

## BENGAL Warranty Service Center And Distributor Information

### **Brazil Distributor**

**J.T.COM IMP E EXP LTDA**

TEL/FAX:+55-11-5678-2694

Website: [www.joytech.com.br](http://www.joytech.com.br)

### **China General Distributor**

**(China Warranty Service Center)**

**LEADING COMPONENTS (S.Z.) CO., LTD.**

(A plant) 5F, No.14 Zhengxing Road,

Liyuhe Industrial District, Lou Village,

Gongming Town, Shenzhen, 518106

TEL: 0755-23194955/6 FAX: 0755-23194953

Contact: [robert6402@kimo.com](mailto:robert6402@kimo.com)

### **Malaysia Distributor**

**Evanda Sdn Bhd (812810-X)**

Lot 153 (No 1) , Jalan TIAJ 2/1 , Taman Industri

Alam Jaya , 42300 Bandar Puncak Alam ,

Selangor , Malaysia

TEL:+6 03 60388929 / 6038 8928

Contact: [evanda\\_rmb@yahoo.com](mailto:evanda_rmb@yahoo.com)

### **Singapore Distributor**

**(Singapore Warranty Service Center)**

**D-CYCLEWERKZ**

2 YISHUN INDUSTRIAL STREET 1, #01-15 NORTHPOINT

BIZHUB, SINGAPORE 768159

TEL:+65 67523457

Contact: [dcyclewerkz8@gmail.com](mailto:dcyclewerkz8@gmail.com)

### **Spain & Andorra Distributor**

**RACING CYCLE**

Rua dos Lagoeiros armz 54 2415 -645 Leiria Portugal

Tel:+351 244 027 587 / +351 244 043 616

Contact: [info@racingcycle.net](mailto:info@racingcycle.net)

### **Switzerland Distributor**

**(European Warranty Service Center)**

**3LMNT Distribution Inc., Corp.**

Römerstrasse 15a, CH-2555 Brugg , Switzerland

TEL: +41-78-666-42-17 FAX: +41-78-666-42-17

Contact: [info@3lmnt.com](mailto:info@3lmnt.com)

### **Taiwan Distributor**

**HARVEST YEAR TECHNOLOGY COMPANY**

No.70-3, Zhangliu rd., Xiushui Township,

Changhua County 504, Taiwan

TEL: +886-4-7691929 FAX: +886-4-7691858

Contact: [hy.bike88@msa.hinet.net](mailto:hy.bike88@msa.hinet.net)

### **USA & Canada Warranty Service Center**

**KHS, Inc**

2840 Harcourt St. Rancho Dominguez, Ca. 90221 USA

TEL: 1-800-347-7854\*212

Contact: [rogerj@khsbicycles.com](mailto:rogerj@khsbicycles.com)

### **Portugal Distributor**

**RACING CYCLE**

Rua dos Lagoeiros armz 54 2415 -645 Leiria Portugal

Tel:+351 244 027 587 / +351 244 043 616

Contact: [info@racingcycle.net](mailto:info@racingcycle.net)



# 2020

The latest distributor information will be updated , please refer to our website

**Bengal Performance Brake Systems**

[sales@bengalperformance.com.tw](mailto:sales@bengalperformance.com.tw)

[www.bengalperformance.com.tw](http://www.bengalperformance.com.tw)



# Hydraulic Disc Brake

## Technical features

Open hydraulic disc brake system  
 Aluminum forged master cylinder and caliper  
 Master cylinder with reach adjustment  
 "EZ-adjust" hose connector, adjustable up to 180 degrees  
 Window for driver easily inspect if pads have worn, clean and mud out  
 2-Piece bracket for easy assembly  
 Perfect for XC, TRAIL, AM, FR, DH

