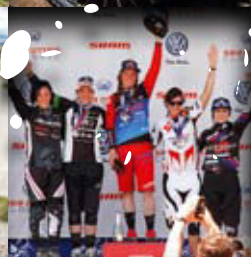
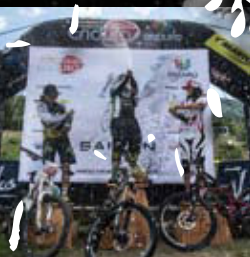




STOP

DROP

ROLL



FORMULA
Power, Technology, Design.

BRAKES

SUSPENSION

WHEELS



products 2014



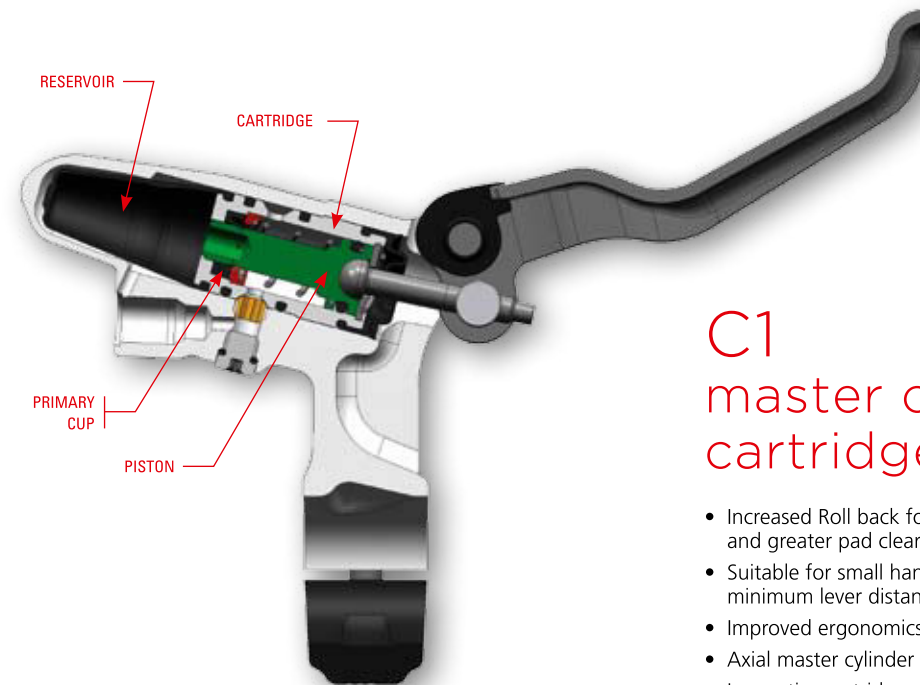
High expectations: 2014 STOP with confidence

Formula introduces two new brakes in 2014 featuring the newest in innovative technology. Known for more than 25 years for our forward thinking design, we are proud to introduce the Cartridge System in our new C1 brake as well as the Pull Master Cylinder in our new top of the line R1 Racing brake.

Paired with our proven Enhanced Caliper Technology Formula brakes are once more the top of the line choice when it comes to power, technology and design.

R1 Racing pull master cylinder technology

- Piston is pulled instead of pushed through the bore resulting in less friction and more durability.
- Compact design improves ergonomics & kinematics.
- New body design drops weight by more than 15g.
- High volume reservoir with composite cap.

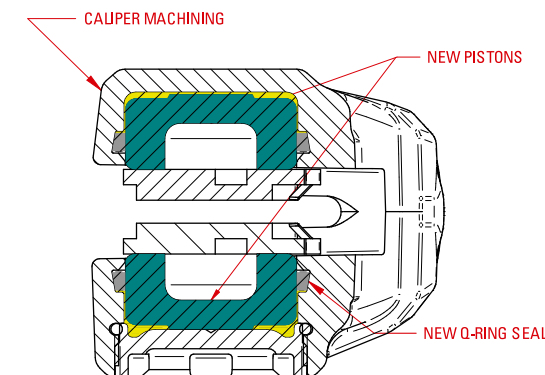


C1 master cylinder cartridge technology

- Increased Roll back for easier mounting and greater pad clearance.
- Suitable for small hands thanks to a reduced minimum lever distance from the handlebar.
- Improved ergonomics.
- Axial master cylinder for a more progressive feel.
- Innovative cartridge system for easy maintenance and long life.
- Increased hydraulic ratio: more power and responsiveness.

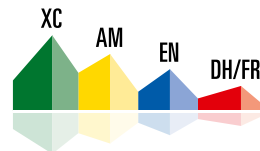
Proven ECT Enhanced Caliper Technology

- Increased rollback of the brake pads.
- Easy rub-free brake installation.



RAC1NG

the world's lightest disc brake



NEW

Pull Master Cylinder



FCS



SpeedLock



MixMaster



Feeling Control System

FEATURES



ECT Enhanced Caliper Technology

Formula's **R1 Racing** once again redefines ultra light disc brakes for 2014 with its revolutionary **new pull master cylinder**. With titanium hardware, kevlar braided hose, and composite reservoir cap dropping the weight to 267g, the **R1 Racing** is the lightest disc brake in the market.

MASTER CYLINDER

- Forged radial pull master cylinder
- Removable handlebar clamp
- Flip-flop master cylinder
- Composite reservoir cap
- Hard anodized master cylinder piston
- High capacity reservoir
- Laser etched logos

CALIPER

- Forged one-piece caliper with 22 mm pistons
- Top and bottom vented caliper body for maximum cooling and performance
- Top loading pads simplify pad changes
- Laser etched logos
- ECT: Enhanced Caliper Technology
 - Increased pad roll back (simplifying installation)
 - Increased fluid capacity

SPECIFICATION

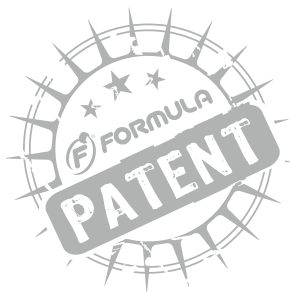
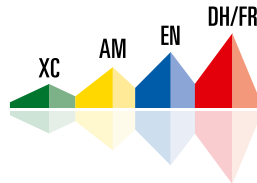
MC body	Polished and anodized
Caliper body	Polished and anodized with black cap
Lever blade	Forged aluminum lever blade
Hose	Kevlar: 100cm front / 165cm rear
Brake pads	Semi-metallic w / Aluminum back plate
Mounting	PM6"
Hardware	Titanium
Weight	267g (85cm hose, 160mm 1-piece rotor and mounting hardware)

OPTION

1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
FCS	Feeling Control System. Available in red, black and gold
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect - mount to caliper, master cylinder, or inline - red, black and gold

RO

ultimate power



FCS



SpeedLock



Tool Free Reach Adjust



MixMaster



Feeling Control System

FEATURES

Formula's no nonsense DH brake, the **RO** combines the greatest stopping power with the elegant looks of Italian design. The oval piston technology allows for a compact caliper design while increasing the piston size compared to the T1 by 15%. The **RO** sets the standard for brake power.

