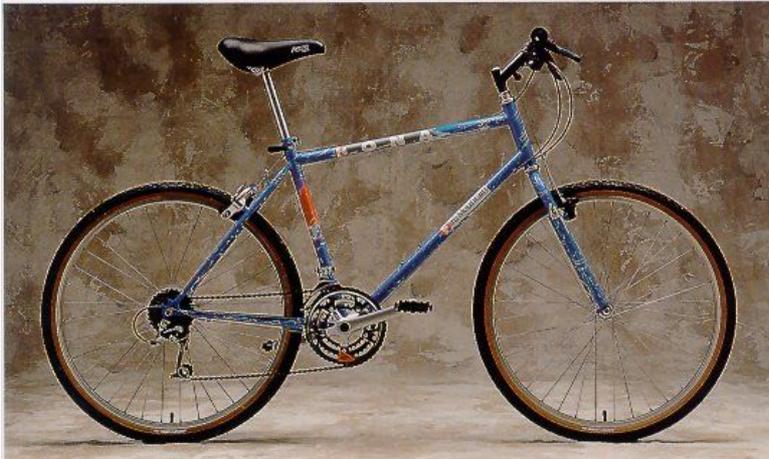


 **KONA** *brodie*



The Bicycle Group

KONA



FIRE MOUNTAIN

SUPER PERFORMANCE. ENTRY LEVEL PRICE.

The Fire Mountain combines the strength and reliability of a real mountain bike with the fun and finesse of a street-wise city bike. The sloping top tube cromoly frame design by Joe Murray gives you better stand over clearance and a more efficient bike. You get the leading edge in fork design with the Project Two by Joe Murray. It's a straight, 1" diameter blade with tapered wall thickness, offset at the crown. You'll be surprised by the superior comfort and stability. No other company offers a fork this good on a bike in this price range. On top of that you get the complete Exage 300 LX component group from Shimano with all of the important mountain bike designs: Hyperglide transmission, 7 speed SIS shifters and brake levers with STI (Shimano Total Integration), Biopace chainrings, and quick release cassette hubs. And, all of the bearings have sealed mechanisms, including an easy to service Greasealer bottom bracket.



LAVA DOME

INNOVATIVE DESIGN. TOP VALUE.

The Lava Dome is a hard driving mountain bike with the hottest component group in its class: S/D/S (Suntour/Dia Compe/SR Sakae) X-1. It works as good as it looks. Suntour leads the way with innovative X-Press shifters, Accushift Plus transmission and quick release cassette hubs. Dia Compe's low profile cantilevers are compact and powerful with Shortstop levers. The sloping top tube frame design by Joe Murray with a full Tange cromoly tubeset provides first rate performance. Combined with the Project Two fork, the Lava Dome is a perfect balance of comfort, stability, and performance. Plus, Joe Murray's Maximum/Reaction tires provide outstanding shock absorption, comfort and acceleration. This is a machine you'd be proud to take to the races.

THE IMPO

JOE MURRAY



JOE MURRAY

WINNING RACER. WINNING DESIGNS.

Joe Murray is among the winningest mountain bike racers of all time, with over 70 victories. A two-time NORBA National Champion, he was inducted into the Mountain Bike Hall of Fame in 1988 in recognition of his outstanding achievements as a rider.

Joe uses his experience as a racer, his working relationship with some of the most talented frame and component manufacturers, and his talent for design, to develop innovative and intelligent components and bicycles for The Bicycle Group.

Working closely with Paul Brodie, Merlin Metalworks, and other associates of the Bicycle Group, he tests the prototypes and refines the final designs before they are ready. It adds up to a superb combination of development, engineering, race testing and proving that is unequalled in the bicycle world.

PAUL BRODIE

THE PURSUIT OF EXCELLENCE.

During six years of hand built mountain bike frame construction, Paul Brodie has built over 1,000 framesets. His workmanship has been called "A work of art". The demand for his frames has increased dramatically over the last few years, but one thing remains the same: Paul Brodie is a perfectionist, unwilling to compromise on quality. While other builders might be tempted to go overseas and hire subcontractors to construct bicycles bearing their names, Paul insists on building every Brodie frame in his own workshop, while continuing to deliver custom built bicycles in an extraordinarily short time.

SLOPING TOP TUBE FRAME

GOOD REASONS FOR A GOOD DESIGN.