## ARES 5

### Weight

Master cylinder : 90g  
 Caliper : 120g

### Rotor

OD-160C (6-bolt or center lock)  
 Optional OD-180C/ OD-203C

### Lever

1.5 finger blade

### Finish

Black

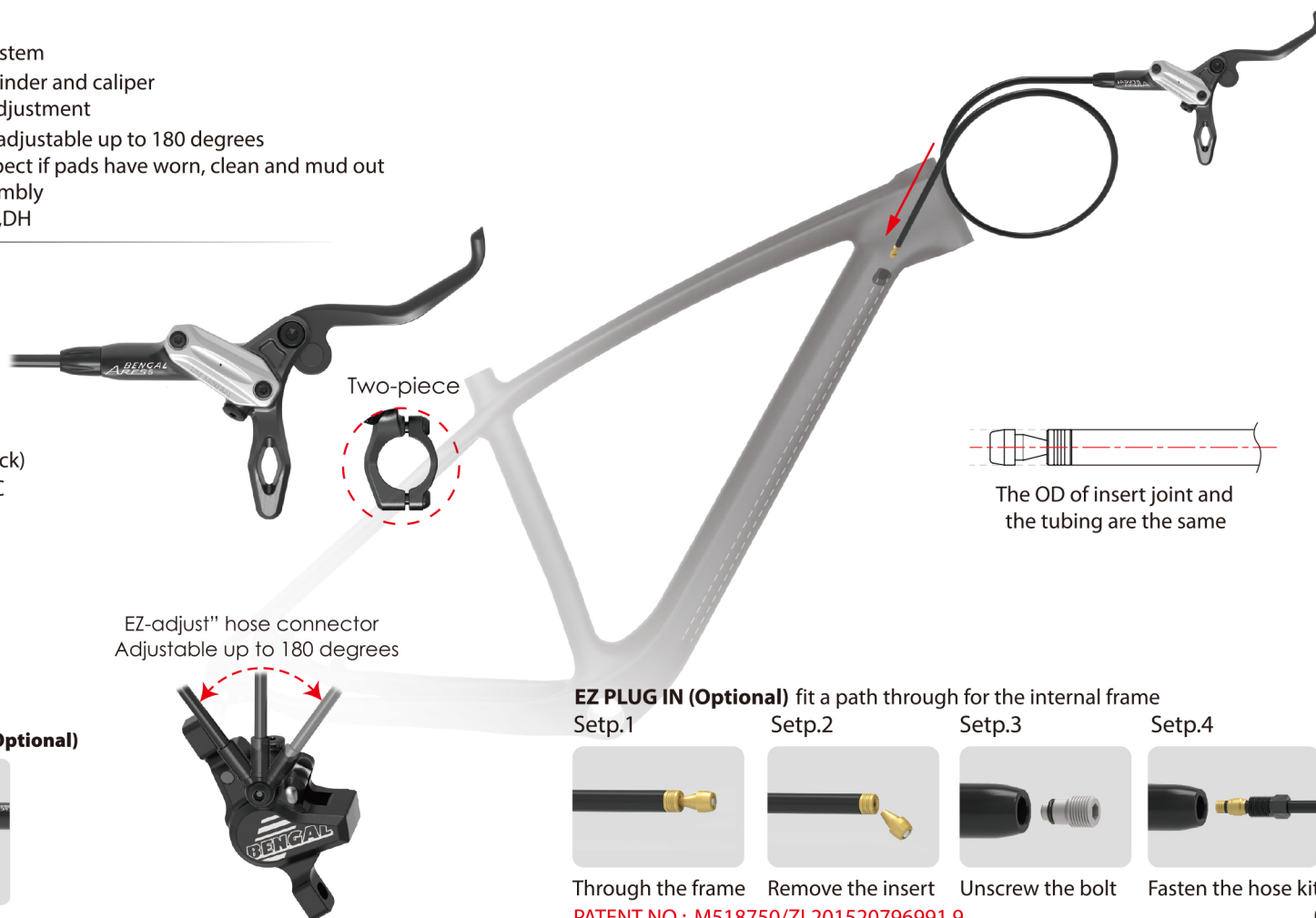
### Fluid

Mineral

### Pad

Semi-metallic compound

### Tool free reach adjustment(Optional)



# Hydraulic Disc Brake

## Technical features

Open hydraulic disc brake system  
Aluminum forged master cylinder and caliper  
Master cylinder with reach adjustment  
Patented "EZ-out" brake pad replacement  
Window for driver easily inspect if pads have worn, clean and mud out  
Perfect for XC, TRAIL, AM

