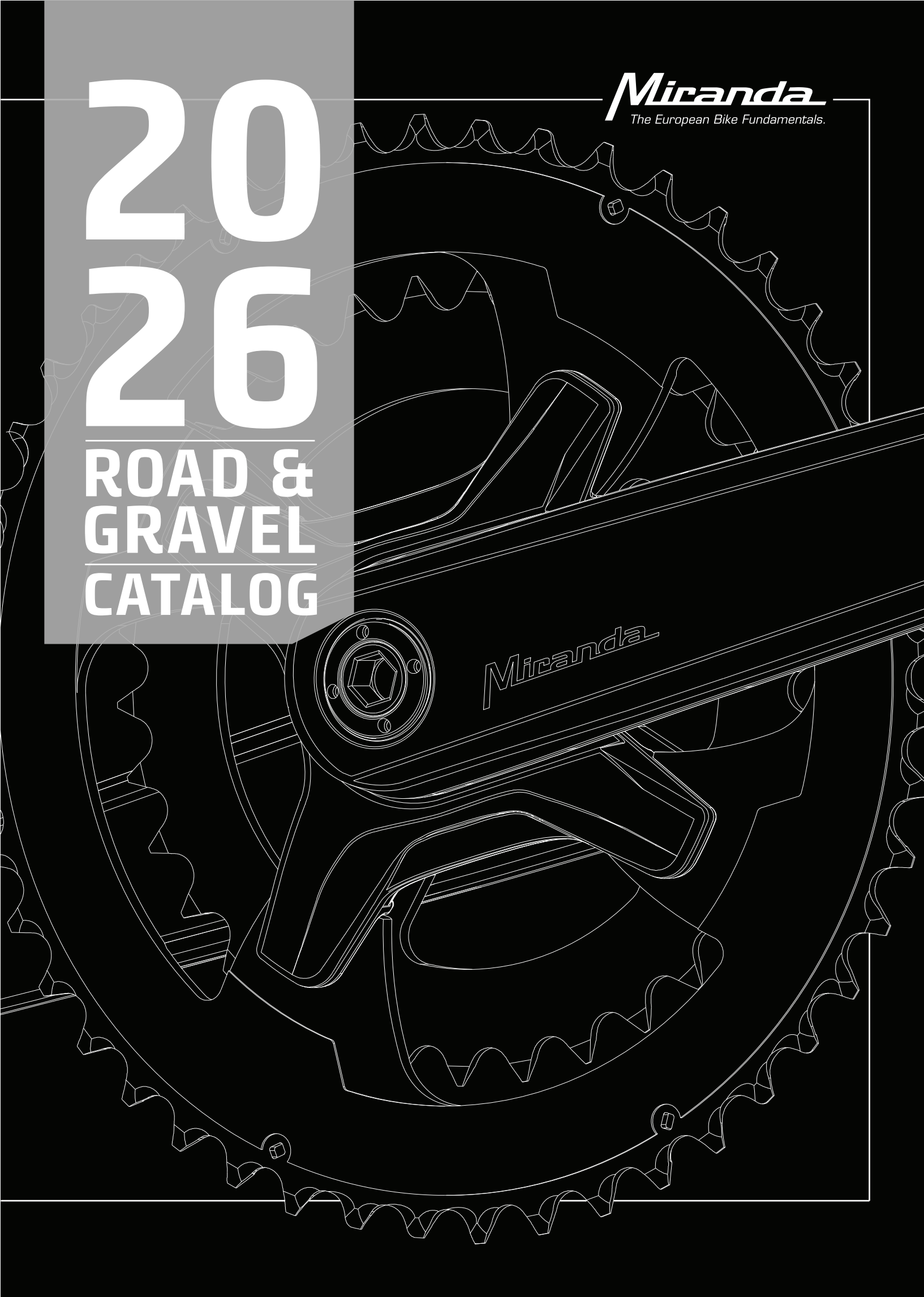


20 26

ROAD &
GRAVEL
CATALOG

Miranda
The European Bike Fundamentals.





Miranda & Irmão, established in 1950, has a rich legacy and extensive expertise, honed over the decades through a journey that began with complementary bicycle components in the 50s, the motorcycle industry in the early 70s and culminated in bicycle components again in the late 80s. Today, Miranda is a leading manufacturer of bicycle components, recognized for its unparalleled reliability, quality, and design excellence. The company's commitment to innovation and research and development has resulted in numerous awards and recognition as one of the largest companies investing in innovation and international IP, within Portugal.

As a cutting-edge, industry-leading company, Miranda leverages the latest in Industry 4.0 technology and innovative manufacturing techniques to continuously optimize its production processes and workflows. The company's world-class factory is one of the most advanced in the industry, boasting a footprint of over 30000 sqm and near 100% control over its production processes. This control allows Miranda to continuously experiment with new approaches and test new materials and techniques, resulting in unique, high-quality solutions. Additionally, the company's commitment to environmental preservation is demonstrated through its use of 100% renewable electricity and its focus on reducing waste and investing in energy-efficient machinery.

Miranda's strategic location, less than an hour from a major airport and sea port in Porto and within 3 hours of a plane ride to the center of Europe, further strengthens its competitive advantage. The company's technical know-how is supported by its own World Class Professional Teams, who test and refine its solutions through rigorous competition. In 2020, Miranda was the World Champion in the first ever global e-Bike competition, with its athletes consistently taking the podium in the following years.

