

DH | Freeride | 4X | LT Trail | Trail

**FOES**  
RACING

**2005**



**T**his is a new season again, and coming right along in this new era of mountain bikes, Foes is strapped for the challenge. Now in its 11th year of bicycle manufacturing Foes Racing has redefined bicycling as we know it. As the only manufacturer to have exclusive rights to the original Stable Platform design and the know how of over 20 years of suspension design, testing, and production Foes is armed and ready for the 2005 season. Always thinking, the owner and founder of Foes Racing, Brent Foes, has prided himself for the past eleven years on making the best mountain bikes money can buy. Taking the industry to new levels back in the early 90s Foes introduced what some may call the first freeride bike, the six inch travel 'Foes LTS'. Now over ten years later Foes still leads the industry in frame design, suspension strategy and manufacturing, and of course every frame is still hand built from scratch...  
**NO DOUBT!**

**W**ith all this building and tweaking going on, Foes was also testing at the race courses. Becoming a fixture at the race scene, Foes has used all the past ten years of racing to help test and develop almost every part that comes out of the Foes factory. With multiple NORBA wins, WORLD CUP wins, and riders of all abilities, Foes has been able to come out on top with high end suspension, solid frame designs, and best of all quality for you the customer. Working with the next generation of the famous Curnutt father son team, Foes has worked with Curnutt Jr. to help develop the Curnutt Suspension System into the masterpiece that it is today.

**A**t Foes Racing we require the utmost highest quality making sure that the end user is always satisfied. With a workforce of only ten people and working with some of the most talented riders in the world, Foes is able to design, develop, and produce some of the most technically advanced frames and suspension available. Foes demands the best and only after many hours of testing and modifications does Foes then release all of this high end product to its' customers. All Foes frames are designed around Curnutt XTD designs and allow Foes to be the exclusive user of the original current position sensitive dampers in use today.

#### **Foes Fab. - 100% Made in U.S.A.**

All Foes bicycles and bicycle components are handcrafted in the U.S.A. with the finest materials available. We pride ourselves on making the finest frames money can buy. All suspension frames use sealed cartridge bearings and are made from a combination of U.S. made ALCOA 6061 aluminum tubing and Easton Manipulated Tubing.

#### **Disc Brake Mount**

Select Foes frames come with International Standard disc brake mounts while other models are floating brake design only, depending on model. The DHS Mono model is designed to use 8" rotors and forego standard adapters. The 2005 Fly and Inferno models are floating brake optional.

#### **Single Pivot Design**

All Foes suspension frames utilize a triangulated single pivot swing arm with oversized sealed aircraft bearings allowing for some of the stiffest frames available. In use with the Curnutt XTD technology, Foes produces some of the strongest frames that money can buy.

#### **Foes Swing-Link**

Foes Racing was one of the first companies to incorporate a Swing-Link into almost every frame made. Now for 2005 each frame uses a Swing-Link to eliminate the unwanted flex that occurs between the swingarm and main frame. Each Swing-Link is machined from billet aluminum and is supplied with cartridge bearings for longevity and the stiffest connecting accessory available.

#### **Floating Brake Mount**

Foes again, was one of the first companies to utilize and understand the benefits of a floating brake caliper. Designed with the location of our main pivot in mind, the floating brake allows the suspension to act on its own without being affected by braking forces. Foes believes that all models with more than 6" of travel should use a "floating brake mount", which neutralizes the brakes' effect on the suspension. This feature allows a rider to say, ride the rear brake softly through a high speed breaking bump filled turn, all along the way keeping traction and allowing the suspension to act how it wants regardless of the amount of braking being used.



DHS Mono



The Fly



Inferno



FXR



FXR 4X

# DHS MONO



Foes Chain Guide System  
(required for single ring use)

Not Included  
4bolt W/C or SL  
5bolt W/C

Plates, Bolts, Upper/Lower Arm, Rollers

## DHS Mono

You pedal off the start and hammer the flats all the while, thinking, how does this frame do it. And then you remember...It's a Foes! That's right it's the 2005 DHS Mono and whether you ride the planks of the North Shore, the Red Bull Rampage, or simply your back yard DH fun runs this is the bike for you! Relatively unchanged for the 2005 season the Mono is still the strongest and most sought after frame on the race circuit these days. With a full 10" of plush travel, adjustable head angle and bottom bracket height, the DHS Mono can go from your local legal DH trails to insane World Cup courses without a hiccup. With our proven monoque triangle, Curnutt technology, and the traditional Foes love, the DHS Mono is as always the Champion's Choice!

