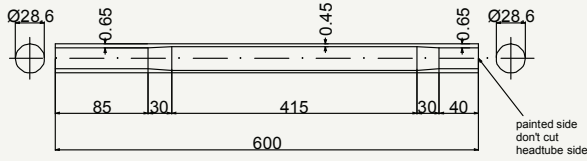
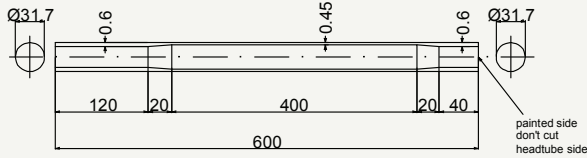


# Zero class top tubing



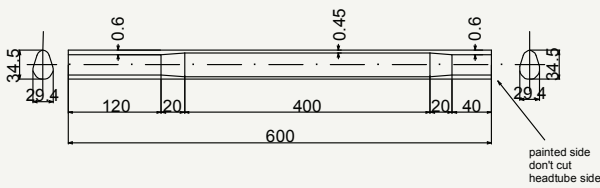
cod : MTO286A303

State	Weight	Use
HTS	196 g	Road



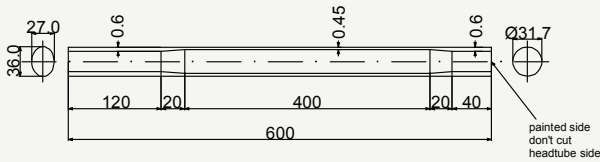
cod : MTO317A502

State	Weight	Use
HTS	230 g	Road - Cyclocross - MTB



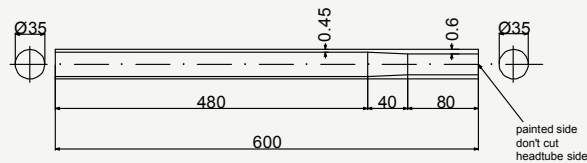
cod : MTO317A50240

State	Weight	Use
HTS	230 g	Road - Cyclocross - MTB



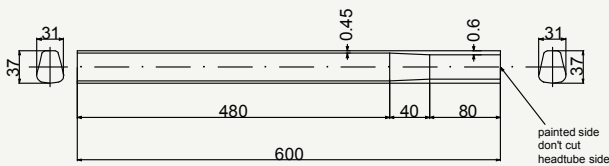
cod : MTO317A50230

State	Weight	Use
HTS	230 g	Road - Cyclocross - MTB



cod : MTO350K601

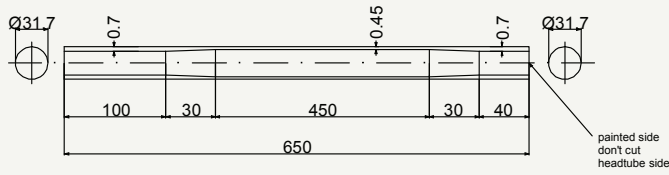
State	Weight	Use
HTS	256 g	Road



cod : MTO350K60111

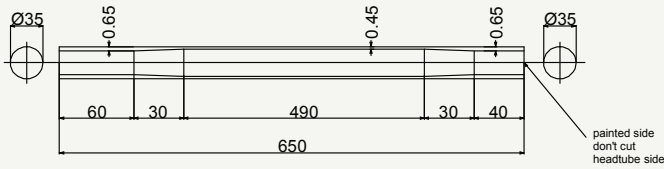
State	Weight	Use
HTS	256 g	Road

# Zero class down tubing



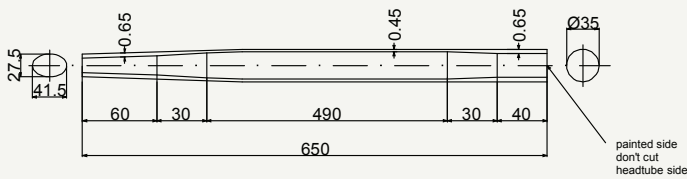
cod : MTQ317A503

State	Weight	Use
HTS	268 g	Road



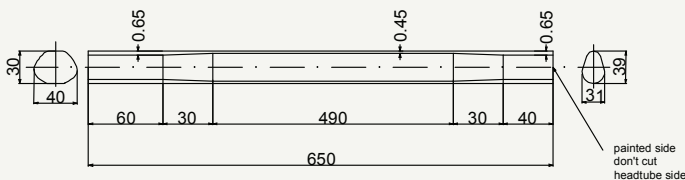
cod : MTQ350A702

State	Weight	Use
HTS	285 g	Road



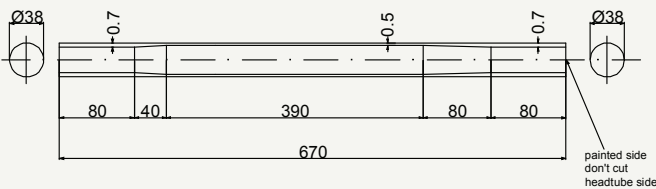
cod : MTQ350A705

State	Weight	Use
HTS	285 g	Road



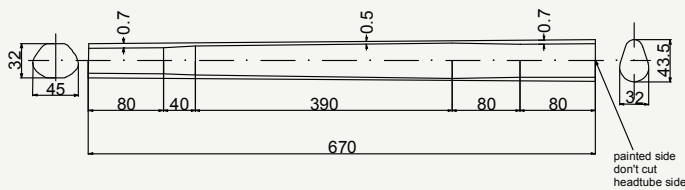
cod : MTQ350A70242

State	Weight	Use
HTS	285 g	Road



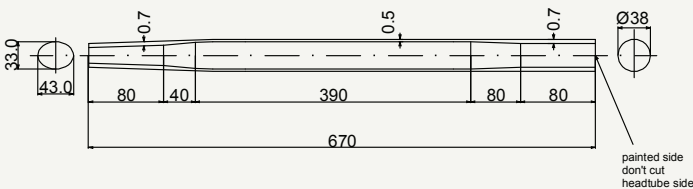
cod : MTQ380A801

State	Weight	Use
HTS	373 g	Road - Cyclocross - MTB



cod : MTQ380A80141

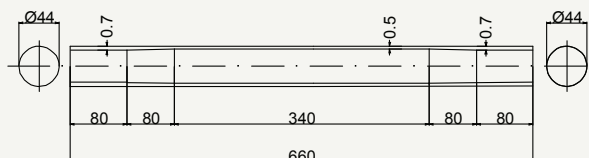
State	Weight	Use
HTS	373 g	Road - Cyclocross - MTB



cod : MTQ380A805

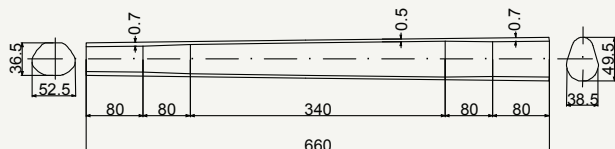
State	Weight	Use
HTS	373 g	Road - Cyclocross - MTB

# Zero class down tubing



cod : MTQ440K902

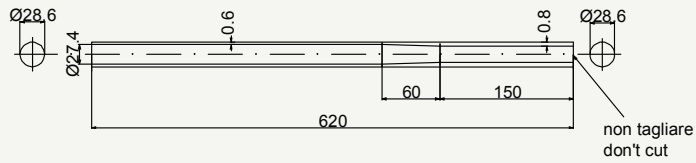
State	Weight	Use
HTS	390 g	Road - Cyclocross - MTB



