

BRIDGESTONE

MOTORCYCLE & SCOOTER TIRE 2013



**MotoGP Technology improve your riding
with just this one.**



Bridgestone. The only tire manufacture to supply MotoGP, the world's top motorcycle race.

Our general market tires take advantage of world cutting-edge technology which has been developed in under harsh conditions, and are used in throughout the world.

Two-wheel tires have a significantly smaller ground contact area than four-wheel tires. The front tire has a contact area about the size of credit card, and that of the rear tire does not exceed about 1/3 the size of a postcard.

As a result, the power exerted per unit area during riding is about twice that experienced by four F1 tires.

While bearing that traction power, the tires have the performance to sprint with a total weight of 210kg (rider's body weight is approx. 60kg, motorcycle unit approx.150kg) at 300 km/h.

Moreover, many people picture MotoGP technology only as improved dry grip power. Of course, a strong grip is indispensable. However, even if you have a strong grip and take the lead in the first half of the race, if your tires become weak in the second half, you'll come in behind the rival competition.

Bridgestone's technology cultivated from the intense and harsh racing conditions also includes the strength to maintain grip power.

Victory is possible only if there is durability.

Bridgestone technology, refined on the MotoGP stage.

We sincerely wish that even one more person or even 2 fans can experience the joy that can be achieved through this tire's performance. Much technology has been etched into those tire tracks.



SPORTS

Ideal tire performance for sports bikes, over a wide range from the racing track to a winding road.

RACE ← → SPORTS



RACING R10 EVO RACING R10

Improved model of "BATTMAX RACING R10" for better lap records, achieved with thorough examination by the Moto GP Development Team.



BT-003 RACING STREET

The high-end model of a normal on-road tire, tuned to ensure necessary functions for street racing.



HYPERSPORT S20

Equipped with technologies cultivated in development of MotoGP tire. Hyper sports radial covering circuits as well as streets.



BT-090 PRO BT-090

Improved rigidity distribution balance of pattern. High grip radial that has obtained a high competitiveness on circuit.



BT-016 PRO BT-016 HYPERSPORT

Optimum Sports Radial for 80's Custom Motorcycle!



BT-39 BT-3955

The standard sport bias equipped with aspects for both sport and comfort.



BT-92

All-round sports radial fully drawing out dry and wet performances.



TOURING

Emphasis on riding comfort and economy. Ideal for customers seeking more comfort.

SPORTS TOURING ← → LONG TOURING



SPORT TOURING T30

Improved handling and grip performance by optimizing grounding/rigidity. Evolved to be easier to use!



BT-023 SPORT TOURING

Sport-Touring Radial, two-conflicting performances, sports and touring are finely honed together.



BT-45V BT-45

The definitive touring bias tire. A proud long seller with total high performance to meet the needs of the user.



MINI

Wide lineup, including series for winning mini-bike races and sports customized types such as Honda Z series and Honda Super Cub.

RACE ← → SPORTS



BT-6015S

Equipped with a slick-like pattern and "YCZ" compound for high temperature conditions.



BT-390

Bias tire with high grip performance, customizes Honda Z series, Honda Super Cub, etc. making them more sporty.

Usable for both front and rear tires.



CUSTOM

Realized high maneuverability even with pattern best-suited to classical bikes.



AC-01



AC-03 AC-04

High-performance custom-gear balancing traditional pattern and state-of-the-art tire technology at high dimension.



AMERICAN

Realized comfortable mobility suitable for American cruising.

SPORTS & RACE ← → TOURING



BT-39

High performance inherited from Battlax, which was developed for racing.



EXEDRA

Linear handling and high speed, straight line stability, on-road high performance type.



EXEDRA MAX

Enjoy a comfortable long and highway touring. Sports type tire for American cruisers.



SCOOTER

High performance also supporting big scooter without compromising economy and fashionability.

SPORTS ← → TOWN



BATTMAX SC

Exclusive radial for big scooters from the BATTMAX brand.



HOOP B03 PRO B02 PRO

Tires best-suited to scooters with sharp and sporty form.



HOOP B01

Tires best-suited to scooters with sharp and sporty form.



ON/OFF

Different people use off-road bikes differently. Tires for on-road and those for off-road races selectable depending on the scene.

RACE ← → SPORTS

ON ← → OFF/ENDURO



BATTLE WING

For off-road vehicles which are mainly used on-road.



TRAIL WING

For customers who want to enjoy both ON and OFF at the same time.



GRITTY

The genuine Enduro race tire. Can also be run on public roads.



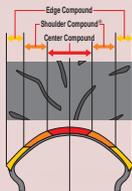
5LC 5 Layer Compound

5 Layer Compound

Patent acquired

5LC (5 Layer Compound) technology. High grip performance has been achieved for every sports racing scene. The edge compound improves rotational stability during steep banking. The shoulder compound improves cornering power and grip performance in the forward direction. The center compound achieves a smooth feeling from straight runs to lean angles.

*The compound with the highest "tensile rigidity in the circumferential direction" is used in the shoulder area, enabling rapid acceleration at a corner exit.



3LC 3 Layer Compound

3 Layer Compound

3LC (3 Layer Compound) technology. The shoulder compound provides excellent cornering grip. The center compound offers linear handling.

*The name has been changed from "SPORT SACT".



SPORT SACT

The center of the tire is equipped with a compound which provides excellent straight line stability, high speed durability and wear resistance. The shoulder area is equipped with a compound which realizes high grip performance. A smooth ride has been achieved by unifying these two compounds through intermolecular coupling at high temperature.

*The name has been changed to "3LC (3 Layer Compound)"



SACT Straight And Cornering Technology

The center area utilizes a compound which focuses on wear resistance, and the shoulder with a compound which focuses on grip performance. The high-dimensional fusion of two conflicting features, "high grip performance" and "long-life durability" has been achieved by combining these compounds. These two compounds are unified through intermolecular coupling at high temperature.



HTSPC High Tensile Super Penetrated Cord

Steel cord material composed of inner filaments which are individually rubber-insulated. High thermal conductivity enhances heat transfer and reduces the risk of a blowout, and moisture does not accumulate between filaments, reducing the chance of oxidation. These features have led to high speed stability and durability in the whole structure. High case rigidity (grip performance) and superior shock absorption have also been achieved by these highly tensile filaments which have strong resistance to deformation.



Patent acquired

Outside Bead Filler

A filler is included to the outside bead in addition to a small inner bead filler. This provides optimum force distribution and rigidity balance to the sidewall profile, contributing to the improvement in shock absorption and cornering stability.



CAP&BASE

The cap tread includes a compound with soft silica, and the base tread contains a compound with medium silica. These are carefully balanced. While ensuring shock absorption, strong grip performance in various temperature conditions is provided while supporting optimum rigidity.



Patent acquired

MS·BELT Mono Spiral Belt

Lightweight and durable cord wrapped around the circumference of the tire provides a smooth grip feeling. This contributes to high performance tire with ①weight reduction, improvement in ②grip improvement, ③rotational stability, ④high speed performance and ⑤excellent dumping effect.



SILICA RICH

Silica Rich Compound ensures high grip performance in low temperature conditions at the early stage of driving, and exhibits excellent wet performance.



SILICA RICH EX

Wet performance is improved by greatly increasing the amount of silica compared to conventional SILICA RICH.



RC POLYMER for motorcycle tire



RC POLYMER for motorcycle

Polymer improves wear resistance of tires, and silica is effective for wet performance. These two compounds are not compatible, yet their potential is brought out by drastically increasing the affinity between these compounds.

RC POLYMER for motorcycles, developed using Bridgestone's key technology NanoPro-Tech®, contributes to the improvement of wet performance and longer wear life.

*NanoPro-Tech® is Bridgestone's key technology which controls the nanostructure of tire materials through molecular design, in order to emphasize the needed characteristics of the material.

