

SELEZIONE



TECNOLOGIE

STM

MECCANICHE

STM History



STM, run by the brothers Vito e Oronzo Strada was born in 1981 like workshop specialized in precision mechanics.

Till the summer of 1989 the society concentrated its production on the mechanism of the industrial automation. During the summer Mr. Strada was visited by a strange person, keen of MTB, who wanted construct light and efficacious brake for his YETI FRO. Started in this way, almost for fun, the STM adventure in the production of high quality bicycles components. The skilful and meticulous hand of Mr. Strada gave birth to other components: hubs on bearings with ergal body - first in Italy - skewers and titanium bottom bracket.

In 1991, considering the torsion problems of suspension forks, STM decided to realize an upside-down suspension fork, always with the use of cantilever brakes.

The 1992 saw the exordium in races of the fork with a travel of 38 mm., increased in the summer till 50 mm, to allow the young French Nicolas Vouilloz to win his first world championship.

From commercial point of view, during this period all STM products were sold with the name "MAX CONCEPT" from the name of the French importer. In 1993 STM increased its engagement in agonistic races, sponsoring besides Vouilloz, NolvilleLeCaer and Laetitia Holweck also the Italian team GT PATS with Stefano Migliorini. At the end of the season the objectives went further the most roses expectations: two national champions, one european champion and two european vice-champions, one world champion and one vice-champion.

In the meanwhile STM started to sell its products with its own logo represented by the characteristic stone-age man, which is a symbol of STM products quality.

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FORKS



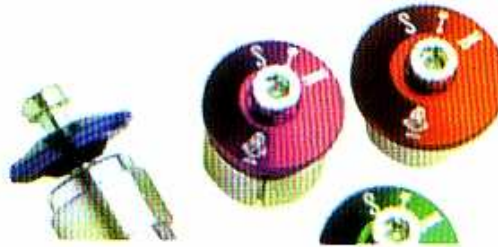
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ANTI-CHAIN FALL



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HUBS



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AHEADSET & C.



SKEWERS



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BRAKE LEVER



Upside down forks

STM follows a special philosophy, the upside-down system.

The particular upside-down structure with microcellular (MCU) elastomers assures, with the hub, an unique rigidity to the torsion and a big reduction of the masses in movement.

The little flaw of the weight for the upside down construction is compensated by the rigidity.

For all STM forks the quality and the efficiency for long time are guarantee by the perfect construction and by the high quality materials used.

All parts which make up STM forks are got from the billet with precision CNC machines.

The small number of faults shows the perfection of STM philosophy.

MCU system



The suspension and the return are assured by microcellular elastomers. Their particular features are the lightness and a good control of the return.

The elastomers are easily replaceable from the top without the use of any particular tool.

With the fork are supplied spare elastomers of different hardnesses and the maintenance instructions.

STM provide an unique service: the suspension fork in personalized hardness for the customer' use and weight. An other feature very important is the possibility to lubricate the fork from the outside through a hole made on the upper tubes, protected by an elastic band.



MCU

Made for cross country, this fork assures a super reliability and an optimum comfort.

DAMPING: ELASTOMERS MCU

TRAVEL: 52 mm.

WEIGHT: 1,4 Kg.

COLORS: red, blue, silver and black

REPLACEABLES ELASTOMERS

FROM THE TOP

POSSIBILITY TO SET UP THE HYDRAULIC CARTRIDGE

STEER TUBE SIZES: 1", 1 1/8", 1 1/4"

COMPLETELY ANODIZED

MATERIALS

CROWN : 7075 from billet (CNC)

UPPER TUBES : 7075 from billet(CNC)

LOWER LEGS : 7075 hard anodized

EXTERNAL ANODIZED TUBES: 6082 alu
double-buttet 0,5/0,8/0,5 mm

BRAKE ARCH: 7075 from billet (CNC)

STEER TUBE : COLUMBUS CR-MO reinforced



E

Like the model MCU this fork is made for cross country and it has the same function and features.