MASTER CYLINDER

Forged "semi" radial master cylinder improves ergonomics and lever ratio

High capacity reservoir

Removable handlebar clamp

Flip-flop master cylinder

Forged lever blade with integrated TFRA (Tool Free Reach Adjust)

Hard anodized master cylinder piston

Laser etched logos

CALIPER

Forged one-piece caliper with 24 x 25.4mm pistons

Unique Oval Piston Technology

Top and bottom vented caliper body for maximum cooling and performance

Top loading pads simplify pad changes

Laser etched logos

ECT: Enhanced Caliper Technology
- Increased pad roll back (simplifying installation)
- Increased fluid capacity

SPECIFICATION

MC body	Polished and anodized
Caliper body	Polished and anodized with black cap
Lever blade	Forged aluminum, anodized gloss black
FCS	Feeling Control System - black
TFRA	Tool Free Reach Adjust - integrated into lever
Hose	Black: 100cm front / 165cm rear
Brake pads	Sintered compound
Mounting	PM6"
Weight	360g (85cm hose, 160mm 1-piece rotor and mounting hardware)

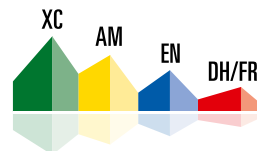
OPTION

Lever blade	Carbon - 6g less than aluminium
1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Hardware	Titanium caliper and rotor bolts - 10g less than steel
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect - mount to caliper, master cylinder or inline - red, black and gold

ECT Enhanced Caliper Technology

R1

top performance



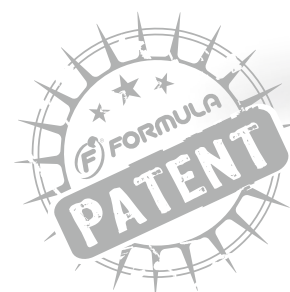
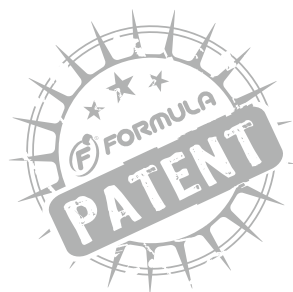
FEATURES

Formula's flagship, the **R1** sets the standard for XC and All-Mountain brakes. Despite its low weight, it delivers amazing enduro worthy stopping power for All Mountain and 29er applications.

MASTER CYLINDER	CALIPER
Forged radial master cylinder	Forged one-piece caliper with 22mm pistons
Removable handlebar clamp	Top and bottom vented caliper body for maximum cooling and performance
Flip-flop master cylinder	Top loading pads simplify pad changes
Forged lever blade with integrated TFRA (Tool Free Reach Adjust)	Laser etched logos
Hard anodized master cylinder piston	ECT: Enhanced Caliper Technology - Increased pad roll back (simplifying installation) - Increased fluid capacity
High capacity fluid reservoir	
Laser etched logos	

SPECIFICATION	
MC body	Anodized gloss black
Caliper body	Anodized gloss black with red cap
Lever blade	Forged aluminum, anodized gloss black
TFRA	Tool Free Reach Adjust - integrated into lever
Hose	Black: 100cm front / 165cm rear
Brake pads	Semi-metallic w/ Aluminum back plate
Mounting	PM6"
Weight	296g (85cm hose, 160mm 1-piece rotor and mounting hardware)

OPTION	
Lever blade	Carbon - 6g less than aluminium
1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Hardware	Titanium caliper and rotor bolts - 10g less than steel
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
FCS	Feeling Control System Available in red, black and gold
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect - mount to caliper, master cylinder or inline - red, black and gold



FCS



SpeedLock



Tool Free Reach Adjust



MixMaster

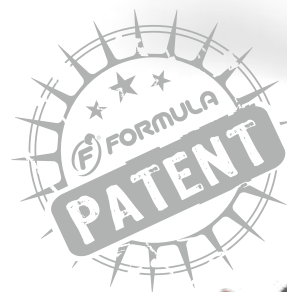
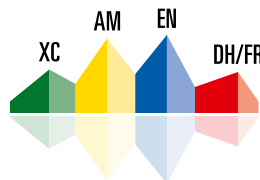
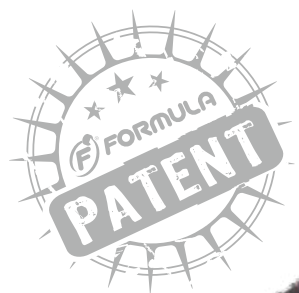


Feeling Control System

ECT Enhanced Caliper Technology

T1

most versatile



ECT Enhanced Caliper Technology

FEATURES

Formula's **T1** has garnered a worldwide reputation as the best in its class. Bike Tipp™, Best of MTBR and many other accolades have been bestowed upon the **T1**.

MASTER CYLINDER

Forged radial master cylinder

Removable handlebar clamp

Flip-flop master cylinder

Forged lever blade with integrated TFRA (Tool Free Reach Adjust)

Hard anodized master cylinder piston

High capacity fluid reservoir

Laser etched logos

CALIPER

Redesigned caliper body with improved hose routing

3D forged one-piece caliper body with 24mm pistons

Top and bottom vented caliper body for maximum cooling and performance

Top loading pads simplify pad changes

Laser etched logos

ECT: Enhanced Caliper Technology
- Increased pad roll back (simplifying installation)
- Increased fluid capacity

SPECIFICATION

MC body	Anodized gloss black
Caliper body	Anodized gloss black with gold cap
Lever blade	Forged aluminum, anodized gloss black
FCS	Feeling Control System - gold
TFRA	Tool Free Reach Adjust - integrated into lever
Hose	Black: 100cm front / 165cm rear
Brake pads	Sintered compound
Mounting	PM6"
Weight	335g (85cm hose, 160mm 1-piece rotor and mounting hardware)