On-Road Sports Machines by main category BATTLAX list of available sizes

- Products which can be installed on main machines of each category are listed, as of 2012
- In the chart, H=HONDA, Y=YAMAHA, S=SUZUKI, K=KAWASAKI
- In the chart, BT003ST=BT003STREET

1000CC and higher	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
H VFR1200F	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
Y FJR1300	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
S GSX1300R HAYABUSA	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30
K Ninja ZX-14R	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30

Super sports 1000 CC	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
H CBR1000RR	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30
Y YZF-R1	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
S GSX-R1000	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30
K Ninja ZX-10R	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30

Super sports 600 CC	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
H CBR600RR	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
Y YZF-R6	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
S GSX-R600	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
K Ninja ZX-6R	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30

Naked	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
H CB1300Super Four	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
Y FZ1 FAZER	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30
S BANDIT 1250	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
K ZRX1200DAEG	120/70ZR17(58W)	190/50ZR17(73W)	BT-003ST	S20	T30

Imported	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
APRILIA RSV4 R	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
BMW S1000RR	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
BMW R1200R	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
DUCATI MONSTER400	120/60ZR17(55W)	160/60ZR17(69W)	BT-003ST	S20	T30
DUCATI 848 EVO	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
DUCATI MONSTER1100	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
DUCATI 1198	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
KTM 990 SUPERDUKE	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
KTM 1190 RC8	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
TRIUMPH DAYTONA675	120/70ZR17(58W)	180/55ZR17(73W)	BT-003ST	S20	T30
MV AGUSTA F4	120/70ZR17(58W)	190/55ZR17(75W)	BT-003ST	S20	T30
MV AGUSTA F4	120/70ZR17(58W)	180/55ZR17(75W)	BT-003ST	S20	T30

Middle (250-400 CC)	Front tire size	Rear tire size	CIRCUIT WINDING ROAD	WINDING ROAD SPORT RIDING	SPORT TOURING
H CBR250R	110/70-17M/C 54S	140/70-17M/C 66S		BT-39	BT-45
S GSR250	110/80-17M/C 57H	140/70-17M/C 66H		BT-39	BT-45
K Ninja250R	110/70-17M/C 54S	130/70-17M/C 62S		BT-39	BT-45



BATLAX SPORT TOURING T30 NEW



*1: for Rear

By optimizing ground contact properties and rigidity contributes to Sport Touring Radial with more manageability in comparison with BT-023.

Recommended for:

- For persons who want to occasionally enjoy winding roads even on a touring bike/tires.
- For persons who would like to ride on touring tires installed on a super sports bike.

Performance for a more comfortable and enjoyable riding has been achieved by adopting a new pattern and optimizing the inner structure and compounds.

For customers seeking tires which are easy to use and make riding enjoyable.



T30 SPORT TOURING [Front]

Tire Size	TL/TT	Appr.Rim
110/70ZR17 M/C(S4W)	TL	2.75-3.50
120/60ZR17 M/C(S5W)	TL	3.00-3.50
120/70ZR17 M/C(S8W)	TL	3.00-3.50
GT 120/70ZR17 M/C(S8W)	TL	3.00-3.50
110/80ZR18 M/C(S8W)	TL	2.50-3.00
120/70ZR18 M/C(S9W)	TL	3.00-3.50
GT 120/70ZR18 M/C(S9W)	TL	3.00-3.50
110/80R19 M/C S9V	TL	2.50-3.00

GT : GT spec

GT spec provides good handling and stability for heavy vehicle.

T30 SPORT TOURING (H-range) [Front]

Tire Size	TL/TT	Appr.Rim
110/70 R17 M/C54H	TL	2.75-3.50
120/60 R17 M/C55H	TL	3.00-3.50



NEW PATTERN

Optimizing contact patch and stiffness, Improved Handling and Grip performance.

T-Cross shaped Groove

Straight center groove provides better contact due to reduced tread stiffness. Slanted groove towards the shoulder provides higher block stiffness due to consistent input force when cornering.



Semi-Slick pattern shoulder

Fewer grooves provide a larger contact patch in the corners. Fewer grooves provide higher block stiffness in the corners. Features that inspire confidence to the rider when cornering.



Swirled shape groove

Groove offers a combination of round and straight elements. Combination improves contact without losing block stiffness.

T30 SPORT TOURING [Rear]

Tire Size	TL/TT	Appr.Rim
150/70ZR17 M/C(69W)	TL	4.00-4.50
160/60ZR17 M/C(69W)	TL	4.50-5.00
160/70ZR17 M/C(73W)	TL	4.50-5.00
170/60ZR17 M/C(72W)	TL	4.50-5.50
GT 170/60ZR17 M/C(72W)	TL	4.50-5.50
180/55ZR17 M/C(73W)	TL	5.50-6.00
GT 180/55ZR17 M/C(73W)	TL	5.50-6.00
190/50ZR17 M/C(73W)	TL	5.50-6.00
190/55ZR17 M/C(75W)	TL	5.50-6.00
GT 190/55ZR17 M/C(75W)	TL	5.50-6.00
160/60ZR18 M/C(70W)	TL	4.50-5.00

GT : GT spec

GT spec provides good handling and stability for heavy vehicle.

T30 SPORT TOURING (H-range) [Rear]

Tire Size	TL/TT	Appr.Rim
150/60 R17 M/C66H	TL	4.00-4.50
160/60 R17 M/C69H	TL	4.50-5.00

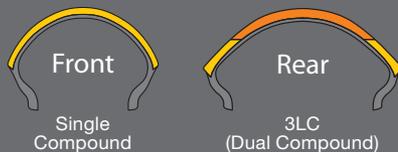
CIRCUIT WINDING ROAD
WINDING ROAD SPORT RIDING
SPORT TOURING
RACE
CUSTOM
AMERICAN
SCOOTER
ON ROAD
ON ROAD OFF ROAD
ENDURO RACE

RADIAL

SPORT TOURING

COMPOUND

Optimizing working range for Dry Grip performance.



- Temperature range studied using analysis method learned from MotoGP.

Tire temperature and Grip for front tire



- RC Polymer/ NanoPro-Tech technology were applied [NanoPro-Tech].



3LC



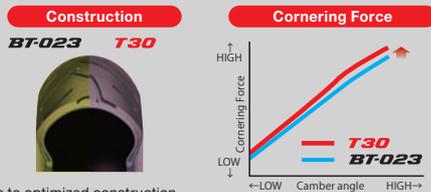
RC POLYMER
for motorcycle



CONSTRUCTION

Construction optimization achieved Light and predictable handling, good line holding.

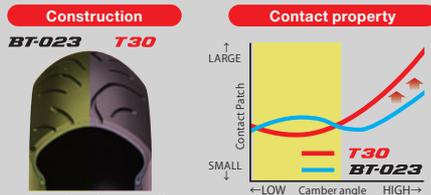
Front



Reduce weight due to optimized construction

- Light and predictable handling.
Response during the initial lean angle has been improved.
- Makes Good line holding.
Cornering force improves in all range.

Rear



Improved contact property due to optimized pattern

- Inspires Confidence in the turns.
Contact patch increases linearly with lean angle.
- Ability to Hold the Chosen Line.
Good support at higher lean angles.

BATLAX

BT-023 SPORT TOURING



*1: Rear tire only. *2: Front tire only.

Sport-Touring Radial.

Two-conflicting performances, Sports and Touring are finely honed together.

Recommended for:

- Customers wishing to enjoy touring along with long wear life tires.
- Customers seeking more comfortable long touring and excellent wet performance.
- From heavy sport-tourers to sport-naked bikers.



BT-023 [Front]

Tire Size	TL/TT	Appr.Rim
110/70ZR17 M/C (54W)	TL	2.75-3.50
120/60ZR17 M/C (55W)	TL	3.00-3.50
120/70ZR17 M/C (58W)	TL	3.00-3.50
120/70ZR17 M/C (58W)	TL	3.00-3.50
110/80ZR18 M/C (58W)	TL	2.50-3.00
120/70ZR18 M/C (59W)	TL	3.00-3.50
120/70ZR18 M/C (59W)	TL	3.00-3.50
110/80R19 M/C 59V	TL	2.50-3.00

BT-023 [Rear]

Tire Size	TL/TT	Appr.Rim
150/70ZR17 M/C (69W)	TL	4.00-4.50
160/60ZR17 M/C (69W)	TL	4.50-5.00
160/70ZR17 M/C (73W)	TL	4.50-5.00
170/60ZR17 M/C (72W)	TL	5.00-5.50
170/60ZR17 M/C (72W)	TL	5.00-5.50
180/55ZR17 M/C (73W)	TL	5.50-6.00
180/55ZR17 M/C (73W)	TL	5.50-6.00
190/50ZR17 M/C (73W)	TL	5.50-6.00
190/55ZR17 M/C (75W)	TL	5.50-6.00
160/60ZR18 M/C (70W)	TL	4.50-5.00

GT : GT spec

GT spec provides good handling and stability for heavy vehicle.