Miranda



The company's commitment to excellence is reflected in its rapid response to customer needs and its ability to produce high-quality, value-added solutions that are tailored to meet their specific requirements. Miranda's lead times are market-leading, a result of its substantial investment in manufacturing capacities and its ability to rapidly understand and solve problems in a cost-effective manner.

As a bicycle components leader with established "green" manufacturing practices, Miranda is paving the way for the bicycle industry around the world. Our commitment to constantly improve and deliver exceptional products is unwavering and we are here to serve you.

miranda





Cranksets with
a single chainring



Cranksets with
dual chainrings



Cranksets with
three chainrings



Interchangeable
cranksets parts



Cranksets with
integrated axle



ISIS Interface
Standard



JIS square taper
Standard



BNI Interface for
Bosch Gen3



Dual side Screws
Shimano Interface



Dual side Screws
Shimano Interface
for EP Drive Units



Fazua RIDE 60
Interface



Dual side Screws
Bafang Interface for
M420, M500, M600
and M800



Titanium Crankset



Interchangeable
cranksets parts

CRANKSET



Bottom Bracket
BSA 68/73 with
24/22 Size



Bottom Bracket
BSA 68/73 with
24/24 Size



Bottom Bracket
Pressfit with
24/22 Size



Bottom Bracket
Pressfit with
24/24 Size

BOTTOM BRACKETS



Economical chainring option



Bi-dimensional
Anti-chaindrop control



Shifting without
Drops



Carbon Nanoscaled
Coating



Tri-dimensional
Anti-chaindrop control
9-10-11-12 speed



Tri-dimensional Anti-chaindrop
control specific for Shimano
Hyperglide+ and DLC 12 KMC



Tri-dimensional Anti-chaindrop
control specific for 13 speed
EKAR C13 Campagnolo

CHAINRINGS TECHNOLOGY



Easy and fast
Installation



Durable and resistant
Carbon reinforced

SEAT POST

CABLE CLAMPS



ROAD & GRAVEL Index

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ROAD SOLUTIONS

Our road bike components seamlessly blend innovation, precision, and performance. Recognizing the unique demands of road cycling – the pursuit of speed, the necessity for lightness, and the requirement for reliability – we've curated a collection of components that are designed to elevate every ride.

Each part in our road bike range is meticulously designed to enhance the riding experience, ensuring smooth functionality even under extreme conditions such as racing. Our focus lies in creating lightweight, high-performance components that enable cyclists to conquer the tarmac with confidence, grace, and speed.

With Miranda's road bike components, we're not just offering parts; we're contributing to cycling experiences that inspire, challenge, and endure.



At Miranda, we understand the unpredictable nature of off-road trails and the need for bikes that can withstand the challenges of diverse terrains.

Our gravel bike components are built with robustness and adaptability at their core. Designed to handle everything from gravel paths to muddy trails, our parts provide comfort, durability, and control for every adventurous ride. Our components are the perfect blend of functionality and rugged charm, tailored to create bikes that thrive in the wild.

Envision how our components can enhance your gravel bike designs, offering your customers an enjoyable, reliable ride across all terrains. Every turn is an invitation to explore and every ride is an adventure waiting to unfold.

GRAVEL SOLUTIONS

CRANK

MODELS

The Ultimate Properties of our Cold-Forged Aluminium Bike Cranks: An Engineering Marvel

Our bike cranks have been designed with a single purpose in mind: to eliminate any and all weak points in their structure. The use of proprietary cold-forging techniques, along with a carefully crafted composition of materials, has allowed us to create cranks that are not only lightweight, but also incredibly resistant to fatigue and high-impact stress. Also, are environmentally friendly, since we use recycled aluminium and 100% green electricity to produce them.

Moreover, the use of advanced computational simulations and extensive real-world testing has allowed us to fine-tune the design of the cranks to ensure that they perform at the highest level possible. The result is a product that is not only lightweight, but also incredibly durable and reliable, making it an ideal choice for bike enthusiasts who demand the best performance from their equipment.

The cold-forging process involves subjecting the aluminium to intense pressure and temperature, which not only strengthens the material, but also refines its microstructure to create a more homogeneous and consistent structure. Our process has several advantages, since we do it uniquely and in a fully automatic way, keeping the properties of material always stable, ensuring the highest quality standards. Our process, made entirely in Portugal, allows our cranks to be more resistant to fatigue and high-impact stress.

If you're looking for cranks that are strong, reliable and built to last, look no further than our bike cranks.