Joe Murray and the Kona/TBG racing team have been using sloping top tube frame designs

PROJECT TWO FORK



TRAC



KONA



CINDER CONE

RACE READY MACHINE. SPLASHY LOOK.

Heads will turn when the Cinder Cone comes down the track. For good reasons. The red, white and blue splash paint looks great. Kona MTB Light cromoly tubing throughout in a Joe Murray performance frame design works great. You get the innovative Project Two fork, Velocity stem, and Maximum/Reaction tires by Joe Murray. Suntour's XCD component group has always been an excellent value, often seen on bicycles costing nearly twice as much. For 1990, several important innovations have been added: Suntour X-Press shifters, Accushift Plus transmission, low-profile comp pedals, and self-energizing rear cantilever brake for stopping power that really responds to the increased pressure from the three finger levers. The group is completed with Greasealer bottom bracket, Avocet racing saddle, and round Suntour Powerings.



EXPLOSIFF

COMPLETE HIGH PERFORMANCE RACE PACKAGE.

This is the really hot one! Every important new mountain bike design is incorporated into the flagship of the Kona line for 1990. Specially shaped Tange concept tubing is extremely light and exceptionally strong. Joe Murray's Track Two composite fork is a cut above the rest. It gives super precise steering with a T6 6061 aluminum crown, Ishiwata cromoly blade, a strong and reliable investment cast dropout. Suntour's Pro/Comp group is stunning: Grease Guard hubs, pedals, bottom bracket and freewheel allow user friendly bearing lubrication. Suntour's new X-Press shifters, and Accushift Plus transmission will be the hit of the season. Self-energizing rear cantilever brakes provide excellent tire clearance and sure stopping power. Not only that but all of the custom braze-on, paint, and component options that you'd ever need are available. Combine it all with Joe Murray's Maximum/Reaction tires and Velocity stem and you have an outstanding mountain bike that will take you to the heights.

PERFORMANCE

FORK



MAXIMUM/REACTION TIRES



on their team racing machines for the last three years. It's a race proven design.

That's why every Kona and Brodie mountain bike has a sloping top tube frame design. It makes a lot of good sense. Clearance and stand over height is greater. The frame is smaller and lighter. With a shorter seat tube, there is less flex at the bottom bracket, the rear triangle is tighter and smaller, and the acceleration is significantly improved.

Also, the head tube is comparatively longer than level top tube bikes, which eases the stress on the headset, and makes it unnecessary to use unconventional, oversize headsets.

PROJECT TWO FORK

STRAIGHT TALK ABOUT STRAIGHT FORKS.

Two years of testing and racing have proven the strength, stability, and performance of the Project Two fork. The 1" diameter blade, combined with an Ishiwata cromoly blade tapering from 1.4mm to 0.9mm provides exceptional torsional strength and stability previously unheard of in a mountain bike fork. The Project Two makes the ride of a good bike even better, and gives you the extra confidence and performance you always wanted from a fork.

TRACK TWO FORK

SHARP CUT. SMOOTH RIDE.

The evolution of forks continues with Track Two. A bomb-proof T6 6061 aluminum crown is joined to a custom Ishiwata cromoly blade with a 1" diameter and a 1.1mm-0.7mm wall. It's a beautiful balance of light weight, torsional strength, and stability. There's also ample clearance for the fattest tires made. Steering is sharp and predictable. The ride is surprisingly comfortable. A cut above the competition.

MAXIMUM/REACTION TIRES

THE PERFECT PAIR.

This is the ideal pair of matching front and rear tires. Joe Murray's new Maximum 26 x 2.2"

THE CO THE B

The Bicycle Group is a company range of experience in the sport.

Based for many years in the Pacific, a clientele who has demanded the conditions. As specialists in mountain development of fat-tire bikes at all efforts as reliable and intelligent solutions and international level.

brodie

CLIMBMAX

HIGH END PERFORMANCE. INCREDIBLE VALUE.

You can ride a hand built Brodie for the price of an import. The ClimbMax is hand crafted by Paul Brodie in his Vancouver workshop, using Tange Prestige double-butted tubing. Brodie's performance geometry and sloping top tube design has created a quick handling and fast accelerating machine. Joe Murray's new Track Two composite fork adds stability, strength, and surprising comfort to the ride. Maximum/Reaction tires by Joe Murray provides the perfectly matching set of off-road rubber. Add on the hot new Suntour Pro/Comp group with Grease Guard hubs, bottom bracket, freewheel and pedals, X-Press shifters, and Accushift transmission and you have an incredible custom package. You want options? There's a full selection of braze-on, painting, and component choices, including Brodie GatorBlade or Project Two forks, and Shimano Deore DX or XT component groups. Brodie ClimbMax. Proven hand built performance. Made the way you want.