BATTLAX HYPERSPORT S20



Technologies cultivated in tire development for MotoGP is used.

Hyper sport radials covering the street to the racing track.

BATTLAX BT-016PRO improves grip performance not only in high temperatures but also in low temperatures, such as when first running and in wet conditions, while retaining high ratings for maintaining long wear life. A high driving performance and stable handling performance with the optimum structure which heightens the ground contact pressure while driving, and increases the ground contact area is achieved.



HYPERSPORT S20 [Front]

Tire Size	TL/TT	Appr.Rim
130/70ZR16 M/C (61W)	TL	3.50~4.00
110/70ZR17 M/C (54W)	TL	2.75~3.50
120/60ZR17 M/C (55W)	TL	3.00~3.50
120/70ZR17 M/C (58W)	TL	3.00~3.50

HYPERSPORT S20 [Rear]

Tire Size	TL/TT	Appr.Rim
150/60ZR17 M/C (66W)	TL	4.00~4.50
160/60ZR17 M/C (69W)	TL	4.50~5.00
170/60ZR17 M/C (72W)	TL	4.50~5.50
180/55ZR17 M/C (73W)	TL	5.50~6.00
190/50ZR17 M/C (73W)	TL	5.50~6.00
190/55ZR17 M/C (75W)	TL	5.50~6.00
200/50ZR17 M/C (75W)	TL	6.00~6.50



Recommended for:

- Customers who mainly wish to enjoy sports riding in places like winding roads, as well as touring and even commuting to work.
- Customers seeking a super sports bike with both excellent wet performance and long wear life.
- Customers considering track racing.

3Layer Compound optimally positioned

Superior long wear life and high level grip performance are achieved by optimizing the tire line divisions for improved compounds.



Improved Handling Performance

High rotational stability has been realized by taking advantage of the feedback provided from structure/pattern design technology developed through MotoGP. Not only experts but also intermediates and beginners can feel the legacy of MotoGP.

Improved Grip Performance

Grip performance, which is highly rated for BATTLAX BT-016PRO, has been improved in all aspects through feedback provided from compound design technology developed through MotoGP. Riders are given a high sense of security during hot and cold seasons.

Improved Wet Performance

Wet performance is further improved through feedback provided from structure/pattern design technology developed through MotoGP. A sense of security is felt by riders while driving in sudden rain and rainy seasons.

CIRCUIT
WINDING ROAD

WINDING ROAD
SPORT RIDING

SPORT
TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

BATTLAX BT-003 RACING STREET



*1: HR range front tire only. *2: HR range rear tire only. *3: HR/ZR range rear tire only.

The high-end model of a normal on-road tire, tuned to ensure necessary functions for street racing. ZR range for big bikes, and HR range for middle bikes are available.

The optimally positioned compounds allow the tire to full exhibit high performance needed for winding and track racing. The "Ultraction Compound" combination contributes to durability in cornering power and traction in deep lean angles. This sport radial provides an advanced sport racing.



BT-003 RACING STREET (ZR-range) [Front]

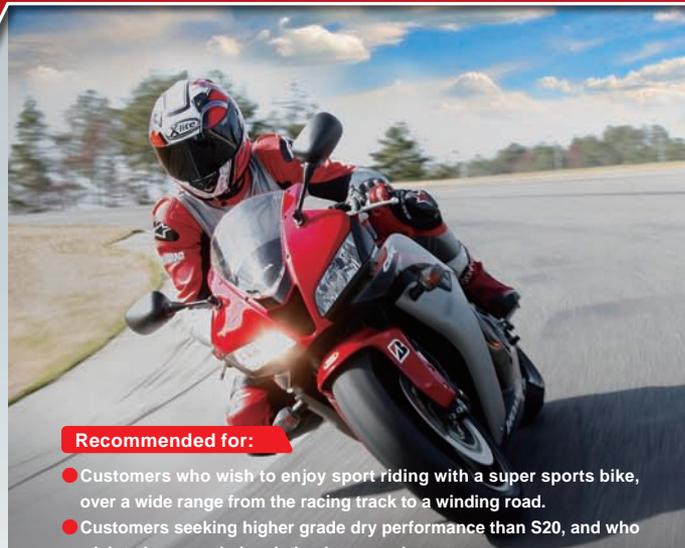
Tire Size	TL/TT	Appr.Rim
110/70ZR17 M/C(54W)	TL	2.75~3.50
120/60ZR17 M/C(55W)	TL	3.00~3.50
120/70ZR17 M/C(58W)	TL	3.00~3.50

BT-003 RACING STREET (ZR-range) [Rear]

Tire Size	TL/TT	Appr.Rim
150/60ZR17 M/C(66W)	TL	4.00~4.50
160/60ZR17 M/C(69W)	TL	4.50~5.00
180/55ZR17 M/C(73W)	TL	5.50~6.00
190/50ZR17 M/C(73W)	TL	5.50~6.00
190/55ZR17 M/C(75W)	TL	5.50~6.00

RADIAL

**CIRCUIT
WINDING ROAD**



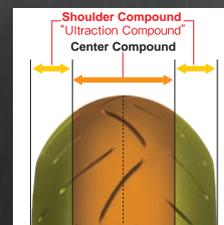
Recommended for:

- Customers who wish to enjoy sport riding with a super sports bike, over a wide range from the racing track to a winding road.
- Customers seeking higher grade dry performance than S20, and who wish to improve their existing lap record.
- Customers who wish to enjoy sport riding with a medium engine displacement, over a wide range, from the racing track to a winding road.

Front

3LC (3 Layer Compound) employed.

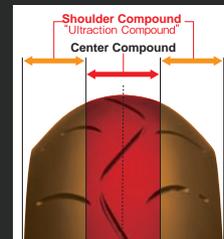
- **Center Compound:**
Equipped with a compound which offers linear handling and excellent wear resistance.
- **Shoulder Compound:**
"Ultraction Compound" is used to achieve strong cornering grip performance.



Rear

3LC (3 Layer Compound) employed.

- **Center Compound:**
A compound with excellent high speed stability and wear resistance is used.
- **Shoulder Compound:**
"Ultraction Compound" is used to achieve excellent rotational stability in deep lean angles. Surpassing cornering power and traction with high-power liter-class bikes is also retained.



BT-003 RACING STREET (H-range) [Front]

Tire Size	TL/TT	Appr.Rim
110/70R17 M/C 54H	TL	2.75~3.50
120/60R17 M/C 55H	TL	3.00~3.50

BT-003 RACING STREET (H-range) [Rear]

Tire Size	TL/TT	Appr.Rim
140/70R17 M/C 66H	TL	3.50~4.50
150/60R17 M/C 66H	TL	4.00~4.50
160/60R17 M/C 69H	TL	4.50~5.00

for MIDDLE BIKE

CIRCUIT
WINDING ROAD

SPORT RIDING
WINDING ROAD

SPORT
TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

BATTLAX R10 EVO/R10



TYPE2 compound has been added to BATTLAX RACING R10 front tires.

For better lap records, points of improvement were thoroughly examined by the MotoGP Development Team. Improved compound is employed based on MotoGP's technologies (analytic technologies). The optimized tire structure brings out high level of traction and outside grip control, improving rotational stability and increasing speed at corner exit. Competitive strength on the race track is markedly increased.



R10 [Front]

Compound	Tire Size	TL/TT	Appr.Rim
Soft (TYPE4)	120/70ZR17 M/C(58W)	TL	3.00~3.50
Medium (TYPE3)			
Hard to Medium (TYPE2)			

R10 EVO [Rear]

Compound	Tire Size	TL/TT	Appr.Rim
Medium (TYPE3)	180/55ZR17 M/C(73W)	TL	5.50~6.00
Hard (TYPE2)			

R10 [Rear]

Compound	Tire Size	TL/TT	Appr.Rim
Medium (TYPE3)	190/55ZR17 M/C(75W)	TL	5.50~6.00
Hard (TYPE2)			

Recommended for:

- Customers who participate in various non-competitive and practice driving at racing tracks.
- Customers seeking to win production races.
- Customers who can properly adjust the vehicle setting, and temperature/air pressure of the tire.

