

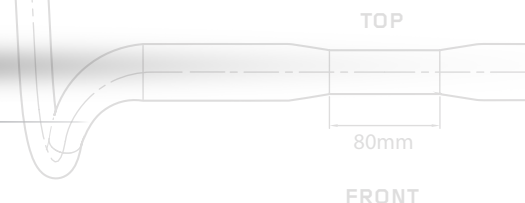
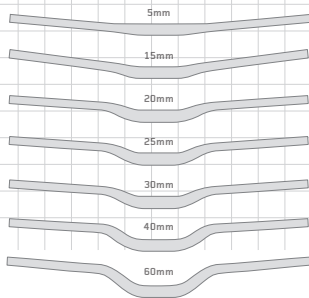


Dialing in the fit of your bike is a fundamental part of getting the most out of the precious time we spend on our bikes. Every individual has a unique set of requirements to accommodate their personal body type and riding style, which come together to create the perfect specification, maximizing comfort and performance. At SPANK INDUSTRIES, we call this ...

SPANK is one of the few brands in the industry, which manufactures our own components in-house, including our legendary handlebars. This affords us the opportunity to do things differently than our competition. SPANK produces handlebars in an environmentally sustainable way, and offers a vast array of handlebar widths, rises, sweeps, and performance characteristics, to find the perfect fit for any MTB cyclist.

THE HUMAN FACTOR.

Handlebars play a very important role in finding the right fit on any bike, and there are more aspects to handlebar selection and fitting than most people understand.



RIDE LONGER, RIDE STRONGER

Vibrocure™ is a complex, low density, pressurized material which fills the core of the handlebar, reducing the handlebar's resonance and effectively reducing the risk of hand-arm fatigue, arm-pump and Death Grip. SPANK's Vibrocure™ system also acts to reinforce the handlebar from the inside,

meaning more responsive performance and improved sensitivity. The 40/460 result is a handlebar that feels incredibly strong and rigid, and acts to reduce impulse and vibrational fatigue, hand/arm numbness, and Arm-pump. Vibrocure™ adds a mere 25-30g to the bar weight.

// RESPONSIBLE PERFORMANCE MATERIALS



At SPANK we say no to carbon fiber! We produce our handlebars in safer, more affordable, and more environmentally sustainable alloys. We carefully select the perfect alloy for each new handlebar model independently, based on the desired level of strength, stiffness, compliance and comfort, and price. To maximize the strength of the alloys used in our manufacturing, SPANK subjects each handlebar

to more manufacturing processes than any other brand. Processes such as tube drawing increase the strength of alloys, by breaking down the grain size, optimizing their strength to weight ratio. SPANK butts our handlebars up to 8 times to ensure precision wall thicknesses, and the most out of every gram of alloy.



Extreme Gradual Taper technology tapers our DUAL XGT bars from the thickest area at the bar clamping zone, slowly and gradually through the bend zones, to the thinnest areas at the control zones and back to the thicker reinforced bend zones, or "Impact Ends". This precision process eliminates stress zones, where breaks can occur. SPANK utilizes FEA (Finite Element Analysis), laboratory, and rigorous real world testing, to optimize the spread of material to where it is needed to withstand the specific forces at work in each zone, while offering better protection against crashes than ever before.



SPANK went the extra mile in our handlebar production facility by investing in automated Three Dimensional CNC Bending machines, which offer better symmetry and consistency, and more importantly limit material structural damage during the bending process. The precision of 3D CNC Bending in a single fixture allows SPANK to optimize our designs. The process also eliminates the need for heavy grinding process, making our bars lighter, stronger, and safer.

// BARCLAMP ZONES

SPANK takes extra steps in our bar production, to ensure our handlebar clamps are truly cylindrical and symmetric. This helps to reduce stress risers at the handlebar/stem interface, increasing the fatigue life and safety of bars. As an added benefit, barclamp processing acts to further work harden material in this zone, which adds to ultimate strength.

SELECTING THE RIGHT HANDLEBAR



// DISCIPLINE

Not all handlebars are created equal. Where XC and Light Trail bars often prioritize light weight and stiffness, bars designed for gravity MTB applications such as DH, Freeride, and Enduro usually put a higher priority on ultimate strength, and a level of compliance to improve comfort. When selecting a handlebar, for your safety, it's important to follow Intended Discipline recommendations.

// HANDLEBAR RISE

Within every model of Spank handlebars, several rises are offered, to ensure both the correct fit, and the desired ride characteristics of every end user. Of course, very tall riders will often feel better on a higher rise bar, and vice versa for shorter riders. However, with a properly sized bike, ride characteristics tend to be more important. Low-rise bars, from 5-15mm, mean more forward weight distribution, to keep the front wheel planted on the ground when climbing, and front wheel weighted for cornering traction. High-rise handlebars, from 50-75mm, will move the rider's weight distribution more rearward, providing confidence in steep downhills and exceptionally rough terrain, and facilitating lifting the front wheel off the ground. Mid-rise bars in the 20-40mm range balance the properties of low-rise and high-rise bars, allowing for decent climbing, cornering, and descending characteristics.

