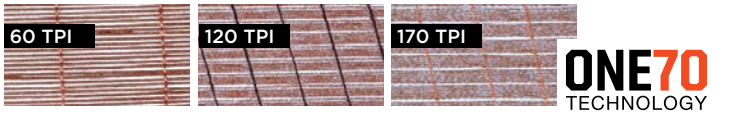
MAXXIS BICYCLE TIRE TECHNOLOGY

CASING OPTIONS

The casing is the foundation upon which all tires are built. Casings are measured in TPI, which stands for threads per inch. Lower TPI casings (ex. 60 TPI) are more durable but also heavier than higher TPI casings (ex. 120 TPI). Higher TPI casings are lighter and more supple, allowing them to conform to the terrain, but are relatively more fragile. Dual-ply casings use two layers of casing material which improves strength and damping properties, with the tradeoff of increased weight.

- **Single-ply 60 TPI:** general-purpose riding
- **Single-ply 120 TPI:** general riding and racing
- **Single-ply 170 TPI:** race use only
- **Dual-ply 60 TPI (Downhill):** downhill racing and bike park use
- **Dual-ply 120 TPI (DoubleDown):** enduro-style racing and riding



WIDE TRAIL (WT)

Wide Trail (WT) refers to Maxxis' 2.40" and 2.50"-wide MTB tires which are optimized for use with 30-35mm internal width rims. WT tires will mount to rims outside this width range; however, the profile will not be ideal which may negatively impact performance.

TUBELESS READY (TR)

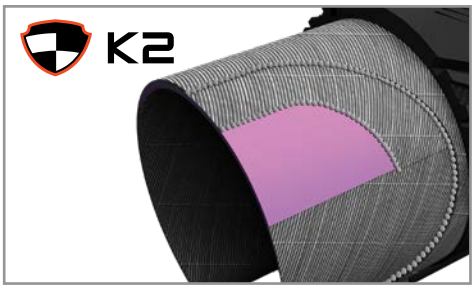
Maxxis offers Tubeless Ready (TR) tires across all riding disciplines. TR tires must be mounted to a tubeless-compatible rim and use a liquid sealant in order to retain air. If a tire lacks the Tubeless Ready designation, it should only be used with an inner tube. Inner tubes can be used in a TR tire if a rider desires.

PUNCTURE PROTECTION

Casings are supplemented with additional puncture protection layers to suit specific riding disciplines. Material can be added around the bead, in the sidewall, beneath the tread, extended from bead to bead, or some combination of the above.

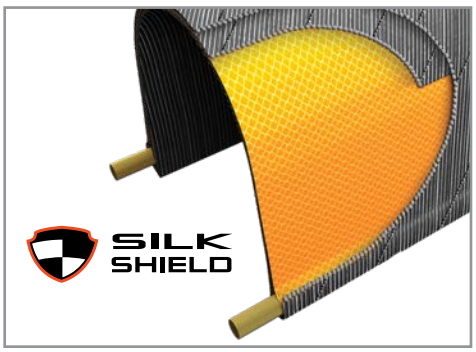
Silkworm: under-tread puncture protection layer

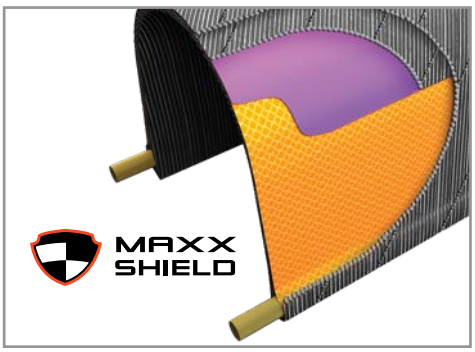
K2: a light and supple under-tread puncture protection layer



ZK: our lightest and most supple under-tread puncture protection layer

SilkShield: bead-to-bead puncture protection layer



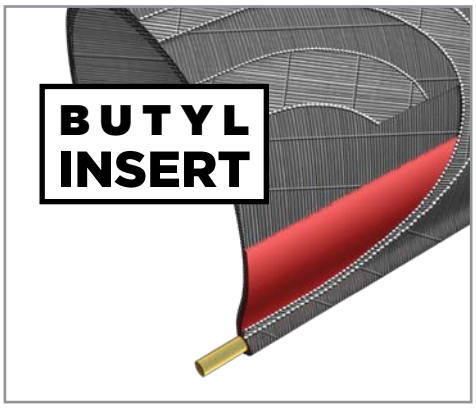


MaxxShield: a combination of SilkShield bead-to-bead and K2 under-tread

PUNCTURE PROTECTION continued

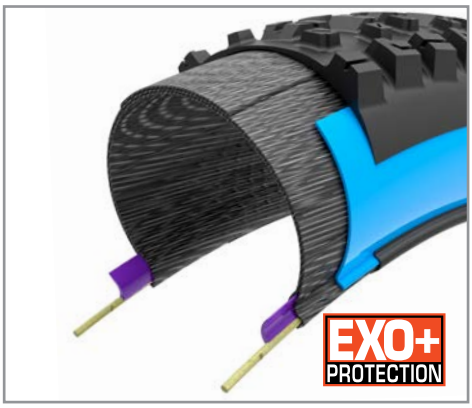
Casings are supplemented with additional puncture protection layers to suit specific riding disciplines. Material can be added around the bead, in the sidewall, beneath the tread, extended from bead to bead, or some combination of the above.