cod : MTQ440K901

State	Weight	Use
HTS	390 g	Road - Cyclocross - MTB

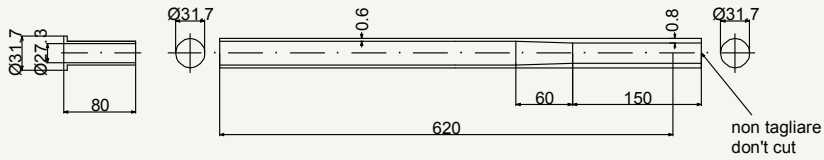
# Zero class seat tubing



cod : MTV286A304

State	Weight	Use
HTS	297 g	Road

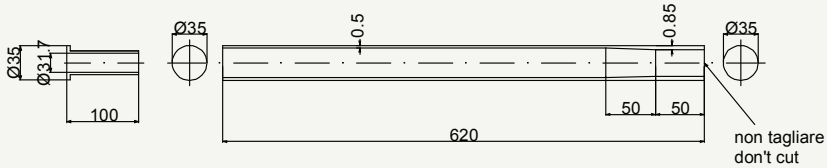
Aluminium sleeve to be glued



cod : MTV317B303

State	Weight	Use
BKS	346 g	Road

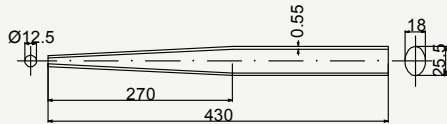
Aluminium sleeve to be glued



cod : MTV350A601

State	Weight	Use
BKS	365 g	Road

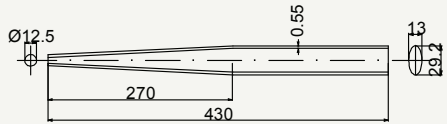
# Zero class chain stay



SIDE VIEW

cod : MPO222A303

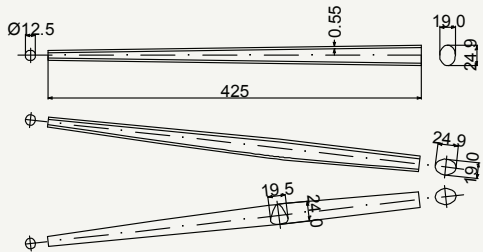
State	Weight	Use
HTS	126 g	Road



SIDE VIEW

cod : MPO222A102

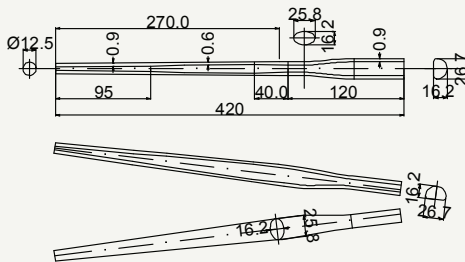
State	Weight	Use
HTS	126 g	Road



SIDE VIEW

cod : MPO222A101

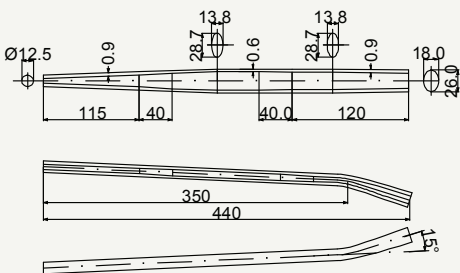
State	Weight	Use
HTS	126 g	Road



SIDE VIEW

cod : MPO222B104

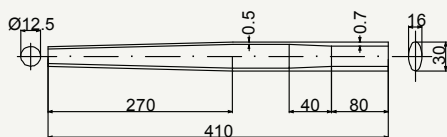
State	Weight	Use
DSR	187 g	Road Disc Brake