OPTION

Lever blade	Carbon - 6g less than aluminum
1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Hardware	Titanium caliper and rotor bolts - 10g less than steel
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect - mount to caliper, master cylinder or inline - red, black and gold



FCS



SpeedLock



Tool Free Reach Adjust

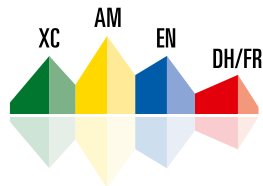
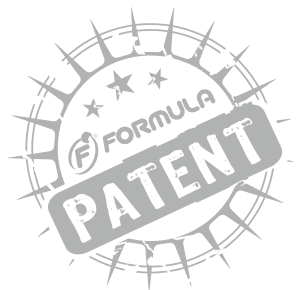


MixMaster





best value



FEATURES

Formula's **RX** is a perfect all-rounder at a great price. This brake steps ahead of the competition with its new standard features: FCS and TFRA making it a great value with exceptional performance.

MASTER CYLINDER

- High capacity reservoir
- Removable handlebar clamp
- Flip-flop master cylinder
- Hard anodized master cylinder piston
- Laser etched logos

CALIPER

- One-piece caliper with 22mm pistons
- Top and bottom vented caliper body for maximum cooling and performance
- Top loading pads simplify pad changes
- Laser etched logos
- ECT: Enhanced Caliper Technology
 - Increased pad roll back (simplifying installation)
 - Increased fluid capacity

SPECIFICATION

MC body	Painted gloss black
Caliper body	Painted gloss black with red cap
Lever blade	Forged Aluminium, anodized matte black
Hose	Black: 100cm front / 165cm rear
FCS	Feeling Control System Available in red
TFRA	Tool Free Reach Adjust - Forged aluminum lever blade w/ integrated red dial
Brake pads	Semi-metallic compound
Mounting	PM6"
Weight	337g (85cm hose, 160mm 1-piece rotor and mounting hardware)

OPTION

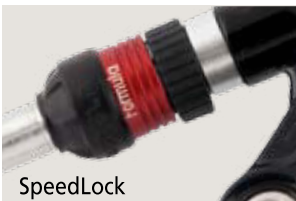
1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Hardware	Titanium caliper and rotor bolts - 10g less than steel
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect - mount to caliper, master cylinder or inline - red, black and gold



ECT Enhanced Caliper Technology



FCS



SpeedLock



Tool Free Reach Adjust

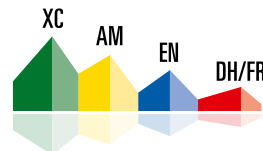


MixMaster





the performer



NEW

FEATURES

The Formula **C1** is new for 2014. This versatile brake, with Formula's new **cartridge technology**, is easy to maintain and provides great performance and value at a weight below 346g.

MASTER CYLINDER

MCCT: Master Cylinder Cartridge Technology

High capacity reservoir

Removable handlebar clamp

Flip-flop master cylinder

Hard anodized master cylinder piston

Laser etched logos

CALIPER

One-piece post mount caliper body with 22mm pistons

Top and bottom vented caliper body for maximum cooling and performance

Top loading pads simplify pad changes

Laser etched logos

ECT: Enhanced Caliper Technology
- Increased pad roll back (simplifying installation)
- Increased fluid capacity

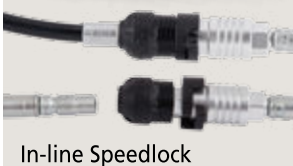
SPECIFICATION

MC body	Painted gloss black / white
Caliper body	Painted gloss black with silver cap Painted gloss white with black cap
Lever blade	Aluminum anodized gloss black (black MC) Aluminum anodized matte black (white MC)
Hose	Black: 100cm front / 165cm rear
Brake pads	Semi-metallic compound
Mounting	PM6"
Weight	337g (85cm hose, 160mm 1-piece rotor and mounting hardware)

OPTION

1-piece rotor 6 bolt IS or Center Lock	160mm / 180mm / 203mm
2-piece rotor 6 bolt IS	Red or black - 140mm / 160mm / 180mm / 203mm
2-piece rotor center lock	Red or black - 160mm / 180mm
Hardware	Titanium caliper and rotor bolts - 10g less than steel
Adapters	IS and PM: 140mm / 160mm / 180mm / 203mm
MixMaster	Custom shifter mounting perch for SRAM shifters
SpeedLock	Hose quick connect inline - red, black and gold