Delta
REF. 003



Material
Aluminium

Length (mm)
150 . 152 . 155 . 160
165 . 170 . 172,5 . 175

Weight (g)*
245

Finishes**
Standard
Polished
Diamant
Double Diamant
Pearl
Plus
Inline
Inline Plus
Graphic
HD

CRANK Q-FACTORS	A	B	C	D
Q:0	0 mm	27,1 mm	10,5 mm	14,1 mm
Q:4	4 mm	27,1 mm	10,5 mm	18,1 mm
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:8-FB	8,1 mm	30,1 mm	13,5 mm	25,2 mm
Q:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm
55Q:16	16,1 mm	32,6 mm	16 mm	35,7 mm
Q:16-UC	16,1 mm	38,9 mm	22,3 mm	42 mm
Q:19	19,1 mm	27,1 mm	10,5 mm	33,2 mm
Q:21-FB	21,1 mm	30,1 mm	13,5 mm	38,2 mm
55Q:21	21,1 mm	32,6 mm	16 mm	40,7 mm
Q:29,5-UC	29,5 mm	38,9 mm	22,3 mm	55,5 mm
55Q:29,5	29,6 mm	32,6 mm	16 mm	49,2 mm
Q:35	35,1 mm	27,1 mm	10,5 mm	49,2 mm
55Q:35	35,1 mm	32,6 mm	16 mm	54,7 mm
Q:38	38,1 mm	27,1 mm	10,5 mm	52,2 mm

*crank (ISIS 170/Q:16) without bolt
**samples of the finishes on page 39

Classic
REF. 004



Material
Aluminium

Length (mm)
152,5 . 160 . 170
172,5 . 175

Weight (g)*
195

Finishes**
Standard
Polished
Diamant
Pearl
Plus

CRANK Q-FACTORS	A	B	C	D
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm
Q:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm

*crank (ISIS 170/Q:12) without bolt
**Samples of the finishes on page 39

Strada

REF. 010



Material
Aluminium

Length (mm)
160 . 165 . 170

Weight (g)*
252

Finishes**
Standard

CRANK Q-FACTORS	A	B	C	D
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm

*crank (ISIS 170/Q:8) without bolt

**samples of the finishes on page 39

Mithos

REF. 019



Material
Aluminium

Length (mm)
150 . 155
165 . 170

Weight (g)*
179

Finishes**
Standard

CRANK Q-FACTORS	A	B	C	D
Q:2	2,1 mm	27,1 mm	10,5 mm	16,2 mm
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm

*crank (ISIS 170/Q:2) without bolt

**samples of the finishes on page 39

Virage

REF. 020



Material
Aluminium

Length (mm)
165 . 170
172,5 . 175

Weight (g)*
200

Finishes**
Standard

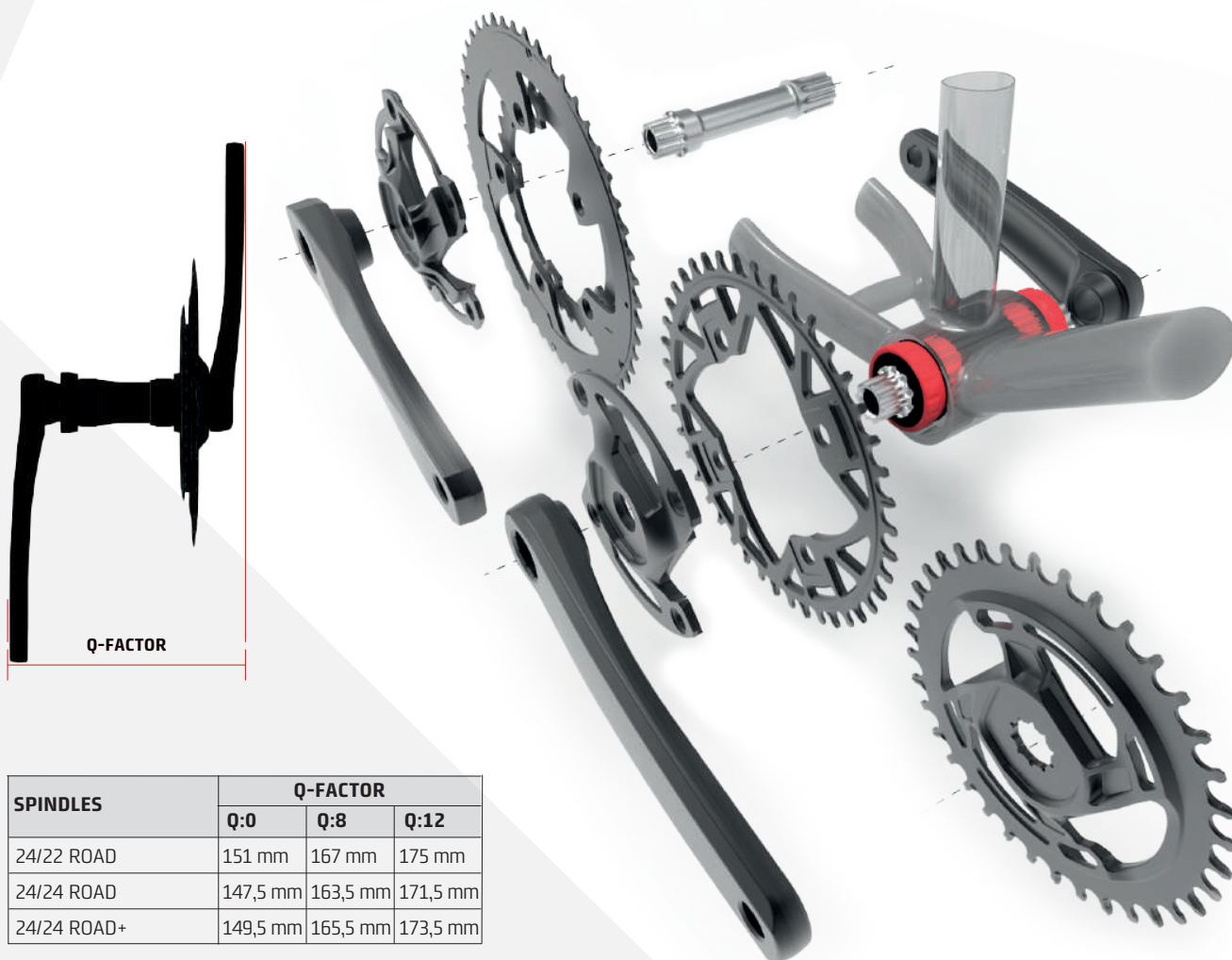
CRANK Q-FACTORS	A	B	C	D
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm

*crank (ISIS 170/Q:12) without bolt

**samples of the finishes on page 39

Miranda XMOD ROAD





SPINDLES	Q-FACTOR		
	Q:0	Q:8	Q:12
24/22 ROAD	151 mm	167 mm	175 mm
24/24 ROAD	147,5 mm	163,5 mm	171,5 mm
24/24 ROAD+	149,5 mm	165,5 mm	173,5 mm

Crankset XMOD Zeta Double 12 Speed



SPECIFICATIONS REF. 713

Material
Aluminium

Teeth
39/52T and 41/54T

Chainline (mm)*
Standard - 45

Weight (g)
840

Finishes
Standard

Other cranks from page 7 to 10
Any sizes, finishes and Q-factors by request
*other chainlines available by request



Crankset XMOD Strada Double 12 Speed


Micanda
XMOD
SPECIFICATIONS

REF. 714

Material
 Aluminium

Teeth
 39/52T

Chainline (mm)*
 Standard - 45

Weight (g)
 873

Finishes
 Standard

Other cranks from page 7 to 10
 Any sizes, finishes and Q-factors by request
 *other chainlines available by request


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Micanda
Micanda



SPIDERS



Spider Double 110/74



SPECIFICATIONS
REF. 160

BCD
110/74

Material
Aluminium

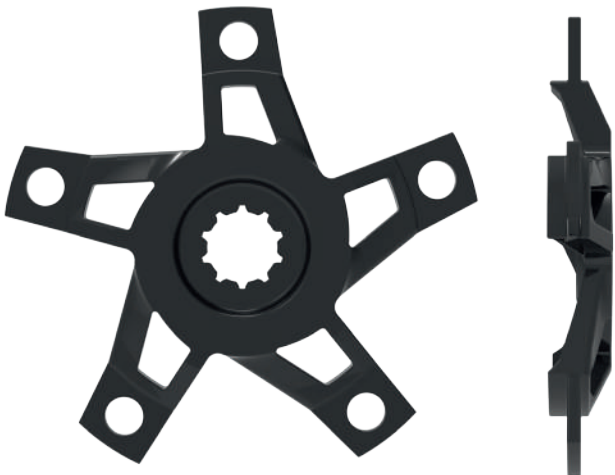
Weight (g)
105

Finishes*
Standard

SPINDLES	FRAME SHEEL	SPACER** DRIVER SIDE	SPACER** LEFT SIDE	CL Single* (inside)	CL Single* (outside)	CL Double	BOTTOM BRACKET
24/22 ROAD	68 mm	-----	-----	51 mm	58 mm	47 mm	Miranda GXP
24/24 ROAD+	68 mm	-----	-----	49,5 mm	56,0 mm	45,5 mm	Miranda 24/24 ROAD
24/24 ROAD+	68 mm	1	-----	50,5 mm	57 mm	46,5 mm	Miranda 24/24 MTB
24/24 ROAD+	68 mm	-----	1	48 mm	54,5 mm	44 mm	Miranda 24/24 MTB
24/24 ROAD	68 mm	-----	-----	48 mm	54,5 mm	44 mm	Miranda 24/24 ROAD

In order to choose your spindle check page 18
*chainlines measured with chainwheel CF3D / other chainlines available by request
**2,5mm spacer