SIDE VIEW

cod : MPO222B106

State	Weight	Use
DSR	187 g	MTB

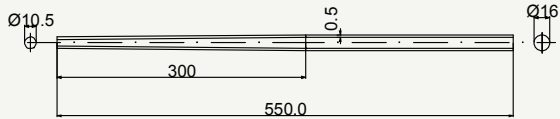


SIDE VIEW

cod : MPO240A203

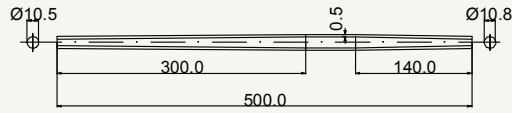
State	Weight	Use
HTS	154 g	Road

# Zero class seat stay



cod : MPV160B201

State	Weight	Use
DSR	104 g	Road



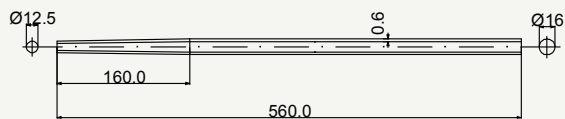
cod : MPV160B202

State	Weight	Use
DSR	93 g	Road



cod : MPV160B203

State	Weight	Use
DSR	102 g	Road



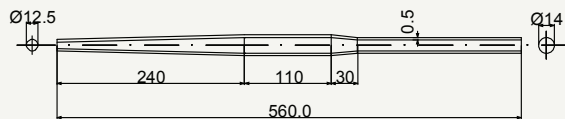
cod : MPV160B205

State	Weight	Use
DSR	105 g	Road



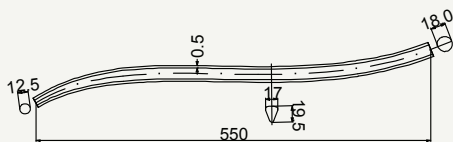
cod : MPV180A501

State	Weight	Use
DSR	116 g	Road



cod : MPV180A502

State	Weight	Use
DSR	110 g	Road



SIDE VIEW

cod : MPV180A505

State	Weight	Use
DSR	116 g	Road

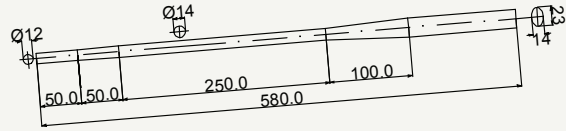
# Zero class seat stay



SIDE VIEW



TOP VIEW



cod : MPV180A508

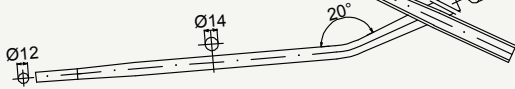
State	Weight	Use
DSR	172 g	Road



SIDE VIEW

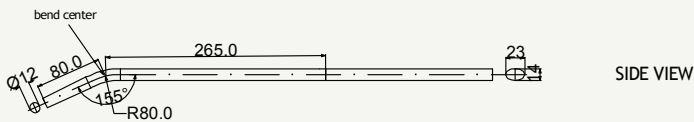


TOP VIEW



cod : MPV180A507

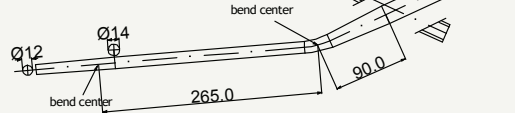
State	Weight	Use
DSR	172 g	Road - MTB



SIDE VIEW

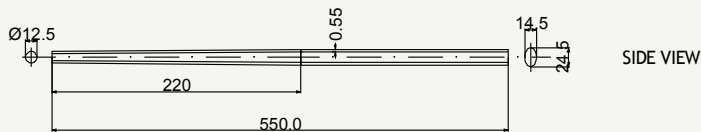


TOP VIEW



cod : MPV180A506

State	Weight	Use
DSR	172 g	Road - MTB