Application of MotoGP's Technology

Improved Grip Performance Responding to different riding styles.

Ground contact property optimization technology. Bringing out the high grip performance of the compounds. Compound property optimization technology

The compound property control technology cultivated during tire development for MotoGP is used. Optimized compound property on the various road surfaces has been realized!

Improved Comfortable Ride

Comfortable use and handling in a wide range of riding environments.

Temperature range expansion technology. Operating temperature range expansion technology developed through efforts to meet MotoGP's strict tire regulations is utilized. Responds to a wide temperature range. A comfortable ride under different conditions has been achieved.

Improved Wear Life Long wear life demonstrated.

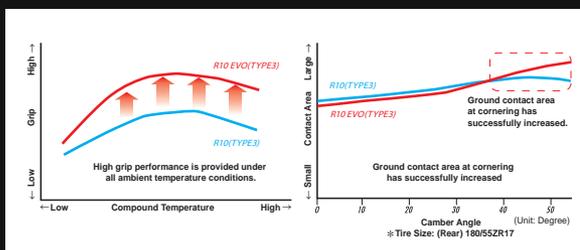
Wear resistance technology. Wear resistance technology developed under the strict conditions of MotoGP. Long wear life has been demonstrated.

New Compound

The newly-developed compound based on MotoGP's compound property optimization/temperature range expansion technology is used.

Structure Optimization

The structure has been optimized based on MotoGP's contact ground property optimization technology.



CIRCUIT
WINDING ROAD

SPORT RIDING

SPORT
TOURING

RACE

CUSTOM

AMERICAN

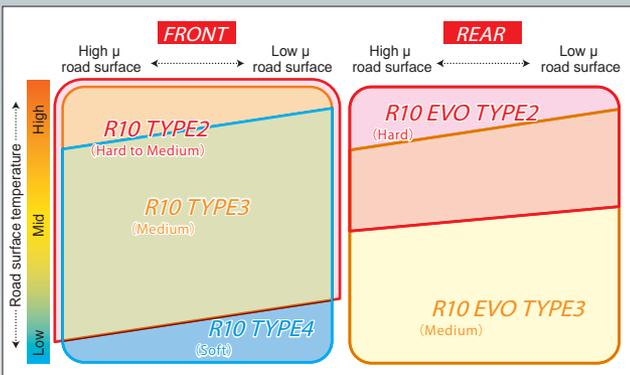
SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

Compound Selection Chart



“R10 EVO/R10” is designed especially for track racing. Available to registered sellers only.

▲ Warning: R10/R10evo product is a dry tire especially designed for track racing, and is designed and developed for the use in production races. Use care when riding in areas where ambient temperature conditions or road surface temperature/conditions are not appropriate for the compound of the tires installed, or when first starting out and the tires still have not reached their proper temperature, as sufficient grip performance will not be achieved and poor wear will occur under such conditions. Riding vehicles which are not properly adjusted or set up may result in instability caused by wobbling (vehicle oscillation) or serious accident. Modification or exposure to strong impact under low temperature conditions may cause the tire tread to crack.

CAUTION: Drive approximately 100miles to break-in the tires to the road surface.

· Tires cannot be used when the groove depth becomes less than 0.8mm.

· Store tires away from direct light, rain, water, and oil.

※If you have any questions, please contact the distributor.



RADIAL

RACE

BATTLAX **BT-016 PRO** HYPERSPORT
BATTLAX **BT-016** HYPERSPORT



*1: Front tire only. *2: Rear tire only. *3: BT-016 PRO only

Sports Radial for 80's Custom Motorcycle!
Maintains performance level throughout the life of the tire.



BT-016 PRO [Front]

Tire Size	TL/TT	Appr.Rim
120/70ZR17 M/C(73W)	TL	3.00~3.50

BT-016 PRO [Rear]

Tire Size	TL/TT	Appr.Rim
180/55ZR17 M/C(73W)	TL	5.50~6.00
190/50ZR17 M/C(73W)	TL	5.50~6.00
190/55ZR17 M/C(75W)	TL	5.50~6.00

BT-016 [Front]

Tire Size	TL/TT	Appr.Rim
130/70ZR16 M/C(61W)	TL	3.50~4.00
110/70ZR17 M/C(54W)	TL	2.75~3.50
120/60ZR17 M/C(55W)	TL	3.00~3.50
110/80ZR18 M/C(58W)	TL	2.50~3.00

BT-016 [Rear]

Tire Size	TL/TT	Appr.Rim
150/60ZR17 M/C(66W)	TL	4.00~4.50
160/60ZR17 M/C(69W)	TL	4.50~5.00
170/60ZR17 M/C(72W)	TL	5.00~5.50
160/60ZR18 M/C(70W)	TL	4.50~5.00
150/70ZR18 M/C(70W)	TL	4.00~4.50

RADIAL

WINNING ROAD
SPORT RIDING

BATTLAX BT-090 PRO

BATTLAX BT-090



Recommended for:

- Customers seeking enjoyable driving at production races and track racing, and also who wish stable riding off the track.

Dry grip performance and wet performance improved by using exclusive compound, slick-like paisley patterns, forms, and structures.



BT-090 [Front]

BT-090PRO [Rear]

Tire Size	TL/TT	Appr.Rim
110/70R17 M/C 54H	W	2.75~3.00
110/70R17 M/C 54H	TL	2.75~3.50
120/60R17 M/C 55H	TL	3.00~3.50
120/70R17 M/C 58H	TL	3.00~3.50

Tire Size	TL/TT	Appr.Rim
140/70R17 M/C 66H	W	3.50~4.50
140/70R17 M/C 66H	TL	3.50~4.50
150/60R17 M/C 66H	TL	4.00~4.50
160/60R17 M/C 69H	TL	4.50~5.00
150/60R18 M/C 67H	TL	4.00~4.50

RADIAL

RACE

for MIDDLE BIKE

BATTLAX BT-92



Recommended for:

- Customers seeking high performance tires and a better cost performance for touring and winding road running.

Equipped with high-and-low slanted groove patterns based on MS·BELT and Sport SACT.



BT-92 [Front]

BT-92 [Rear]

Tire Size	TL/TT	Appr.Rim
110/70R17 M/C 54H	TL	2.75~3.50
120/60R17 M/C 55H	TL	3.00~3.50
120/70R17 M/C 58H	TL	3.00~3.50

Tire Size	TL/TT	Appr.Rim
140/60R17 M/C 63H	TL	3.50~4.50
140/70R17 M/C 66H	TL	3.50~4.50
150/60R17 M/C 66H	TL	4.00~4.50
160/60R17 M/C 69H	TL	4.50~5.00
140/60R18 M/C 64H	TL	3.50~4.50
150/60R18 M/C 67H	TL	4.00~4.50

RADIAL

SPORT TOURING

for MIDDLE BIKE

BATTLAX BT-39

BATTLAX BT-39SS

The standard sport bias equipped with aspects for both sport and comfort!

Recommended for:

- Customers wishing to enjoy sport winding.

- Both dry and wet grip performances are improved by using a silica-composite compound.
- Slick-like pattern provides high-level dry grip performance.
- Both dry and wet performances are achieved through negative control, which ensure negative ratio during shallow banking.
- Optimized rigidity balances the front and rear tires, producing finely balanced high performance, easy use and comfortable ride.

* "BT-39" and "BT-39SS" are designed with the same patterns.