Spider ROAD 110



SPECIFICATIONS
REF. 161

BCD
110

Material
Aluminium

Weight (g)
95

Finishes*
Standard

Chainlines available by request
* other colors and finishes available by request

Spider ROAD 130



SPECIFICATIONS

REF. 162

BCD
130

Material
Aluminium

Weight (g)
133

Finishes*
Standard

Chainlines available by request

* other colors and finishes available by request

DIRECT MOUNTS



Double Chainring Direct Mount



SPECIFICATIONS

REF. 223

Material
Aluminium

Size
38/52T

Weight (g)
250

Finishes*
Standard

Chainlines available by request

* other colors and finishes available by request



SPINDLES

24/22 ROAD 68mm



REF. 516
Material
Titanium

Length (mm)
128,5
Weight (g)
95

ROAD

24/22 ROAD 68mm ECO



REF. 517
Material
Steel

Length (mm)
128,5
Weight (g)
167

ROAD

24/24 ROAD+ NEW



REF. 519
Material
Titanium

Length (mm)
125,5
Weight (g)
107

ROAD+

24/24 ROAD+ ECO NEW



REF. 520
Material
Steel

Length (mm)
125,5
Weight (g)
189

ROAD+

24/24 ROAD ECO NEW



REF. 518
Material
Steel

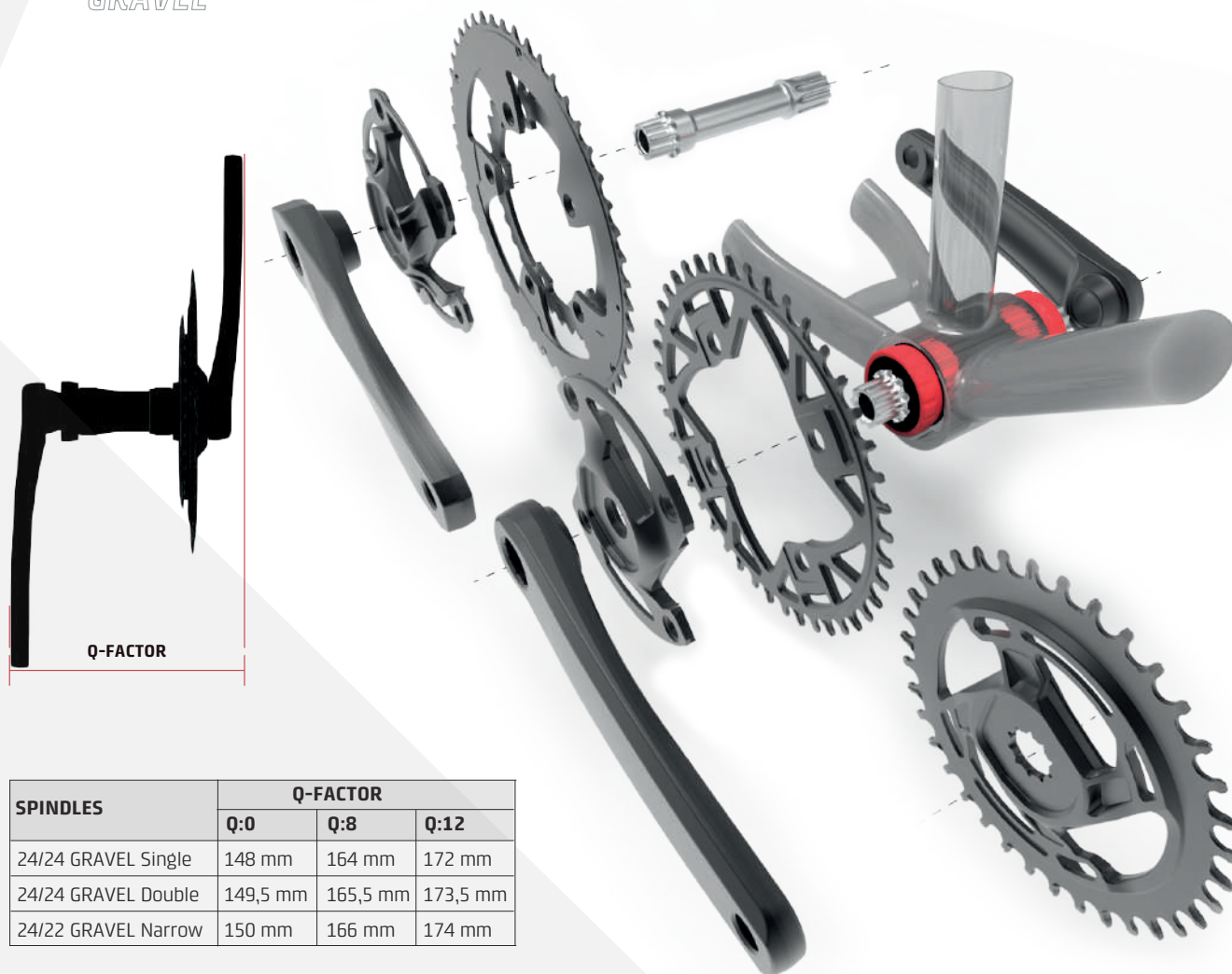
Length (mm)
124
Weight (g)
189

ROAD

Miranda
XMOD
GRAVEL



Miranda
XMOD
GRAVEL



SPINDLES	Q-FACTOR		
	Q:0	Q:8	Q:12
24/24 GRAVEL Single	148 mm	164 mm	172 mm
24/24 GRAVEL Double	149,5 mm	165,5 mm	173,5 mm
24/22 GRAVEL Narrow	150 mm	166 mm	174 mm

Crankset XMOD Delta Single

In order to choose tooth type please check chain compatibility in page 40
Other cranks from page 7 to 10
Any sizes, finishes and Q-factors by request
*other chainlines available by request
**with 38T Chainring



SPECIFICATIONS REF. 715

Material
Aluminium

Teeth
32 to 52T and 56T

Chainline (mm)*
Standard - 51
(BB24/22)
Standard - 49,5
(BB24/24)

BCD (mm)
104

Weight (g)**
944

Finishes
Standard



Crankset XMOD Delta Spiderless CF3D

NEW




SPECIFICATIONS

REF. 716

Material

Aluminium

Teeth

38T to 44T

Chainline (mm)*

Standard - 46

(BB24/22)

Standard - 47

(BB24/24)