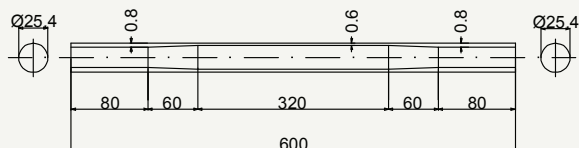


SIDE VIEW

cod : MPV200A701

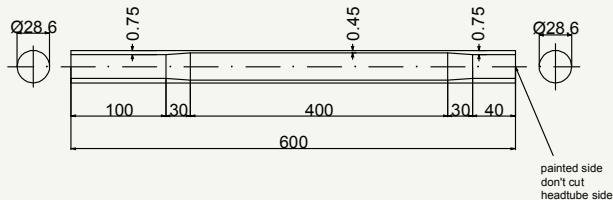
State	Weight	Use
DSR	145 g	Road

# Zero Uno class top tubing



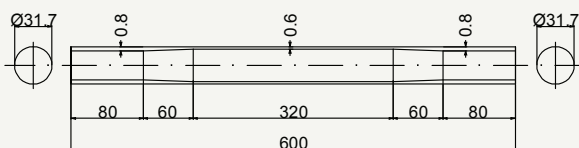
cod : MTO254C102

State	Weight	Use
BKS	242 g	Road



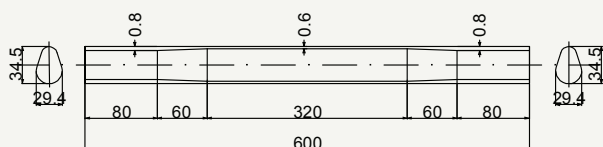
cod : MTO286B301

State	Weight	Use
BKS	247 g	Road



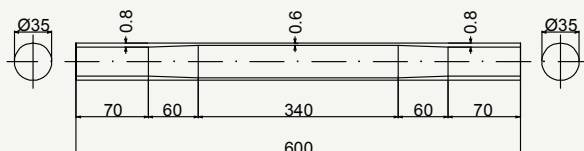
cod : MTO317C501

State	Weight	Use
BKS	338 g	Road - Cyclocross - MTB



cod : MTO317C50140

State	Weight	Use
BKS	338 g	Road - Cyclocross - MTB

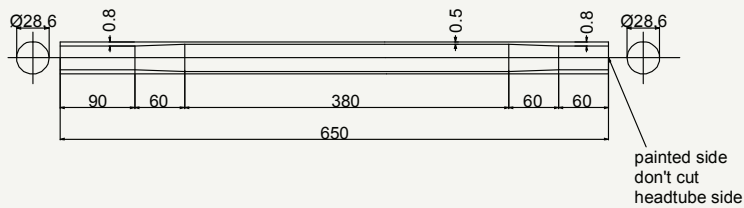


cod : MTO350B703

State	Weight	Use
BKS	365 g	Cyclocross - MTB

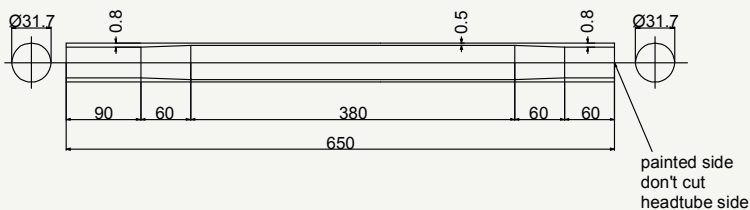


# Zero Uno class down tubing



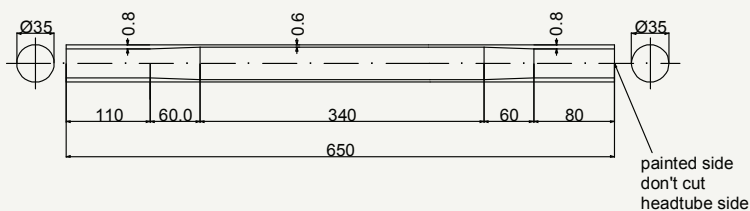
cod : MTQ286B301

State	Weight	Use
BKS	290 g	Road



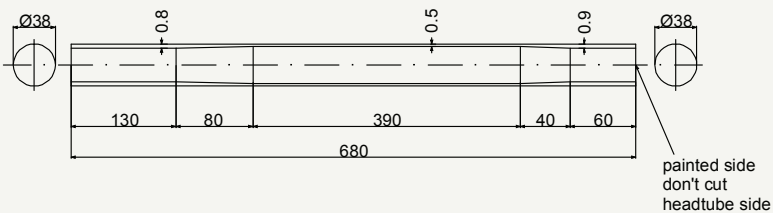
cod : MTQ317B501

State	Weight	Use
BKS	340 g	Road



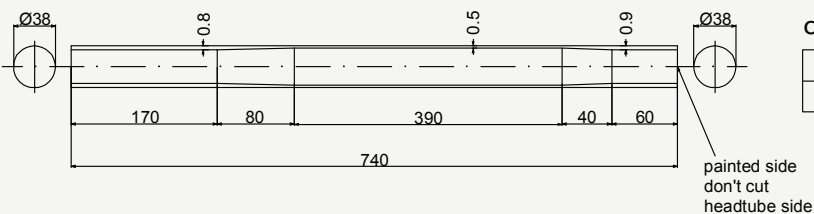
cod : MTQ350B703

State	Weight	Use
BKS	402 g	Road - Cyclocross - MTB



cod : MTQ380B802

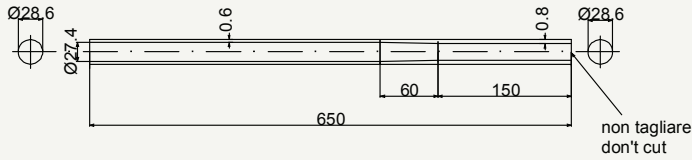
State	Weight	Use
BKS	418 g	Road - Cyclocross - MTB



cod : MTQ380B803

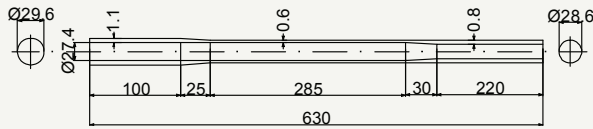
State	Weight	Use
BKS	462 g	MTB 29"