## ARES 3

### Weight

Master cylinder : 102g  
Caliper : 120g

### Rotor

OD-160C (6-bolt or center lock)  
Optional OD-180C/ OD-203C

### Lever

2 finger blade

### Finish

Black

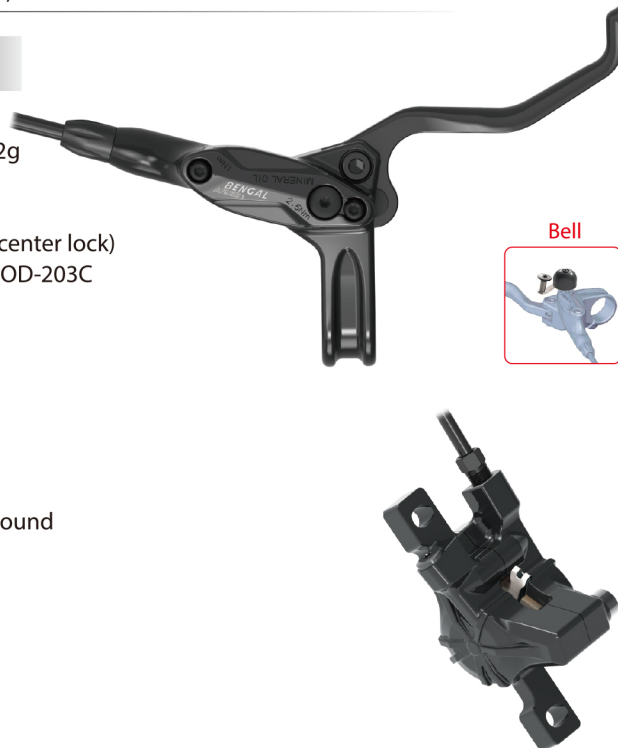
### Fluid

Mineral

### Pad

Semi-metallic compound

### Bell (Optional)



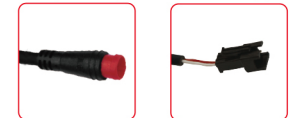
Bell



## ARES 3E

**Signal connection switch** Perfect for E-bike  
**Bell (Optional)**

Waterproof type General type



Optional connector types



**EZ PLUG IN (Optional)** fit a path through for the internal frame

Setp.1



Through the frame

Setp.2



Remove the insert

Setp.3



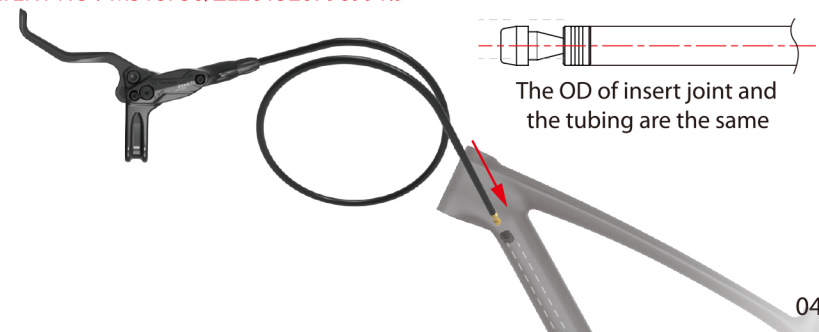
Unscrew the bolt

Setp.4



Fasten the hose kit

**PATENT NO : M518750/ZL201520796991.9**



The OD of insert joint and the tubing are the same





# Hydraulic Disc Brake

## Technical features

- Open hydraulic disc brake system
- Aluminum forged master cylinder and caliper
- Four pistons activation for peak stopping power "PSP"
- Master cylinder with reach adjustment
- "EZ-adjust" hose connector, adjustable up to 180 degrees
- Window for driver easily inspect if pads have worn, clean and mud out
- Perfect for XC, TRAIL, AM, FR, DH