BT-39 [Front]

BT-39SS [Front]

Tire Size	TL/TT	Appr.Rim
100/90-16 M/C 54H	TL	2.15~2.75
100/80-17 M/C 52H	TL	1.85~2.75
110/70-17 M/C 54H	TL	2.75~3.50
110/80-17 M/C 57H	TL	2.15~3.00

Tire Size	TL/TT	Appr.Rim
80/90-16 M/C 43S	TL	1.85~2.15
80/90-17 M/C 44S	TL	1.85~2.15
※ 90/80-17 M/C 46S	W	1.85~2.50
90/80-17 M/C 46S	TL	1.85~2.50
100/80-17 M/C 52S	TL	1.85~2.75

BT-39 [Rear]

BT-39SS [Rear]

Tire Size	TL/TT	Appr.Rim
130/90-16 M/C 67H	TL	2.50~3.50
120/80-17 M/C 61H	TL	2.15~3.00
130/70-17 M/C 62H	TL	3.00~4.00
140/70-17 M/C 66H	TL	3.50~4.50
150/70-17 M/C 69H	TL	3.50~4.50
140/70-18 M/C 67H	TL	3.50~4.50

Tire Size	TL/TT	Appr.Rim
90/90-17 M/C 49S	TL	1.85~2.50
100/80-17 M/C 52S	TL	1.85~2.75
120/80-17 M/C 61S	TL	2.15~3.00
100/90-18 M/C 56S	TL	1.85~2.75

※Usable for both front and rear tires.

Not for use on public roads. Since these tires are for racing, they are not suitable for use on public roads
※250-18 M/C 45L W 1.40~1.60

BIAS

WINDING ROAD SPORT RIDING

for MIDDLE BIKE

BATLAX BT-601SS

“LIGHT-SPORT” BT-601SS for mini bikes.

Equipped with a slick-like pattern, and is suitable for high temperature conditions. Born to win mini bike races.



BATLAX BT-601SS Wet

Wet tire with high performance, providing fun racing even on rainy days.

Grip performance, as well as cornering/breaking performance has been improved in both full- and semi-wet tires, making it possible to closely follow the dry tire line (BT-601SS). Favorable lineups for heavy users are also available. Products specifications, which are exclusively for track racing use, over a wide range from mini bike courses to full course tracks, are also lined up.

*Caution: Since the exclusive compound for wet tires which was developed use during wet track racing, the life of tires may be short when used on dry roads.

*Be sure confirm race regulations before using the tires.

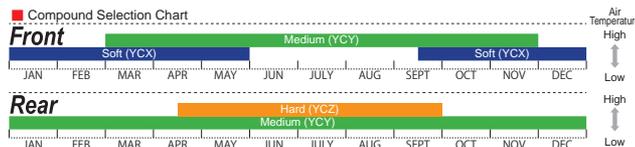


BT-601SS [Front]

Tire Size	TL/TT	Compound	Appr.Rim
100/90-12 49J	TL	YCX	2.15~2.75
100/90-12 49J	TL	YCY	2.15~2.75

BT-601SS [Rear]

Tire Size	TL/TT	Compound	Appr.Rim
120/80-12 55J	TL	YCY	2.50~3.50
120/80-12 55J	TL	YCY	2.50~3.50



BT-601SS Wet NHS(Not for Highway Service) [Front]

Tire Size	Compound	Appr.Rim	Recommended air pressure (when cold) (kPa)
100-90-12	YEK	2.50~2.75	170~200

BT-601SS Wet NHS (Not for Highway Service) [Rear]

Tire Size	Compound	Appr.Rim	Recommended air pressure (when cold) (kPa)
120/80-12	YEK	2.75~3.50	170~200

BATTLAX BT-39SS Mini

for DRY
(YCX & YCY)



BT-39SS Mini [Front · Rear]

Tire Size	Compound	TL/TT	Appr.Rim
3.00-10 42J	YCX	TL	1.85~2.15
3.00-10 42J	YCY	TL	1.85~2.15
3.50-10 51J	YCX	TL	2.15~2.50
3.50-10 51J	YCY	TL	2.15~2.50
80/90-10 35J		TL	1.85~2.15
90/90-10 50J		TL	2.15~2.50

BIAS

RACE

for MINI BIKE

BATTLAX BT-390

**Bias tire with high grip performance,
customizes Honda Z series, Honda Super Cub, etc.
making them more sporty.**



BT-390 [Front · Rear]

Tire Size	TL/TT	Appr.Rim
3.50-8 46J	W	2.15
2.50-17 38L	W	1.40~1.60

BIAS

CUSTOM

for MONKEY/CUB

BATTLAX BT-45V BATTLAX BT-45



* Rear tire only.

The definitive touring bias tire. A proud long seller with total high performance to meet the needs of the user.

Recommended for:

- Customers wishing to enjoy all around riding, over a wide range from town use to long touring and winding.
- Sport SACT is used for the rear tire. Features high grip performance for fun winding road running, and durability which shows its real value in long touring. The harmony of these features well matches sport riding, and also are strong allies for touring enthusiasts.
- Realizes soft and stable riding feel even with the bias tires. Reduces rider fatigue while riding over rough roads or long touring.

* "BT-45V" and "BT-45" are designed with the same patterns.



BT-45V [Front]

Tire Size	TL/TT	Appr.Rim
110/90-16 M/C 59V	TL	2.15~3.00
120/80-16 M/C 60V	TL	2.50~3.00
110/80-17 M/C 57V	TL	2.15~3.00
100/90-18 M/C 56V	TL	1.85~2.75
110/80-18 M/C 58V	TL	2.15~3.00
110/90-18 M/C 61V	TL	2.15~3.00
100/90-19 M/C 57V	TL	1.85~2.75

BT-45 [Front]

Tire Size	TL/TT	Appr.Rim
100/90-16 M/C 54H	TL	2.15~2.75
100/80-17 M/C 52H	TL	1.85~2.75
110/70-17 M/C 54H	TL	2.75~3.50
110/80-17 M/C 57H	TL	2.15~3.00
120/70-17 M/C 58H	TL	3.00~3.50
3.50-18 56H	W	1.85~2.50
90/90-18 M/C 51H	TL	1.85~2.50
100/80-18 M/C 53H	TL	1.85~2.75
100/90-18 M/C 56H	TL	1.85~2.75
3.25-19 54H	TL	1.85~2.50
100/90-19 M/C 57H	W	1.85~2.75
90/90-21 M/C 54H	TL	1.85~2.50

BT-45V [Rear]

Tire Size	TL/TT	Appr.Rim
※1 130/90-16 M/C 67V	TL	2.50~3.50
150/80-16 M/C 71V	TL	3.00~4.00
120/90-17 M/C 64V	TL	2.15~3.00
130/90-17 M/C 68V	TL	2.50~3.50
140/80-17 M/C 69V	TL	2.75~3.50
150/70-17 M/C 69V	TL	3.50~4.50
120/90-18 M/C 65V	TL	2.15~3.00
130/80-18 M/C 66V	TL	2.50~3.50
140/70-18 M/C 67V	TL	3.50~4.50
140/80-18 M/C 70V	TL	2.75~3.50
150/70-18 M/C 70V	TL	3.50~4.50

※1 Note: For rear installation on a Harley Davidson XL1200S (sportster, sport), there may not be enough clearance.

BT-45 [Rear]

Tire Size	TL/TT	Appr.Rim
130/90-16 M/C 67H	TL	2.50~3.50
110/90-17 M/C 60H	TL	2.15~3.00
120/80-17 M/C 61H	TL	2.15~3.00
130/70-17 M/C 62H	TL	3.00~4.00
130/80-17 M/C 65H	W	2.50~3.50
130/80-17 M/C 65H	TL	2.50~3.50
140/70-17 M/C 66H	TL	3.50~4.50
150/70-17 M/C 69H	TL	3.50~4.50
4.00-18 64H	W	2.15~3.00
4.00-18 64H	TL	2.15~3.00
110/80-18 M/C 58H	TL	2.15~3.00
110/90-18 M/C 61H	TL	2.15~3.00
120/80-18 M/C 62H	TL	2.15~3.00
130/70-18 M/C 63H	TL	3.00~4.00
140/70-18 M/C 67H	TL	3.50~4.50
150/70-18 M/C 70H	TL	3.50~4.50

BIAS

SPORT TOURING

EXEDRA MAX

Cruise to the MAX「EXEDRA MAX」!!

EXEDRA MAX, the sports type tire for American Cruisers. Its excellent basic performance and sound quality has been established under strict international conditions, providing an even more enjoyable and comfortable bike life.