### Features:

- Single-Pivot Design with 4 oversized Cartridge Main Bearings
- 10" Travel Curnutt Rear Shock Only
- Adjustable head angle by +/- 2degrees
- Adjustable bottom bracket height by +/- 3/8"
- Rear Floating Brake Set-Up for 8" Rotor Only (Post Mount or I.S. Mount)
- Shimano Saint/Hone compatible axle/dropouts
- Custom Hadley 160mm Rear Hub w/12mm Alum. Axle
- Replaceable CNCd Der. Hanger/Nut Combo
- Ti or Steel Curnutt Spring

### Frame requirements:

- Single Chain-Ring Only
- Foes Chain Guide (not included)
- 1 1/8" Head Tube Only
- 31.6mm Seat Post
- Shimano Saint and Hone Rear Der. use require Foes custom axle (not included)

### Available Colors:

Red • Gloss Black • Silver





Optional Floating Brake gives you better braking power without locking out suspension.

## The Fly

After years of suburb sales, Foes' 'The Fly' has had a face lift for 2005. Totally redesigned for 2005, the Fly has all the benefits of the original design but with new ideas put to work. With an all NEW monoque top-tube that offers a torsionally stiffer front end where the head tube needs it, mated with a custom Easton Double Butted Down Tube and our 'S' bend seat tube, the new Fly is lighter and stiffer all around. Still using the single-pivot design along with 4 cartridge main pivot bearings, this frame has excellent durability and is easy to maintain. Dubbed as Foes' 'Free-Ride' frame, the all NEW Fly is the result of four years of fine tuning, hours of test riding, and of course Foes' TLC

### Features:

- Curnutt 8" or 9" of travel
- Swing-Link Tuned
- Optional Floating Brake Set-Up
- Shimano Saint/Hone compatible dropouts
- Replaceable Der. Hanger
- Custom Foes floating brake drop-out uses 135mm Rear Hub
- Single-Pivot Design with 4 cartridge bearings
- Ti or Steel Curnutt Spring
- Front Der. compatible

### Frame requirements:

- 1 1/8" Head Tube Only
- 31.6mm Seat Post
- 34.9mm/BP/Traditional Clamp Front Der.
- Shimano Saint and Hone Rear Der. use require Foes custom axle (not included)
- 135mm Rear Hub
- 10mm Through Axle 135mm Hub requires Foes custom axle (not included)
- Foes Chain Guide for single or dual ring use (not included)

### Available Colors:

Red • Gloss Black • Silver



Optional Floating Brake gives you better braking power without locking out suspension.

# Long Travel Trail Bike

## INFERNO

Introduced at the 2004 Interbike show the Inferno turned heads with its' monoque frame and incorporated flame design that not only serves structural purposes but for ascetic ones as well. The Inferno brings lightweight all mountain to a new level, designed as a lightweight long travel bike; the Inferno is NOT a Free-Ride bike. It is a long travel lightweight, single travel frame designed for those all day rides up and down the mountain. Utilizing the same tubing as the Foes FXR the Inferno has been built as light as possible while maintaining Foes' outstanding craftsmanship. With a full 7.5" of travel the Inferno is the bike for those epic rides where comfort is a concern and coming home late is not.

### Features:

- Curnutt 7.5" Travel
- Monoque Main Frame
- Single-Pivot design with dual cartridge bearings
- Optional Floating Brake Set-Up
- Shimano Saint/Hone compatible dropouts
- Replaceable Der. Hanger
- Swing-Link Tuned
- Custom Foes floating brake drop-out uses 135mm Rear Hub with Foes Skewer Nut (supplied)
- Ti or Steel Curnutt Spring
- Front Der. compatible

### Frame requirements:

- 1 1/8" Head Tube Only
- 31.6mm Seat Post
- 34.9mm/BP/Traditional Clamp Front Der.
- Shimano Saint and Hone Rear Der. use require Foes custom axle (not included)
- 135mm Rear QR Hub
- 10mm Through Axle 135mm Hub requires Foes custom axle (not included)
- Designed around a 6" Single Crown Fork, NO DUAL CROWNS

### Available Colors:

Red • Gloss Black • Silver





## FXR

As one of the first cross country bikes to be designed around a stable platform rear suspension, the FXR raised the bar for solid performing mid-range travel frames. With its' proven tubed design, Curnutt XTD Rear Shock, and the Foes Swing-Link the FXR remains the same for 2005. After subtle changes in 2004, the FXR has proven to be one of the best Foes models ever. With three choices for a rear shock combined with 5" or 5.75" of rear wheel travel, the FXR is a staple in the Foes line and is here to stay.