# Zero Uno class seat tubing



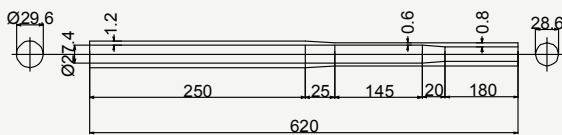
cod : MTV286B301

State	Weight	Use
BKS	312 g	Road



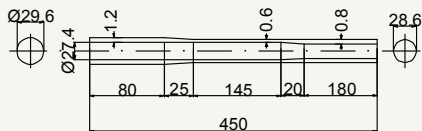
cod : MTV286B310

State	Weight	Use
BKS	333 g	Road - Cyclocross - MTB



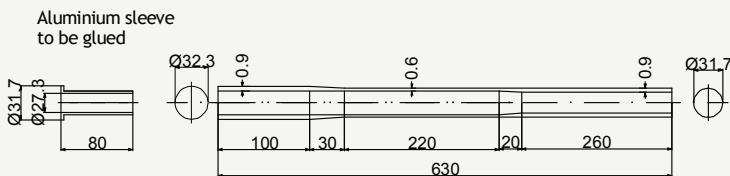
cod : MTV286B311

State	Weight	Use
BKS	393 g	Road Low Geometry



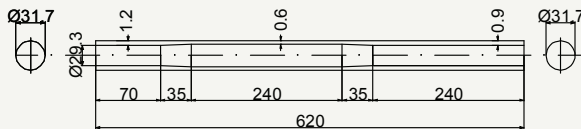
cod : MTV286C306

State	Weight	Use
BKS	258 g	Road - Cyclocross - MTB



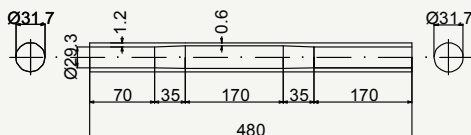
cod : MTV317B304

State	Weight	Use
BKS	397 g	Cyclocross - MTB



cod : MTV317B505

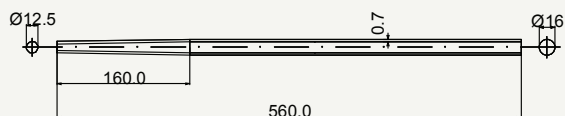
State	Weight	Use
BKS	384 g	Road - Cyclocross - MTB



cod : MTV317B506

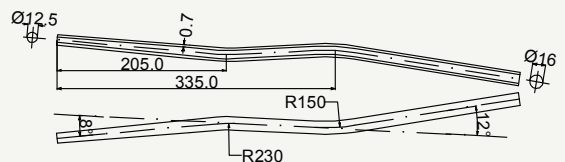
State	Weight	Use
BKS	290 g	Road - Cyclocross - MTB

# Zero Uno class chain stay



cod : MPV160B210

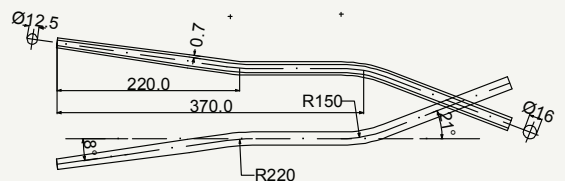
State	Weight	Use
DSR	144 g	Road



TOP VIEW

cod : MPV160B207

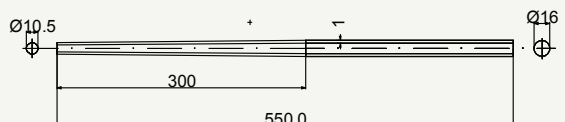
State	Weight	Use
DSR	144 g	Cyclocross



TOP VIEW

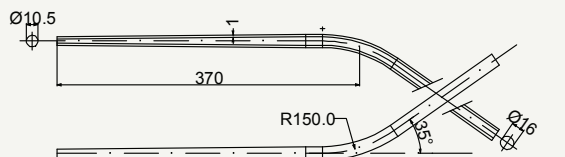
cod : MPV160B208

State	Weight	Use
DSR	144 g	Gravel - MTB 29"