### ARES 3X

#### Weight

- Master cylinder : 102g
- Caliper : 131g

#### Rotor

- OD-160C (6-bolt or center lock)
- Optional OD-180C / OD-203C

#### Lever

- 2 finger blade

#### Finish

- Black

#### Fluid

- Mineral

#### Pad

- Semi-metallic compound



## Technical features

- Open hydraulic disc brake system
- Aluminum forged master cylinder and caliper
- Four pistons activation for peak stopping power "PSP"
- Master cylinder with tool-free reach adjustment
- "EZ-adjust" hose connector, adjustable up to 180 degrees
- Window for driver easily inspect if pads have worn, clean and mud out
- Perfect for XC, TRAIL, AM, FR, DH

### ARES 4X

#### Weight

- Master cylinder : 88g
- Caliper : 131g

#### Rotor

- OD-160C (6-bolt or center lock)
- Optional OD-180C / OD-203C

#### Lever

- 2 finger blade

#### Finish

- Black

#### Fluid

- Mineral

#### Pad

- Semi-metallic compound







### Technical features

Open hydraulic disc brake system  
 Aluminum forged master cylinder and caliper  
 Master cylinder with reach adjustment  
 Patented "EZ-out" brake pad replacement  
 Window for driver easily inspect if pads have worn, clean and mud out  
 Lever can be assembled with stop devices(stop pin, or cut-off sensor, or both)  
 Perfect for E-BIKE, SPECIAL TYPE

## ARES 7+

### Weight

Master cylinder : 100g

Caliper : 120g

### Rotor

OD-160C

Optional OD-180C / OD-203C

### Lever

4 finger blade

### Finish

Black

### Fluid

Mineral

### Pad

Semi-metallic compound

**Signal connection switch (Optional)**

**Bell (Optional)**



### Technical features

Open hydraulic disc brake system  
 Aluminum forged master cylinder and caliper  
 Patented "EZ-out" brake pad replacement  
 Window for driver easily inspect if pads have worn, clean and mud out  
 One master cylinder with dual caliper  
 Lever can be assembled with stop devices(stop pin, or cut-off sensor, or both)  
 Perfect for TRICYCLE, PEDICAB, E-BIKE, SPECIAL TYPE

## ARES 7.5

### Weight

Master cylinder : 100g

Caliper : 120g

### Rotor

OD-160C

Optional OD-180C / OD-203C

### Lever

4 finger blade

### Finish

Black

### Fluid

Mineral

### Pad

Semi-metallic compound

**Signal connection switch (Optional)**

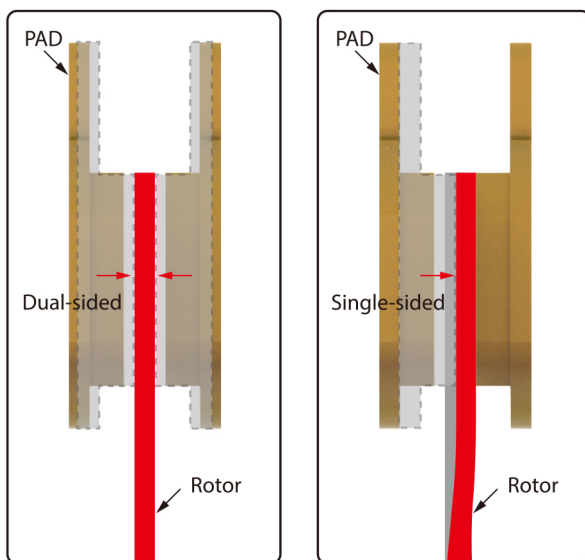
**Bell (Optional)**



# Mechanical Disc Brake Dual-sided

MB300, is a mechanical disc brake designed by veering away from traditional techniques and discovering a new dual-sided patented structured design. The MB300's one piece and competitive lightweight design offer easy setup and adjustment. The unique positioning of the pads between the sides of the rotor provides incredible performance. Furthermore, MB300's breakthrough design finally solves the issue of rotor deformation caused by traditional unilateral action. The dual-sided design gives this brake multiple advantages over its competitors. Plus, MB300 is suitable for any levers on the market and one of the best performing on the world.