## FXR 4X

For 2005 the Foes FXR 4X specific frame is a build to order item. Using the same ideas as the FXR the 4X bike has been raced for the past two seasons resulting in many podium finishes. Still built as a Small, Medium or Large, each size will use a seat tower from a small FXR and each frame will incorporate large gussets for many years of abuse. Contact your dealer for a 4X frame allowing up to five weeks for delivery.

## FXR 4X

### Features:

- Single-Pivot design with cartridge bearings
- Swing-Link Tuned
- Replaceable Der. Hanger
- Choice of Curnutt, Fox AVA Air, or Fox Vanilla RL(no propedal)
- Ti or Steel Curnutt Spring

### Frame Requirements:

- 1 1/8" Head Tube Only
- 135mm QR Rear Hub
- 68mm BB Shell
- 27.2mm Seat Post
- 34.9mm/Bottom Pull/Traditional Clamp Front Der.

### Available Colors:

Red • Gloss Black • Silver

# CURNUTT F1-XTD

## Curnutt F1-XTD

You're flying sky high and eyeing the landing, your heart races as you head towards the landing, but wait...that's right you've got the Foes F1-XTD fork, nothing to worry about...and then you stick it! That's right!....it's the much awaited Foes F1-XTD Front Suspension Fork. After years of R&D on the race circuit and hundreds of man hours later, the F1-XTD fork is the first in the mountain bike industry to successfully use the proven Curnutt XTD technology. Released in spring 2004 the F1-XTD fork is a proven winner whether you're racing Pro DH or just starting in the Sport, class this fork will work beyond your wildest dreams. With the feel of power steering and unsurpassed grip for total control the F1-XTD provides a full 8.5" of travel while utilizing the patented Curnutt platform system, the F1-XTD is the next step in front suspension history!

### Features:

- Race tested for over 2 years at NORBA and WORLD CUP race, the F1-XTD is a proven winner.
- Leading axle configuration
- 30mm axle for one of the stiffest front ends available
- Made for Post Mount or I.S. Mount 8" Rotor only
- Custom 8" Foes Rotor manufactured by Galfer USA
- Every part is CNC machined out of aircraft billet aluminum
- External bottoming control adjustment
- External spring preload adjustment
- External, top mounted rebound control
- 3 position handle bar clamp
- Massive oversized outer legs
- Flat clamps for head tubes up to 5" tall
- Drop clamps for head tubes up to 6" tall
- Custom fork guards made from durable high grade plastic
- Each fork is hand built and tested from the Foes Factory
- Available with 32h or 36h Hub that provides a dish less wheel
- Foes exclusive threaded steer tube, no flimsy star nuts here
- Three spring rates in Ti or Steel available (depends on rider weight with gear)
- THE FIRST AND THE ONLY FORK TO OFFER TRUE CURNUTT STABLE PLAT FORM TECHNOLOGY



## New Titanium Fork Springs By RCS

Designed and Manufactured by  
Renton Coil Spring Co. using  
Dynamet's Ultimate Performance  
Grade (UPG) Titanium.

**Lighter:** Titanium's low modulus, low density, and high strength combine to produce a spring which is typically 40% to 50% lighter than a steel spring.

**Tougher:** RCS Titanium springs have tested 200-300% better fatigue than the highest quality steel springs.



36H



32H

Large 30mm Hub 32H  
or 36H designed with zero dish



Special made brake rotor for  
Curnutt XTD by Galfer USA



Custom billet tool to service  
XTD Fork

## Curnutt Shock

Since 2001 Foes Racing and Curnutt Shocks Inc. have worked together to produce the first and the original 'Stable Platform' rear shock. Using the original concepts that Curnutt Sr. developed through the early 70s, Curnutt Jr. and Brent Foes teamed up to produce a rear suspension that would send shock waves through the industry. Utilizing the Curnutt XTD (external threshold damping) system, it was the perfect technology to help eliminate pedal feedback and revolutionize the single-pivot design. The Curnutt shocks are still only available on Foes frames, exclusively. Every shock is hand built and tailor made to fit each and every one of our frames. Available with Ti or Steel Springs the Curnutt does have a rider weight limit of around 230lb with gear, depending on model. Ask your Foes dealer which spring is correct for your weight or consult the Foes website at [www.foesracing.com](http://www.foesracing.com)





### New Titanium Shock Springs By RCS

Designed and manufactured by Renton Coil Spring Co. using Dynamet's Ultimate Performance Grade (UPG) Titanium.

**Lighter:** Titanium's low modulus, low density, and high strength combine to produce a spring which is typically 40% to 50% lighter than a steel spring. In most applications this translates into a modest weight savings.

