

evolution towards lightness



Mixmaster



FCS

**LIGHTWEIGHT
PERFORMANCE
COMPACT ITALIAN DESIGN**

FEATURES

The premiere XC race disc brake on the market today. As the lightest MTB disc brake ever made, **the R1** delivers top-level power and performance. If the stock weight of **277g** is not light enough, some custom tuning will drop another 16 grams. Even at this low weight, **the R1** generates more than enough power for All Mountain or Enduro use. The forged master cylinder body and caliper provide increased modulation, braking power and durability, while **the R1's** patented caliper piston system increases fluid capacity in the caliper, further increasing performance under heavy use.

New for 2011: upgrade your brakes with our new FCS (feeling control system) and instant reach adjustment. Parts only available from a Formula dealer.



Instant reach adjustment



Feeling Control System

MASTER CYLINDER

- Forged radial master cylinder (M/C)
- Patent-pending high capacity, integrated reservoir.
- Removable handlebar clamp.
- Flip-flop master cylinder assembly.
- Dual M/C bleed ports for easy on-the-bike bleeds.
- Aluminum forged lever blade (carbon option).
- Laser etched logo.

SPECIFICATIONS

M/C body:	Anodized matte black
Caliper body:	Anodized matte black
Lever blade:	Forged aluminum, anodized silver
Hose:	Braided grey: 100 cm / 165 cm
Rotor 1-piece:	160 mm / 180 mm / 203 mm
Brake-pad:	Organic, w/aluminum back plate
Mounting:	Standard PM 6"
Weight:	277 grams (PM - including 1000 mm hose, 160 mm rotor, complete hardware)



XL AM ENDURO FR DH

CALIPER

1-piece patent-pending forged caliper body with 22 mm pistons.

Post mount style caliper.

Aluminum backed brake pads for additional weight saving.

Top and bottom vented caliper body for maximum cooling and performance.

Patent-pending caliper cap / piston system aids in compact design and increased fluid capacity.

Laser etched logos.

Top loading pads simplify pad changes.

OPTIONS

Lever blade:	Carbon, saves 6 g.
Rotor 2-piece standard:	160 mm / 180 mm
Rotor and mounting bolts:	Titanium rotor bolts save 10 g
Rotor 2-piece centerlock:	160 mm / 180 mm
Mounting:	Adapters available for IS/PM; 160 mm / 180 mm / 203 mm
FCS	Red or gold available
Reach adjustment	Red or gold knob
Mixmaster	Available

POWER MODULATION

The lightest and most powerful DH brake on the market, at **307g**, nothing else is even close. **THE ONE's** patented forged caliper and over-size 24mm caliper pistons generate enormous stopping force. Designed as a DH race brake, the power, weight, modulation and adjustability of **THE ONE** have brought it international acclaim.

New for 2011: upgrade your brakes with our new FCS (feeling control system) and instant reach adjustment. Parts only available from a Formula dealer.



MASTER CYLINDER

Forged radial master cylinder (M/C)
Patent-pending high capacity, integrated reservoir.
Removable handlebar clamp.
Flip-flop master cylinder assembly.
Dual M/C bleed ports for easy on-the-bike bleeds.
Forged aluminum lever blade (carbon option).
Laser etched logos.

SPECIFICATIONS

M/C body:	Anodized gloss black
Caliper body:	Anodized gloss black
Lever blade:	Forged aluminum, anodized black
Hose:	Black: 100 cm / 165 cm
Rotor 1-piece:	160 mm / 180 mm / 203 mm
Brake-pad:	Sintered
Mounting:	Standard PM 6"
Weight:	307 grams (PM - including 1000 mm hose, 160 mm rotor, complete hardware)



Winner with 203mm disc.

FORMULA
THE ONE



**bike
TIPP**



XC AM **ENDURO** FR DH

CALIPER

Patent-pending forged one-piece post mount caliper.
Huge 24 mm caliper pistons for amazing power.
Top vented caliper allows for wheel on pad changes and eliminates overheating effects.
Bottom vented caliper pistons provide additional cooling.
Laser etched logos.
Top loading pads simplify pad changes.

OPTIONS

Lever blade:	Carbon, saves 6 g.
Rotor 2-piece standard:	160 mm / 180 mm
Rotor and mounting bolts:	Titanium rotor bolts save 10 g
Rotor 2-piece centerlock:	160 mm / 180 mm
Mounting:	Adapters available for IS/PM; 160 mm / 180 mm / 203 mm
FCS	Red or gold available
Reach adjustment	Red or gold knob
Mixmaster	Available



VALUE
PERFORMANCE
POWER

FEATURES

The perfect brake for any XC or All Mountain / Enduro application. **The RX** features a radial master cylinder that combines with a one-piece caliper equipped with 22mm diameter pistons. This translates into lots of power and modulation while leading the category at a low **351 grams**. **New for 2011:** upgrade your brakes with our new FCS (feeling control system), instant reach adjustment and Mixmaster. Parts only available from a Formula dealer.