cod : MPV160D201

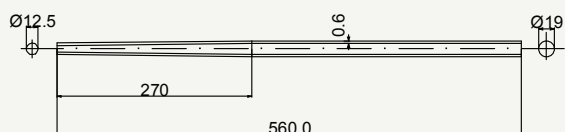
State	Weight	Use
DSR	202 g	Road



TOP VIEW

cod : MPV160D202

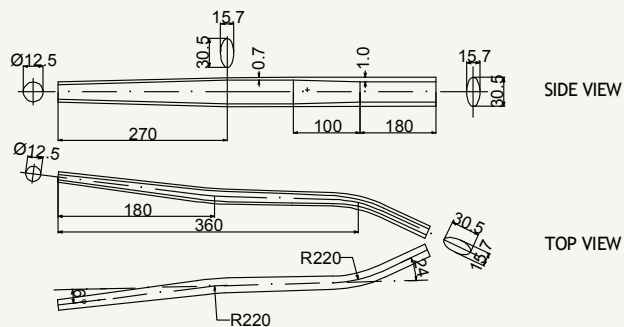
State	Weight	Use
DSR	202 g	Fat Bike



cod : MPV190B604

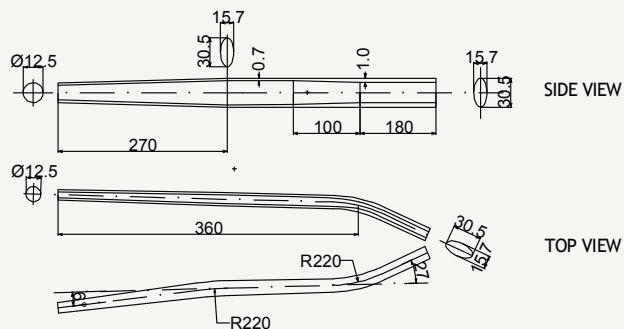
State	Weight	Use
DSR	152 g	Road

# Zero Uno class chain stay



cod : MPO240C2022

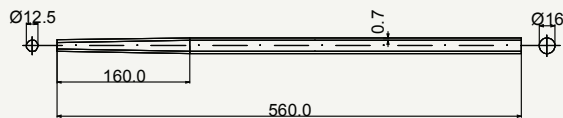
State	Weight	Use
DSR	212 g	Gravel - MTB 29"



cod : MPO240C2023

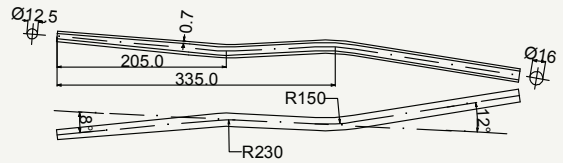
State	Weight	Use
DSR	212 g	Fat Bike

# Zero Uno class seat stay



cod : MPV160B210

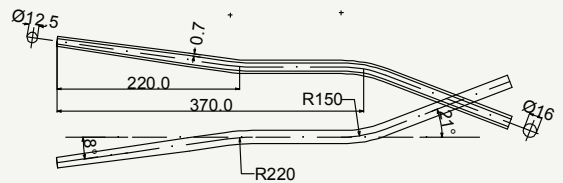
State	Weight	Use
DSR	144 g	Road



TOP VIEW

cod : MPV160B207

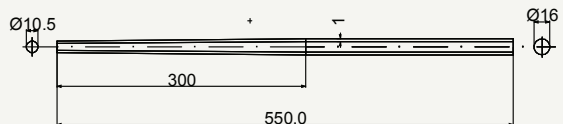
State	Weight	Use
DSR	144 g	Cyclocross



TOP VIEW

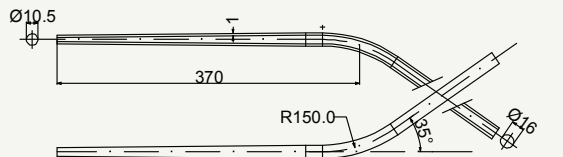
cod : MPV160B208

State	Weight	Use
DSR	144 g	Gravel - MTB 29"



cod : MPV160D201

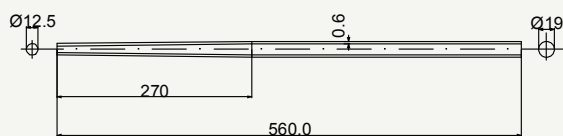
State	Weight	Use
DSR	202 g	Road



TOP VIEW

cod : MPV160D202

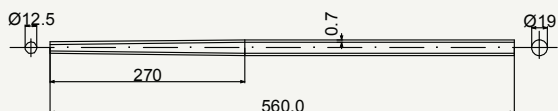
State	Weight	Use
DSR	202 g	Fat Bike



cod : MPV190B604

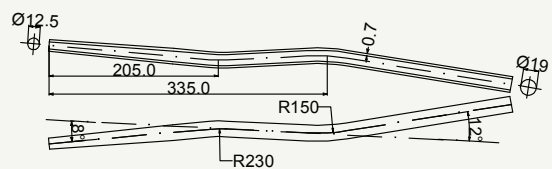
State	Weight	Use
DSR	152 g	Road

# Zero Uno class seat stay



cod : MPV190B601

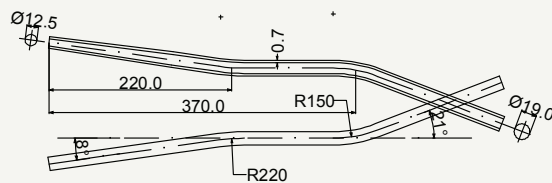
State	Weight	Use
DSR	169 g	Road



TOP VIEW

cod : MPV190B602

State	Weight	Use
DSR	169 g	Cyclocross

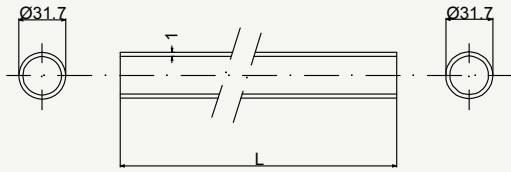


TOP VIEW

cod : MPV190B6022

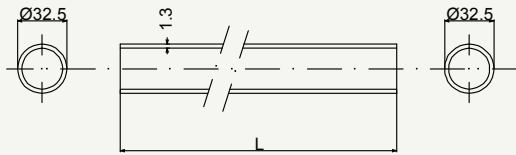
State	Weight	Use
DSR	169 g	Gravel - MTB 29"