CATALYST

THE HOTTEST RACING MOUNTAIN BIKE OF 1990.

Paul Brodie had an ambitious project for 1990. Build the best racing mountain bike. That's just what he did. It starts with Tange's unique and lightweight Concept tubing. Paul Brodie TIG welds the Catalyst. It's stronger and lighter. Then he created the incredible new Brodie GatorBlade composite fork. Nearly one year and six million revolutions on in-house testing machinery have proven it to be one of the strongest forks in the business. Not only that, but the comfort, stability, and handling is unsurpassed. This is the frameset that was race proven by TBG pro team riders Joe Murray and Bruce Spicer during 1989. So that it would be perfect for you. Next, Brodie added Suntour's exciting new Pro/Comp component group with Grease Guard components, X-Press shifters, and Accushift Plus transmission. There's also Joe Murray's Maximum/Reaction tires and Velocity stem. Plus you have a complete selection of custom frame building, braze-on, painting, and component options. Brodie Catalyst. A stunning concept.



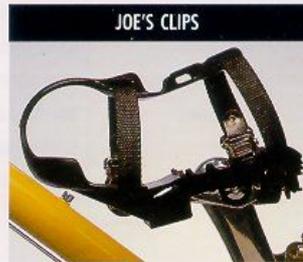
OF GOOD

front tire has huge air volume and massive side knobs. Shock absorption and control are unsurpassed. The Reaction 26 x 2.0 rear tire is the best climbing and accelerating tire in the business. Made possible by a wide center band of knobblies. Both are available in Kevlar bead (595 grams) and steel bead (675 grams).

JOE'S CLIPS

COMFORT IN THE POWER ZONE.

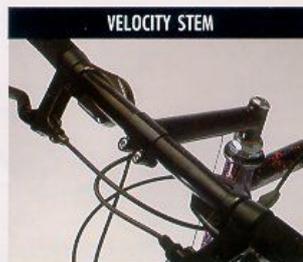
Toe clips and straps are one of the most important and most neglected transmission components. They are usually bulky or weak in the wrong places, uncomfortable and difficult to size correctly. Joe Murray has made a careful evaluation of this critical area and designed a complete set of ergonomically designed toe clips and straps. Joe's Clips have a wide platform and specially shaped toe box to give full support. Foothold and shoe position can be fine tuned with two toe straps. Toe flips allow easy pedal access. A complete set of spacers and hardware is provided, allowing every shoe size to be easily accommodated. Powerfully comfortable.



VELOCITY STEM

A STRONG POSITION.

A rider who demands high performance from their bike and body needs the right link between the frame and the handlebar. Joe Murray's Velocity stem is a low profile, primarily suited for competition or training. It comes in three rises, reaches and heights. A strong junction between the stem and bar is well taken care of by two solid 6mm fixing bolts, compared to only one for most designs. Velocity stem. Your position is secure.



BRODIE GATORBLADE FORK

STRENGTH OF THE UNION.

One hundred thousand miles on the road and six million revolutions on the testing machine.

COMPANY GROUP

ers and associates who have an extensive
ess of cycling.
est, The Bicycle Group has been serving
cycling products for extreme weather
we have a working understanding of the
ost recently, we have concentrated our
the finest in quality mountain bikes at a

brodie

ROMAX

BEAUTY IN MOTION. THE ULTIMATE FROM BRODIE.

It's been called "A Work of Art". The Brodie Romax is that and more. Each Romax frame is carefully fillet brazed and finished to a perfectly radiused joint in Paul Brodie's workshop, using Tange Prestige tubing. Geometry is tight. Brodie's characteristic performance is there. And it's hot! The new GatorBlade fork is an incredibly strong and stable composite fork that provides surprising comfort. Shimano's top of the line XT component group with new STI shifters and brake levers, Hyperglide shifting, and low profile competition pedals provide proven performance. Joe Murray's Maximum/Reaction tire combination and Velocity stem round out this superb example of off road excellence. Brodie Romax. The ultimate statement of a master craftsman.



TITANIUM

THE TITANIUM MOUNTAIN BIKE. STRATEGIC METAL.