Bias tire



Front

Rear

Radial tire



Front

Rear

EXEDRA MAX [Front]

Tire Size	TL/TT	Appr.Rim
■ Bias		
130/90-16 M/C 67H	W	2.50~3.50
130/90-16 M/C 67H	TL	2.50~3.50
130/90B16 M/C 67H	TL	2.50~3.50
150/80-16 M/C 71H	TL	3.00~4.00
120/90-17 M/C 64H	W	2.15~3.00
120/90-17 M/C 64H	TL	2.15~3.00
110/90-18 M/C 61H	W	2.15~3.00
110/90-18 M/C 61H	TL	2.15~3.00
100/90-19 M/C 57H	W	1.85~2.75
100/90-19 M/C 57H	TL	1.85~2.75
110/90-19 M/C 62H	W	2.15~3.00
110/90-19 M/C 62H	TL	2.15~3.00
80/90-21 M/C 48H	W	1.60~2.15
80/90-21 M/C 48H	TL	1.85~2.15
90/90-21 M/C 54H	W	1.85~2.50
90/90-21 M/C 54H	TL	1.85~2.50
■ Radial		
150/80R16 M/C 71V	TL	3.50~4.00
130/70ZR17 M/C(62W)	TL	3.50~4.00
120/70ZR18 M/C(59W)	TL	3.00~3.50
130/70ZR18 M/C(63W)	TL	3.50~4.00
120/70ZR19 M/C(60W)	TL	3.00~3.50

EXEDRA MAX [Rear]

Tire Size	TL/TT	Appr.Rim
■ Bias		
130/90-15 M/C 66S	W	2.50~3.50
130/90-15 M/C 66S	TL	2.50~3.50
140/90-15 M/C 70H	W	2.75~3.50
140/90-15 M/C 70H	TL	2.75~3.50
150/80-15 M/C 70H	W	3.00~4.00
150/80-15 M/C 70H	TL	3.00~4.00
150/90B15 M/C 74V	TL	3.00~4.00
160/80-15 M/C 74S	W	3.50~4.50
160/80-15 M/C 74S	TL	3.50~4.50
170/80B15 M/C 77H	TL	3.50~4.50
180/70-15 M/C 76H	TL	4.50~5.50
150/80B16 M/C 71H	W	3.00~4.00
150/80B16 M/C 71H	TL	3.00~4.00
170/70B16 M/C 75H	TL	4.00~5.00
■ Radial		
180/70R16 M/C 77V	TL	5.00~5.50
200/60R16 M/C 79V	TL	5.50~6.25
240/55R16 M/C 86V	TL	7.00~8.00
170/60ZR17 M/C (72W)	TL	5.00~5.50
190/60R17 M/C 78V	TL	5.00~6.00
200/50ZR17 M/C (75W)	TL	6.00~6.50

Recommended for:

- Customers who own an American cruiser.
- Customers wanting to enjoy a comfortable long and highway touring.
- The latest pattern design and proven technology are used so modified cruisers can exhibit excellent basic performances.
- The crown pattern/structure for cruisers is used. Excellent straight line stability and controllability are achieved even when riding a heavy vehicle with passenger.
- Optimum compound and structure/pattern design for cruisers are used. Excellent dry and wet grip performances, as well as long wear life, have been achieved.

CIRCUIT
WINDING ROADWINDING ROAD
SPORT RIDINGSPORT
TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

On-road High Performance Type

EXEDRA

Linear handling and high speed, straight line stability

“Exedra American Radial” Compatible with radial-installed American Flagship Models requiring high maneuverability.

G851



Front

G850



Rear

G851 [Front]

Tire Size	TL/TT	Appr.Rim
130/70ZR17 M/C(62W)	TL	3.50~4.00
120/70ZR18 M/C(59W)	TL	3.00~3.50
130/70ZR18 M/C(63W)	TL	3.50~4.00
130/70R18 M/C 63H	TL	3.50~4.00
120/70ZR19 M/C(60W)	TL	3.00~3.50

G850 [Rear]

Tire Size	TL/TT	Appr.Rim
180/70ZR16 M/C(77W)	TL	5.00~5.50
170/60ZR17 M/C(72W)	TL	5.00~5.50
190/60R17 M/C 78H	TL	5.00~6.00
200/50ZR17 M/C(75W)	TL	6.00~6.50
180/55ZR18 M/C(74W)	TL	5.50~6.00

G853



Front

G852



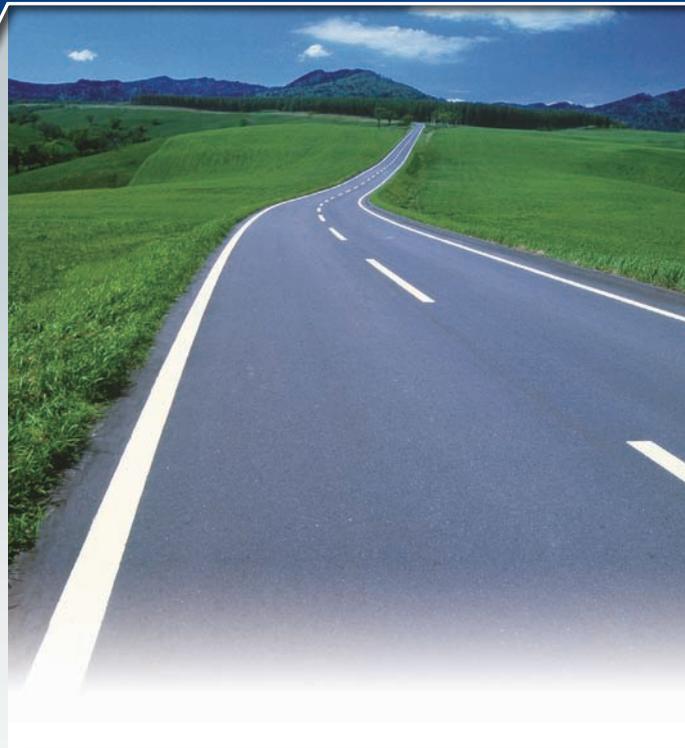
Rear

G853 [Front]

Tire Size	TL/TT	Appr.Rim
150/80R16 M/C 71V	TL	3.50~4.00
120/70ZR18 M/C(59W)	TL	3.00~3.50

G852 [Rear]

Tire Size	TL/TT	Appr.Rim
240/55R16 M/C 86V	TL	7.00~8.00
200/50ZR17 M/C(75W)	TL	6.00~6.50



Sport tires for American models

BATTLAX BT-39

BATTLAX BT-39

for American models.

Features high dry/wet grip performances and maneuverability inherited from Battlax, which was developed for racing.



Front



Rear

BT-39 [Front]

Tire Size	TL/TT	Appr.Rim
100/90-19 M/C 57H	TL	1.85~2.75

BT-39 [Rear]

Tire Size	TL/TT	Appr.Rim
130/90-16 M/C 73H	TL	2.50~3.50

RADIAL

AMERICAN

BIAS

AMERICAN

BATTLAX SC

Street sneaker

HOOP

Exclusive radial for big scooters from the BATTLAX brand.

- Pattern design for hyper sport tires is used to provide high controllability and handling performance.
- Pattern noise has been reduced, and dry/wet performances have been greatly increased by using a pattern design with wide grooves.



B03 PRO B03 B02 PRO B02

HOOP tires are suited for big scooters, HOOP PRO has high grip specification and a full line up.

*"B03 PRO" and "B03" are designed with the same pattern. For "B03 PRO", "PRO" is also marked alongside the pattern name ("B03") on the side wall.

B03 PRO /
B03 Front



B03PRO [Front]

Tire Size	TL/TT	Appr.Rim
110/90-12 64L	TL	2.15~3.00
110-90-13 M/C 55P	TL	2.15~3.00
120/70-14 M/C 55S	TL	2.75~3.50
120/80-14 M/C 58S	TL	2.15~3.00

B03 [Front]

Tire Size	TL/TT	Appr.Rim
110/70-12 47L	TL	2.50~3.50
110-90-12 64L	TL	2.15~3.00
110-90-13 M/C 55P	TL	2.15~3.00
110-90-13 M/C 55P	TL	2.15~3.00
120/70-13 M/C 53L	TL	2.75~3.50
120/70-14 M/C 55S	TL	2.75~3.50
120/80-14 M/C 58S	TL	2.15~3.00

SILICA RICH ^{※6}

*"B02 PRO" and "B02" are designed with the same pattern. For "B02 PRO", "PRO" is also marked alongside the pattern name ("B02") on the side wall.