PATENT NO : M533615/US 9771125/ZL2016205986261/Nr.20 2016 104 048



## Technical features

It gives the brake actuator synchroized with two sides  
Easy to assembly and manually adjust the gap of two sides  
Window for driver easily inspect if pads have worn, clean and mud out  
Compact, light weight, 1-piece aluminum caliper design

## MB 300

Perfect for : MTB, URBAN

Finish : Black

Rotor : OD-160C (6-bolt or center lock)

Optional OD-180C / OD-203C

Pad : Semi-metallic compound

## MB 300T

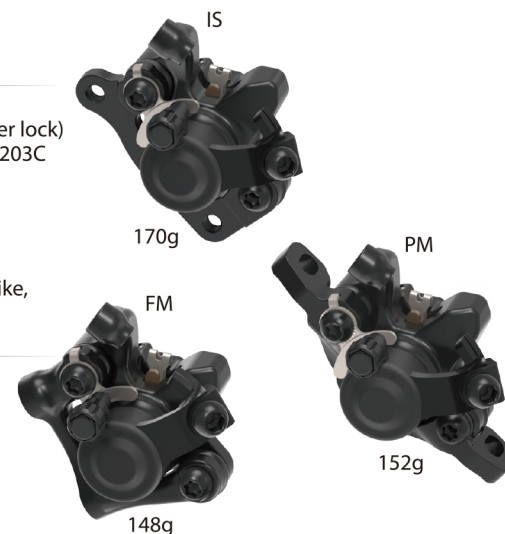
Perfect for : Road bike, Gravel Bike,  
Cycloross and  
STI lever bike

Finish : Black

Rotor : OD-140C

Optional OD-160C

Pad : Semi-metallic compound



Fork / R	IS-51			IS-51		PM-74		FM-70	FM-34	FM-70	FM-34
	Caliper	is mount		post mount		post mount		flat mount		post mount	
	rotor OD	front	rear	front	rear	front	rear	front	rear	front	rear
5"	140							F1	DM	F5	F7
	160							F1	F2	F6	
	140		DM(i1)								
6"	160	DM(i1)	DM(i2)		U2	DM	DM				
	180	DM(i2)		U3	U4	PM7	PM7				
	203			U5	U6	U3M+PM8	U3M+PM8				
	180					DM	DM				
7"	203					PM8	PM8				

DM=Direct Mount



# Mechanical Disc Brake

Single piston activation for peak stopping power "PSP"  
Non-binding groove proline cable routing that keeps the cable in-direct pull between the anchor bolt and the cable housing  
Window for driver easily inspect if pads have worn, clean and mud out

## MB 700

### Technical features

Compact, light weight, 1-piece aluminum forged caliper design  
Perfect for : MTB, URBAN

Weight : 166g

Finish : Black

Rotor : OD-160C (6-bolt or center lock)

Optional OD-180C / OD-203C

Pad : Semi-metallic compound



## MB 700T

### Technical features

Compact, light weight, 1-piece aluminum forged caliper design  
Perfect for : Road bike, Touring bike, Cyclocross bike  
and STI lever bike

Weight : 166g

Finish : Black

Rotor : OD-140L (6-bolt or center lock)

Optional OD-160L / OD-180L / OD-203L

Pad : Semi-metallic compound



## MB 600

### Technical features

2-piece uniform casting process design  
Perfect for : MTB, URBAN

Weight : 210g

Finish : Black

Rotor : OD-160C (6-bolt or center lock)

Optional OD-180C / OD-203C

Pad : Semi-metallic compound



## MB 845A

### Technical features

2-piece uniform casting process design  
Perfect for : MTB, URBAN, TRICYCLE, PEDICAB, E-BIKE

Weight : 218g

Finish : Black

Rotor : OD-160C

Optional OD-180C / OD-203C

Pad : Semi-metallic compound



## MB 500

### Technical features

2-piece uniform casting process design  
Perfect for : MTB, URBAN

Weight : 210g

Finish : Black

Rotor : OD-160C (6-bolt or center lock)

Optional OD-180C / OD-203C

Pad : Semi-metallic compound



## MB 845B

### Technical features

Special design for the right side mount  
2-piece uniform casting process design  
Perfect for : MTB, URBAN, TRICYCLE, PEDICAB, E-BIKE