ECT Enhanced Caliper Technology

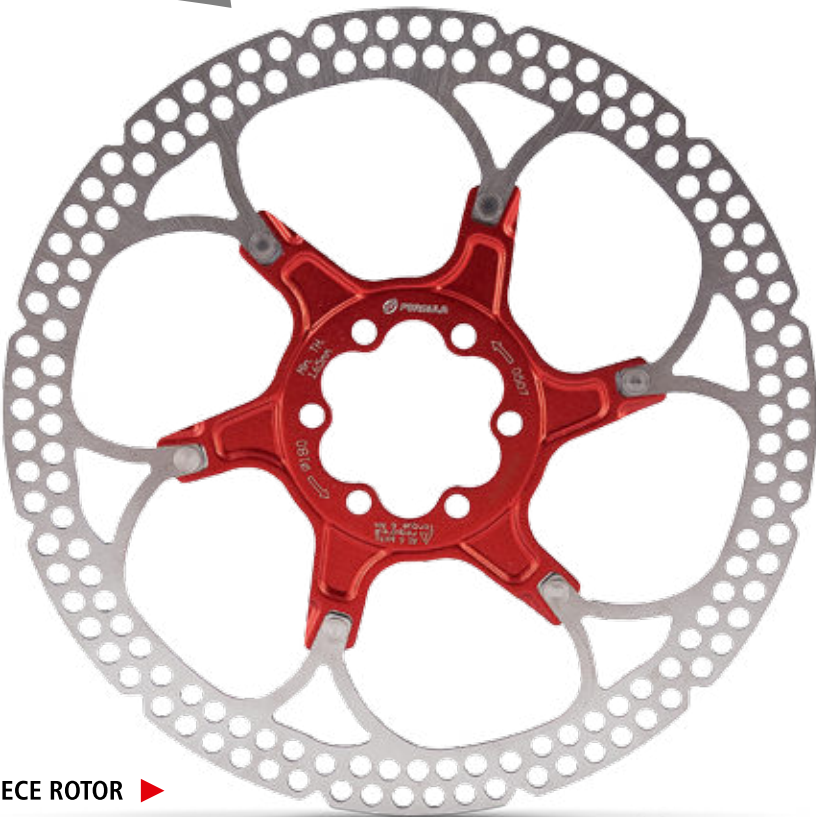


In-line Speedlock



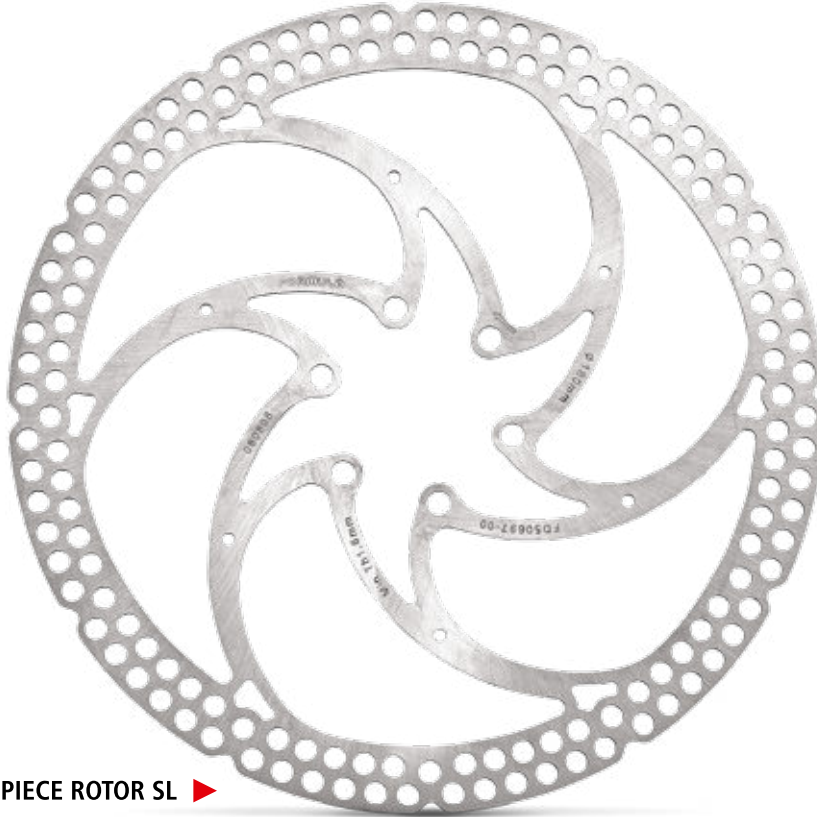
MixMaster

ROTORS



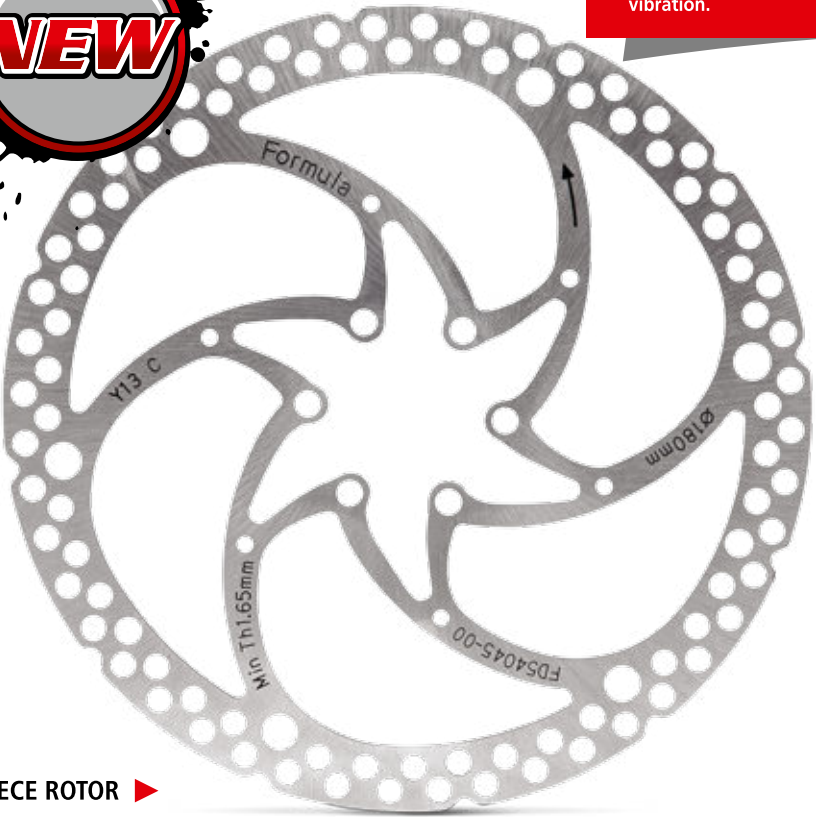
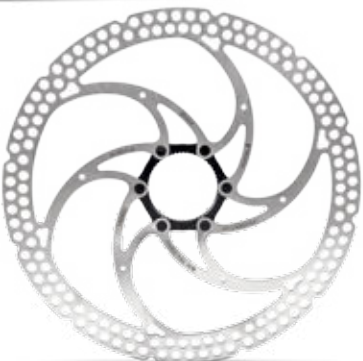
2-PIECE ROTOR ▶

ROTOR DIAMETER				
2-PIECE ROTOR				
Aluminium Carrier 6 holes				
Diameter (mm)	140	160	180	203
Weight (grams)	78	95	115	139
Aluminium Carrier Center Lock				
Diameter (mm)	160	180		
Weight (grams)	105	123		



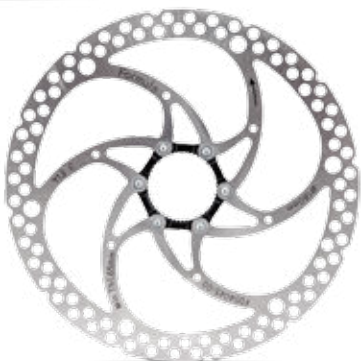
1-PIECE ROTOR SL ▶

ROTOR DIAMETER				
1-PIECE ROTOR SL				
Stainless Steel				
Diameter (mm)	160	180	203	
Weight (grams)	87	123	157	
Stainless Steel w/Center Lock				
Diameter (mm)	160	180	203	
Weight (grams)	106	141	176	



1-PIECE ROTOR ▶

ROTOR DIAMETER				
1-PIECE ROTOR				
Stainless Steel				
Diameter (mm)	160	180		
Weight (grams)	101	126		
Stainless Steel w/Center Lock				
Diameter (mm)	160	180		
Weight (grams)	120	145		



- New design.
- Lateral stiffness increased by 40%.
- Heat exchange increased.
- The increased lateral stiffness reduces noise vibration.