B02 PRO /
B02 Rear



B02PRO [Rear]

Tire Size	TL/TT	Appr.Rim
130/70-12 62L	TL	3.00~3.50
130/70-13 M/C 57P	TL	3.00~4.00
150/70-13 M/C 64S	TL	3.50~4.50
150/70-14 M/C 66S	TL	3.50~4.50

B02 [Rear]

Tire Size	TL/TT	Appr.Rim
110/90-10 51J	TL	2.15~3.00
120/70-12 51L	TL	2.75~3.50
130/70-12 62L	TL	3.00~3.50
140/70-12 65L	TL	3.50~4.50
130/60-13 M/C 53L	TL	3.00~4.00
140/70-13 M/C 61P	TL	3.50~4.50
150/70-13 M/C 64S	TL	3.50~4.50
150/70-14 M/C 66S	TL	3.50~4.50

BATTLAX SC [Front]

Tire Size	TL/TT	Appr.Rim
120/70R14 M/C 55H	TL	3.00~3.50
120/70R15 M/C 56H	TL	3.00~3.50

BATTLAX SC [Rear]

Tire Size	TL/TT	Appr.Rim
160/60R14 M/C 65H	TL	4.50~5.00
160/60R15 M/C 67H	TL	4.50~5.00



B01



B01 [Front · Rear]

Tire Size	TL/TT	Appr.Rim
3.00-8 26J	W	1.85~2.15
2.75-10 26J	W	1.50~1.85
3.00-10 42J	W	1.85~2.15
3.00-10 42J	TL	1.85~2.15
3.50-10 51J	TL	2.15~2.50
80/90-10 44J	TL	1.85~2.15
90/90-10 50J	TL	2.15~2.50
100/90-10 56J	TL	2.15~2.75
90/90-12 44J	TL	1.85~2.50
100/80-12 56J	TL	1.85~2.75

RADIAL

SCOOTER

BIAS

SCOOTER

Active Foot Worker for both city and highway riding.

BATTLE WING

BW-501 / BW-502

High performance which can meet strict demands has been achieved through a series of tests carried out under different conditions in Europe, in order to respond to the continuing advancement of big off-road bikes.



Mainly for
on-road use



Front



Rear



- An original and unique pattern ensures linear handling and high wet performances.
- A high grip compound is used. The silica-composite compound of the rear tire particularly ensures high wet performance and long wear life.
- Outside beat filler structure and HTSPC are used for the rear tire. Optimized rigidity balance improves shock absorption and grip performance.

BW-501 [Front]

Tire Size	TL/TT	Appr.Rim
100/90-19 M/C 57H	W	1.85~2.75
110/80R19 M/C 59H	TL	2.50~3.00
110/80R19 M/C 59V	TL	2.50~3.00
90/90-21 M/C 54H	W	1.85~2.50

BW-502 [Rear]

Tire Size	TL/TT	Appr.Rim
* 130/80R17 M/C 65H	W	2.50~3.50
* 140/80R17 M/C 69H	W	3.00~3.50
140/80R17 M/C 69V	TL	3.00~3.50
150/70R17 M/C 69H	TL	4.00~4.50
150/70R17 M/C 69V	TL	4.00~4.50

*Tube Type

BW-201 / BW-202

Exclusive pattern for on-road use and off-road vehicles

- BATTLE WING for on-road use provides both long wear life and higher grip performance.

Mainly for
on-road use



Front



Rear

BIAS

ON ROAD

Trotting across the wide country in a heavy-duty adventure.

TRAIL WING

TW301 / TW302

TRAIL WING is for seekers of fun, both on and off the road.

Mainly for
on-road use



Front



Rear



[Front]

Tire Size	TL/TT	Appr.Rim	BW-201	TW-301
2.75-21	45P	W	1.40~1.85	MCS09914
3.00-21	51P	W	1.60~2.15	* MCS09915
80/100-21 M/C 51P		W	1.60~2.15	MCS01255
90/90-21 M/C 54S		W	1.85~2.50	MCS09653

[Rear]

Tire Size	TL/TT	Appr.Rim	BW-202	TW-302
4.60-17	62P	W	2.15~2.75	MCS07759
4.10-18	59P	W	1.85~2.50	MCS09916
4.60-18	63P	W	2.15~2.75	MCS09917
120/80-18 M/C 62P		W	2.15~3.00	MCS08632
120/80-18 M/C 62P		W	2.15~3.00	MCS04243
120/80-18 M/C 62P		TL	2.50~3.00	MCS09919
120/80-18 M/C 62P		TL	2.15~3.00	MCS08631
120/80-18 M/C 66S		W	2.50~3.50	MCS08647

*Similar to other sizes, please install the tires following the rotation direction marks. The serial number and position of the light spot (yellow spot) mark are opposite to those of normal tires.

RADIAL/BIAS

ON ROAD

OFF ROAD

BIAS

ON ROAD

OFF ROAD

CIRCUIT
WINDING ROAD

WINDING ROAD
SPORT RIDING

SPORT
TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

CIRCUIT
WINDING ROAD

WINDING ROAD
SPORT RIDING

SPORT
TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD
OFF ROAD

ENDURO RACE

Gritty Grip in command of the land.

GRITTY

**The genuine Enduro race tire.
Can also be run on public roads.
Meets FIM regulations,* features
excellent traction performance.**

*FIM regulations: Regulation regarding groove depth to prevent excessive soil excavating by the tire, which may harm the natural environment. (groove depth of the rear tire: less than 13mm)

ED663 **ED668**

Mainly for

off-road use



Front



Rear

ED663 [Front]

Tire Size	TL/TT	Appr.Rim
90/90-21 M/C 54R	W	1.85~2.50

ED668 [Rear]

Tire Size	TL/TT	Appr.Rim
120/90-18 M/C 65R	W	2.15~3.00
140/80-18 M/C 70R	W	2.75~3.50

ED661 **ED660**

Mainly for

off-road use



Front



Rear

ED661 [Front]

Tire Size	TL/TT	Appr.Rim
90/90-21 M/C 54R	W	1.85~2.50

ED660 [Rear]

Tire Size	TL/TT	Appr.Rim
120/90-18 M/C 65R	W	2.15~3.00
140/80-18 M/C 70R	W	2.75~3.50

ED03 **ED04**

Mainly for

off-road use



Front



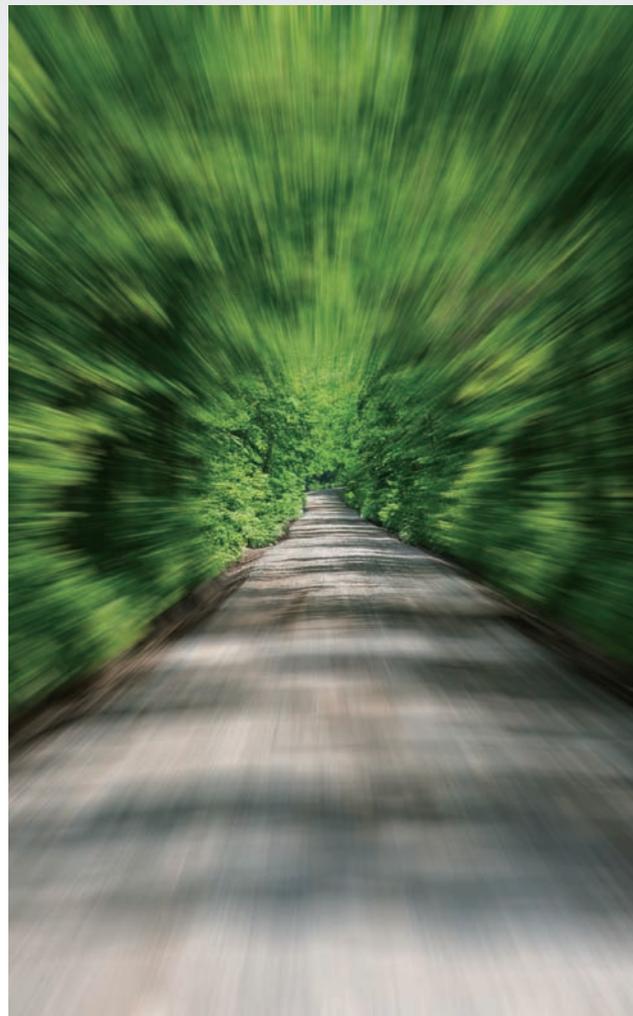
Rear

ED03 [Front]

