

MANITOU SUSPENSION | ANSWER COMPONENTS | 2008

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R7	ELITE ABSOLUTE	MRD TPC	MRD ABSOLUTE
Category	Ultra Lightweight High-End 30mm	Ultra Lightweight High-End 30mm	Ultra Lightweight High-End 30mm
Travel	80mm or 100mm	80mm or 100mm	80mm or 100mm
Wt. Lbs	3.3 (80), 3.4 (100)	2.76 (80), 2.8 (100)	2.76 (80), 2.8 (100)
Wt. Grams	1516 (80), 1557 (100)	1253 (80), 1271 (100)	1253 (80), 1271 (100)
Spring	TS Air	Noble Air	Noble Air
Steerer	1-1/8th Blue Al	Butted Aluminum	Butted Aluminum
Damping	Absolute Platform Damper	Lightweight Cartridge TPC	Lightweight Cartridge Absolute Platform Damper
Adjustments	Rebound, Air, Platform	Air, Rebound, Compression	Air, Rebound, Compression
Stanchions	30mm Gold Al	30mm Gold Al	30mm Gold Al
Casting	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag
Axle	Std	Std	Std
Crown	Hollow	Deep Bore Hollow MRD	Deep Bore Hollow MRD
Lubrication	Semi-Bath	Semi-Bath	Semi-Bath
Seals	Evil Genius	Evil Genius	Evil Genius
Wheel Size	26"	26"	26"
Disc Mounts	Post	Post	Post
Disc Size	180mm Max	180mm Max	180mm Max
No Boss Option	Includes Brake Bosses		No Boss
Ride Height (mm)	456/476	456/476	456/476
Color	Primer	Candy Red	Candy Red
Compatible Rear Shock Models	S-Type, Swinger Air X3	S-Type	S-Type



MINUTE	ELITE TPC	ELITE ABSOLUTE	ELITE ABSOLUTE IT
Category	High End Al 32mm	High End Al 32mm	High End Al 32mm
Travel	100mm, 120mm, or 140mm	100mm, 120mm, 140mm	140mm (Infinitely Adjustable)
Wt. Lbs	3.8 (100), 4.0 (120), 4.1 (140)	3.5 (100), 3.6 (120), 3.65 (140)	3.65 (140)
Wt. Grams	1716 (100), 1821 (120), 1860 (140)	1581 (100), 1626 (120), 1650 (140)	1650 (140)
Spring	Mars Air	Mars Air	Infinite Travel (IT) Air Spring
Steerer	1 1/8th butted Al	1 1/8th Butted Al	1 1/8th Butted Al
Damping	TPC	Absolute Platform Damper	Absolute Platform Damper
Adjustments	Air, Rebound, Compression	Rebound, Air, Platform	Rebound, Air, Platform
Stanchions	32mm Gold Al	32mm Gold Al	32mm Gold Al
Casting	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag
Axle	Std or Hex	Std or Hex	Std or Hex
Crown	Aluminum	Aluminum	Aluminum
Lubrication	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals
Wheel Size	26"	26"	26"
Disc Mounts	Post	Post	Post
Disc Size Size	210 Max	210 Max	210 Max
No Boss Option	Only	Only	Only
Ride Height (mm)	478/498/515	478/498/515	515 max
Color	Black	White	White
Included Parts			Firm Spring, IT Remote Trigger
Compatible Rear Shock Models	Swinger Air X3, Swinger Air X4, Evolver ISX-1	Swinger Air X3, Swinger Air X4	Swinger Air X3, Swinger Air X4



MINUTE	MRD TPC	MRD ABSOLUTE	29ER
Category	High End Al 32mm	High End Al 32mm	High End Al 32mm
Travel	100mm or 130mm	100mm or 130mm	80mm, 100mm or 120mm
Wt. Lbs	3.2 (100), 3.3 (130)	3.2 (100), 3.3 (130)	3.8, (80), 3.9 (100), 4.0 (120)
Wt. Grams	1452 (100), 1530 (130),	1452 (100), 1530 (130)	1723.3
Spring	Noble Air	Noble Air	Mars Air
Steerer	Aluminum	Aluminum	1 1/8th Black Al
Damping	Lightweight Cartridge TPC	Lightweight Cartridge Absolute Platform Damper	Absolute Platform Damper
Adjustments	Air, Rebound, Compression	Air, Rebound, Compression	Rebound, Platform
Stanchions	32mm Gold Al	32mm Gold Al	32mm Gold Al
Casting	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag
Axle	Std or Hex	Std or Hex	Std or Hex
Crown	Aluminum Deep Bore Hollow MRD	Deep Bore Hollow MRD	Hollow Aluminum
Lubrication	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals
Wheel Size	26"	26"	29
Disc Mounts	Post	Post	Post
Disc Size	210 Max	210 Max	210 Max
No Boss Option	Only	Only	Only
Ride Height (mm)	478/508	478/508	490/510/530
Color	Grayblue	Grayblue	White
Compatible Rear Shock Models	Swinger Air X3, Swinger Air X4	Swinger Air X3, Swinger Air X4	Swinger Air X