Weight : 218g

Finish : Black

Rotor : OD-160C

Optional OD-180C / OD-203C

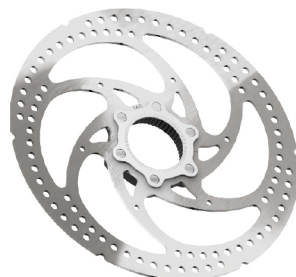
Pad : Semi-metallic compound





## ROTORS

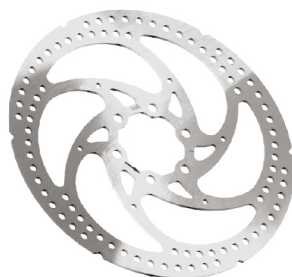
	Wave	6 (C)	12 (L)	6 (CC)	12 (LCB)
Rotor OD	Size	Weight	Weight	Weight	Weight
120mm	4"	90g	66g	126g	102g
140mm	5"	102g	86g	138g	122g
160mm	6"	136g	104g	172g	140g
180mm	7"	173g	134g	209g	170g
203mm	8"	225g	172g	261g	208g



Wave 6 (CC)



Wave 12 (LCB)



Wave 6 (C)

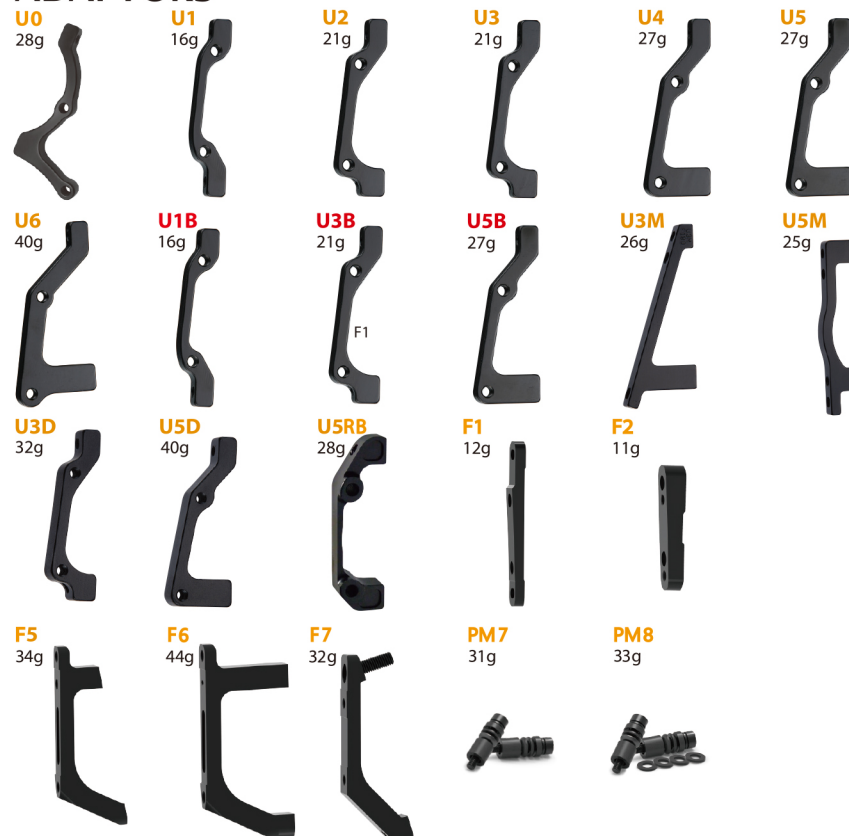


BR302



Wave 12 (L)

## ADAPTORS



### All series Bengal disc brake

Fork / R	IS-51		PM-74		IS-51 (20mm)	IS-51 (mirror)	FM-70	FM-34	FM-70	FM-34
Caliper	post mount		post mount		post mount		flat mount		post mount	
rotor OD	front	rear	front	rear	front	front/rear	front	rear	front	rear
5"	140						F1	DM	F5	F7
	160						F1	F2	F6	
	140	U0	U1							
6"	160	U1	U2	DM	DM	U1B				
	180	U3	U4	U3M/PM7	U3M/PM7	U3D	U3B			
	203	U5	U6	U5M	U5M	U5D	U5B			
	180			DM	DM					
7"	200			PM7	PM7					
	203			PM8	PM8					

DM=Direct Mount

U5RB / Rockshox Boxxer IS mount