Tire Size	TL/TT	Appr.Rim
2.75-21	45P	W
3.00-21	51P	W
80/100-21 M/C 51P		W

ED04 [Rear]

Tire Size	TL/TT	Appr.Rim
4.10-18	59P	W
4.60-18	63P	W
120/90-18 M/C 65P		W
120/90-18 M/C 65P		W



■ Optimum patterns for various ground surfaces (front/rear)

Ground Surface	ED663/ED668	ED661/ED660	ED03/ED04
Paved road	████████████████████	████████████████████	████████████████████
Slight dirt road	████████████████████	████████████████████	████████████████████
Normal dirt road	████████████████████	████████████████████	████████████████████
Soft dirt road	████████████████████	████████████████████	████████████████████
Muddy road	████████████████████	████████████████████	████████████████████

BIAS

ENDURO RACE

CIRCUIT WINDING ROAD

WINDING ROAD SPORT RIDING

SPORT TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD OFF ROAD

ENDURO RACE

CIRCUIT WINDING ROAD

WINDING ROAD SPORT RIDING

SPORT TOURING

RACE

CUSTOM

AMERICAN

SCOOTER

ON ROAD

ON ROAD OFF ROAD

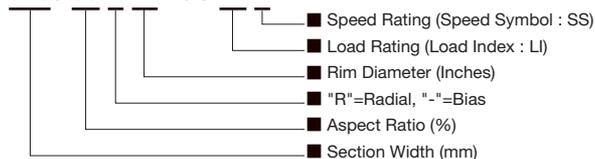
ENDURO RACE

CONVERSION CHARTS

Street Tire Size Designations

Street Tire Size Designations

170 / 60 R 17 M/C 72 H



Inch Designations

3.00 / 21 4PR



Alphabetical Designations

M T 90 B 16 71 H



Motorcycle Street Tire Size

Front

Metric	Alphabetical	Inch
80/90	MH90	2.50/2.75
90/90	MJ90	2.75/3.00
100/90	MM90	3.25/3.50
110/90	MM90	3.75/4.00
120/80	-	4.25/4.50
120/90	MR90	4.25/4.50
130/90	MT90	5.00/5.10

Rear

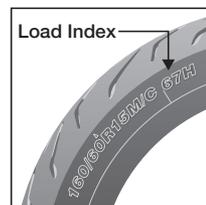
Metric	Alphabetical	Inch
110/90	MN90	3.75/4.25
120/80	MP85	4.50/4.75
120/90	MP85	4.50/4.75
130/80	-	5.00/5.10
130/90	MT90	5.00/5.10
140/80	-	5.50/6.00
140/90	MU90	5.50/6.00
150/80	MV85	6.00/6.25
150/90	MB85	6.00/6.25

Ply Rating and LI/SS Conversion

Ply Rating	LI/SS
2.75-10 2Pry	2.75-10 26J
2.75-10 4Pry	2.75-10 38J
3.00-10 2Pry	3.00-10 32J
3.00-10 4Pry	3.00-10 42J
3.50-10 2Pry	3.50-10 41J
3.50-10 4Pry	3.50-10 51J

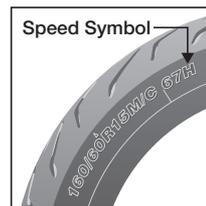
Ply Rating	LI/SS
2.75-14 4Pry	2.75-14 35P
2.75-14 6Pry	2.75-14 41P
2.25-17 4Pry	2.25-17 33L
2.50-17 4Pry	2.50-17 38L
2.50-17 6Pry	2.50-17 43L

Load Rating (Load Index : LI)



LI	KGS	LBS	LI	KGS	LBS
21	82.5	182	51	195	430
22	85	187	52	200	441
23	87.5	193	53	206	454
24	90	198	54	212	467
25	92.5	204	55	218	481
26	95	209	56	224	494
27	97.5	215	57	230	507
28	100	220	58	236	520
29	103	227	59	243	536
30	106	234	60	250	551
31	109	240	61	257	567
32	112	247	62	265	584
33	115	254	63	272	600
34	118	260	64	280	617
35	121	267	65	290	639
36	125	276	66	300	661
37	128	282	67	307	677
38	132	291	68	315	694
39	136	300	69	325	716
40	140	309	70	335	736
41	145	320	71	345	761
42	150	331	72	355	783
43	155	342	73	365	805
44	160	353	74	375	827
45	165	364	75	387	853
46	170	375	76	400	882
47	175	386	77	412	908
48	180	397	78	425	937
49	185	408	79	437	963
50	190	419			

Speed Rating (Speed Symbol : SS) for Motorcycle use



SS	Km/h	Mph
F	80	50
J	100	62
L	120	75
M	130	81
N	140	87
P	150	94
R	170	106
S	180	112
H	210	130
V	240	149
Z	240+	149+
W	270	168
(W)	270+	168+

WARNING

**SERIOUS INJURY OR DEATH MAY RESULT FROM:
AN EXPLOSION OF THE TIRE/RIM ASSEMBLY DUE TO
IMPROPER MOUNTING PROCEDURES.**

- Only specially trained persons should mount tires.
- Always match tire and rim diameters.
- During inflation always have assembly restrained, stand clear, and use remote controlled clip-on air hose.
- To seat tire bead, never exceed the following pressure:
 - ATV Tires : Do not exceed maximum pressure shown on tire sidewall.
 - Motorcycle Tires : Do not exceed 57P.S.I.
- After seating tire beads, adjust inflation to operating pressure recommended by vehicle manufacturer.
- Never put a flammable substance into a tire/rim assembly.

**LOSS OF VEHICLE CONTROL DUE TO FAILURE TO
"BREAK-IN" TIRES.**

- Use extreme caution when riding on new tires.
- Avoid sudden acceleration, maximum braking, and hard cornering for first 100miles.

Care and Use at Low Temperatures:

- High performance motorcycle tires may crack in the tread area from impact or deformation at low ambient temperatures. Handle and store the tires with care. Always ride carefully until the tires are warmed up, particularly in low ambient temperature conditions.

MISE EN GARDE

**UN MONTAGE INAPPROPRIÉ PEUT CAUSER L'ÉCLATEMENT
DE L'ENSEMBLE DE PNEU-ROUE ET
ENTRAÎNER DES BLESSURES GRAVES, VOIRE MORTELLES.**

- Le montage ou démontage de pneus ne doit être effectué que par des personnes qui ont reçu une formation adéquate.
- Le diamètre du pneu doit toujours correspondre à celui de la jante.
- Toujours gonfler le pneu dans une cage de sécurité ou autre dispositif de retenue et utiliser un gonfle-pneus à mandrins à machoires à commande à distance.
- Pour assurer l'assise du talon sur la jante, ne jamais excéder les pressions suivantes:
 - Pneus de véhicule tout terrain : Ne pas excéder la pression maximale inscrite sur le flanc du pneu.
 - Pneus de Moto : Ne pas excéder 57 lb/po²(390Kpa).
- Une fois les talons bien assis, ajustez la pression des pneus selon la recommandation du fabricant du véhicule.
- Ne jamais introduire de substance inflammable dans un pneu et l'allumer pour asseoir les talons sur la jante.

**LE FAIT DE NE PAS "RODER" LES PNEUS PEUT CAUSER LA
PERTE DE MAÎTRISE DU VÉHICULE ET ENTRAÎNER DES
BLESSURES GRAVES, VOIRE MORTELLES**

- Soyez prudent lorsque vous roulez avec des pneus neufs.
- Évitez les accélérations soudaines, les freinages brusques et les virages serrés au cours des premiers 100milles.

Précautions et utilisation à basse température :

- Les pneumatiques moto haute performance pourraient avoir des fissures sur la bande de roulement suite à un impact ou à une déformation importante à basse température ambiante. La manipulation et le stockage des pneumatiques doivent se faire avec soin. Toujours rouler avec précautions jusqu'à ce que les pneumatiques soient chauds et ce particulièrement à température ambiante basse.