

# 2026

## MTB 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.





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.

**anda**





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



with CHAINFLOW Technology

Titanium Crankset



Interchangeable cranksets parts



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

## CRANKSET

## 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



# Index

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Whether you're an avid trail enthusiast or a professional rider, our comprehensive range of MTB bike parts is designed to enhance your off-road experience and take your performance to new heights.

Located in Águeda, Portugal, our state-of-the-art production facilities are dedicated to crafting high-quality components that meet the demands of rugged terrains. We understand the challenges faced by mountain bikers, and that's why we go the extra mile to deliver products that excel in durability, precision, and performance.

As a responsible company, we are committed to sustainability. We actively strive to reduce our environmental impact and promote eco-friendly practices. That's why we incorporate recycled materials into our manufacturing process, that uses 100% green electricity, ensuring that our products not only perform exceptionally but also contribute to a greener future for mountain biking.

At Miranda, we believe in pushing boundaries and embracing innovation. Our team of engineers and designers are passionate about creating cutting-edge solutions that meet the evolving needs of the mountain biking community. From lightweight and robust cranksets to reliable chainrings and chainguards, our MTB bike parts are built to withstand the most demanding trails and offer optimal riding conditions.

With Miranda MTB bike parts, customization is key. While our catalogue provides you with a range of components featuring standard specifications, we also offer the option for proprietary designs. This allows bike manufacturers and enthusiasts to personalize their rides, tailoring the components to their unique preferences and requirements.

Whether you're tackling technical descents, conquering challenging climbs, or exploring new trails, Miranda Bike Parts is here to provide you with the highest quality MTB bike components.

# MTB 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.



# CARBON CRANKS



## SPECIFICATIONS

REF. 001

### Interface



### Length (mm)

150 . 155 . 160 . 165 . 170

### Weight (g)

141

### Finishes

Standard



CRANK Q-FACTORS	A	B	C	D
Q:8	8,5 mm	28,6 mm	10,5 mm	22,2 mm
Q:8-FB	8,5 mm	32,2 mm	13,5 mm	25,2 mm
55Q:8	8,5 mm	34 mm	16 mm	27,7 mm

\*crank (ISIS 165/Q:8) without bolt

### Lightweight Design Excellence

Our engineering team has expertly aligned the carbon fibers to optimize the properties, resulting in a carbon fiber e-crank that sets the standard in both design and weight. Experience the pinnacle of engineering and enjoy the benefits of our ultra-light e-crank, designed and manufactured in Portugal.

### Superior Strength and Durability

Our carbon fiber e-bike cranks have been engineered to deliver ultimate performance. Featuring a crash-resistant carbon fiber composite and expertly designed material composition, our cranks provide an unmatched strength-to-weight ratio. Choose the best and upgrade your e-bike with our top-of-the-line carbon fiber cranks.

**Delta**

REF. 003

MGreen

**X**<sup>Micanda</sup>**MOD****HOLLOW**  
TUBE**ISIS****TJS****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

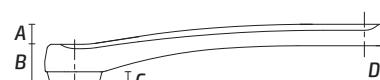
CRANK Q-FACTORS	A	B	C	D
Q:0	0 mm	27,1 mm	10,5 mm	14,1 mm
Q:4	4 mm	27,1 mm	10,5 mm	18,1 mm
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:8FB	8,1 mm	30,1 mm	13,5 mm	25,2 mm
Q:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm
55Q:16	16,1 mm	32,6 mm	16 mm	35,7 mm
Q:16-UC	16,1 mm	38,9 mm	22,3 mm	42 mm
Q:19	19,1 mm	27,1 mm	10,5 mm	33,2 mm
Q:21FB	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	29,6 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 37

**Epsilon**

REF. 005

**X**<sup>Micanda</sup>**MOD****HOLLOW**  
TUBE**ISIS****TJS****Material**

Aluminium

**Length (mm)**

165 . 170 . 175

**Weight (g)\***

201

**Finishes\*\***

Standard

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
55Q:8	8 mm	32,7 mm	12,5 mm	27,7 mm
Q:16	16 mm	27,2 mm	10,5 mm	30,2 mm
55Q:21	21,1 mm	32,6 mm	16 mm	40,7 mm
Q:35	35,1 mm	27,1 mm	10,5 mm	49,2 mm