NIXON	ELITE
Category	Long Travel Enduro 32mm
Travel	145mm or 160mm
Wt. Lbs	4.3 (145), 4.4 (160)
Wt. Grams	2086 (145), 2220 (160)
Spring	Mars Air
Steerer	1 1/8th Black AL
Damping	Al Cartridge TPC+
Adjustments	Air, Rebound, Compression
Stanchions	32mm Gold Al
Casting	One piece Reverse Arch (RA) Mag
Axle	20mm Hex Lock Thru Axle
Crown	Hollow Aluminum
Lubrication	Semi Bath with Evil Genius Seals
Wheel Size	26"
Disc Mounts	Post
Disc Size	210 Max
No Boss Option	Only
Ride Height (mm)	488-518, 510-540
Color	Blue
Compatible Rear Shock Models	Swinger Air X4, Evolver, Swinger Coil X4, Swinger Coil X6





GOLD LABEL	JUMP SERIES 2
Category	High End 32mm Street and Dirt Jumping
Travel	80mm or 100mm
Wt. Lbs	4.6
Wt. Grams	2086.1
Spring	X-Firm Coil Spring
Steerer	1 1/8th High-strength steel
Damping	FFD with rebound adjust
Adjustments	Rebound
Stanchions	32mm Gold Al
Casting	One piece Reverse Arch (RA) Mag
Axle	20mm Hex Lock Thru Axle
Crown	Hollow Aluminum
Lubrication	Semi Bath with Evil Genius Seals
Wheel Size	26"
Disc Mounts	Post
Disc Size Size	210 Max
No Boss Option	Only
Ride Height (mm)	460, 480
Color	Disco Gold
Notes	Grind bolt on spring leg
Compatible Rear Shock Models	Swinger Air X3, Swinger Air X4



TRAVIS	SINGLE 150	SINGLE 180 INTRINSIC	TRIPLE 180 I 203 INTRINSIC
Category	34mm Freeride/DH Racing	34mm Freeride/DH Racing	34mm Freeride/DH Racing
Travel	150mm	180mm	180mm or 203mm
Wt. Lbs	6.5	7	7.8, 7.9
Wt. Grams	2947.8	3175	3521, 3557
Spring	Steel Coil	Steel Coil	Steel Coil
Steerer	1 1/8th Steel	Onepointfive Al	1 1/8th Black Al
Damping	Al Cartridge TPC+	Cartridge Air Backed IFP Intrinsic	Cartridge Air Backed IFP Intrinsic
Adjustments	Rebound, Compression	Rebound, Compression, Cartridge Air	Rebound, Compression, Cartridge Air
Stanchions	34mm Gold Al	34mm Gold Al	34mm Gold Al
Casting	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag	One piece Reverse Arch (RA) Mag
Axle	20mm Hex Lock Thru Axle	20mm Hex Lock Thru Axle	20mm Hex Lock Thru Axle
Crown	Solid Satin Black Aluminum	Solid Satin Black Aluminum	Integrated Triple Clamp
Lubrication	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals	Semi Bath with Evil Genius Seals
Wheel Size	26"	26"	26"
Disc Mounts	Post	Post	Post
Disc Size	210 Max/ 203 Min	210 Max/ 203 Min	210 Max/ 203 Min
No Boss Option	Only	Only	Only
Ride Height (mm)	542	572/ 595	562/ 585
Color	Primer	Primer	Primer or Grandma's Lipstick
Included Parts			Triple Clamp/Small, Large Soft & Hard Springs
Compatible Rear Shock Models	Swinger Coil, Revox, Evolver	Swinger Coil, Revox, Evolver	Swinger Coil, Revox, Evolver

MANITOU CLOTHING

Freeride Jersey | R7 Retro Jersey | Travis Tee | R7 Tee | Manitou Piss Tank Tee | Manitou Cap | Manitou Socks



MANITOU AIR PUMPS

Manitou air pumps include a micro-pressure release control, free spinning valve coupler and high strength aluminum barrel and shaft. The standard version is for use with high-pressure air spring forks and shocks, while the SPV Pump only goes to 175psi for precision low-pressure fork/shock platform adjustments.

