

BICYCLE BRAKE SHOES  
BICYCLE GRIPS  
BICYCLE BRAKE PAD  
BICYCLE BRAKE DISC  
BATTERY CASE

# 2025 PRODUCT MANUAL

## 天津市瑞博尔橡塑制品有限公司

TIANJIN RABE R&PS CO.,LTD  
ADD: NO.2, CHANGWANG ROAD,  
MODERN INDUSTRIAL DISTRICT, NINGHE DISTRICT, TIANJIN  
E-mail: rabe@tjrabe.cn  
WEB: www.rabe.net.cn  
TEL: 0086-22-86835333  
FAX: 0086-22-86835353

## 天津市诚煌科技有限公司

TIANJIN CHENGHUANG TECHNOLOGY CO., LTD  
ADD: NO.2, CHANGWANG ROAD,  
MODERN INDUSTRIAL DISTRICT, NINGHE DISTRICT, TIANJIN  
E-mail: rabe@tjrabe.cn  
WEB: www.rabe.net.cn  
TEL: 0086-22-86835333  
FAX: 0086-22-86835353

**rabe**  
Bicycle Parts

# INDUSTRY MIRACLES

2004年

## Sailing the Dream

RABE starts at professional production of plastic and rubber pad for suspension fork.

2006年

## Professional poloting

RABE devotes itself in R&D and production of bicycle brake shoes.

2007年

## Moving Into a New Site

RABE moves to its new factory.

2008年

## An Extraordinary Enterprise

RABE is the first enterprise that the product pass the professional braking performance EN-14766 and environmental CH test from Germany.

2013年

## Deep R&D

RABE dedicates itself on deep R&D of disc brake pad.

2014年

## Innovation and Exploration

RABE vigorously develops the solid tube

2015年

## Widespread Development

RABE establishes the Huizhou factory.

2016年

## R&D of New Product

RABE devotes itself in R&D and production of shaft seal.

2017年

## R&D of New Product

RABE devotes itself in R&D and production of rubber compound.

2018年

## First level workshop

RABE Build a first-level workshop, deepen lean management, and spread lean culture

2022年

## Audit certification

Passed YADEA electric footerscooter audit and certification

2023年

## R&D of New Company relocation

The company moved to Modern Industrial Park, Ninghe District, Tianjin

2024年

## Establish new department

Established lithium battery technology R&D department



# CONTENTS

|                        |    |
|------------------------|----|
| Bicycle Brake Shoes    | 01 |
| Bicycle Brake Pad      | 11 |
| Bicycle Grips          | 17 |
| Oil Seal Kit           | 21 |
| Head Set Plastic Parts | 23 |
| Bicycle Bushings       | 25 |
| Handlebar tape         | 27 |
| Brake Toror            | 29 |
| Battery Information    | 31 |
| Packing Style          | 33 |
| Operating System       | 35 |