\*crank (ISIS 165/Q:8) without bolt

\*\*samples of the finishes on page 37

**Kappa**

REF.006

**Material**

Aluminium

**Length (mm)**150 . 155 . 160  
170 . 175**Weight (g)\***

227

**Finishes\*\***

Standard

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:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm
Q:21	21,1 mm	27,1 mm	10,5 mm	35,2 mm
Q:35	35,1 mm	27,1 mm	10,5 mm	49,2 mm

\*crank (ISIS 170/Q:0) without bolt

\*\*samples of the finishes on page 37

**Sigma**

REF. 008

**Material**

Aluminium

**Length (mm)**

160 . 165 . 170

**Weight (g)\***

250

**Finishes\*\***

Standard

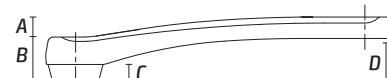
CRANK Q-FACTORS	A	B	C	D
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm
Q:16	16,1 mm	27,1 mm	10,5 mm	30,2 mm

\*crank (ISIS 170/Q:16) without bolt

\*\*samples of the finishes on page 37

**Kies**

REF. 009

**Material**

Aluminium

**Length (mm)**

160 . 165 . 170

**Weight (g)\***

240

**Finishes\*\***

Standard

CRANK Q-FACTORS	A	B	C	D
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:16) without bolt

\*\*samples of the finishes on page 37

**Omega**

REF. 007

**Material**

Aluminium

**Length (mm)**

150 . 152 . 155

160 . 165 . 170

**Weight (g)\***

222

**Finishes\*\***

Standard

Polished

Diamant

Double Diamant

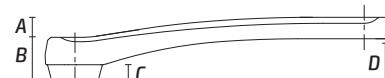
CRANK Q-FACTORS	A	B	C	D
Q:0	0 mm	27,1 mm	10,5 mm	14,1 mm
Q:4	4 mm	27,1 mm	10,5 mm	18,1 mm
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:16	16 mm	27,2 mm	10,5 mm	30,2 mm

\*crank (ISIS 160/Q:16) without bolt

\*\*samples of the finishes on page 37

**Tethys**

REF. 013

**Material**

Aluminium

**Length (mm)**

150 . 152 . 155

160 . 165 . 170

**Weight (g)\***

240

**Finishes\*\***

Standard

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:16	16 mm	27,2 mm	10,5 mm	30,2 mm

\*crank (ISIS 170/Q:16) without bolt

\*\*samples of the finishes on page 37

## Mithos

REF. 019


**Material**

Aluminium

**Length (mm)**

150 . 155

165 . 170

**Weight (g)\***

179

**Finishes\*\***

Standard

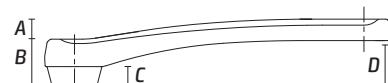
CRANK Q-FACTORS	A	B	C	D
Q:2	2,1 mm	27,1 mm	10,5 mm	16,2 mm
Q:8	8,1 mm	27,1 mm	10,5 mm	22,2 mm
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm

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

\*\*samples of the finishes on page 37

## Virage

REF. 020


**Material**

Aluminium

**Length (mm)**

165 . 170

172,5 . 175

**Weight (g)\***

200

**Finishes\*\***

Standard

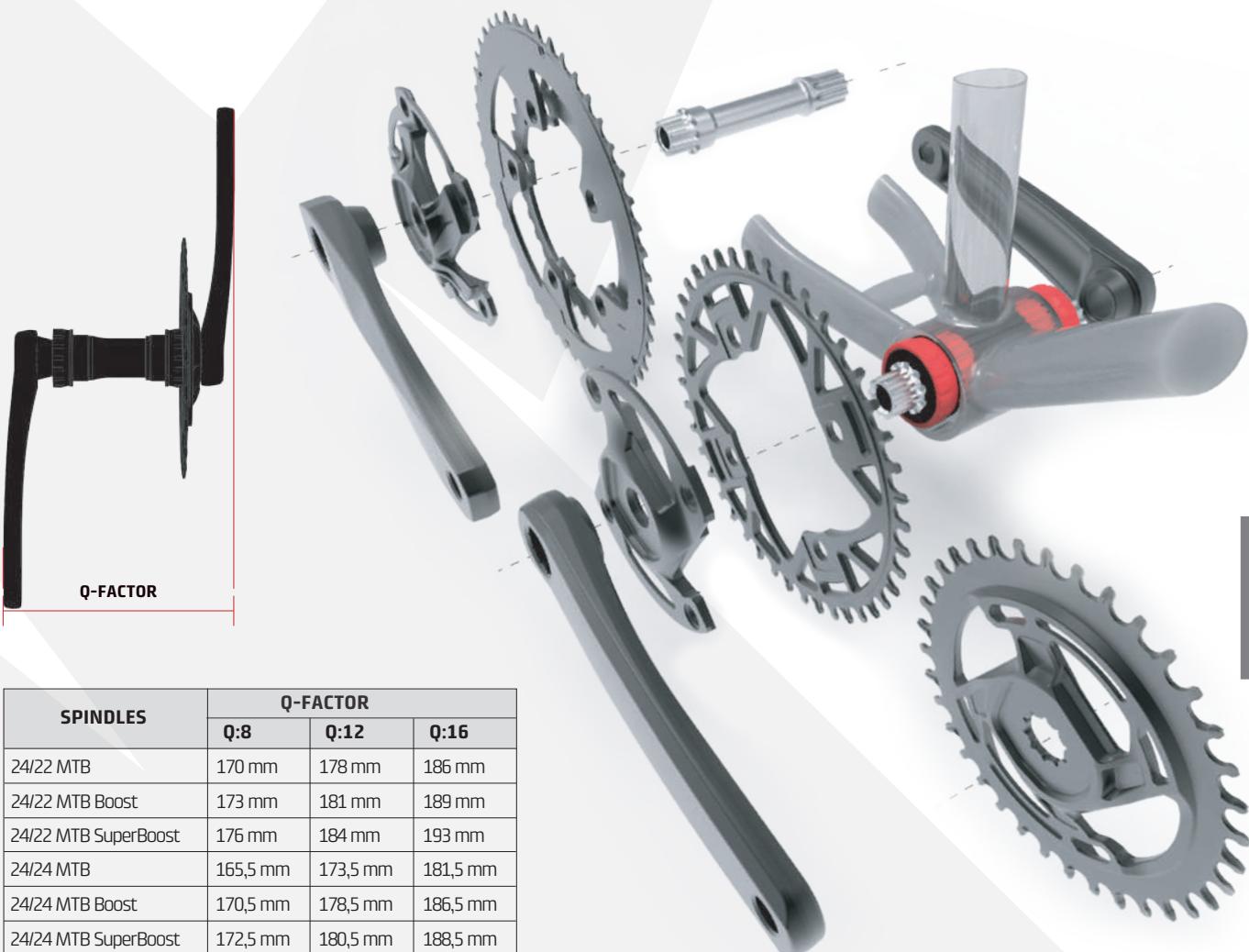
CRANK Q-FACTORS	A	B	C	D
Q:12	12,1 mm	27,1 mm	10,5 mm	26,2 mm

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

\*\*samples of the finishes on page 37



**Miranda**  
**Xmod**  
MTB



SPINDLES	Q-FACTOR		
	Q:8	Q:12	Q:16
24/22 MTB	170 mm	178 mm	186 mm
24/22 MTB Boost	173 mm	181 mm	189 mm
24/22 MTB SuperBoost	176 mm	184 mm	193 mm
24/24 MTB	165,5 mm	173,5 mm	181,5 mm
24/24 MTB Boost	170,5 mm	178,5 mm	186,5 mm
24/24 MTB SuperBoost	172,5 mm	180,5 mm	188,5 mm
22/24 DOWNHILL 83mm	183,5 mm	191,5 mm	199,5 mm

## Crankset XMOD BB30 Mithos Spiderless GR

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

Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request

\*other chainlines available by request

\*\*with 32T Chainring



### SPECIFICATIONS REF. 725

**Material**  
Aluminium

**Teeth**  
30T to 36T

**Chainline (mm)\***  
Standard - 48

**Weight (g)\*\***  
690

**Finishes**  
Standard



## Crankset XMOD Kappa CF3D

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

Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request

\*other chainlines available by request

\*\*with 32T Chainring



### SPECIFICATIONS

REF. 721

#### Material

Aluminium

#### Teeth

32T to 38T

#### Chainline (mm)\*

Standard - 48

#### Weight (g)\*\*

714

#### Finishes

Standard



## Crankset XMOD Kappa Spiderless CF3D

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

Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request

\*other chainlines available by request

\*\*with 32T Direct mount



### SPECIFICATIONS

REF. 722

#### Material

Aluminium

#### Teeth

32T to 36T

#### Chainline (mm)\*

Standard - 48

#### Weight (g)

648

#### Finishes

Standard



## Crankset XMOD Sigma Spiderless CF3D D2

In order to choose tooth type please check chain compatibility in page 40  
 Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request  
 \*other chainlines available by request