TRAVIS IS2 INTEGRATED HANDLEBAR UPPER FORK CLAMP

For use with dual crown Travis forks, the IS2 clamp uses a shim system for compatibility with either 25.4mm handlebars or 31.8mm (oversized) bars. Clamp can positioned for either 45mm or 65mm of reach.

GOLD LABEL JUMP SERIES GRIND BOLT

For use on the bottom of the spring side fork leg of your Gold label Jump series fork. Quite simply, it protects your magnesium fork leg from damage should you want to grind a bit.











SHOES

XC-1

- Two strap closure with buckle
- Superlight and stiff hard sole
- Breathable mesh upper
- Vented mesh insole
- Full cleat compatibility
- Anatomic heel cup to resist heel slip
- Replaceable toe spikes, wrench, and shoe bag

IMPACT

- Three-strap closure system. center reversed, with laces
- Hi-Traction rubber compound sole with stiff hard sole
- Breathable mesh upper
- Full cleat compatibility
- Metal spikes and spike wrench included
- Inside heel material catch to eliminate heel slip
- Anatomic plastic heel cup to resist heel slip

SPEEDER

- Three strap closure system, center reversed, with laces
- Hi-Traction rubber compound sole with stiff hard sole
- Breathable mesh upper
- Full cleat compatibility
- New anatomic plastic heel cup to resist heel slip

PALISADE

- Value and performance mountain bike shoe
- Three strap closure system, center reversed
- Lateral heel strap to keep heal from slipping

KASHMIR WINTER SHOE

- Three strap closure system with laces
- Adjustable Neoprene ankle closure to protect against cold
- Inner Neoprene ankle closure to keep the outside out
- Anatomic heel cup to resist heel slip
- Heel pull strap



EVOLVER	ISX-1	ISX-6
Type	Air	Air
Weight (g)	320	415 (single tube) 470 (twin tube)
Damping	SFS Shim	Shims-Intrinsic
Package	Inline	New piggyback reservoir
Adjustments	Air, Rebound	Air, No Tools Volume, Rebound, HS Comp, LS Comp
Damper Body Finish	Black Hard Ano	Black Hard Ano
Damper shaft material	Aluminum	Aluminum
Damper shaft finish	Hard Ano	Hard Ano
Bushings	Steel/Teflon	
Negative spring	MCU	MCU
Air canister	49mm 3D Forged Twin Tube	40/49 3D Forged Twin Tube
Top Cap	New Style Bell Shape	New Style Bell Shape
Eyelet hardware	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider
Shaft Diameter	10mm	12mm
Configurations	190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2") 200 x 56 (7.875" x 2.25") 216 x 63 (8.5" x 2.5") 230 x 70 (9" x 2.75") 240 x 76 (9.5" x 3")	190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2") 200 x 56 (7.875" x 2.25") 216 x 63 (8.5" x 2.5") 222 x 70 (8.75" x 2.75") 230 x 70 (9" x 2.75") 240 x 76 (9.5" x 3")

All shock weights in smallest configuration



SWINGER	AIR X3	AIR X4
Type	Air	Air
Weight (g)	245	395
Damping	No Tools SPV	No Tools SPV
Package	Inline	Piggyback
Adjustments	Air, No Tools SPV Platform, Rebound	Air, No Tools SPV Platform, SPV Volume, Rebound
Damper Body Finish	Black Hard Ano	Black Hard Ano
Damper shaft material	Steel	Steel
Damper shaft finish	Hard Chrome	Hard Chrome
Bushings	Teflon	Teflon
Negative spring	MCU	MCU
Air canister	40mm 3D forged & CNC'd	40mm 3D forged & CNC'd
Top Cap	New Style Bell Shape	New Style Bell Shape
Configurations	152 x 32 (6" x 1.25") 165 x 38 (6.5" x 1.5") 190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2") 200 x 56 (7.875" x 2.25") 216 x 63 (8.5" x 2.5")	190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2") 200 x 56 (7.875" x 2.25") 216 x 63 (8.5" x 2.5")



S-TYPE	SR SPV	SRL
Type	Air	Air
Weight (g)	200	215
Damping	SPV	Platform Plus Lockout
Package	Inline	Inline
Adjustments	Air, SPV Pressure, Rebound	Air, Rebound, lockout
Damper Body Finish	Black Hard Ano	Black Hard Ano
Damper shaft material	10mm Aluminum	10mm Aluminum
Damper shaft finish	Hard Ano (gold)	Hard Ano (gold)
Bushings	Teflon	Teflon
Negative spring	MCU	MCU
Air canister	40mm	40mm
Top Cap	Dome light cap	Dome light cap
Eyelet hardware	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider
Shaft Diameter	10mm	10mm
Configurations	152 x 32 (6" x 1.25") 165 x 38 (6.5" x 1.5") 190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2")	152 x 32 (6" x 1.25") 165 x 38 (6.5" x 1.5") 190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2")