The differences :

- the BRAKE ARCH
- it's available only one color
- for the steer tube are available only two sizes :
1" e 1" 1/8
- the price is lower



ADS system

Differently from the MCU fork, the work for the return control is made by an hydraulic cartridge - completely constructed by STM - which is set in one of the lower legs.



The cartridge is made in aluminium.

The return is adjustable from outside with a screw set under the lower leg.

The weight, for a different construction, is not much higher than MCU's.

The ADS cartridge can be set up without problems on MCU and E forks.



Spring system

For the winter season and the region where the cold is very intense is now available the new kit of springs.

It allows to replace two or more elastomers with a spring, according to the customer.

The kit is made of one or more springs in steel and the pieces who limited the travel.

It is possible to set up this kit on all STM forks.

This kit is sold like accessory and it allows the biker to adjust the fork work, alternating spring and elastomers, according to bikers' preferences.



ADS 72

Born like a downhill fork, now the ADS 72 represent the best for cross country, allowing to obtain optimum performance.

DAMPING: elastomers + hydraulic cartridge

TRAVEL: 72mm

WEIGHT: 1,510 Kg

COMPLETELY ANODIZED

COLORS : red, blue, silver, black

REPLACEABLES ELASTOMERS FROM THE TOP

STEER TUBE SIZES: 1", 1 1/8", 1 1/4"

MATERIALS

CROWN: 7075 from billet (CNC)

UPPER TUBES: 7075 from billet (CNC)

BRAKE ARCH: 7075 from billet (CNC)

LOWER LEGS: 7075 hard anodized

EXTERNAL ANODIZED TUBES: 6082 alu double-buttet 0,5/0,8/0,5 mm

ELASTOMERS: MCU

INTERNAL BUSHINGS: teflon

STEER TUBE: COLUMBUS CR-MO reinforced

CARTRIDGE: aluminium

OIL: CASTROL FORK OIL EXTRA LIGHT 5W

For a personalization of the hydraulic element can be replaced the oil changing the density .

ADS 92

For downhill and dual slalom races with not so high difficulties and for all person who want fun in total security.

DAMPING: elastomers+hydraulic cartridge

TRAVEL: 92mm

WEIGHT: 1,720 Kg

COMPLETELY ANODIZED

COLORS: red, blue, silver and black

STEER TUBE SIZES : 1 1/8", 1 1/4"