// BARCLAMP DIAMETER

SPANK offers a range of handlebars in both popular MTB barclamp diameter standards, 31.8 and 35mm. SPANK is a proponent of the 31.8mm standard for its exceptional ability to blend strength, stiffness, light weight, and compliance. However, after almost 20 years of making the world's top alloy handlebars, we have taken all our experience to produce what we feel are the best 35mm bars on the market.

// BAR SWEEP

These are the angles at which the bar bends back from the stem clamp toward the rider. Upsweep is the angle at which the bar bend upwards away from the stem. Backsweep of a MTB handlebar is the angle at which the barends bend directly backward from the stem. Upsweep is normally kept between 4-5 degrees, the comfort zone for most riders. Backsweeps in handlebars vary. Normally, as bars get wider, the backsweep increases, to accommodate the angle of approach of the rider's forearms and hands, relieving undue strain and fatigue. The backsweep angle together with the overall bar width, creates the handlebar setback, or distance from the barclamp center to the grips. This is important when tuning the Rider Area Distance, from your bottom bracket to your grips. The backsweep of bars also allows us to tune the steering offset, which is the distance from your hand position to the steering axis (center of the fork steerer tube), which affects the steering characteristics of your bike.

// HANDLEBAR WIDTH

When choosing a handlebar width, factors such as rider height and body proportion, riding style and location, and the type of bike you ride, should all be taken into account. Handlebar width is not only important to optimize steering, pull strength, and pumping, but also can be a factor in reducing arm/shoulder fatigue and injury. Spank makes a wide variety of MTB handlebar widths from 760mm to 820mm, and all our bars are designed to allow cutting to adjust width to fit each end user perfectly.

// COMPLIANCE

For many years popular marketing told us that the stiffer our bars were, the better. Bar stiffness does improve steering responsiveness, and the perception of support when riding steep or rough terrain, or landing jumps and drops. However, if not properly managed, it can also lead to hand/arm fatigue and pain, and an overall bone jarring ride. Spank takes proprietary steps in our bar production, to distribute material where it is needed for strength and stiffness, while paying special attention to compliance, or the ability to absorb impact shock and vibration. We also select materials for each handlebar to optimize their performance and comfort for the intended discipline.

MODEL	BARCLAMP DIAMETER	WIDTH	RISES (mm)	SWEEP (UP/BACK)	SETBACK (mm)	WEIGHT (g)	RETAIL PRICE	DISCIPLINE
Spike 35 Vibrocore™	35mm	820mm (Adj. to 760mm)	25/40/60	5°/8°	55	325	109.00	AM/EN/DH/FR/E-MTB
Spike 800 Vibrocore™	31.8mm	800mm (Adj. to 740mm)	15/30/50 / 75	4°/8°	46/49/54/60	340-360g	99.90	AM/EN/DH/FR/E-MTB
Spike 777FR Vibrocore™	31.8mm	777mm (Adj. to 747mm)	15/30/50	4°/8°	47/52/58	375-390	99.00	AM/DH/FR/E-MTB
Spike 800 Race	31.8mm	800mm (Adj. to 740mm)	5/15/30/50	4°/8°	46/49/54/60	300-330	79.90	TR/AM/EN/DH
Oozy 35	35mm	780mm (Adj. to 740mm)	25	5°/8°	52	270	99.00	TR/AM/EN/E-MTB
Oozy 780 Vibrocore™	31.8mm	780mm (Adj. to 740mm)	15/25	5°/7°	46/50	270-275	109.00	XC/TR/AM/EN/E-MTB
Oozy 780 Trail	31.8mm	780mm (Adj. to 740mm)	5/15/30	5°/8°	36/39/44	305-310	74.90	TR/AM/EN
Oozy 760 Vibrocore™	31.8mm	760mm (Adj. to 720mm)	5	4°/6°	35	285	99.90	XC/TR/AM
Spoon 800	31.8mm	800mm (no min Adj.)	20/40/60/75	5°/8.5°	53/60	350-380	54.90	AM/DH/FR/DJ
Spoon 25	31.8mm	785mm (no min Adj.)	25	5°/8°	51	380	35.90	AM/DH/FR/KIDS
Spoon 40	31.8mm	785mm (no min Adj.)	40	5°/9°	60	385	35.90	AM/DH/FR/KIDS
Spoon 60	31.8mm	785mm (no min Adj.)	60	4°/10°	68	420	35.90	AM/DH/FR/DJ/PT
Spoon 35	35mm	800mm	25/40/60	5°/8°	49/57/64	352-369	69.90	AM/EN/DH/FR/E-MTB