Merlin Metalworks invented it. Designed by Joe Murray and race proven during three years of NORBA competition. Now, a limited edition Joe Murray signature model is available from The Bicycle Group for the ultimate in high-tech mountain bike performance. Made in the USA with aircraft certified Merlin titanium alloy frame tubing, it is an outstanding example of comfort and lightweight performance that has yet to be matched by its imitators. Glowing reports from riders and cycling publications were succinctly defined by Bicycling magazine's John Kukoda as a "frame of reference". Joe Murray's custom geometry has created an ideal race machine. Combined with his innovative Track Two composite fork, it is light, nimble, and responsive. You can have your choice of the world's best mountain bike components from Shimano or Suntour. Joe Murray's Maximum/Reaction tires and Velocity stem complete this outstanding performance package. The titanium mountain bike. Light years ahead.



GOOD DESIGN

BRODIE GATORBLADE FORK



The fork that Mountain Bike Action acclaimed as "One of the most innovative designs of 1989" has significant improvements in strength and performance in 1990. A new cromoly fork blade, exclusive to Brodie, with a 1" diameter and a 1.1mm-0.7mm wall is joined to a special investment cast dropout. The precision machined T6 6061 aluminum crown is heated and joined to the reinforced cromoly steerer, then cooled, effecting a permanent union. The blade is inserted and loctited in place with 10mm cromoly bolts. Testing proves that GatorBlades are at least two times stronger than the best welded or brazed joint. Union Power.

AIR TIME

ON BOARD INSTANT AIR.

In the heat of competition, a flat tire can take you out of the running. Compressed air cartridges are a solution, but fumbling for them and the adaptor wastes precious time.

Brodie Air Time is a complete package of on board instant air. It consists of two 16 gram air cartridges and an adaptor which fit perfectly underneath your water bottle cage in the Air Time holder. Air Time is ready when you need it. Instantly.

BRAKE BOOSTER

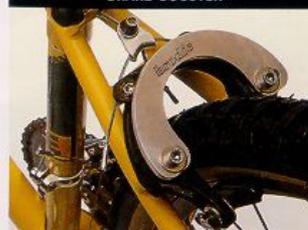
A REINFORCED STOP.

The Original Brodie Brake Booster is still the best improvement you can make to your brakes. The reduced flex in your brake bosses will improve your braking performance when you install this super-strong T6 6061 machined aluminum brake stiffener.