MATERIALS

The same of ADS 72

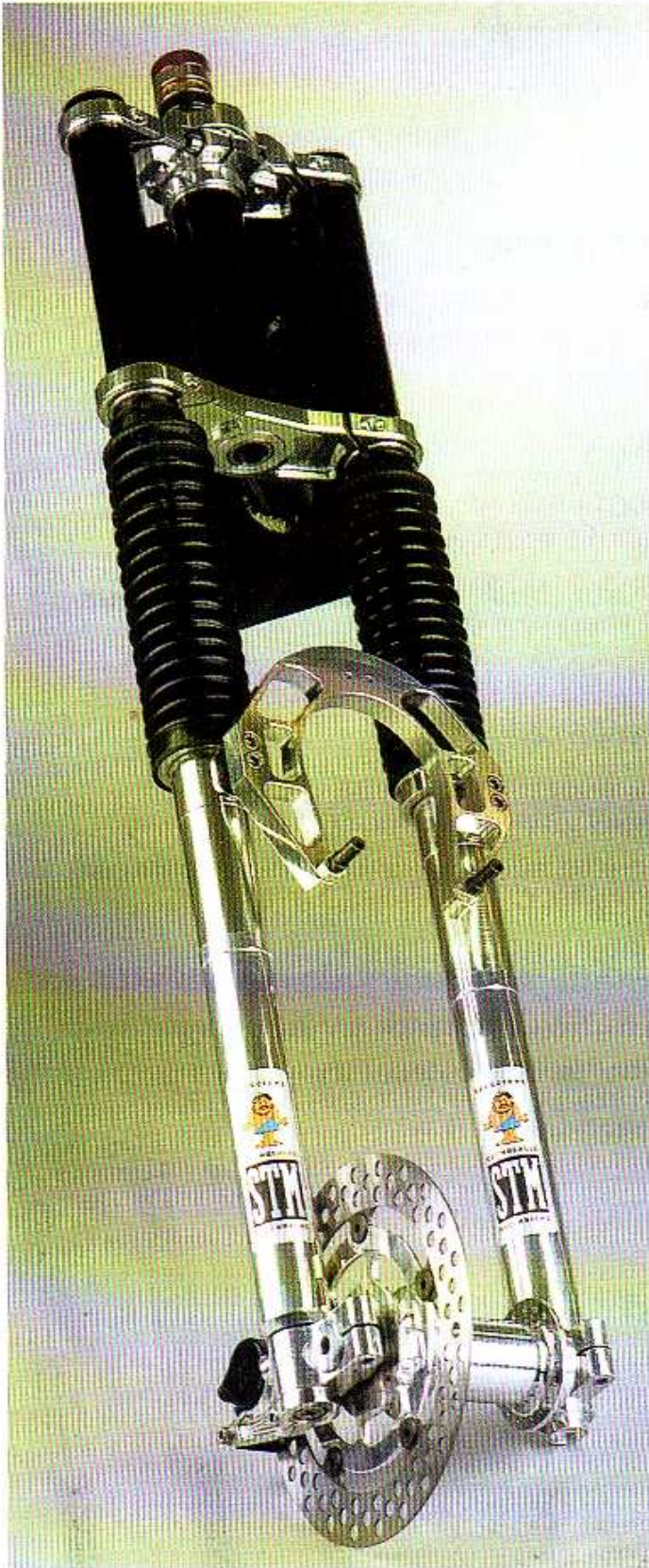
FOR THIS MODEL

A STRONGER

BRAKE ARCH



DOWNHILL DOUBLE CROWN



- *DAMPING: spring + elastomers + hydraulic cartridge*
- *TRAVEL: 140 mm*
- *Upside down fork*
- *It's sold with aheadset and hub*
- *Possibility to set up one or two disks and also cantilever brake*
- *Exclusive patented system on the crown which allows to change the rake of 3 grades ahead and 1 grade back*
- *Hydraulic cartridge adjustable from outside*
- *Hole on the upper tubes to lubricate the fork from outside*

Anti chain fall kit '97



- Made of aluminium with high resistance
- Realized with the collaboration of the champion Nicolas Vouilloz
- Lasered STM logo on each part

SUPERIOR PART

- Set up instead of the front derailleur
- It doesn't allow the chain to fall

INFERIOR PART

- Set up on the bottom bracket
- By a particular spring, in case of big unevenness, the anti-chainfall rotates and it returns in the original position

Cross Country Hubs

Front

- MATERIALS

axle : 7075

body : 7075 from billet

cuples : 7075 from billet

- bearings : SKF 6000 2RZ
low friction
- DRILLING: 28-32-36
- FLANGES DIAMETER: 54mm.
- WEIGHT: 120 gr
- COLORS: silver, pewter, blue, black, red, orange
- Lasered STM logo



Rear

- MATERIALS

axle : 7075

body : 7075 from billet

cuples : 7075 from billet

bearings : SKF 6000 2 RZ low friction

freewheel body: SHIMANO 600 ULTEGRA

- DRILLING: 28-32-36
- FLANGES DIAMETER: 54 mm
- WEIGHT: 330 gr
- COLORS: silver, pewter, red, blue, orange, black
- Lasered STM logo

Front suspension hub

- MATERIALS

axle : titanium

body : 7075 from billet

cuples : 7075 from billet

bearings : SKF 6001 2RZ

- DRILLING: 32-36
- WEIGHT: 210 gr W/skewers
- Steel allen bolt skewers w/titanium rings
- Colors : silver, pewter, red, blue, orange, black