OPTIONS

FCS (FEELING CONTROL SYSTEM)

The **FCS** valve is available for all 2014 FORMULA brakes (except on C1 and standard on RO, T1, and RX). It allows for an adjustment of the lever's contact-point (free-throw) to suit the rider's personal preference and ergonomic needs. The **FCS** is available in anodized **red, gold** or **black**.

LEVER INTEGRATED TFRA (Tool Free Reach Adjust)

Standard on the R1, T1, RO, and RX (not available on C1), this easy to use feature allows a tool-free adjustment of the lever reach (resting position) to suit the rider's personal preference. The **TFRA** adjustment knob is integrated into the lever for increased durability and is available in anodized **red, gold, or silver**. The **TFRA** lever blade has the same ergonomics as the standard lever blade.

BRAKE ROTORS WITH ALUMINIUM SPIDERS

Optional for all 2014 FORMULA brakes are our two-piece rotors with aluminum spiders. These brake rotors are available for both centerlock (160 & 180mm only) and 6 bolt pattern in 140mm, 160mm, 180mm, and 203mm. The FORMULA Centerlock adapter is available to install our one-piece rotor to a Centerlock hub. Available colors are **black** and **red**.

MIXMASTER

Optional for all 2014 FORMULA brakes, the **MixMaster** clamp allows direct integration of various shifters to the brake for better ergonomics and a clean look on your handlebar.

SPEED LOCK

The **SpeedLock** is the revolutionary feature for your brake hose. An easy click connects and disconnects the hose from caliper or master cylinder - without losing a drop of brake fluid it makes internal hose routing an easy task.

This feature is available in three options and four colors (black, gold, and red) and can be used on all Formula brakes.

THREE VERSIONS AVAILABLE:

A) In-line

B) At the caliper

C) At the master cylinder



In-line



At the caliper



At the master cylinder

FORMULA recommends to use **Shell Donax DOT 4 ULTRA** Brake Fluid.



Formula now utilizes radial and axial master cylinder bodies and one piece calipers for 2014.

Our patented master cylinder piston design allows us to design a compact, lightweight, and very powerful brake. With the primary cup fixed to the master cylinder body we supply you with a very durable master cylinder compared to conventional designs.

Formula brakes are easy to customize with our upgrade options:

- FCS - Feeling Control System.
- TFRA - Tool Free Reach Adjust.
- MixMaster - shifter perch.
- SpeedLock - hydraulic quick connect.
- Titanium Hardware.
- Carbon Lever Blade.

DOT 4 BRAKE FLUID

All Formula brakes are designed for use with DOT 4 fluid. DOT 4 has a higher boiling point than mineral oil and is less hygroscopic than DOT 5.1 and therefore increases fade resistance. DOT 4 is safe on all Formula seals and aluminum parts.