SWINGER	COIL X6
Type	Coil
Weight (g)	448
Damping	Intrinsic or SPV
Package	2007 Intrinsic Piggyback
Adjustments	Preload, Rebound, No Tools Volume, LS Comp, HS Comp
Damper Body Finish	Black Hard Ano
Damper shaft material	Steel
Damper shaft finish	Hard Chrome
Eyelet hardware	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider
Shaft Diameter	12.7mm
Springs	Steel 250 to 650 Springs in 50lb increments
Configurations	190 x 50 (7.5" x 2") 200 x 50 (7.875" x 2") 200 x 56 (7.875" x 2.25") 216 x 63 (8.5" x 2.5") 222 x 70 (8.75" x 2.75") 500lb spring max 230 x 70 (9" x 2.75") 240 x 76 (9.5" x 3") 267 x 90 (10.5" x 3.5")



REVOX	ISX
Type	Coil
Weight (g)	465 (without spring)
Damping	Intrinsic
Package	Intrinsic Piggyback
Adjustments	Preload, No Tools Volume, Rebound, LS Comp, HS Comp
Damper Body Finish	Black Hard Ano
Damper shaft material	Aluminum
Damper shaft finish	Natural Hard Ano
Eyelet hardware	2-pc AL through 37.9mm, 3-pc S.S. at 38mm and wider
Shaft Diameter	14mm
Springs	Steel 300 to 450 70mm (2.75") travel 300 to 550 76mm (3") travel 250 to 450 90mm (3.5") travel
Configurations	222 x 70 (8.75" x 2.75") 500lb spring max 230 x 70 (9" x 2.75") 240 x 76 (9.5" x 3") 267 x 90 (10.5" x 3.5")

ATAC PRO STEM

- 180 to 195 grams
- Oversized 31.8mm clamping diameter
- 6061 T-6 aluminum
- 3D forged and welded construction
- onepointfive or 1 1/8" steerer compatible
- 60, 75, 90, 105, and 120mm lengths available in multiple rises



ATAC XC LITE STEM

- 150 to 170 grams
- 6061 T-6 aluminum
- Cold forged construction
- Black with silver stem clamp
- 90mm/10 degree, 1 1/8 steerer/25.4 bar
- 105mm/10 degree, 1 1/8 steerer/25.4 bar
- 120mm/10 degree, 1 1/8 steerer/25.4 bar



ANSWER ONEPOINTFIVE STEM-LOC FOR SHERMAN

Machined alloy stem lock for use with Sherman forks. Replaces star fangled nut for onepointfive steerer tubes. Completely adjustable with standard tools



ANSWER ONEPOINTFIVE STEM-LOC FOR TRAVIS

Machined alloy stem lock for use with Travis Single crown onepointfive forks (replaces star fangled nut in the steerer tube). Completely adjustable with standard tools







PROTAPER OS CARBON
Compatible with oversized 31.8mm clamp diameters, the Protaper OS Carbon has an unsurpassed stiffness to weight ratio

- 165 grams/645mm length
- Race proven 8° X 4° bend, 1-inch rise
- Answer proprietary Advanced Carbon Composite (ACC) material
- Compatible with 31.8mm Stem ONLY

PROTAPER XC CARBON
The ultimate aluminum riser bar has been taken to a new weight dimension with the 160 gram carbon incarnation.

PROTAPER CARBON XC

- 160 grams/ 645 mm length
- Race proven 8° X 4° bend
- Increased and reinforced clamp surface area for additional stiffnesss

HYPERLITE CARBON
The Hyperlite Carbon drops an amazing 20 grams off the standard aluminum Hyperlite.

- 125 grams/ 580 mm length
- 3 degree bend
- Moto-inspired permanent graphics

PROTAPER
The standard by which all riser bars are measured, the ProTaper is the ultimate in lightweight and stiffness.

- 1 in. rise/ 620 mm width at 210 grams
- 2 in. rise/ 660 mm width at 250 grams
- 8 degree by 4 degree compound bend
- 7075 aluminum
- Available in black, gold, and satin titanium

PROTAPER OS
Oversized and even stiffer than our World Championship winning ProTaper 7075 aluminum handlebar.

- Durable, laser etched graphics,
- 2-inch rise
- Race proven 8° X 4° bend
- Unsurpassed strength to weight ratio.
- Width: 690mm Weight: 270g
- Compatible with 31.8mm Stem ONLY

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