# MTB BRAKE SHOES



**RB-977BY**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°

RB-977BG



**RB-979YBR**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°



**RB-972CBR**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°



**RB-R972BBO**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°  
REFLECTOR

RB-R972YBO



**RB-972CGBB**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°

RB-972CGOB



**RB-972AB**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°

RB-972BB

RB-972RB



**RB-973CBR**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°

RB-973BBR

RB-973ABR

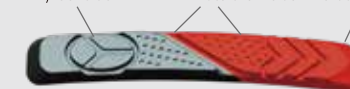


**RB-976CB**

V-TYPE/Canti Brake shoes  
SIZE:72mm×0°

RB-975AG

Dry Condition Eliminate the Noise Crud Remove

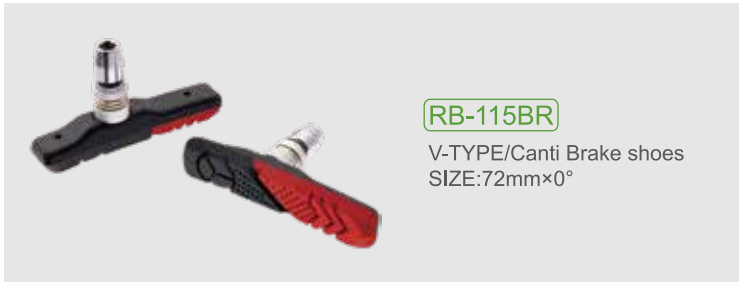
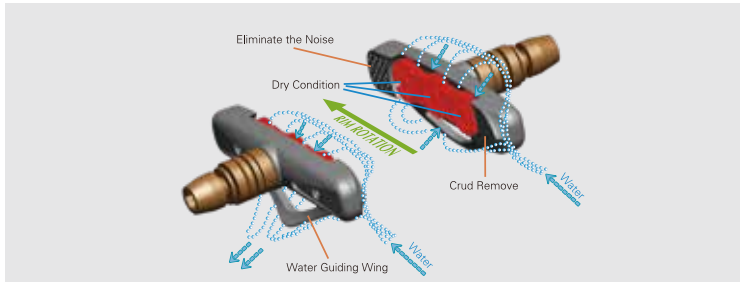


Top View

Water Guiding Water Guiding

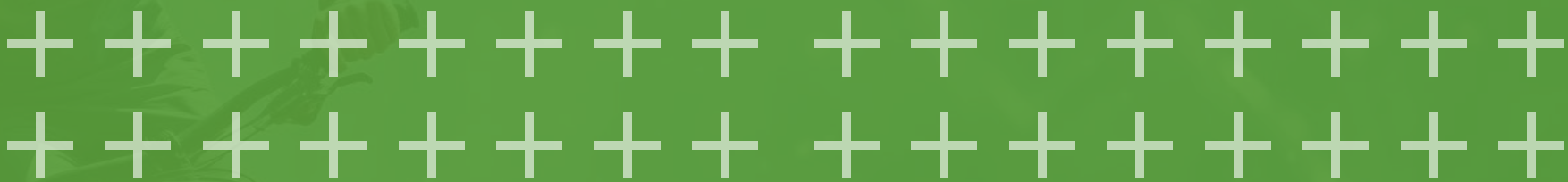


Bottom View

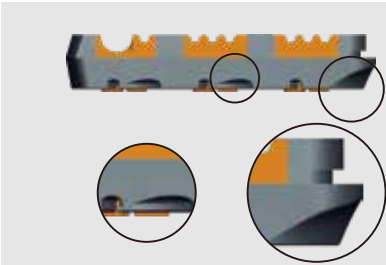




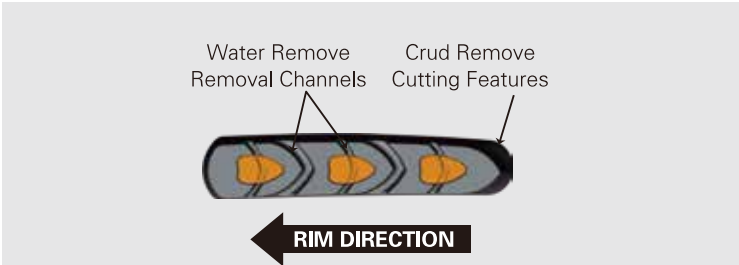
# ROAD BRAKE SHOES



- Avoid Pitching Over
- More Braking Control
- Shorten Braking Distance
- Suspension Feeling



Detail of Function



Water Remove Removal Channels

Crud Remove Cutting Features

RIM DIRECTION



**RB-860RB**  
Road Brake shoes  
SIZE:55mm×0°

RB-860OB



**RB-M251**  
V-TYPE/Canti Brake shoes  
SIZE:50mm×0°



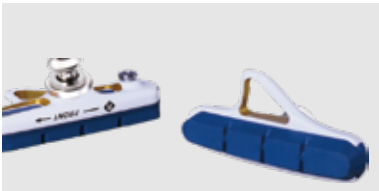
**RB-855AB**  
Road Brake shoes  
SIZE:55mm×0°