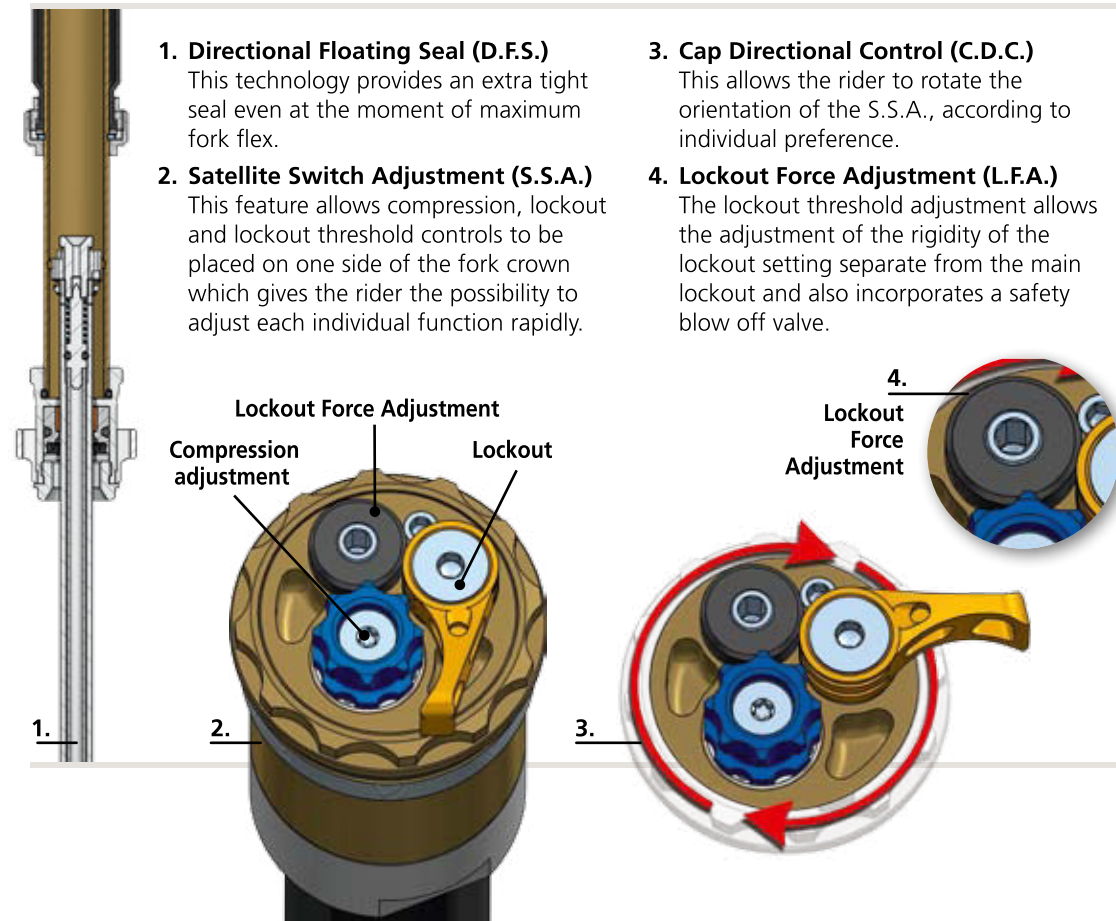
Credit photo: Tim Bardsley-Smith



New Generation of Suspension FORKS DROP-In cartridge system



INNOVATIVE FEATURES OF THE THIRTYFIVE



FORMULA
THIRTYTHREE

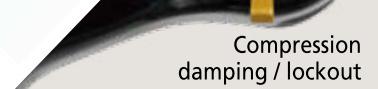
26" QR9 / 26" 15QR



Air adjustment



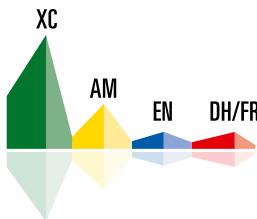
Remote lockout



Compression
damping / lockout



Rebound
adjustment



FEATURES

Formula's **THIRTYTHREE** line of suspension forks was developed with World Championship experience on the roughest and fastest XC courses on the globe. The **THIRTYTHREE** forks feature custom developed low-friction polymeric bushings to ensure buttery smooth function and minimize the impact of excessive seal friction found in many air spring forks.

Compression and rebound damping adjustments allow for precise setup. Our unique lockout with integrated blow-off threshold allows you to custom tune your **THIRTYTHREE** to fit your specific needs.

WEIGHTS 26" QR9 (a)

straight steerer 1 1/8"	1443 g (b)
tapered steerer 1 1/8" - 1.5"	1477 g (b)

WEIGHTS 26" 15TA

straight steerer 1 1/8"	1517 g (b)
tapered steerer 1 1/8" - 1.5"	1551 g (b)

(a) 27.5" compatible: 696 maximum wheel diameter.
(b) with steerer tube.

SPECIFICATION

- 33mm hard anodized 7000 aluminum stanchions
- Magnesium lowers w/ PM6 brake mount
- FORMULA control closed cartridge damping
7 adjustments + 2 lockout settings
- FORMULA rebound - 18 adjustments
- Air spring w/ Dual Coil Technology
- HPV (high-pressure valve): blow off valve prevents damage when fork is locked out
- Polymeric bushings offer low weight and less friction
- Lock Out: crown mounted standard or remote option
- ILS (Integrated Locking System): tool free 15QR axles
- Travel: 26" 85-120mm

COLOR

Black
White

15TA	55 g
QR (for 15TA)	26 g
Remote Lockout in option	90 g

FORMULA
THIRTYFIVE 35

27.5" / 29" 15QR



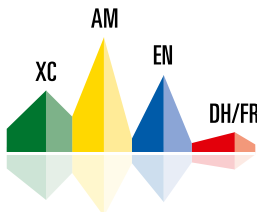
Air adjustment



Compression
damping / lockout



Rebound adjustment



FEATURES

The **THIRTYFIVE** fork drops onto the trail with a new self contained damping cartridge.

In the shop the **THIRTYFIVE**'s cartridge system is serviceable without the need to remove the fork from the bike making routine maintenance quick and easy.

On the trail the Satellite Switch Adjustment (S.S.A.) keeps your controls in one place making for easy on the fly tuning of compression, lockout and lockout threshold. With the perfect travel options, rebound and an air spring round out the **THIRTYFIVE**'s adjustments.

WEIGHTS 27.5"

tapered steerer 1 1/8" - 1.5"	1650 g ^(b)
-------------------------------	-----------------------

WEIGHTS 29"

tapered steerer 1 1/8" - 1.5"	1700 g ^(b)
-------------------------------	-----------------------

^(b) with steerer tube.

SPECIFICATION

- 35mm hard anodized 7000 aluminum stanchions
- Magnesium lowers w/ PM6 brake mount
- Easy removable damping cartridge with lockout, lockout threshold, and compression adjustment
- FORMULA rebound
- Air spring w/ Dual Coil Technology
- HPV (high-pressure valve): blow off valve prevents damage when fork is locked out
- Low friction polymeric bushings
- Tapered steerer and 15TA axle
- Lock Out: crown mounted standard or handlebar mounted remote lockout
- Travel 27.5": 100 - 160mm
 29": 100 - 140mm

COLOR

Black
White

15TA	55 g
QR (for 15TA)	26 g
Hydraulic Remote Lockout in option	70 g

New generation of WHEELS ROLL in style



External Bearing Technology: rear hub's load carrying cartridge bearing located outboard of the freehub body for increased durability and load distribution.

Scandium rims for increased strength and durability and for decreased rotational weight.

I.S. 6 bolt rotor interface.

XC HUBS:

- Front: QR9 or 15TA.
- Rear: QR9 or 12x142 w/ External Bearing Technology.
- Four cartridge bearings.

AM HUBS:

- Front: QR9, 15TA, or 20TA.
- Oversized cartridge bearings.
- Rear: QR9 or 12x142.
- Needle bearings and oversized cartridge bearings.





XC HYPERLIGHT



FRONT HUB



REAR HUB

FEATURES

Formula is proud to offer the **XC HYPERLIGHT 26"** tubular race wheelset. The weight, stiffness, and responsiveness of this wheelset is changing the world of XC racing. Carbon rims combined with our lightweight 3D forged hubs drop the weight to only 1191g. Accelerating away from your competition has never been easier.

WEIGHTS 26"

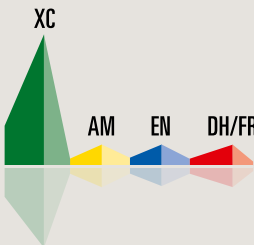
Front QR9	530 g
Front 15TA	510 g
Rear QR9	681 g
Rear X12 TA	660 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross with alloy nipples
- 3K Carbon Tubular Rim
- CNC machined and anodized 7000 aluminum hub
- Ultra-light CNC machined and anodized 4-pawl freehub body
- External Bearing Technology: Rear hub's load carrying cartridge bearing located outboard of freehub body for increased durability and load distribution
- Front axle options: QR9 or 15TA
- Rear axle: QR9 or 12/142 (X12 TA)
- QR9 Skewers: Titanium - front: 32g / rear: 34g
- Recommended tire size: 1.8" - 2.25"
- XD-Driver Free Hub Body
- Shimano Free Hub Body

COLOR

Hub	Black
Rim	Carbon



VOLVO

XC SUPERLIGHT 26"

FORMULA
Power, Technology, Design.