### SPECIFICATIONS

REF. 723

**Material**  
 Aluminium

**Teeth**  
 34T

**Chainline (mm)\***  
 Standard - 48

**Weight (g)**  
 679

**Finishes**  
 Standard

XMOD



## Crankset XMOD Kies Spiderless CF3D D3

In order to choose tooth type please check chain compatibility in page 40  
 Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request  
 \*other chainlines available by request



### SPECIFICATIONS

REF. 724

**Material**  
 Aluminium

**Teeth**  
 34T

**Chainline (mm)\***  
 Standard - 48

**Weight (g)**  
 692

**Finishes**  
 Standard



# SPIDERS



## Spider XM BCD104



### SPECIFICATIONS

REF. 159

**BCD**  
104

**Material**  
Aluminium

**Weight (g)**  
84

**Finishes\***  
Standard

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

SPINDLES	FRAME SHEEL	SPACER** DRIVER SIDE	SPACER** LEFT SIDE	CL Single* (inside)	CL Single* (outside)	CL Double	BOTTOM BRACKET
24/22 DOWNHILL	83 mm	-----	-----	56,5 mm	63,5 mm	60,5 mm	Miranda GXP
24/22 MTB	68 mm	2	-----	50,5 mm	57,5 mm	54,5 mm	Miranda GXP
24/22 MTB	68 mm	-----	2	45,5 mm	52,5 mm	49,5 mm	Miranda GXP
24/22 MTB	68 mm	1	1	48 mm	55 mm	52 mm	Miranda GXP
24/22 MTB BOOST	68 mm	2	1	51 mm	58 mm	55 mm	Miranda GXP
24/22 MTB BOOST	68 mm	1	2	48,5 mm	55,5 mm	52,5 mm	Miranda GXP
24/22 MTB SUPERBOOST	68 mm	2	1	54 mm	61 mm	58 mm	Miranda GXP
24/22 MTB SUPERBOOST	68 mm	1	2	51,5 mm	58,5 mm	55,5 mm	Miranda GXP
24/24 MTB	68 mm	2	-----	49,5 mm	56 mm	53 mm	Miranda 24/24 MTB
24/24 MTB	68 mm	1	1	47 mm	53,5 mm	51,5 mm	Miranda 24/24 MTB
24/24 MTB	68 mm	-----	2	44,5 mm	51 mm	48 mm	Miranda 24/24 MTB
24/24 MTB BOOST	68 mm	2	1	52 mm	58,5 mm	55,5 mm	Miranda 24/24 MTB
24/24 MTB BOOST	68 mm	1	2	49,5 mm	56 mm	53 mm	Miranda 24/24 MTB
24/24 MTB SUPERBOOST	68 mm	2	1	54,8 mm	61,5 mm	58,5 mm	Miranda 24/24 MTB
24/24 MTB SUPERBOOST	68 mm	1	2	52,5 mm	59 mm	56 mm	Miranda 24/24 MTB