RB-H855AB(Q)

RB-855AB(Q)

RB-855CB

RB-855YB



**RB-870WBLU**  
Road Brake shoes for Carbon rim  
SIZE:55mm×0°



**RB-858B**  
Road Brake shoes  
SIZE:55mm×0°  
The angle is adjustable



**RB-885D**  
Road Brake shoes  
SIZE:55mm×0°



**RB-859WB**  
Road Brake shoes  
SIZE:55mm×0°

RB-859GB

RB-851



**RB-861RB**  
Road Brake shoes  
SIZE:55mm×0°

RB-861BB

RB-861BLUB

**ABS TECH**  
ANTI-LOCK BRAKE SYSTEM

# BRAKE SHOES



## CANTILEVER BRAKE SHOES



## CALIPER BRAKE SHOES



**RB-213R**

BMX Brake shoes  
SIZE:40mm×0°



**RB-206R**

BMX Brake shoes  
SIZE:40mm×0°



**RB-210**

BMX Brake shoes  
SIZE:40mm×0°



**RB-198B**

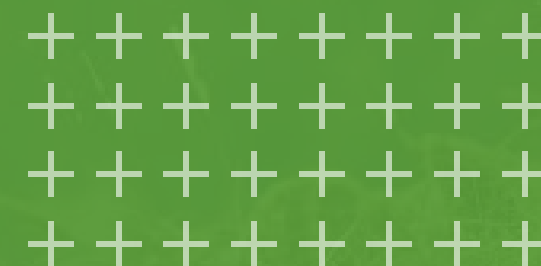
BMX Brake shoes  
SIZE:50mm×0°



**RB-45B**

BMX Brake shoes  
SIZE:45mm×0°

# BMX BRAKE SHOES



# BICYCLE BRAKE PAD



RB-D21

| BRAND   | COMPATIBILITY                                                                           |
|---------|-----------------------------------------------------------------------------------------|
| SHIMANO | Deore BR-C601/M416/<br>M445/M446/M485/M486<br>/M515<br>Deore Mech and Hydraulic<br>M525 |
| TEKTRO  | Auriga/Draco/HDC 300                                                                    |



RB-D22

| BRAND   | COMPATIBILITY                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHIMANO | Deore LX BR-M655/M765<br>/M775/M965<br>Deore XT BR-M755/M966<br>/M975 Saint<br>XT(04-07) XTR(03-07)<br>XTR M965/966,<br>Saint M800,Hone,Deore<br>XT M765 |



RB-D23

| BRAND   | COMPATIBILITY                                           |
|---------|---------------------------------------------------------|
| SHIMANO | Deore XT , BR-M785 ,<br>SLX M666, XTR<br>2011 , BR-M985 |



RB-D24

| BRAND   | COMPATIBILITY   |
|---------|-----------------|
| SHIMANO | XTR 2011 , M985 |



RB-D25

| BRAND   | COMPATIBILITY                     |
|---------|-----------------------------------|
| SHIMANO | XT M775 , M775-DH ,<br>XTR Pre-02 |