AIR TIME



BRAKE BOOSTER





S P E C I F I C A T I O N S

KONA FIRE MOUNTAIN

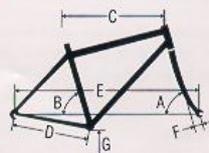
KONA LAVA DOME

KONA CINDER CONE

KONA EXPLOSIIF

FRAME	CROMOLY PG. MAIN	ISHITAWA CROMOLY DOUBLE-BUTTED	KONA CROMOLY DOUBLE-BUTTED	TANGE CONCEPT
FORK	PROJECT TWO	PROJECT TWO	PROJECT TWO	TRACK TWO
HEADSET	SEALED TECH	SEALED TECH	SEALED TECH	SEALED TECH
CRANKS	SHIMANO EXAGE 300 LX	SAKAE SR X-1	SUNTOUR XCD	SUNTOUR XC COMP
CHAINRINGS	SHIMANO BIOPACE	SAKAE SR POWERINGS	SUNTOUR POWERINGS	SUNTOUR POWERINGS
BOTTOM BRACKET	TANGE WITH GREASEALER	TANGE WITH GREASEALER	TANGE WITH GREASEALER	SUNTOUR XC COMP W/GREASEALER
PEDALS	LXT	LXT	SUNTOUR XCD COMP	SUNTOUR XC COMP
CHAIN	SHIMANO HYPERGLIDE	SUNTOUR ACCUSHIFT PLUS	SUNTOUR XCD ACCUSHIFT PLUS	SUNTOUR XC COMP ACCUSHIFT PLUS
FREEWHEEL	SHIMANO HYPERGLIDE 13-34 7 SPEED	SUNTOUR ACCUSHIFT PLUS 13-30 7 SPEED	SUNTOUR XCD ACCUSHIFT PLUS 13-30 7 SPEED	SUNTOUR XC PRO ACCUSHIFT PLUS 13-30 7 SPEED
DERAILLEURS	SHIMANO EXAGE 300 LX 7 SPEED WITH STI	SUNTOUR X-1 ACCUSHIFT PLUS 7 SPEED WITH X-PRESS SHIFTERS	SUNTOUR XCD ACCUSHIFT PLUS 7 SPEED WITH X-PRESS SHIFTERS	SUNTOUR XC COMP ACCUSHIFT PLUS 7 SPEED WITH X-PRESS SHIFTERS
HANDLEBAR	KONA MTB	KONA MTB CROMOLY	KONA MTB CROMOLY	KONA MTB CROMOLY
STEM	KONA CROMOLY	KONA ICR	VELOCITY	VELOCITY
BRAKES - FRONT	SHIMANO EXAGE 300 LX	DIA COMPE X-1 CANTILEVER	SUNTOUR XCD CANTILEVER	SUNTOUR XC COMP CANTILEVER
BRAKES - REAR	SHIMANO EXAGE 500 LX W/U-H	DIA COMPE X-1 CANTILEVER	SUNTOUR XCD SELF-ENERGIZING CANTILEVER	SUNTOUR XC COMP SELF-ENERGIZING CANTILEVER
BRAKE LEVERS	SHIMANO EXAGE 300 LX W/STI	DIA COMPE SHORTSTOP	SUNTOUR XCD SHORTY	SUNTOUR XC COMP SHORTY
HUBS	SHIMANO EXAGE 500 LX CASSETTE	SUNTOUR X-1 CASSETTE	SUNTOUR XCD CASSETTE	SUNTOUR XC COMP CASSETTE
RIMS	MISTRAL M20T SILVER	MISTRAL M20T SILVER	UKAI UM-20 SILVER	UKAI UM-20 SILVER
TIRES - FRONT	RITCHEY QUAD 1.6	MAXIMUM 26 X 2.2	MAXIMUM 26 X 2.2	MAXIMUM 26 X 2.2
TIRES - REAR	RITCHEY QUAD 1.6	REACTION 26 X 2.0	REACTION 26 X 2.0	REACTION 26 X 2.0
SADDLE	AVOCET TOURING	AVOCET RACING	AVOCET RACING I	AVOCET RACING I
SEAT POST	KALLOY 300mm ALLOY	KALLOY SP 242 300mm	KALLOY SP 242 300mm	KALLOY 246mm 300mm
COLORS	BLUE/WHITE SPLASH	FLUORESCENT RED	WHITE/RED/BLUE SPLASH	BLACK/PINK/BLUE SPLASH
BRAZE-ONS	FENDER MOUNTS, REAR RACK, TWO WATER BOTTLES	FENDER MOUNTS, REAR RACK, TWO WATER BOTTLES	FENDER MOUNTS, TWO WATER BOTTLES	FENDER MOUNTS, TWO WATER BOTTLES

G E O M E T R Y



	A	B	C	D	E	F	G
16"	70.5	73	21.5"	16.9"	41.2"	1.75"	11.5"
18"	70.5	73	22.25"	16.9"	42.0"	1.75"	11.7"
19"	70.5	73	22.75"	16.9"	42.5"	1.75"	11.7"
21"	70.5	73	23.25"	16.9"	43.2"	1.75"	11.7"

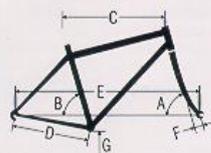
Specifications subject to change without notice.

