

# QUARTZ CARBON TI

- Very large contact surface area regardless of the model of shoe used, providing a unique level of comfort and power transmission.
- Spring-less design results in a very light pedal (120g with a Ti axle) delivering excellent mud evacuation.
- Carbon pedal body for increased durability.



# QUARTZ CARBON TI

- VERY EFFICIENT MUD SHEDDING
- GREAT BEARING SURFACE
- LIGHTWEIGHT
- CARBON BODY

## 2009: ENGAGEMENT/DISENGAGEMENT

All the Quartz pedals have been updated with a new bale that results in a More positive feel when clipping in and out plus, providing the retention and release characteristics needed in all riding conditions. The bale may look different from its predecessor but still retains all the LOOK patented benefits: the largest shoe to pedal surface available, excellent mud evacuation and with the spring-less bale, a very light weight design. The rider gets a solid platform to transfer power and a positive engagement to assure confidence for every level rider.

## MUD SHEDDING

This pedal's simple design provides full hollow sections along its axle, making mud shedding more efficient even under the worst conditions.

## GREAT BEARING SURFACE

The great bearing surface between the shoe studs and the pedal along with the support width make 'Quartz' a very stable and effective pedal.

## WEIGHT: 120G

'Quartz Carbon Ti' is one of the lightest VTT pedals on the market

## INJECTION MOULDED CARBON BODY

The use of injection-moulded carbon makes the body lighter while providing excellent mechanical hold-up.

## AXLE LINE WITH 3 BEARINGS ON STEEL AXLE

- The pedal is equipped with a very light oversized titanium axle, 2 micro-bearings with a tight ball and a needle roller bearing
- Sealing was strengthened to withstand extreme operating conditions and provides double seal operation (lip seal + joint on the ball bearing)
- The use of titanium makes the axle much lighter with no compromise on reliability. LOOK axles are subject to 1 million cycle rotation test under 100rpm speed and a 90kg load applied to the pedal centre with offset rotation (This creates an impact on each turn). Such requirements exceed the most demanding standard in force EN14766.

## SAFETY AND FLEXIBILITY OF USE

This pedal provides very soft engagement/disengagement, making it very safe even for beginners. At the same time, it is an ideal choice for the highest level sporting events.

## QUARTZ CLEATS

- Material: steel of very high friction coefficient
- Angle freedom:  $\pm 3^\circ$
- Side freedom:  $\pm 1.5\text{mm}$
- Disengagement angle:  $15^\circ$  or  $20^\circ$

## QUARTZ CLEATS ADJUSTMENT

Properly adjusted cleats provide for an optimum contact surface and performance. To do so, the lower face of the thread of the shoe should be in contact with the pedal. The various spacers (0,5, 1.0 and 2.0 mm) included with the QUARTZ pedals allow for precise fitting to different types of shoes. We recommend following the instructions deliver with the pedals to obtain the best possible results using your pedals. In addition, spacers are design to protect soles of the shoe from the lever. These spacers may wear faster than cleats. This is why there are extra spacers 1 and 2 mm, included.

|                                  |   |
|----------------------------------|---|
| USE                              | MTB - LEISURE AND RACING  |
| BODY                             | INJECTION MOULDED CARBON  |
| SPINDLE                          | TITANIUM OVERSIZE   |
| THREADING                        | 9/16 X 20 MM  |
| BEARING                          | 2 BALL BEARINGS - 1 NEEDLE ROLLER BEARING   |
| SEALING                          | 1 LIP SEAL + 1 JOINT MOUNTED ON BEARING   |
| AXLE / SOLE HEIGHT               | 12,5 MM (BEARING ON STUDS)  |
| PEDAL AXLE / CRANK DISTANCE      | 53 MM   |
| MULTITENSOR                      | NONE  |
| CLEATS                           | QUARTZ  |
| ANGULAR FREEDOM                  | $\pm 3^\circ$   |
| SIDE FREEDOM                     | $\pm 1,5\text{MM}$  |
| PEDAL WEIGHT                     | 120 G<br>(278 G ONE PAIR WITH CLEATS AND SCREWS)  |
| COLOR                            | BLACK AND RED BODY  |
| ACCESSORIES SUPPLIED WITH PEDALS | ONE PAIR OF QUARTZ CLEATS $15^\circ$<br>ONE PAIR OF QUARTZ CLEATS $20^\circ$<br>DIFFERENT HEIGHT ADJUSTERS AND 4 SCREWS |
| RETAIL PRICE                     | SRP   |
| GUARANTEE                        | 2 YEARS   |