# Zero Uno class head tubing



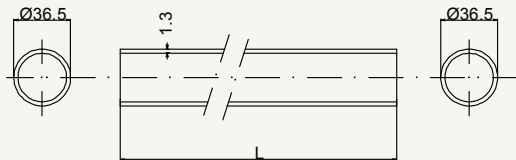
cod : MTS31710200Z

State	Lenght	Weight	Use
DSR	200	150 g	Road



cod : MTS31710650Z

State	Lenght	Weight	Use
DSR	650	489 g	Road

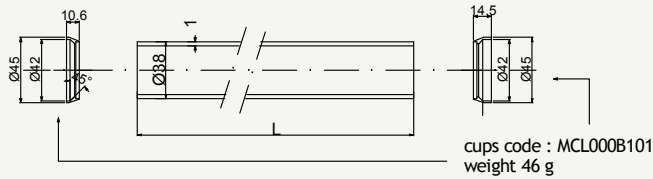


cod : MTS32513200Z

State	Lenght	Weight	Use
DSR	200	198 g	Road - Off Road

cod : MTS32513650Z

State	Lenght	Weight	Use
DSR	650	646 g	Road - Off Road

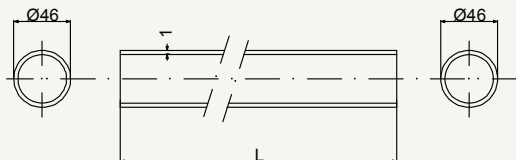


cod : MTS36513200Z

State	Lenght	Weight	Use
DSR	200	224 g	Road - Off Road

cod : MTS36513650Z

State	Lenght	Weight	Use
DSR	650	729 g	Road - Off Road



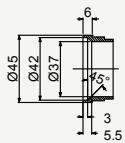
cod : MTS38010200Z

State	Lenght	Weight	Use
DSR	200	181 g	Road - Off Road

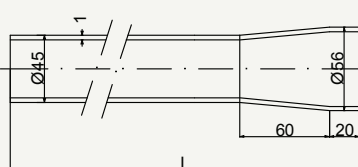
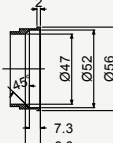
cod : MTS38010650Z

State	Lenght	Weight	Use
DSR	650	588 g	Road - Off Road

Alloy cup  
remove anodization  
before gluing



Alloy cup  
remove anodization  
before gluing



cod : MTS46010200Z

State	Lenght	Weight	Use
DSR	200	245 g	Road - Off Road

cod : MTS46010650Z

State	Lenght	Weight	Use
DSR	650	245 g	Road - Off Road

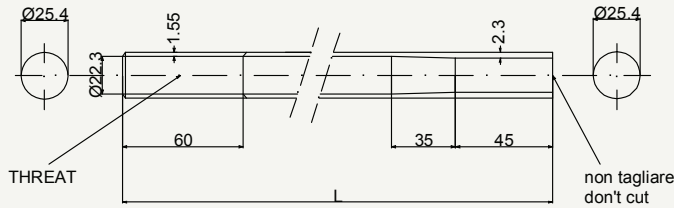
cod : MTS56250 (cups included)

State	Lenght	Weight	Use
DSR	260	360 g	Road - Off Road

cod : MTS56250WOC (cups not included)

State	Lenght	Weight	Use
DSR	260	328 g	Road - Off Road

# Zero Uno class steerer and blades



cod : MCN254180B

State	Lenght	Weight	Use
BKS	180	200 g	Road

cod : MCN254200B

State	Lenght	Weight	Use
BKS	200	225 g	Road

cod : MCN254220B

State	Lenght	Weight	Use
BKS	220	248 g	Road

cod : MCN254240B

State	Lenght	Weight	Use
BKS	240	277 g	Road

cod : MCN254260B

State	Lenght	Weight	Use
BKS	260	299 g	Road

cod : MCN254280B

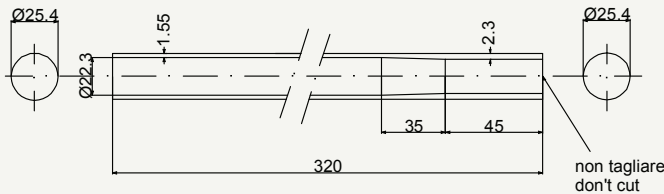
State	Lenght	Weight	Use
BKS	280	312 g	Road