In order to choose your spindle check page 23

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

\*\*2,5mm spacer

## Spider BCD104/64



AVAILABLE  
CHAINRINGS  
PAGE 33



AVAILABLE  
CHAINGUARDS  
PAGE 35

### SPECIFICATIONS

REF. 164

**BCD**  
110/64

**Material**  
Aluminium

**Weight (g)**  
95

**Finishes\***  
Standard

## Spider BCD88



AVAILABLE  
CHAINRINGS  
PAGE 33



AVAILABLE  
CHAINGUARDS  
PAGE 35

### SPECIFICATIONS

REF. 164

**BCD**  
110/64

**Material**  
Aluminium

**Weight (g)**  
95

**Finishes\***  
Standard

## Spider GR 104/64



AVAILABLE  
CHAINRINGS  
PAGE 31



AVAILABLE  
CHAINGUARDS  
PAGE 35

### SPECIFICATIONS

REF. 163

**BCD**  
104/64

**Material**  
Aluminium

**Weight (g)**  
122

**Finishes\***  
Standard

# DIRECT MOUNTS



## Direct Mount CF3D



\* other sizes available by request

\*\* with 32T Direct mount

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



### SPECIFICATIONS

REF. 303

#### Material

Aluminium

#### Teeth\*

28T to 36T

#### Weight (g)\*\*

76

#### Finishes

Standard

## Direct Mount CF3D Steel



### SPECIFICATIONS

REF. 303

#### Material

Steel

#### Teeth\*

30T and 32T to 36T

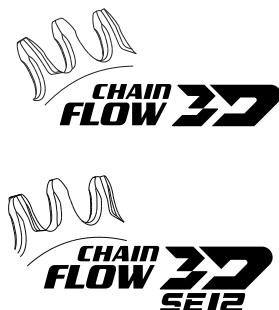
#### Weight (g)\*\*

145

#### Finishes

Standard

## Oval Direct Mount CF3D



### SPECIFICATIONS

**REF. 301**
**Material**  
Aluminium

**Teeth\***  
32T to 36T

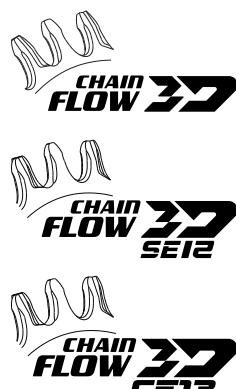
**Weight (g)\*\***  
93

**Finishes**  
Standard

\* other sizes available by request  
\*\* with 32T Chainring  
In order to choose tooth type please check chain compatibility in page 40

**XMOD**

## Spiderless XMOD CF3D GR **NEW**



### SPECIFICATIONS

**REF. 224**
**Material**  
Aluminium

**Size**  
30 to 36T

**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

# SPINDLES



## 24/22 DOWNHILL 83mm



REF. 521  
Material  
Titanium

Length (mm)  
145,5  
Weight (g)  
115

DOWNHILL

## 24/22 MTB



REF. 510  
Material  
Titanium

Length (mm)  
132  
Weight (g)  
147

MTB

## 24/22 MTB ECO



REF. 511  
Material  
Steel

Length (mm)  
132  
Weight (g)  
256

MTB

## 24/22 MTB Boost



REF. 512  
Material  
Titanium

Length (mm)  
135  
Weight (g)  
98

MTB BOOST

## 24/22 MTB Boost ECO

NEW



**REF. 513**  
**Material**  
 Steel

**Length (mm)**  
 135  
  
**Weight (g)**  
 173

MTB BOOST

## 24/22 MTB SuperBoost

**REF. 514**  
**Material**  
 Titanium

**Length (mm)**  
 138  
  
**Weight (g)**  
 116

SUPERBOOST

## 24/24 MTB

NEW



**REF. 506**  
**Material**  
 Titanium

**Length (mm)**  
 128,5  
  
**Weight (g)**  
 112

MTB

## 24/24 MTB ECO

NEW



**REF. 507**  
**Material**  
 Steel

**Length (mm)**  
 128,5  
  
**Weight (g)**  
 196

MTB

## 24/24 MTB Boost



**REF. 508**  
**Material**  
 Titanium

**Length (mm)**  
 133,4  
  
**Weight (g)**  
 116

MTB BOOST

## 24/24 MTB Boost ECO

NEW



**REF. 509**  
**Material**  
 Steel

**Length (mm)**  
 133,4  
  
**Weight (g)**  
 203

MTB BOOST

## 24/24 MTB SuperBoost



**REF. 514**  
**Material**  
 Titanium

**Length (mm)**  
 136,4  
  
**Weight (g)**  
 122

SUPERBOOST

## 24/24 MTB SuperBoost ECO

NEW



**REF. 515**  
**Material**  
 Steel

**Length (mm)**  
 136,4  
  
**Weight (g)**  
 214

SUPERBOOST



# MGreen

*Miranda*

The MGreen Crankset is a revolutionary product designed with sustainability and innovation at its core. Crafted from the principles of ecodesign, this patented system stands as a pioneering alternative to traditional cranksets commonly found in the market.

What sets the MGreen Crankset apart is its unique design that allows the separation of its two primary components: the chainring, constructed from durable steel, and the crank arm, forged from lightweight aluminium. This innovative feature deviates from the conventional clamped cranksets, offering a range of benefits that align with our commitment to sustainability.

In the event of a component failure, this design allows for the replacement of only the damaged part, significantly reducing waste by preserving the part that remains in good condition. Furthermore, when the crankset reaches the end of its life cycle, the ability to separate its components simplifies the recycling process. By facilitating the easy segregation of the two different materials - steel and aluminium - we ensure a more efficient and environmentally conscious recycling method.