RB-D26

| BRAND | COMPATIBILITY |
|-------|---------------|
|-------|---------------|





RB-D27

BRAND

AVID

COMPATIBILITY

Juicy 3/Juicy 5/Juicy 7/  
BB7 Mech



RB-D28

BRAND

SRAM

COMPATIBILITY

X0/X7/X9/XX  
Elixir 1/3/5/7/9



RB-D39

BRAND

MAGURA

COMPATIBILITY

Louise 2008  
louise 2007



RB-D40

BRAND

MAGURA

COMPATIBILITY

MT series 2/4/6/8



RB-D29

BRAND

TEKTRO

COMPATIBILITY

Novela 2011  
Lyra IOX.11 I0x



RB-D30

BRAND

TEKTRO

COMPATIBILITY

AQUILA/10 MECHANICAL



RB-D41

BRAND

MAGURA

COMPATIBILITY

Julie 2001–2008



RB-D42

BRAND

PROMAX

COMPATIBILITY

DSK–400/410/610/610J  
/650/650 J&XNINE



RB-D31

BRAND

MAGURA

COMPATIBILITY

MT5/MT7



RB-D32

BRAND

SRAM

COMPATIBILITY

HRD Rival Red  
Force S700



RB-D43

BRAND

SHIMANO

COMPATIBILITY

Deore Mechanical 2001&  
2002 Nexave Hydraulic



RB-D46

BRAND

AVID

COMPATIBILITY

Elixir R , CR , Elixir 3.5  
Saram X X



RB-D33



RB-D34



RB-D47



RB-D48





RB-D51

| BRAND  | COMPATIBILITY               |
|--------|-----------------------------|
| MAGURA | Marta/Marta SL<br>2002-2008 |



RB-D52

| BRAND   | COMPATIBILITY  |
|---------|----------------|
| SHIMANO | Saint 2009/Zee |



RB-D53

| BRAND | COMPATIBILITY |
|-------|---------------|
| AVID  | CODER         |



RB-DA-1



RB-DA-2



RB-DA-3



RB-DA-4

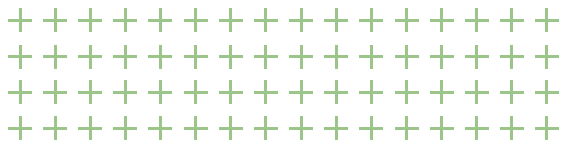
ELECTRIC  
MOTORCYCLE  
DRUM BRAKE SHOES

+++++

ELECTRIC  
MOTORCYCLE  
BICYCLE BRAKE PAD

+++++

# BICYCLE GRIPS



## MATERIAL

RUBBER+ALLOY



GP-081

Unit:SET  
Length:135mm  
Material:Rubber  
Function:ECTEC GRIPS  
Colors:



GP-091

Unit:SET  
Length:130mm  
Material:Rubber  
Function:ECTEC GRIPS  
Colors:



GP-101

Unit:SET  
Length:130mm  
Material:Rubber  
Function:ECTEC GRIPS



GP-102

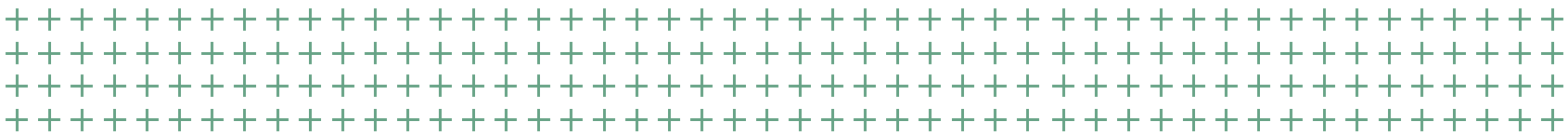
Unit:SET  
Length:120mm/130mm  
Material:Rubber  
Function:ECTEC GRIPS



GP-201

Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:

# BICYCLE GRIPS



**GP-202**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-203**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-301**  
Unit:SET  
Length:100mm/125mm/130mm  
Material:EVA+Alloy  
Function:ECREC GRIPS  
Colors:



**GP-601**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-602**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-701**  
Unit:SET  
Length:130mm  
Material:Kraton Rubber+ally  
Function:ELTEC GRIPS  
Colors:



**GP-401**  
Unit:SET  
Length:130mm  
Material:Rubber  
Function:ECTEC GRIPS  
Colors:



**GP-402**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-501**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ECTEC GRIPS  
Colors:



**GP-702**  
Unit:SET  
Length:130mm  
Material:Kraton Rubber+ally  
Function:ELTEC GRIPS  
Colors:



**GP-801**  
Unit:SET  
Length:130mm  
Material:PP(INSIDE)+TPR(OUTSIDE)+ALLOY  
Function:ERGONOMIC GRIPS & TWO SIDES LOCKING  
Colors:



**GP-802**  
Unit:SET  
Length:130mm  
Material:Rubber+alloy  
Function:ECTEC GRIPS  
Colors:



# OIL SEAL KIT



RB-18 OIL SEAL 42-31.8



RB-22 OIL SEAL 38-28.6



RB-42 MD



RB-27 OIL SEAL 43.8-27

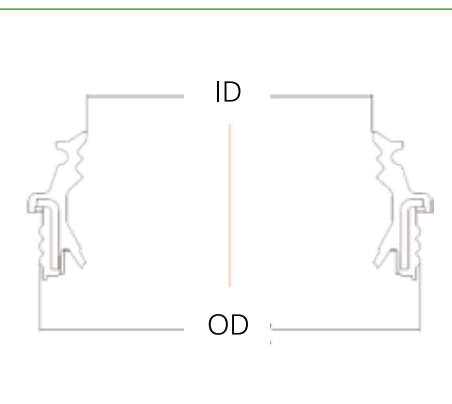


RB-30 OIL SEAL 41.2-30



RB-39MD

| OIL SEAL |      |
|----------|------|
| φ ID     | φ OD |
| 27       | 43.8 |
| 28.6     | 35.2 |
| 30       | 41.2 |
| 30       | 37.3 |
| 32       | 40.7 |
| 32       | 41.2 |
| 34       | 44.3 |



| OIL SEAL |       |
|----------|-------|
| φ ID     | φ OD  |
| 25.4     | 35.28 |
| 25.4     | 38    |
| 27       | 38.54 |
| 28.6     | 41.54 |
| 28.6     | 38.3  |
| 28.6     | 36.5  |
| 31.8     | 43    |

# HEAD SET PLASTIC PARTS



# Precision plastic parts



RB-M30



RB-DT



RB-XCT-JDC



RB-SCT-JDC

# HANDLEBAR TAPE

## Material Structure

Soft, skidproof small particles of silicone + good ductility  
figer cloth +special 1mm EVA adhensive, shockproof, free  
residue on the handlebar



RB-T03



RB-T04



RB-T05



RB-T06



RB-T07



RB- T08

**SILICONE**  
DURASOFT SILICONE BAR TAPE

3.0  
mm

## Featur's Function Description

- Strongly soft, skidproof, smooth feel, different from general PU material
- Unique sweat-siphoning, breathable capabillites, different from general PU or Sillicone material
- Ultra-soft ductile fiber cloth, easy to surround and can be perfectly fitted
- Special 1mm EVA adhesive + shockproof, Also free residue on the handlebar when replaced the handle tapes
- Surface logo color can be more vivid and clear. The overall weight is light
- Meet the international environmental testing requirement