**Tougher:** RCS Titanium Springs have tested 200-300% better fatigue than the highest quality steel springs.



### Features:

- Steel or Ti Springs (Ti weight limit depending on model)
- Bottoming Control feature controls the last 30% of shock travel
- Rebound damping control
- Works off minimal preload for better action
- Air pressure pedaling platform control
- Four different shocks for every Foes model
- All adjustments are EXTERNAL for easy access
- Every part is CNC machined from billet aircraft grade aluminum
- Each shock is hand built and tested before it leaves the factory.

Custom billet tool to service  
XTD Shock

2005 specifications	Frame Size	Headtube Angle	Seat tube Angle	Bottom Bracket Height	Chainstay Length	Wheel Base	Top tube Length	Seatpost Diameter	Headtube Diameter	Headtube Length	Wheel Travel	10mm T/A	Cumt Shock	Floating Brake	Weight (size)
DH5 Mono	17.2	66.25	56.5	14.7	17.96	46	19.3/21.8	31.6	1-1/8"	4.5	10	ST	ST	ST	10.5
	18.5	66.25	56.5	14.7	17.96	46	20.5/23	31.6	1-1/8"	4.5	10	ST	ST	ST	
	19.2	66.25	56.5	14.7	17.96	47	21.6/23.8	31.6	1-1/8"	5	10	ST	ST	ST	

2005 specifications	Frame Size	Headtube Angle	Seat tube Angle	Bottom Bracket Height	Chainstay Length	Wheel Base	Top tube Length	Seatpost Diameter	Headtube Diameter	Headtube Length	Wheel Travel	10mm T/A	Cumt Shock	Floating Brake	Weight (size)
S-FLY	16	67.25	70	14.5	17.5	44.8	12.1/22	31.6	1-1/8"	4.5	*8-9	OP	ST	OP	9.5
	18	67.25	70	14.5	17.5	45.8	22.2/23.2	31.6	1-1/8"	4.5	*8-9	OP	ST	OP	
	20	67.25	70	14.5	17.5	46.8	23.4/24.2	31.6	1-1/8"	5	*8-9	OP	ST	OP	

2005 specifications	Frame Size	Headtube Angle	Seat tube Angle	Bottom Bracket Height	Chainstay Length	Wheel Base	Top tube Length	Seatpost Diameter	Headtube Diameter	Headtube Length	Wheel Travel	10mm T/A	Cumt Shock	Floating Brake	Weight (size)
Inferno	17.2	67.5	64	14.2	17.2	43.8	20.3/22	31.6	1-1/8"	4	7.5	OP	ST	OP	7.7
	18.5	67.5	64	14.2	17.2	44.8	21.4/23	31.6	1-1/8"	4.5	7.5	OP	ST	OP	
	19.7	67.5	64	14.2	17.2	45.8	22.7/23.9	31.6	1-1/8"	5	7.5	OP	ST	OP	

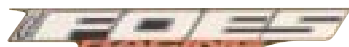
2005 specifications	Frame Size	Headtube Angle	Seat tube Angle	Bottom Bracket Height	Chainstay Length	Wheel Base	Top tube Length	Seatpost Diameter	Headtube Diameter	Headtube Length	Wheel Travel	10mm T/A	FOX Shock	Floating Brake	Weight (size)
FXR 4X	16.5	68.5	65	13.3	16.8	42.8	20/21.8	27.2	1-1/8"	4	*5-6	-	OP	-	6.7
	16.5	68.5	65	13.3	16.8	43.8	21.3/22.8	27.2	1-1/8"	4.5	*5-6	-	OP	-	
	16.5	69.5	65	13.3	16.8	44.8	22.7/23.8	27.2	1-1/8"	5	*5-6	-	OP	-	

2005 specifications	Frame Size	Headtube Angle	Seat tube Angle	Bottom Bracket Height	Chainstay Length	Wheel Base	Top tube Length	Seatpost Diameter	Headtube Diameter	Headtube Length	Wheel Travel	10mm T/A	FOX Shock	Floating Brake	Weight (size)
FXR	16.5	68.5	65	13.3	16.8	42.8	20/21.8	27.2	1-1/8"	4	10	-	OP	-	6.8
	18.5	68.5	65	13.3	16.8	43.8	21.3/22.8	27.2	1-1/8"	4.5	10	-	OP	-	
	20.5	68.5	65	13.3	16.8	44.8	22.7/23.8	27.2	1-1/8"	5	10	-	OP	-	



ALL ACTION PHOTOS  
BY MATT COLLINS





All above items are available through your local or mail order dealer. For your nearest dealer, please check our website [www.foesracing.com/dealers/](http://www.foesracing.com/dealers/)





## **Foes Racing**

Pasadena, CA

[www.foesracing.com](http://www.foesracing.com)

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