Weight (g)**

740

Finishes

Standard

In order to choose tooth type please check chain compatibility in page 40

Other cranks from page 7 to 10

Any sizes, finishes and Q-factors by request

*other chainlines available by request

** with 40T Direct Mount

Crankset XMOD Psi Double




SPECIFICATIONS

REF. 717

Material

Aluminium

Teeth

30/46T . 32/48T

34/48T . 34/50T

Chainline (mm)*

Standard - 47

(BB24/22)

Standard - 45

(BB24/24)

BCD (mm)

110/74

Weight (g)**

850

Finishes

Standard

Other cranks from page 7 to 10

Any sizes, finishes and Q-factors by request

*other chainlines available by request

**with 34/50T Chainrings



Crankset XMOD Delta Double



SPECIFICATIONS

REF. 718

Material

Aluminium

Teeth

30/46T . 32/48T
34/48T

Chainline (mm)*

Standard - 47
(BB24/22)
Standard - 45
(BB24/24)

BCD (mm)

104/64

Weight (g)**

909

Finishes

Standard
With laser

Other cranks from page 7 to 10
Any sizes, finishes and Q-factors by request
*other chainlines available by request
**with 34/48T Chainrings



XMOD

DIRECT MOUNTS

Spiderless XMOD CF3D GR

NEW



SPECIFICATIONS

REF. 224

Material

Aluminium

Size

38 to 44T

Weight (g)**

146

Finishes*

Standard

In order to choose tooth type please check chain compatibility in page 40
Chainlines available by request
* other colors and finishes available by request
*** with 40T Direct mount

SPIDERS

Spider Double 110/74



SPECIFICATIONS
REF. 160

BCD
110/74

Material
Aluminium

Weight (g)
105

Finishes*
Standard

SPINDLES	FRAME SHEEL	SPACER** DRIVER SIDE	SPACER** LEFT SIDE	CL Single* (inside)	CL Single* (outside)	CL Double	BOTTOM BRACKET
24/24 GRAVEL Single	68 mm	-----	-----	49,5 mm	56 mm	45,5 mm	Miranda 24/24 ROAD
24/24 GRAVEL Single	68 mm	1	-----	50,5 mm	57 mm	46,5 mm	Miranda 24/24 MTB
24/24 GRAVEL Single	68 mm	-----	1	48 mm	54,5 mm	44 mm	Miranda 24/24 MTB
24/24 GRAVEL Double	68 mm	-----	-----	51 mm	57,5 mm	47 mm	Miranda 24/24 ROAD
24/24 GRAVEL Double	68 mm	1	-----	52 mm	58,5 mm	48 mm	Miranda 24/24 MTB
24/24 GRAVEL Double	68 mm	-----	1	49,5 mm	56 mm	45,5 mm	Miranda 24/24 MTB

In order to choose your spindle check page 26
*chainlines measured with chainwheel CF3D / other chainlines available by request
**2,5mm spacer

www.mirandabikeparts.com



Spider GR 104/64



SPECIFICATIONS

REF. 163

BCD

104/64

Material

Aluminium

Weight (g)

122

Finishes*

Standard

SPINDLES	FRAME SHEEL	SPACER** DRIVER SIDE	SPACER** LEFT SIDE	CL Single* (inside)	CL Single* (outside)	CL Double	BOTTOM BRACKET
24/24 GRAVEL Single	68 mm	-----	-----	49,5 mm	56 mm	45,5 mm	Miranda 24/24 ROAD
24/24 GRAVEL Single	68 mm	1	-----	50,5 mm	57 mm	46,5 mm	Miranda 24/24 MTB
24/24 GRAVEL Single	68 mm	-----	1	48 mm	54,5 mm	44 mm	Miranda 24/24 MTB
24/24 GRAVEL Double	68 mm	-----	-----	51 mm	57,5 mm	47 mm	Miranda 24/24 ROAD
24/24 GRAVEL Double	68 mm	1	-----	52 mm	58,5 mm	48 mm	Miranda 24/24 MTB
24/24 GRAVEL Double	68 mm	-----	1	49,5 mm	56 mm	45,5 mm	Miranda 24/24 MTB

In order to choose your spindle check page 26

*chainlines measured with chainwheel CF3D / other chainlines available by request