The MGreen Crankset is not merely a component of a bicycle; it's a testament to our dedication towards creating products that respect and protect our environment. With every MGreen Crankset you choose, you are investing in a future where cycling and sustainability go hand in hand.

# Crankset MGreen Delta CF3D

In order to choose tooth type please check chain compatibility in page 40  
Any sizes, finishes, Q-factors and chainlines by request

\* other sizes available by request

\*\* With 34T Direct mount



## SPECIFICATIONS

REF. 701

### Material

Aluminium Alloy  
Steel

### Teeth\*

28T to 36T

### Weight (g)\*\*

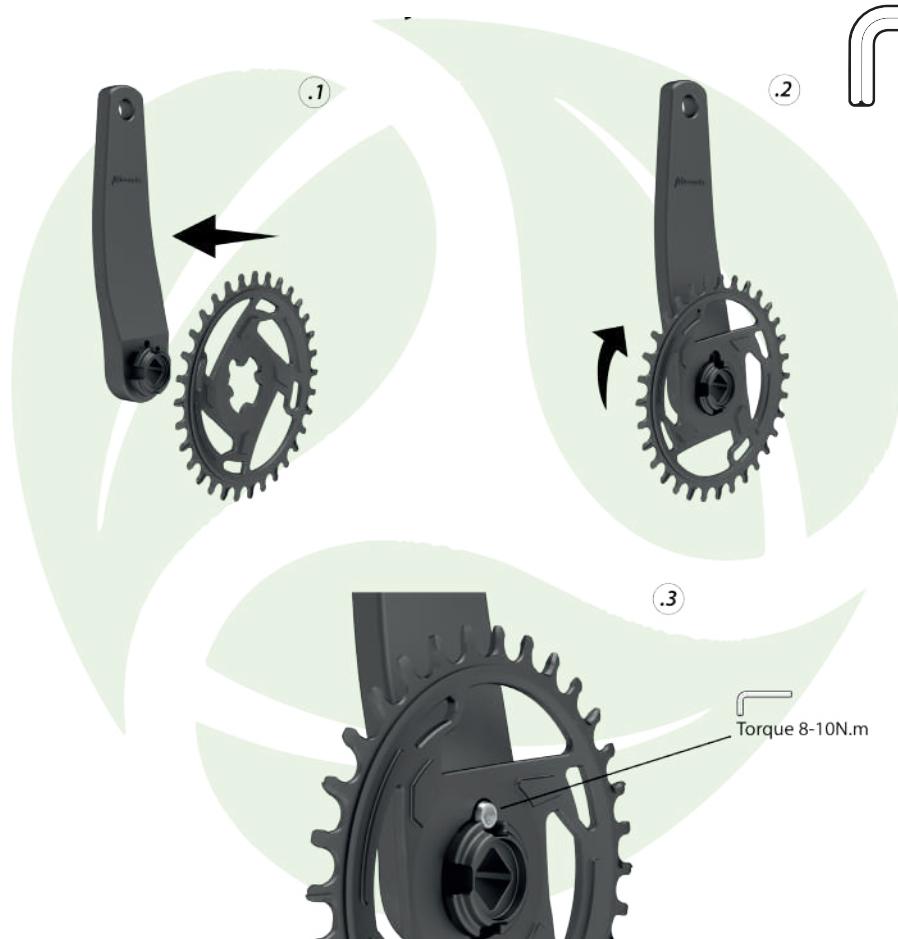
741

### Finishes

Standard

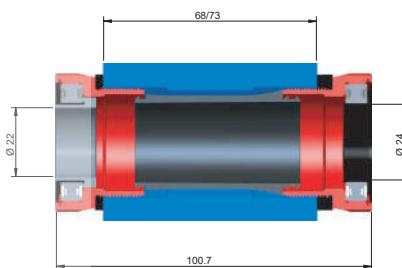
## ASSEMBLY INSTRUCTIONS

TOOLS:



# BOTTOM BRACKETS

## Miranda - GXP® compatible



### SPECIFICATIONS

REF. 600

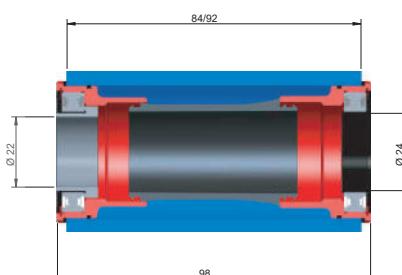
**Frame type**  
BSA 68/73

**Weight (g)**  
112

**Size**  
24/22

**Material**  
Aluminium

## Miranda Pressfit



### SPECIFICATIONS

REF. 601

**Frame type**  
Press Fit

**Weight (g)**  
99

**Size**  
24/22

**Material**  
Aluminium

## BB30 Press Fit Adapter



### SPECIFICATIONS

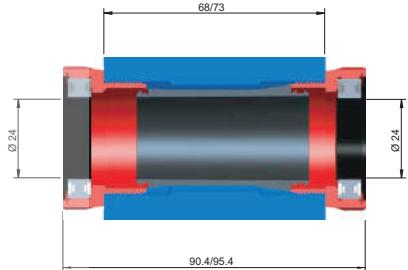
REF. 602

**Weight (g)**  
96

**Size**  
24/22

**Material**  
Aluminium

## Miranda 24/24 Road - compatible



### SPECIFICATIONS REF. 603

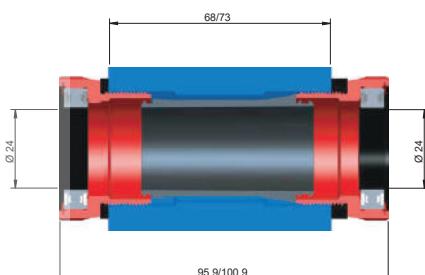
**Frame type**  
BSA 68/73

**Weight (g)**  
107

**Size**  
24/24

**Material**  
Aluminium

## Miranda 24/24 MTB - compatible



### SPECIFICATIONS REF. 604

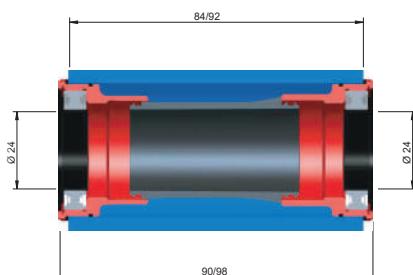
**Frame type**  
BSA 68/73

**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 Spiderless CF3D

Other cranks from page 7 to 14  
Any sizes, finishes and Q-factors by request  
\* with 32T Direct mount



### SPECIFICATIONS

REF. 702

#### Chainring Material

Steel

#### Length (mm)

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

#### Weight (g)\*

814

#### Teeth

30T . 32T



# CRANKSET 1X

## Delta 1R Spiderless CF

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

Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request



### SPECIFICATIONS

REF. 703

#### Chainring Material

Steel

#### Length (mm)

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

#### Weight (g)

814

#### Teeth

32T

## Lambda 1R Zeta CF3D Chainguard TJ

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

Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request

\* with 32T Chainring



### SPECIFICATIONS

REF. 705

#### Chainring Material

Steel

#### Length (mm)

170

#### BCD (mm)

104

#### Weight (g)\*

689

#### Teeth

34T to 50T and 56T

## Beta 2R

In order to choose tooth type please check chain compatibility in page 40  
 Any sizes, finishes and Q-factors by request  
 Other cranks from page 7 to 14

\* with 28/40T Chainring



### SPECIFICATIONS

REF. 709

#### Chainring Material

Aluminium

#### Length (mm)

170 . 175

#### BCD (mm)

104

#### Weight (g)\*

862

#### Teeth

26/39T . 28/40T  
 36/48T



CRANKSET  
 2X

# CRANKSET

## 3X

### TRIPLE



#### SPECIFICATIONS REF. 709

**Chainring Material**  
Steel

**Length (mm)**  
165 . 170 . 175

**BCD (mm)**  
104

**Weight (g)\***  
964

**Teeth**  
22/32/42T . 22/42/44T  
28/36/48T . 28/38/48T



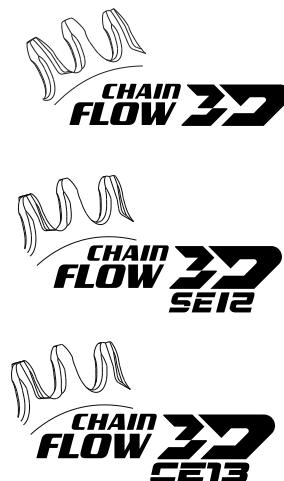
In order to choose tooth type please check chain compatibility in page 40  
Other cranks from page 7 to 14