Rear suspension hub

- MATERIALS

axle : titanium

body : 7075 from billet

cuples : 7075 from billet

bearings : SKF 6000 2RZ low friction

freewheel body : SHIMANO 600 ULTEGRA

skewers : steel nut w/titanium rings

- DRILLING: 32-36
- FLANGES DIAMETER: 54mm.
- WEIGHT: 365 gr.
- Normal cross country hub can be upgradated to suspension



Ahead combo

- The AHEAD COMBO STM replaces the original steel spider and the nylon cap in the aheadset steering system
- Sizes : 1", 1 1/8", 1 1/4"
- Material : 7075
- Colors : silver, blue, red, pewter, orange



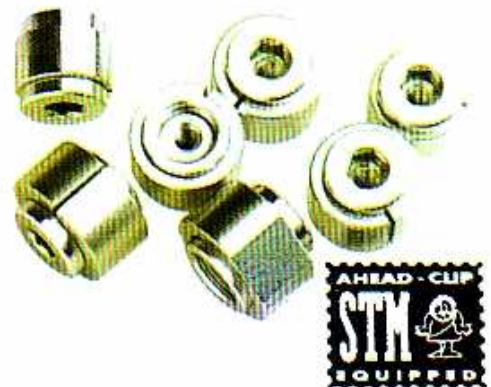
Aheadcap

- Replaces the original nylon cap in the aheadset steering system
- Sizes : 1", 1 1/8", 1 1/4"
- Colors : silver, red, blue, pewter and orange
- Material : 7075



Aheadclip

- The simple expander replaces the original steel spider in the aheadset steering system
- Can be used for more than one time
- Material : 7075
- Sizes : 1", 1 1/8", 1 1/4"





Aheadring

- Ring to adjust stem's height
- Material : 7075
- Colors : silver, pewter, red, blue, orange



Ahead kit

Ahead Combo + 3 Ahead Ring

Extralight steer tube with ahead set

- Realized with a special alu 7075 tube
- A new construction system allows to reduce the weight of 100 gr
- The system consists of :
 - 7075 steer tube
 - ahead set on bearings
 - ahead clip
 - ahead cap
 - 3 ahead ring



Brake lever

- Perfectly ergonomic
- Made from billet with CNC machines
- Grip Shift compatible
- Weight : 84 gr pair

MATERIALS

lever : 7075
collar : 7075
pivot : titanium

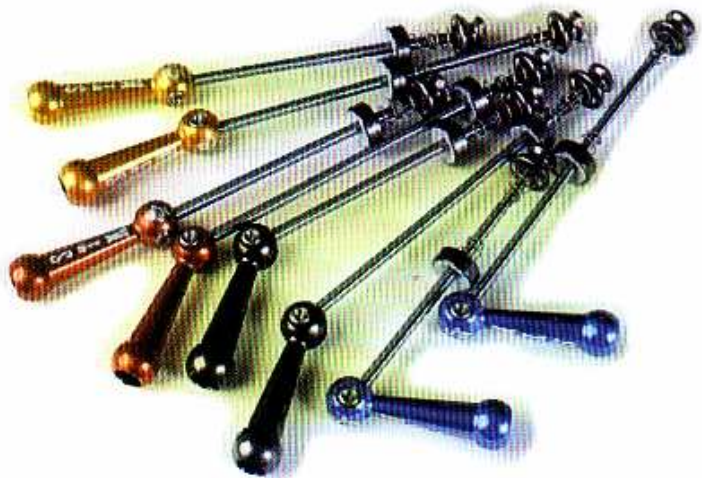


Wheel Quick Releases

- Round shape
- Optimum comfort
- Lasered STM logo
- Weight : 88gr front+rear
- Also available with steel axle
- Colors : silver, pewter, blue, black, red

MATERIALS

lever : 7075 from billet
axle : titanium
nut : 7075 from billet
spring : inox steel