FRONT HUB



REAR HUB

FEATURES

THE ULTIMATE NO EXCUSE XC RACE WHEELSET.

Utilizing a 17mm wide scandium rim, straight-pull aero spokes, alloy nipples and feature rich hubs.

XC SUPERLIGHT wheels are light, fast, responsive, and the ideal upgrade for any rider looking to fly.

WEIGHTS 26"

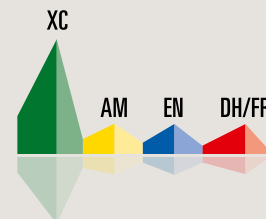
Front QR9	599 g
Front 15TA	579 g
Rear QR9	764 g

SPECIFICATION

- 24 straight pull aero spokes laced 2 cross with alloy nipples
- 17mm Scandium rim
- 3D forged and anodized 7000 aluminum hub
- Ultra-light 3D forged and anodized 4-pawl freehub body
- External Bearing Technology: Rear hub's load carrying cartridge bearing located outboard of freehub body for increased durability and load distribution
- Front axle options: QR9 or 15TA
- Rear axle: QR9
- QR9 Skewers: Titanium - front: 32g / rear: 34g
- Recommended tire size: 1.0" - 2.2"
- Shimano Free Hub Body

COLOR

Hub	Red
Rim	Black - Bead Blasted



VOLVO

FORMULA
Power, Technology, Design.

XC SUPERLIGHT 27.5" / 29"

NEW
27.5"



FRONT HUB



REAR HUB

FEATURES

THE ULTIMATE NO EXCUSE XC RACE WHEELSET.

A 17mm wide scandium rim, straight-pull bladed spokes, alloy nipples and feature rich hubs.

XC SUPERLIGHT wheels are light, fast, responsive, and the ideal upgrade for any rider looking to fly.

WEIGHTS 27.5"

Front QR9	536 g
Front 15TA	616 g
Rear QR9	808 g
Rear X12 TA	787 g

WEIGHTS 29"

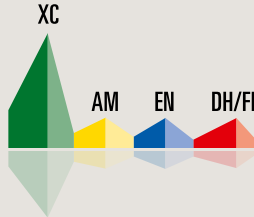
Front QR9	650 g
Front 15TA	630 g
Rear QR9	814 g
Rear X12 TA	793 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross with alloy nipples
- 17mm Scandium rim
- CNC machined and anodized 7000 aluminum hub
- Ultra-light CNC machined and anodized 4-pawl freehub body
- External Bearing Technology: Rear hub's load carrying cartridge bearing located outboard of freehub body for increased durability and load distribution
- Front axle options: QR9 or 15TA
- Rear axle: QR9 or 12/142 (X12 TA)
- QR9 Skewers: Titanium - front: 32g / rear: 34g
- Recommended tire size: 1.0" - 2.2"
- XD-Driver Free Hub Body
- Shimano Free Hub Body

COLOR

Hub	Black
Rim	Black - Bead Blasted



VOLO[®]

FORMULA
Power, Technology, Design.

XC LIGHT 26" / 27.5" / 29"

NEW
27.5"



FRONT HUB



REAR HUB

FEATURES

With fast growing demand of 29er trail bikes the need for a stiffer, durable, and reliable wheelset that doesn't come with big weight penalties became obvious.

Formula delivers with the VOLO XC LIGHT 29" wheelset. 21mm inner width scandium rims a stiffness to weight ratio that exceeds all other non carbon rimmed wheels. With the same feature rich hubs found on the rest of our XC wheel lineup, this wheelset is designed as much for bombing down the trails as it is for flying up.

The **VOLO XC LIGHT** is also available in 26", 27.5" and 29".

WEIGHTS 26"

Front QR9	673 g
Front 15TA	652 g
Rear QR9	858 g
Rear X12 TA	837 g

WEIGHTS 27.5"

Front QR9	709 g
Front 15TA	689 g
Rear QR9	871 g
Rear X12 TA	850 g

WEIGHTS 29"

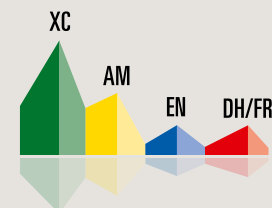
Front QR9	721 g
Front 15TA	701 g
Rear QR9	884 g
Rear X12 TA	863 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross with alloy nipples
- 21mm Scandium rim
- CNC machined and anodized 7000 aluminum hub
- Ultra-light CNC machined and anodized 4-pawl freehub body
- External Bearing Technology: Rear hub's load carrying cartridge bearing located outboard of freehub body for increased durability and load distribution
- Front axle options: QR9 or 15TA
- Rear axle: QR9 or 12/142 (X12 TA)
- QR9 Skewers: Titanium - front: 32g / rear: 34g
- Recommended tire size: 1.5" - 2.5"
- XD-Driver Free Hub Body
- Shimano Free Hub Body

COLOR

Hub	Black
Rim	Champagne - Bead blasted





AM LIGHT 26" / 27.5" / 29"



FRONT HUB



REAR HUB

FEATURES

With the **VOLO All-Mountain Light**, Formula completes its product range of light weight competition wheel sets. The front wheel is equipped with a CNC machined oversized and "Formula Triple Axle Technology." that easily adjusts to varying standards - QR9, 15TA and 20TA. The rear wheel features X12 axle and external bearing technology for exceptional strength. At just 1673 grams these wheels easily climb and tackle any obstacle on the way down.

WEIGHTS 26"

Front QR9	788 g
Front 15TA	765 g
Front 20TA	749 g
Rear QR9	929 g
Rear X12 TA	908 g

WEIGHTS 27.5"

Front QR9	819 g
Front 15TA	797 g
Front 20TA	782 g
Rear QR9	959 g
Rear X12 TA	937 g

WEIGHTS 29"

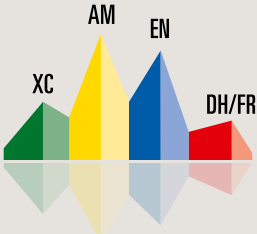
Front QR9	831 g
Front 15TA	808 g
Front 20TA	792 g
Rear QR9	972 g
Rear X12 TA	951 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross with brass nipples
- 21mm Scandium rim
- CNC machined oversized hub with FORMULA Triple Axle Technology and hard anodized 4-pawl freehub body
- External Bearing Technology: Rear hub's load carrying cartridge bearing located outboard of freehub body for increased durability and load distribution
- Front axle options: QR9 / 15TA / 20TA
- Rear axle: QR9 or 12X142 (X12 TA)
- QR9 Skewers: Titanium - front: 32g / rear: 34g
- Recommended tire size: 1.5" - 2.5"
- XD-Driver Free Hub Body
- Shimano Free Hub Body