MASTER CYLINDER

- Radial master cylinder (M/C).
- Patent-pending high capacity, integrated reservoir.
- Removable handlebar clamp.
- Flip-flop master cylinder assembly.
- Laser etched logos.

SPECIFICATIONS

M/C body:	Painted matte black / Gloss white
Caliper body:	Painted matte black / Gloss white
Lever:	High tensile strength casting, painted silver.
Hose:	Black: 100 cm / 165 cm
Rotor 1-piece:	160 mm / 180 mm / 203 mm
Brake-pad:	Organic
Mounting:	Standard PM 6"
Weight:	351 grams (PM - including 1000 mm, hose, 160 mm rotor, complete hardware)



Winner with 203mm disc.



XC **AM** **ENDURO** **FR** **DH**

CALIPER

1-piece caliper body with 22 mm pistons.

Post mount style w/adaptors.

Top and bottom vented caliper body.

Laser etched logo.

Top loading pads simplify pad changes.

OPTIONS

Rotor 2-piece standard:	160 mm / 180 mm
Rotor and mounting bolts:	Titanium rotor bolts save 10 g
Rotor 2-piece centerlock:	160 mm / 180 mm
Mounting:	Adaptors available for IS/PM; 160 mm, 180 mm, 203 mm
FCS	Red or gold available
Reach adjustment	Red or gold knob
Mixmaster	Available

FORMULA

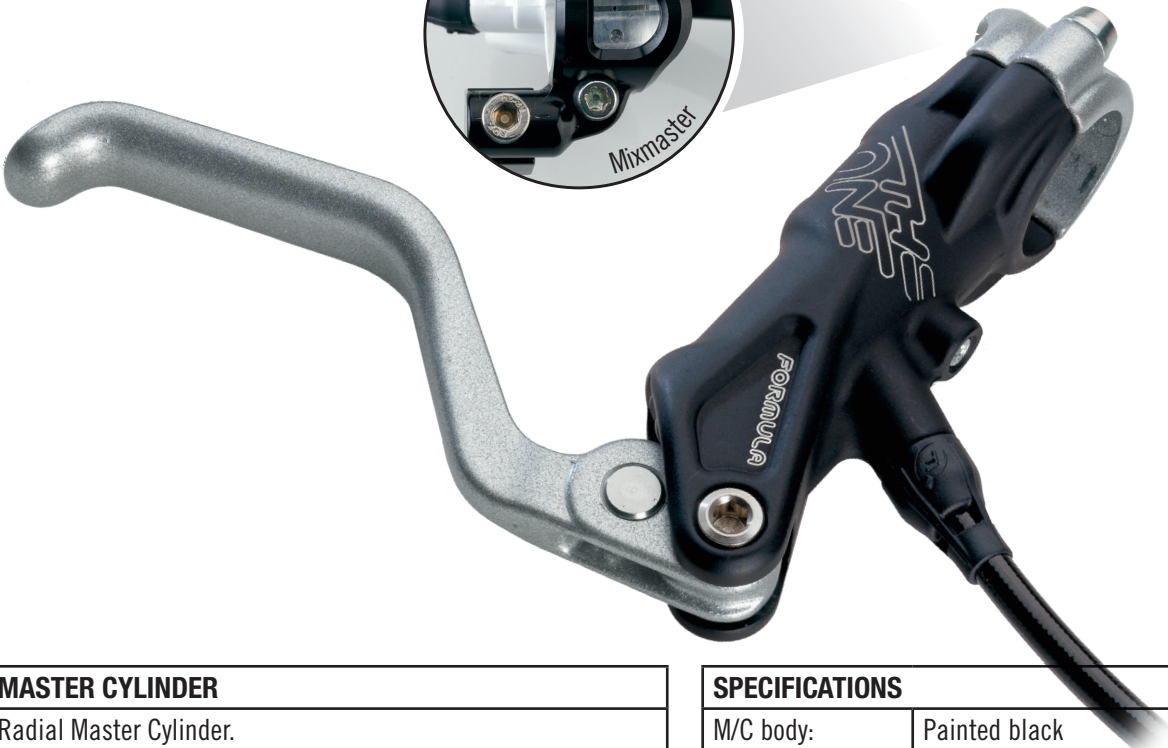
THE ONEFR

POWER
MODULATION
VALUE

FEATURES

TheONEFR (freeride) copies the top features of its older brother while maintaining a value price. Our patented forged caliper with its large 24 mm pistons, provides the same stopping power and modulation, while radial one-piece cast master cylinder keeps the weight down.

New for 2011: upgrade your brakes with our new FCS (feeling control system), instant reach adjustment and Mixmaster. Parts only available from a Formula dealer.