**2,5mm spacer





SPINDLES

24/24 GRAVEL Single



REF. 502
Material
Titanium

Length (mm)
125,5
Weight (g)
109

GR SINGLE

24/24 GRAVEL Single ECO

NEW



REF. 503
Material
Steel

Length (mm)
125,5
Weight (g)
189

GR SINGLE

24/24 GRAVEL Double



REF. 500
Material
Titanium

Length (mm)
127
Weight (g)
110

GR DOUBLE

24/24 GRAVEL Double ECO



REF. 501
Material
Steel

Length (mm)
127
Weight (g)
194

GR DOUBLE

22/24 GRAVEL Narrow

NEW



REF. 504
Material
Titanium

Length (mm)
126
Weight (g)
102

GR NARROW

22/24 GRAVEL Narrow ECO

NEW

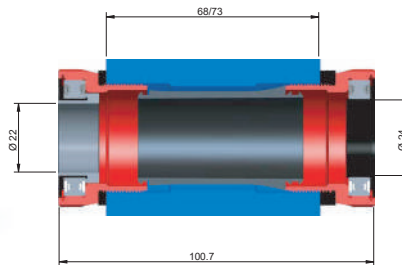


REF. 505
Material
Steel

Length (mm)
126
Weight (g)
179

GR NARROW

Miranda - GXP® compatible



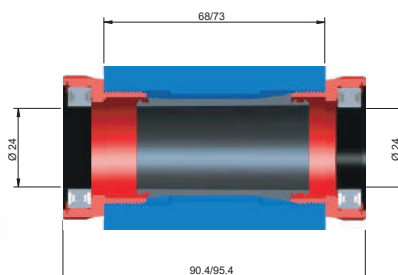
Material
Aluminium

Technical drawing of a cylindrical component. The drawing shows a side view with a central bore. The outer diameter is 200mm, the length is 98mm, and the height is 84mm. The central bore has a diameter of 22mm. The component features a central black section and two red mounting flanges on either side. The drawing is labeled with dimensions: 84/92 (height), 98 (length), and Ø 22 (bore diameter).

Material
Aluminium

Material
Aluminium

Miranda 24/24 Road - compatible



SPECIFICATIONS

REF. 603

Frame type

BSA 68/73

Weight (g)

107

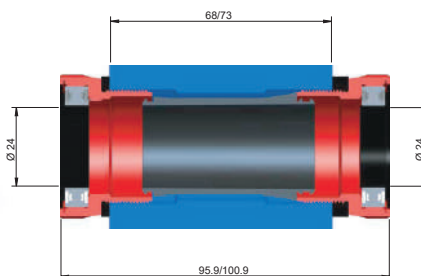
Size

24/24

Material

Aluminium

Miranda 24/24 MTB - compatible



SPECIFICATIONS

REF. 604

Frame type

FSA 68/73

Weight (g)

112

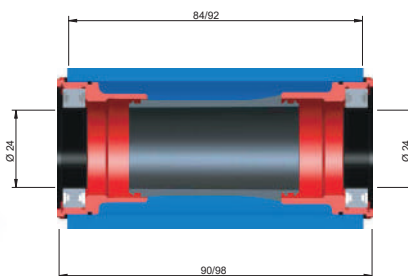
Size

24/24

Material

Aluminium

Miranda Pressfit 24/24



SPECIFICATIONS

REF. 605

Frame type

Press Fit

Weight (g)

99

Size

24/24

Material

Aluminium

Delta 1R Zeta 104 Chainflow

Other cranks from page 7 to 10
Any sizes, finishes and Q-factors by request
* with 52T Chainring



SPECIFICATIONS

REF. 719

Chainring Material

Aluminium
Steel

Length (mm)

150 . 152 . 155 . 160
165 . 170 . 172,5 . 175

BCD (mm)

104

Weight (g)*

951

Teeth

32T to 44T and
48T to 52T



CRANKSET 1X

www.mirandabikeparts.com

Miranda

Zeta 1R 5BR 110 CF3D

In order to choose tooth type please check chain compatibility in page 40

Other cranks from page 7 to 10

Any sizes, finishes and Q-factors by request

*with 50T Chainring



SPECIFICATIONS

REF. 720

Chainring Material
Aluminium

Length (mm)
170

BCD (mm)
110

Weight (g)*
775

Teeth
34T to 50T





CHAINRINGS

Chainflow 3D BCD110



SPECIFICATIONS REF. 300

Material
Aluminium

Teeth*
34T to 50T

Weight (g)
45 to 150

Finishes
Anodized

* other sizes available by request
In order to choose tooth type please check chain compatibility in page 40

Chainflow 3D BCD104



* other sizes available by request

** with 32T Chainring

In order to choose tooth type please check chain compatibility in page 40

SPECIFICATIONS

REF. 301

Material

Aluminium
Steel

Teeth*

32T to 52T and 56T

Weight (g)**

47

Finishes

Standard

Chainflow BCD104



* other sizes available by request

** with 40T Chainring

In order to choose tooth type please check chain compatibility in page 40

SPECIFICATIONS

REF. 302

Material

Aluminium
Steel

Teeth*

32T to 44T and
48T to 52T

Weight (g)**

66

Finishes

Standard

Standard Chainring



* other sizes available by request

In order to choose tooth type please check chain compatibility in page 40

SPECIFICATIONS

REF. 303

Material

Aluminium
Steel

Teeth*

32T to 52T and 56T

Weight (g)

40 to 277

Finishes

Standard

Double Chainring BCD130



* other sizes available by request

** with 39/53T Chainring



SPECIFICATIONS

REF. 305

Material
Aluminium

BCD (mm)
130

Teeth*
38/53T . 38/54T
39/52T . 39/53T
41/54T . 44/54T
44/55T . 44/56T
46/55T . 46/56T