brodie

S P E C I F I C A T I O N S

	BRODIE CLIMBMAX	BRODIE CATALYST	BRODIE ROMAX	KONA TITANIUM
FRAME	TANGE PRESTIGE	TANGE CONCEPT	TANGE PRESTIGE	MERLIN TITANIUM ALLOY 3-2½
FORK	PROJECT TWO	TRACK TWO	BRODIE GATORBLADES	TRACK TWO
HEADSET	TANGE CD	TANGE CD	SHIMANO 105	SHIMANO 105
CRANKS	SHIMANO DEORE DX	SUNTOUR XC COMP	SHIMANO DEORE XT	SHIMANO DEORE XT
CHAINRINGS	SHIMANO DEORE DX SUPERGLIDE	SUNTOUR POWERINGS	SHIMANO SUPERGLIDE	SHIMANO SUPERGLIDE
BOTTOM BRACKET	SHIMANO DEORE DX	SUNTOUR XC PRO W/GREASE GUARD	SHIMANO DEORE XT	SHIMANO DEORE XT
PEDALS	SHIMANO DEORE DX COMP WITH JOE'S CLIPS	SUNTOUR XC COMP WITH JOE'S CLIPS	SHIMANO DEORE XT COMP WITH JOE'S CLIPS	SHIMANO DEORE XT COMP WITH JOE'S CLIPS
CHAIN	SHIMANO DEORE DX HYPERGLIDE	SUNTOUR XC COMP ACCUSHIFT PLUS	SHIMANO DEORE DX HYPERGLIDE	SHIMANO DEORE DX HYPERGLIDE
FREEWHEEL	SHIMANO DEORE DX 12-28 7 SPEED HYPERGLIDE	SUNTOUR XC PRO ACCUSHIFT PLUS 13-30 7 SPEED	SHIMANO DEORE DX HYPERGLIDE 12-28 7 SPEED	SHIMANO DEORE DX HYPERGLIDE 12-28 7 SPEED
DERAILLEURS	SHIMANO DEORE DX W/STI 7 SPEED WITH X-PRESS SHIFTERS	SUNTOUR XC COMP ACCUSHIFT PLUS 7 SPEED WITH X-PRESS SHIFTERS	SHIMANO DEORE XT W/STI	SHIMANO DEORE XT W/STI
HANDLEBAR	KONA MTB CROMOLY	KONA MTB CROMOLY	TANGE PRESTIGE	TANGE PRESTIGE
STEM	VELOCITY	VELOCITY	VELOCITY	VELOCITY
BRAKES - FRONT	SHIMANO DEORE DX CANTILEVER	SUNTOUR XC COMP CANTILEVER	SHIMANO DEORE XT CANTILEVER	SHIMANO DEORE XT CANTILEVER
BRAKES - REAR	SHIMANO DEORE DX U-BRAKE W/U-II	SUNTOUR XC COMP SELF-ENERGIZING CANTILEVER	SHIMANO DEORE XT U-BRAKE W/U-II	SHIMANO DEORE XT U-BRAKE W/U-II
BRAKE LEVERS	SHIMANO DEORE DX 2 FINGER	SUNTOUR XC COMP SHORTY	SHIMANO DEORE XT SHORTY	SHIMANO DEORE XT SHORTY
HUBS	SHIMANO DEORE DX CASSETTE	SUNTOUR XC COMP CASSETTE	SHIMANO DEORE XT CASSETTE	SHIMANO DEORE XT CASSETTE
RIMS	ARAYA RM-20 NARROW	ARAYA RM-20 NARROW	ARAYA RM-20 NARROW	ARAYA RM-20 NARROW
TIRES - FRONT	MAXIMUM 26 X 2.2	MAXIMUM 26 X 2.2	MAXIMUM 26 X 2.2	MAXIMUM 26 X 2.2
TIRES - REAR	REACTION 26 X 2.0	REACTION 26 X 2.0	REACTION 26 X 2.0	REACTION 26 X 2.0
SADDLE	AVOCET RACING I	AVOCET RACING I	AVOCET RACING II	AVOCET RACING II
SEAT POST	SUNTOUR XCD	SUNTOUR XCD	SUNTOUR XCD	SUNTOUR XC COMP
COLORS	MOST DUPONT IMRON	MOST DUPONT IMRON	MOST DUPONT IMRON	NAKED
BRAZE-ONS	TWO WATER BOTTLES	TWO WATER BOTTLES		TWO WATER BOTTLES
OPTION	SUNTOUR PRO/COMP GROUP W/TRACK TWO FORK			SUNTOUR PRO/COMP GROUP

G E O M E T R Y



	BRODIE CLIMBMAX/CATALYST/ROMAX							KONA TITANIUM							
	A	B	C	D	E	F	G	A	B	C	D	E	F	G	
16"	70.5	74	22.0"	16.8"	42.0"	1.75"	11.8"	17"	71	74	21.5"	16.7"	41.2"	1.75"	11.5"
18"	70.5	74	22.7"	16.8"	42.5"	1.75"	11.8"	19"	71	74	22.5"	16.7"	42.2"	1.75"	11.9"
19"	70.5	74	23.1"	16.8"	42.9"	1.75"	11.8"	21"	71	74	23.2"	16.7"	42.2"	1.75"	11.9"
20.5"	70.5	74	23.2"	16.8"	43.2"	1.75"	11.8"								

Specifications subject to change without notice.



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