cod : MCN254300B

State	Lenght	Weight	Use
BKS	300	325 g	Road

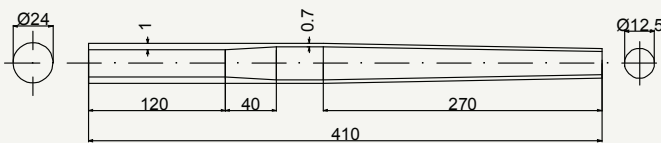
cod : MCN254319B

State	Lenght	Weight	Use
BKS	320	360 g	Road



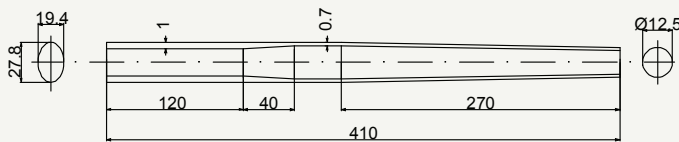
cod : MCN254320B (Threatless)

State	Weight	Use
BKS	360 g	Road



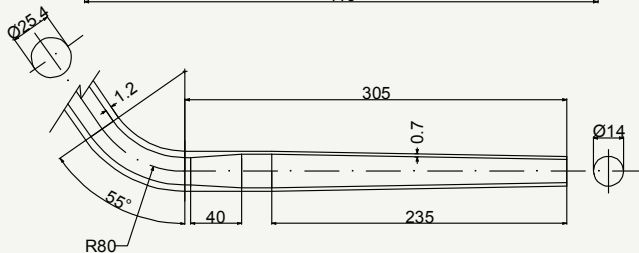
cod : MFT240B105

State	Weight	Use
DSR	208 g	Road - Track



cod : MFT240B103

State	Weight	Use
DSR	208 g	Road



cod : MFU254B201

State	Weight	Use
DSR	302 g	Road







## Chemical composition of EN-10305-1 25CrMo4 steel %

	MIN/MAX
• C	0.22/0.29
• Si	<0.40
• Mn	0.50/0.80
• P	<0.035
• S	<0.035
• Cr	0.90/1.10
• Mo	0.15/0.25
• Ni	<0.01
• Al	<0.01

## Typical Mechanical properties of steel tubing, related to delivery state:

### State HTS (Heat treated, oil quenched and stress released)

Tensile strength           MIN. 1150 N/mm<sup>2</sup>  
  MAX. 1350 N/mm<sup>2</sup>

Elongation AP5%           MIN. 5%  
  MAX. 8%

### State BKS (Drawn and stress released)

Tensile strength           MIN. 850 N/mm<sup>2</sup>  
  MAX. 1100 N/mm<sup>2</sup>

Elongation AP5%           MIN. 6 %  
  MAX. 10 %

### State DSR (Annealed, cold worked and stress released)

Tensile strength           MIN. 450 N/mm<sup>2</sup>  
  MAX. 600 N/mm<sup>2</sup>

Elongation AP5%           MIN. 20 %  
  MAX. 35 %

### Structural analysis data:

Density                       7.85 g/cm<sup>3</sup>  
Modulus of Elasticity      210 GPa  
Yield strength               580 MPa





## Assembling of the tubing Geometrical features

All the Dedacciai tubes and tube sets are designed for assembling frames based on current UCI geometry.

In the choice of tubing for manufacturing a frames, please keep into account the following safety rules:

- Verify that for the selected geometry you will save a butt length longer than the thermal affected zone, and in any case longer than the tube diameter.
- If the butt length of down and top tubing butts are not symmetrical, pay attention in the tube orientation : at the head tube joint the tube must be only mitred, and not cut.
- Depending on geometry, it is always better to keep top and down tubing spaced on head tube. Over imposed tubing geometries are less safe.
- Road recommended tubing can't be used for off-road frames.
- Fixing point and welding cordons closure points can give origin to fatigue cracks, realize them in the less stressed areas of the joints.
- It is recommended to completely weld the seat tube on bottom bracket, and then all other tubing.
- Top tube and seat stays must be approximately aligned at the seat tube joint. If you want to weld the seat stays below the top tube center line, please use the "low geometry (LG)" seat tube





## Welding and post-welding advices

- Before welding the tubing, carefully clean them and remove dirty and grease inside and outside of the tube in the area to be jointed. The surfaces must be smooth and without notches. After mechanical cleaning, use acetone or MEK. Do not use chlorinated solvents.
- The suggested welding wire composition for TIG is C - 0.1% Si 0.5% Mn 1.0 % Cr 1.2 % Mo 0.5 % (i.e. CASTOTIG 680 / AWS A5 ER70S-2 or similar) Welding wire diameter: from 1.0 to 2.0 mm.
- For brazing choose low melting temperature alloy, if possible below 530 °C.
- Also the welding wire surface state is very important: stock it in clean areas, clean it before use and handle tubing and welding wire with gloves.
- Do not grind and/or polish the welding cordons. The risk of reducing the tube wall thickness is too high!
- Anticorrosion treatment is needed on the finished frame, cataphoresis is the most effective in long term protection
- As all the hi-resistance (> 1000 Mpa) steel, tubing in state HTS are sensitive to hydrogen embrittlement. Pay attention in avoid exposure to acid or hydrogen environments during frame fabrication. They can cause immediate and spontaneous breaks on tubing. In this case please contact our technical department.