Weight (g)**
183

Finishes
Standard

Double Chainring BCD110/74



* other sizes available by request

** with 32/48T Chainrings



SPECIFICATIONS

REF. 307

Material
Aluminium

BCD (mm)
110/74

Teeth*
30/46T . 32/48T
34/48T . 34/50T

Weight (g)**
183

Finishes
Standard

Double Chainring BCD110



* other sizes available by request

SPECIFICATIONS

REF. 304

Material
Aluminium

BCD (mm)
110

Teeth*
34/50T

Weight (g)
180

Finishes
Standard
With laser

Double Chainring BCD104/64



* other sizes available by request
**with 32/48T Chainrings

SPECIFICATIONS

REF. 306

Material
Aluminium

BCD (mm)
110/64

Teeth*
30/46T . 32/48T
34/48T

Weight (g)**
166

Finishes
Standard
With laser

CHAINGUARDS

CF3D
REF. 400

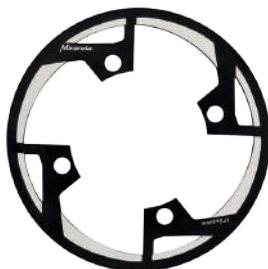


Material
Aluminium

BCD
104

Finishes
Standard

TS GRAPHIC
REF. 402



Material
Aluminium

BCD
104

Finishes
Standard

NW GRAPHIC
REF. 406



Material
Aluminium

BCD
104

Finishes
Standard



At Miranda, we believe in the power of individuality and we understand that every bike manufacturer has unique needs and specifications. This is why we take pride in offering custom chainguard designs, enabling you to tailor our products to your exact requirements. Our custom-designed chainguards allow you to add a personal touch to each bike you create, ensuring a unique finish that sets your brand apart.

Crafted with high-quality materials, our chainguards promise durability and longevity, standing up to even the most rigorous riding conditions. Our commitment to precision and quality is unwavering, ensuring that every Miranda chainguard you choose is a testament to our dedication to excellence.

Whether you're catering to the needs of the urban commuter or the off-road explorer, there's a Miranda chainguard tailored to fit. Custom designs can also be developed by request, to give that distinct and unique look to the bicycle.

TJ 2
REF. 410



Material
Aluminium or
Reinforced Nylon

BCD
104

Finishes
Standard

TJ
REF. 403



Material
Aluminium or
Reinforced Nylon

BCD
104

Finishes
Standard

ST CNC
REF. 404



Material
Aluminium

BCD
104

Finishes
Standard

CF3D BCD110
REF. 401



Material
Aluminium

BCD
110

Finishes
Standard

TB GRAPHIC
REF. 405



Material
Aluminium

BCD
104

Finishes
Standard

WR GRAPHIC
REF. 407



Material
Aluminium

BCD
104

Finishes
Standard

SL
REF. 408



Material
Aluminium or
Reinforced Nylon

BCD
104

Finishes
Standard

DOUBLE
REF. 409



Material
Aluminium

BCD
104

Finishes
Standard

SCREWS

M14 Self extracting bolts

REF. 808

Micanda
X100

Material
Steel

Coating
Zinc-nickel



Chainring screw and nuts

REF. 810

M8x0,75
for **chainring set**
or **chainring+chainguard set**

Material
Stainless Steel



M15

REF. 804

**Material**
Steel**Coating**
Zinc-nickel

*steel spindle

M15 Self extracting bolts

REF. 809

**Material**
Steel**Coating**
Zinc-nickel

*steel spindle

M12

REF. 802

**Material**
Steel**Coating**
Zinc-nickel

*aluminium spindle

M12 Self extracting bolts

REF. 807

**Material**
Steel**Coating**
Zinc-nickel

*aluminium spindle

M8

REF. 800

**Material**
Steel**Coating**
Zinc-nickel**M8 Self extracting bolts**

REF. 805

**Material**
Steel**Coating**
Zinc-nickel

FINISHES

STANDARD (PAINTING)*



PEARL



PLUS



*COLORS AVAILABLE

Other colors or personalized finishes by request

Black Smooth surface	Anodized Smooth surface	Ocean blue Smooth surface	Red Smooth surface
Black textured Textured surface	Chrome painting Smooth surface	Sky blue Smooth surface	Coral red Smooth surface
Black granited Rough surface	Gray Smooth surface	Green Smooth surface	Metallic orange Smooth surface
White Textured surface	Champagne Rough surface	Pure green Smooth surface	Magenta Smooth surface



BELT LINE GUIDE

CODE	MANUFACTURER	DESCRIPTION	MODEL NUMBER	BELT LINE
EN-455	Enviolo	TR, SP, CA	132/142	45,5 mm
EN-487		SP	148 Boost	48,5 mm
SH-417	Shimano	Inter-5E	Di2	41,7 mm
SH-455			Mechanical	45,5 mm
SH-417		Nexus 8	Di2	41,7 mm
SH-455			Mechanical	45,5 mm
RO-547	Rohloff	500/14	132/142	54,7 mm



CHAIN COMPATIBILITY

Tooth type					
Tooth name	STANDARD CHAINRINGS	CHAIN FLOW	CHAIN FLOW 3D	CHAIN FLOW 3D SE12	CHAIN FLOW 3D CE13
Recommended chain	All 7, 8, 9, and 10 speed chains	All 9, 10 and 11 speed chains	9, 10, 11 speed chains, Sram Eagle 12 speed KMC MTB	Designed for 12 speed Shimano and Hyperglide+, Sram 12 speed Road and EAGLE T-type, 12 speed DLC 12 KMC	Designed for 13 speed EKAR C13 Campagnolo
Not recommended	11, 12 and 13 speed chain	12 and 13 speed chains	12 speed Shimano Hyperglide+, 12 speed DLC 12 KMC and 13 speed chains	13 speed chains	-----

2026

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