# BICYCLE DISC BRAKE

BRAKE BRAKING EFFECT ENSURES SAFE RIDING  
OPENWORK DESIGN IS LIGHT AND BEAUTIUL



RB- RE02



RB- RE03



RB-RE04

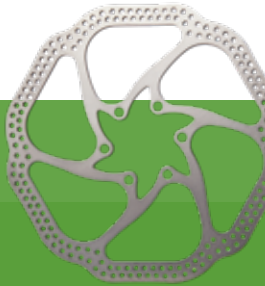


RB- RE05

SIZE:φ160mm



RB- RE06



RB- RE08



RB-RE10

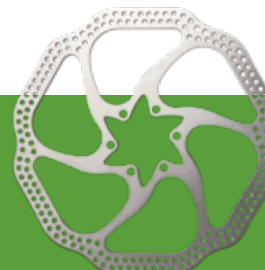


RB- RE12

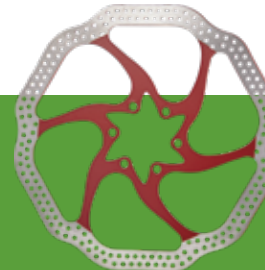
SIZE:φ160mm



RB- RF02



RB-RF-03



RB- RF04

SIZE:φ180mm



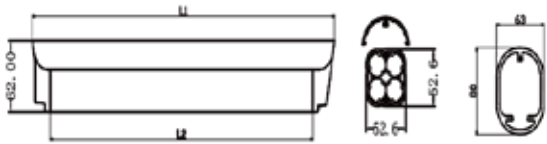
RB- RC01



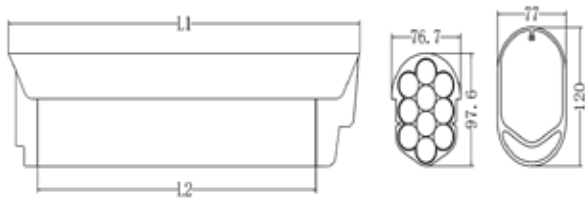
RB- RC04

SIZE:φ140mm

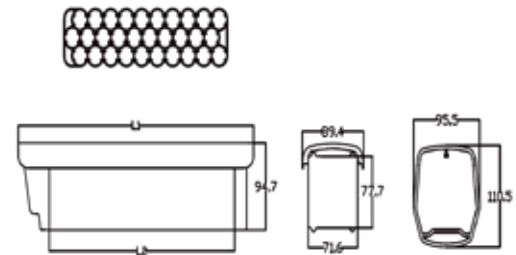
# BATTERY INFORMATION



|                |              |
|----------------|--------------|
| Model          | CH-IU-02     |
| Turn on        | Up           |
| Maximum cell   | 20 (21700)   |
| Max capacity   | 36V,10AH     |
| Charging port  | DC2.1, 3Pin  |
| Discharge port | 6Pin         |
| LED indicator  | 3 LED lights |
| L1*L2(mm)      | 455*395.4    |



|                |              |
|----------------|--------------|
| Model          | CH-IU-01     |
| Turn on        | Up           |
| Maximum cell   | 40 (21700)   |
| Max capacity   | 36V,20AH     |
| Charging port  | DC2.1, 3Pin  |
| Discharge port | 6Pin         |
| LED indicator  | 4 LED lights |
| L1*L2(mm)      | 393*311      |



|                |              |
|----------------|--------------|
| Model          | CH-IU-03     |
| Turn on        | Up and Down  |
| Maximum cell   | 30 (21700)   |
| Max capacity   | 36V,15AH     |
| Charging port  | DC2.1, 3Pin  |
| Discharge port | 6Pin         |
| LED indicator  | 4 LED lights |
| L1*L2(mm)      | 341*269.5    |



# PACKING STYLE



PACKING



PROMOTION PACK





- Professional Testing Equipment
- Professional designer
- Supported by APQP and FMFA Program

#### R&D



- Optimize the qualified supplier management program
- Professional Testing Equipment
- In line with international standards of raw materials inspection specifications

#### PURCHASING



- Precision of the Production Equipment
- Professional production and technical person
- Meet the requirements of the system of perfect production management procedures

#### PRODUCTION



- Professional norms of control and program control
- Advanced Inspection equipment for delivery
- Specification of sampling scheme
- 24 hours with the customer communication and coordination to guarantee of rapid response

#### ENSURE DELIVERY



- Rubber compound production line

#### RUBBER COMPOUND



- Precision Machining Equipment
- Professional design team for over 14 years experience
- Periodical maintenance of all the moulds

#### MOULD MANAGEMENT



- Advanced Testing Equipment
- Professional Inspector
- Meet the requirements of the system of process management system

#### PROCESS CONTROL



- Periodical training for all employee
- Professional training and standardized training measures
- Training material covering profession, customer satisfaction and safety measure

#### TRAINING

# OPERATING SYSTEM