Any sizes, finishes and Q-factors by request  
\* with 22/32/42T Chainring

**Epsilon 3R**

# CHAINRINGS

## Chainflow 3D BCD110



### SPECIFICATIONS REF. 300

**Material**  
Aluminium

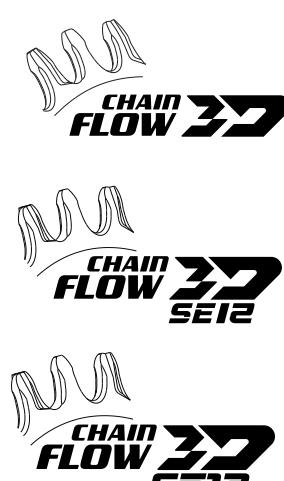
**Teeth\***  
34T to 50T

**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



### SPECIFICATIONS REF. 301

**Material**  
Aluminium  
Steel

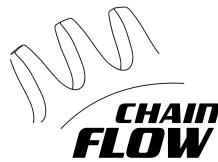
**Teeth\***  
32T to 52T and 56T

**Weight (g)\*\***  
47

**Finishes**  
Standard

\* other sizes available by request  
\*\* with 32T Chainring  
In order to choose tooth type please check chain compatibility in page 40

## Chainflow BCD104



### SPECIFICATIONS

REF. 302

#### Material

Aluminium  
Steel

#### Teeth\*

32T to 44T and  
48T to 52T

#### Weight (g)\*\*

66

#### Finishes

Standard

\* other sizes available by request

\*\* with 40T Chainring

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

## Standard Chainring



### SPECIFICATIONS

REF. 303

#### Material

Aluminium  
Steel

#### Teeth\*

32T to 52T and 56T

#### Weight (g)

40 to 277

#### Finishes

Standard

\* other sizes available by request

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

## Oval Direct Mount BCD88



### SPECIFICATIONS

REF. 302

#### Material

Aluminium

#### Teeth\*

32T to 36T

#### Weight (g)\*\*

79

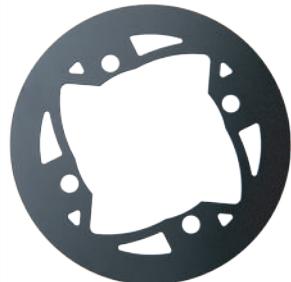
#### Finishes

Standard

\* other sizes available by request

\*\* with 34T Chainring

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

**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

# CHAINGUARDS



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 chainguards 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



**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

**M12**

REF. 802

**Material**

Steel

**Coating**

Zinc-nickel

\*aluminium spindle

**M15 Self extracting bolts**

REF. 809

**Material**

Steel

**Coating**

Zinc-nickel

\*steel spindle

**M12 Self extracting bolts**

REF. 807

**Material**

Steel

**Coating**

Zinc-nickel

\*aluminium spindle

**M8**

REF. 800

**Material**

Steel

**Coating**

Zinc-nickel

**M8 Self extractinga 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

## DIAMANT



# 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

## INLINE



## POLISHED



## DOUBLE DIAMANT



## GRAPHIC



## HD



## INLINE PLUS



# CHAIN COMPATIBILITY

Tooth type					
Tooth name	STANDARD CHAINRINGS	CHAIN FLOW	CHAIN FLOW 3D	CHAIN FLOW 3D SE12	CHAIN FLOW 3D SE13
Recommended chain	All 7, 8, 9, and 10 speed chains	All 9, 10 and 11 speed chains	9, 10, and 11 speed chains, Sram Eagle 12 speed and Sram 12 speed Road KMC MTB	Designed for 12 speed Shimano Hyperglide+ and 12 speed DLC 12 KMC	Designed for 13 speed EKAR C13 Campagnolo
Not recommended	11 and 12 speed chain	12 and 13 speed chains	12 speed Shimano Hyperglide+ and 12 speed DLC 12 KMC and 13 speed chains	13 speed chains	-----

# Micanda

Miranda & Irmão, Lda  
EN1 Km228.9, Borrinha  
3750-871 - Águeda, Portugal  
N 40 32.820 W 8 26.825

**Email**  
[info@miranda.pt](mailto:info@miranda.pt)  
**Telephone**  
+351 234 612 796

[www.mirandabikeparts.com](http://www.mirandabikeparts.com)  
[@mirandabikeparts](https://www.instagram.com/mirandabikeparts)

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