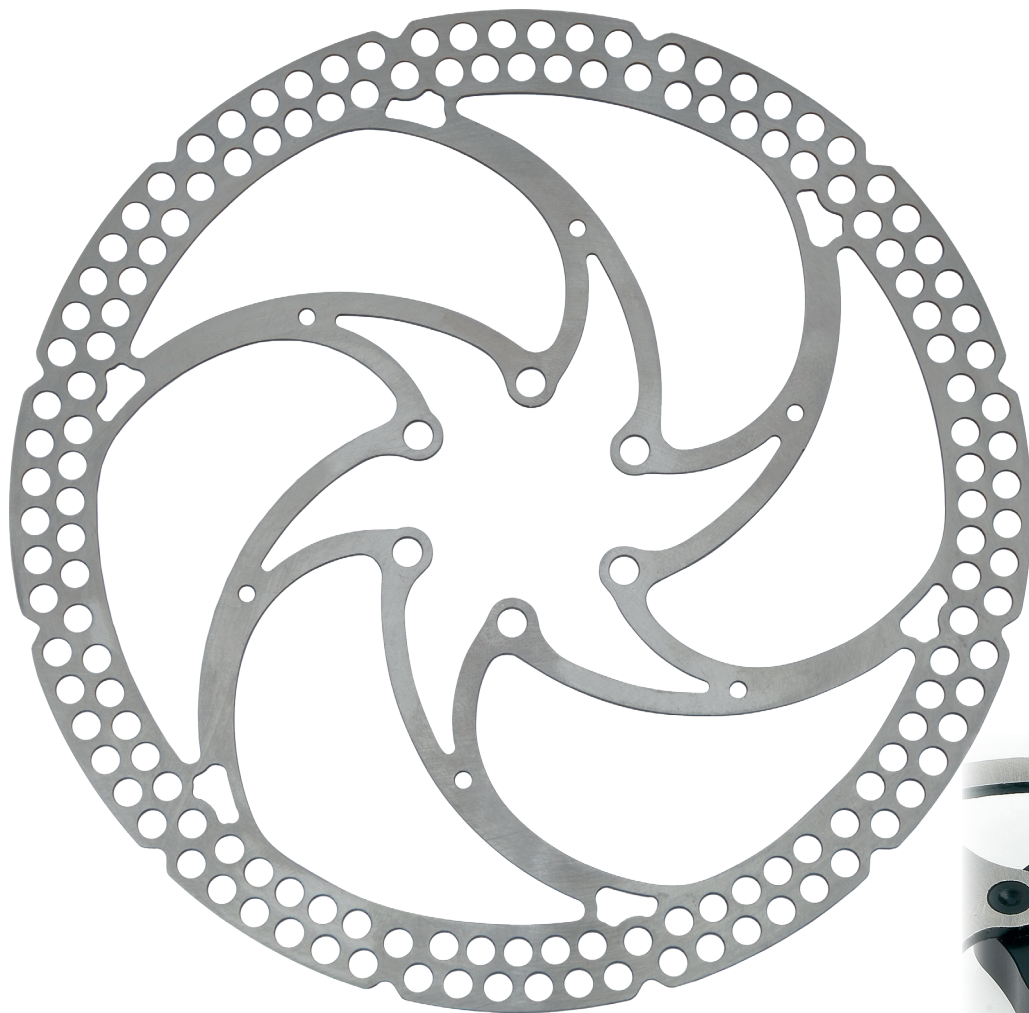
MASTER CYLINDER
Radial Master Cylinder.
Patent-pending high capacity, integrated reservoir.
Removable handlebar clamp.
Flip-flop master cylinder assembly.
Laser etched logo.

SPECIFICATIONS	
M/C body:	Painted black
Caliper body:	Anodized matte black
Lever blade:	High tensile strength casting, painted silver
Hose:	Black: 100 cm / 165 cm
Rotor 1-piece:	160 mm / 180 mm / 203 mm
Brake-pad:	Sintered
Mounting:	Standard PM 6"
Weight:	346 grams (PM - including 1000 mm hose, 160 mm rotor, complete hardware)



CALIPER
Patent-pending forged 1-piece post mount caliper.
Huge 24 mm caliper pistons for amazing power.
Top vented caliper allows for wheel on pad changes and eliminates overheating effects.
Bottom vented caliper pistons provide additional cooling.
Laser etched logo.
Top loading pads simplify pad changes.

OPTIONS	
Rotor 2-piece standard:	160 mm / 180 mm
Rotor and mounting bolts:	Titanium rotor bolts save 10 g
Rotor 2-piece centerlock:	160 mm / 180 mm
Mounting:	Adapters available for IS/PM; 160 mm, 180 mm, 203 mm
FCS	Red or gold available
Reach adjustment	Red or gold knob
Mixmaster	Available



DISC BRAKE DIAMETER

1-Piece Rotor [all brakes]

Stainless steel

Diameter [mm]	160	180	203
Weight [grams]	87	121	160



DISC BRAKE DIAMETER

1-Piece Rotor [all brakes] centerlock rotor

Stainless steel

Diameter [mm]	160	180	203
Weight [grams]	104	138	178



DISC BRAKE DIAMETER

2-Piece Rotor [all brakes]

Stainless steel / aluminium

Diameter [mm]	160	180
Weight [gram]	95	115

DISC BRAKE DIAMETER

2-Piece Rotor [all brakes] centerlock rotor

Stainless steel / aluminium

Diameter [mm]	160	180
Weight [gram]	107	127

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