Butyl insert: added around the bead to ward off pinch flats and rim damage



EXO: a cut and abrasion-resistant material added to sidewalls

EXO+: a 60 TPI casing with a small butyl insert and EXO in the sidewalls



RUBBER COMPOUNDS

Above all, Maxxis is known for the quality and performance of its rubber compounds. Rubber compounds are tailored to meet the needs of specific riding disciplines or conditions. Maxxis can produce tires with one, two, or three individual rubber compounds depending on the application.

Single Compound: one rubber compound is used throughout the tread of the tire

Dual Compound: two distinct rubber compounds are used within the tread to offer a balance between rolling resistance and grip

Super Tacky: Maxxis' slow-rebounding, high-traction compound for slippery race conditions

ST SUPERTACKY

HYPR & HYPR-S: our full-silica, low rolling resistance compounds developed specifically for road bike racing

HYPR COMPOUND

HYPR-S COMPOUND

3C **Triple Compound (3C):** Maxxis 3C tires use a firm base rubber to reduce rolling resistance and progressively softer rubber on outer layers to optimize traction

HARD COMPOUND BASE LAYER
MEDIUM COMPOUND TOP LAYER
SOFT COMPOUND SHOULDER LAYER

3C MaxxSpeed: a fast-rolling compound best for XC racing applications

3C MaxxTerra: an intermediate compound suitable for most trail riding

3C MaxxGrip: a high-traction, slow-rebounding compound for enduro and DH

RECOMMENDED RIM WIDTHS

Road/Gravel/Cross				
Intended Use	**Tire Width (mm)**	**Recommended Inner Rim Width (mm)**	**Recommended Tire Pressure (PSI)**	**Recommended Puncture Protection**
Road	23-30	18-28	40-80	K2, ZK, MaxxShield
Gravel	38-50	18-30	25-45	EXO, SilkShield
Cyclocross	33	18-28	20-35	EXO

MTB				
Intended Use	**Tire Width (in)**	**Recommended Inner Rim Width (mm)**	**Recommended Tire Pressure (PSI)**	**Recommended Puncture Protection**
XC Racing	2.00-2.20	20-25	15-30	EXO
Light Trail	2.20-2.40	25-30	20-35	EXO, EXO+
All-Mountain / Enduro	2.30-2.50	28-35	20-35	EXO+, DoubleDown
	2.60	35-40	15-25	EXO+, DoubleDown
Downhill / Bike Park	2.30-2.50	28-35	20-30	DoubleDown, Downhill
Plus	2.80-3.00	40-45	15-20	EXO
Fat	3.80-4.00	70-80	5-15	EXO
	4.80	90-100	5-15	EXO

E-MTB				
Intended Use	**Tire Width (in)**	**Recommended Inner Rim Width (mm)**	**Recommended Tire Pressure (PSI)**	**Recommended Puncture Protection**
Light E-bike	2.20-2.40	25-30	25-30	EXO+
Trail E-bike	2.30-2.50	28-35	25-35	EXO+, DoubleDown
	2.60	35-40	18-25	EXO+, DoubleDown
Enduro E-bike	2.30-2.50	28-35	25-35	DoubleDown, Downhill

- The above recommendations assume the rider is using a tubeless setup for their tires and wheels.
- There is no single perfect tire pressure that will work for every rider. Riding style, bike type, rider weight, terrain, and trail conditions are a few of the variables that influence tire pressure.
- Please use the recommendations above as a starting point for finding your preferred pressure. Adjust your pressure in small increments until you find what works best for your riding.
- Heavier, more aggressive riders will need higher pressures and/or heavier-duty casings to provide cornering support and flat protection.
- Lightweight riders can opt for lower pressures to improve traction and ride comfort.
- Check your tire pressure regularly with a quality gauge and adjust as necessary.
- Tubeless tires and advanced puncture protections help prevent flats, but can't eliminate them entirely. Maxxis recommends riders be prepared with a flat kit and inflation device, especially when traveling in remote areas.

MTB CORE RANGE

Maxxis Recommended Usage

	Tread Pattern	XC Race	XC	Trail	Enduro	Downhill
XC	Rekon Race	■	■			
	Aspen	■	■			
	Ikon	■	■	■		
	Severe	■	■			
Trail	Rekon		■	■		
	Forekaster		■	■		
	Aggressor			■	■	
	Dissector			■	■	■
Gravity	Minion DHF			■	■	■
	Minion DHR II			■	■	■
	Assegai			■	■	■
	Shorty			■	■	■
	Wetscream					■

Maxxis Recommended Terrain Guide

	Tread Pattern	Hard	Loose Over Hard	Mixed	Loose	Wet	Mud
XC	Rekon Race	■	■				
	Aspen	■	■	■			
	Ikon	■	■	■	■		
	Severe				■	■	■
Trail	Rekon		■	■	■		
	Forekaster		■	■	■	■	
	Aggressor	■	■	■	■		
	Dissector		■	■	■	■	
Gravity	Minion DHF			■	■	■	
	Minion DHR II			■	■	■	
	Assegai			■	■	■	
	Shorty			■	■	■	■
	Wetscream					■	■

Maxxis Recommended Usage

Casing Type	XC Race	XC	Trail	Enduro	Downhill
120 TPI EXO	■	■	■		
60 TPI EXO		■	■	■	
EXO+		■	■	■	
DoubleDown			■	■	■
Downhill				■	■