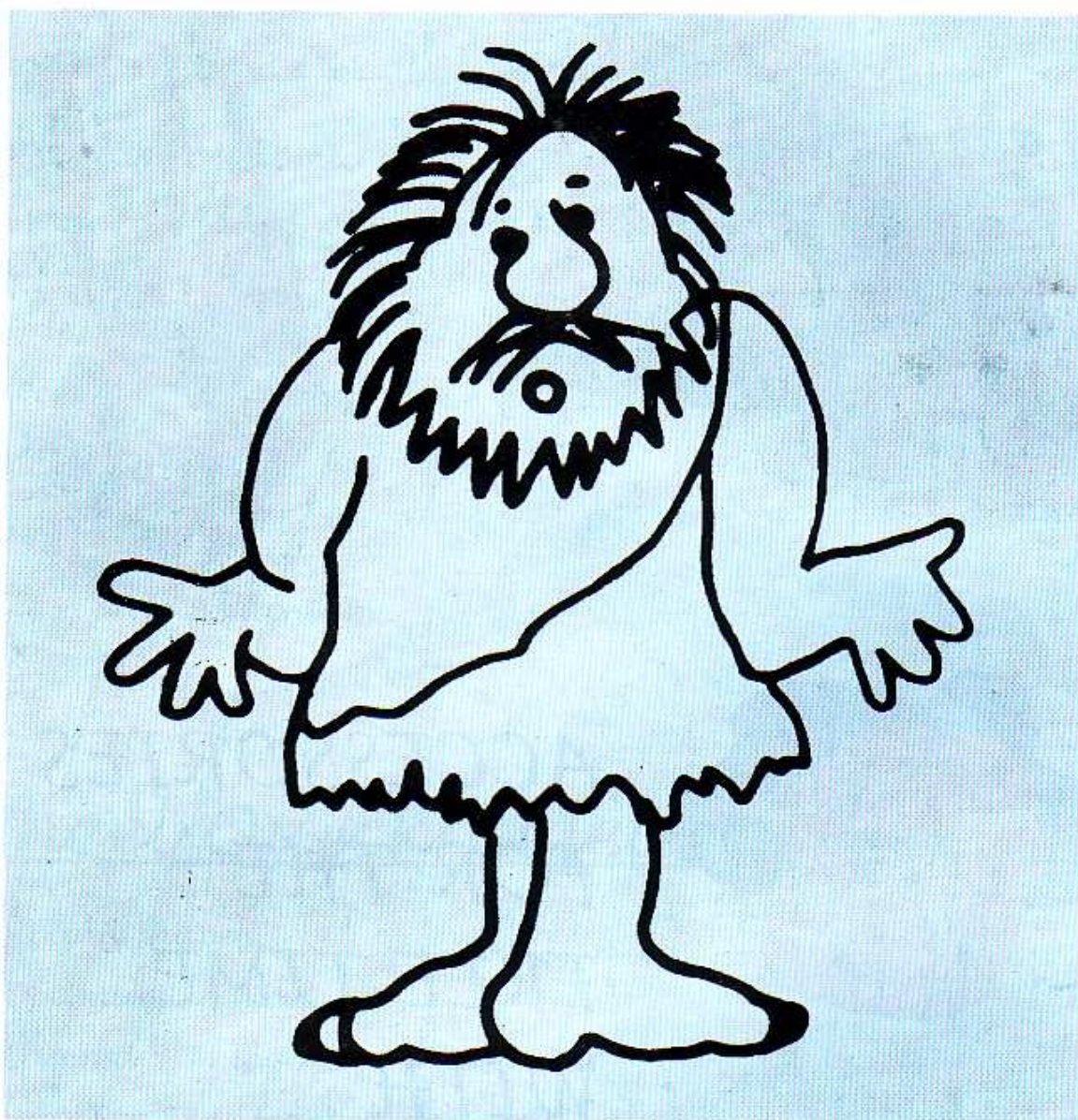


Peculiarity: the spring is fixed and it can't fall



ACCESSORIES
FOR THE
FREE TIME
WITH
"STM" LOGO





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