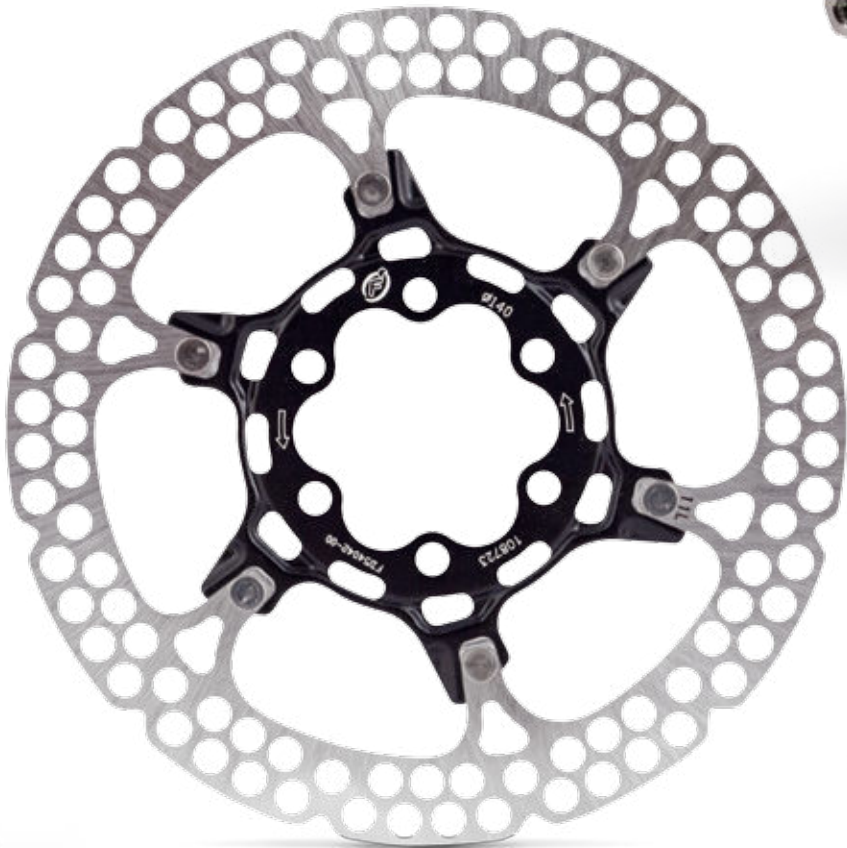
COLOR

Hub	Black
Rim	Champagne - Bead blasted





street performance



FEATURES

Formula introduces the first fully integrated hydraulic disc brake for road bikes, the RR1. The new brake system integrates the hydraulic reservoir in its aluminum lever body and is compatible with Dura-Ace Di2 and Campagnolo EPS.

A strong, forged, post mount caliper with 22mm-pistons combined with a 2-piece 140mm rotor provides the perfect amount of power, control and modulation.

MASTER CYLINDER	CALIPER
Forged radial master cylinder	Forged one-piece caliper with 22mm pistons
Removable handlebar clamp	Top and bottom vented caliper body for maximum cooling and performance
Forged lever blade	Top loading pads simplify pad changes
Hard anodized master cylinder piston	Laser etched logos
High capacity fluid reservoir	ECT: Enhanced Caliper Technology <ul style="list-style-type: none">- Increased pad roll back (simplifying installation)- Increased fluid capacity

SPECIFICATION	
Caliper body	White painted with black cap
Lever blade	Forged aluminum, anodized gloss black
Hose	White: 100cm front / 165cm rear
Brake pads	Semi-metallic w/ Aluminum back plate
Mounting	PM compatible
Weight	320g (85cm hose, 140mm 2-piece rotor and mounting hardware)

OPTION	
Lever blade	Carbon - 14g less than aluminium
2-piece rotor 6 bolt IS	Black - 140mm / 160mm
SpeedLock	Hose quick connect inline - red, black and gold

ECT Enhanced Caliper Technology



carbon tubular 45



FRONT HUB



REAR HUB

FEATURES

Introducing the newest in Italian wheel design - the Formula RR1 high performance disc brake road wheel set! The RR1 features a durable trail tested hub capable of competition level performance and an aero full carbon rim available in tubular.

The ultra-light tubular 45 is not held back by rim brake designs - reducing rotational weight - for increased acceleration.

WEIGHTS

CARBON TUBULAR 45

Front QR9	603 g
Front 15TA	583 g
Rear QR9	771 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross w/ self-locking black alloy nipples
- CNC machined and anodized 7000 aluminum hub
- Ultralight CNC machined and anodized 4 pawl freehub body with 6° engagement
- Titanium QR9 skewers: front 32g / rear 34g
- Recommended tire width: 19-28mm
- Rim: Carbon Tubular 45: disc brakes only

COLOR

Hub	Black
Rim	Carbon

OPTIONS

Front axle options: QR9 & 15TA





carbon 50



FRONT HUB



REAR HUB

FEATURES

Introducing the newest in Italian wheel design - the Formula RR1 high performance disc brake road wheel set! The RR1 features a durable trail tested hub capable of competition level performance and an aero full carbon rim available in tubular or clincher.

WEIGHTS

CARBON CLINCHER 50

Front QR9	732 g
Front 15TA	712 g
Rear QR9	900 g

CARBON TUBULAR 50

Front QR9	684 g
Front 15TA	664 g
Rear QR9	852 g

SPECIFICATION

- 24 straight pull double butted spokes laced 2 cross w/ self-locking black alloy nipples
- CNC machined and anodized 7000 aluminum hub
- Ultralight CNC machined and anodized 4 pawl freehub body with 6° engagement
- Titanium QR9 skewers: front 32g / rear 34g
- Recommended tire width: 19-28mm
- Rim:
 - Carbon Clincher 50: rim and disc brakes
 - Carbon Tubular 50: rim and disc brakes

COLOR

Hub	Black
Rim	Carbon

OPTIONS

Front axle options: QR9 & 15TA

Rim options: ETRTO 622X13 carbon clincher / 622 carbon tubular





BRAKES SUSPENSION WHEELS



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