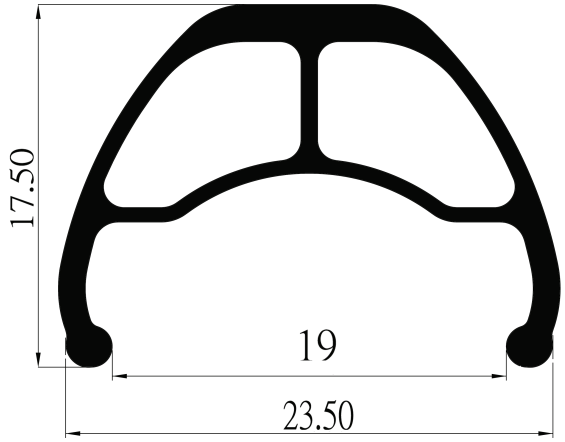
X-lite ULTRA
26 and 29 Rims

Rim Specs

Material: 6066 T6 Aluminum
Holes: 32
Internal Diameter: 19mm
Weight: 26”=374g/29”412g
External Diameter: 23.50mm
Tubeless: TBT (True Bead Technology)



X-lite Rims Technical Advantages:

TBT= True Bead Technology
Loaded’s True Bead Technology- Loaded’s very own Tubeless System that provides an efficient interface between the tire and rim for easy installation and inflation. With a reinforced internal beam to provide torsional rigidity, the X-Lite TBT Rims provide the rider the ultimate balance between weight and durability.

True Bead Technology makes tubeless tire systems available to virtually all mountain bikes. Utilizing a rim profile that integrates a varied selection of tires and sealants in a tubeless system, TBT delivers consistent bead interface between the tire and rim ensuring a true seal.

Eyelets and Nipples
The X-lite Rims feature a specific eyelet that is intended to be paired with our oversized Xlite spoke nipples. These nipples feature a 13 Gauge outside diameter, while maintaining the typical 14 Gauge inner diameter- to make it simple when replacing spokes… This creates the ultimate strength and weight combination for an eyelet and nipple interface. Why compromise strength for weight when you can have it all?

I-Beam
Loaded X-lite Rims utilize an extruded I-beam design to increase strength and remain lightweight. The internal beam reinforces vertical rigidity of the rim, combating the most common force found on the trail, while also serving as a bridge between the rim’s cross-sections. This centrally located vertical support (I-beam) also strengthens and reinforces the section of the rim normally weekend by spoke loading forces. By increasing the strength we are able to produce a very torsionaly rigid, lightweight and durable rim.

Shot Peened Finish
In order to provide season after season durability, Loaded chose to finish the X-lite rims with a unique shot peen process. Shot Peening is a cold working process used to produce a compressive residual stress layer which modifies the molecular properties of the aluminum. In short, it creates a hardened shell. It involves impacting the surface of the rim with shot (round metallic, glass, or ceramic particles) with force sufficient to create plastic deformation. Simply, it makes the surface of the rim stronger and less susceptible to scratches and dents.

Shot Peening has similar visual properties to sandblasting but does not strengthen the surface for the material. Sandblasting is an abrasion process while Shot peening operates on the process of plasticity. The shot Peening process functions like a small ball-peen hammer, hardening the molecular structure of the aluminum resulting in a significantly stronger rim.

T6-6066 Material & Heat Treating Processing
Loaded uses a T6 heat treating process to ensure that the strength of each rim is superior to the competition. Other manufactures say their rims are heat treated, but this is not exactly true- once the extrusion process has been completed other manufactures put their rims under cold water. This form of heat treating does harden the material to T4 strength. Unfortunately, this technique is very inconsistent and allows for deviations in the strengthening process. We prefer using a heat treat oven aging process.

Loaded X-lite Rims are manufactured in a completely different way. It starts with an extrusion, once completed, the seam of the rim is immediately flash welded. Once the seaming process is complete the rim is sent to a heat treat oven and brought to T6 strength. Although a lengthy process, it is the only way to get a true and consistent uniformity out of the aluminum. Loaded makes its X-lite series rims with 6066 aluminum not 6061 aluminum like most other manufacturers. Stronger 6066 material in combination with our I-beam design allows us to have thinner rim walls to reduce weight while maintaining superior strength. Loaded is driven to provide an uncompromising product regardless of price, difficulty or time. Now with Loaded X-lite rims there is no reason to compromise strength for weight.