Tyres and tubes

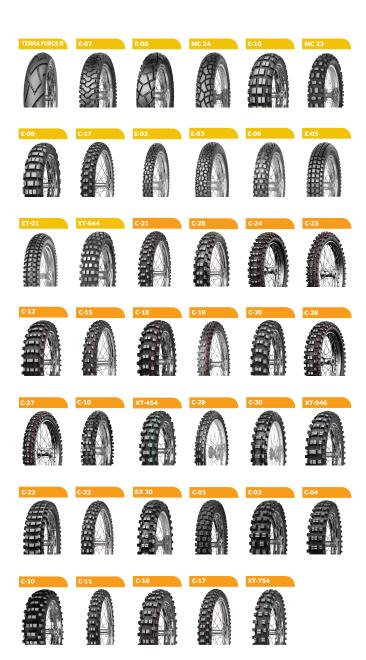
for trail, enduro, motocross, trial, flat track and speedway

OFF-ROAD BROCHURE 2017





Tread patterns































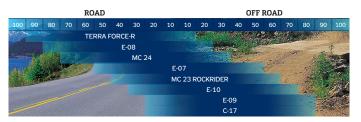




Contents

E, MC	TRAIL	4
c, xt, sx	MOTOCROSS	10
EF, C	ENDURO	20
C, E	RALLY	22
ET	TRIAL	22
sw	SPEEDWAY	23
н	FLAT TRACK	24





Tyre markings for trail tyres

 Yellow stripe - DAKAR: Stronger tyre, suitable for higher loads, longer adventure trips and extreme conditions



Dual purpose tyre for adventure riders.

ROAD |

90 10 OFF ROAD



LONGER SERVICE LIFE

Strong Carcass Technology maintains the carcass rigidity at a high level even as the tyre wears, thereby prolonging the optimum driving performance throughout the tyre's service life.



HIGH GRIP AND STABILITY

Using the finite elements analysis (FEA) and a special computer-assisted simulation, optimum tyre construction was designed to achieve the highest level of grip, but at the same time rigid enough to achieve driving stability.



MAXIMUM CONTROI.

In Mitas TERRA FORCE-R design, the tread groove depth follows the shape of actual tyre tread wear.



OVERHEATING

3-D Optimum Groove Technology (OGT 3D) is featured by optimum tread groove direction, optimum groove depth and less overheating of tread compounds.

Cooling ribs



120/90-17	64H	TL	[R]	
130/80-17	65H	TL	[R]	
140/80R17	69V	TL	[R]	
150/70R17	69V	TL	[R]	
170/60R17*	72V	TL	[R]	
100/90-19	57H	TL	[F]	
110/80R19	59V	TL	[F]	

60V

54H

TERRA FORCE - R

120/70R19*

90/90-21

90/90-21

NEW TECHNOLOGY

OSCT - Optimum Steel Cord Technology The OSC technology allows defining the optimum construction of the reinforcing 0° steel cord as well as the optimum arrangement of steel cord breakers within a tyre carcass. The end result is an ideally balanced tyre, which ensures optimal contact patch between the tyre and the road surface in all driving conditions, especially at greater lean angles and higher speeds. The OSC technology enables a precise determination of comfort and rigid zone position within a carcass. With a suitable zone position, either sports or touring characteristics of a tyre, or a combination of both, can be emphasised.

SAFE, DYNAMIC AND RIDER-FRIENDLY TYRE

[F]

[F]

[F]

- Immediate grip, excellent traction on wet or dry roads, strong carcass and high puncture resistance.
- Easy steering and manoeuvrability with good straight and corner stability.
- Consistent performance through its lifetime and under heavy loads.
- Most modern elastomers and high active fillers for excellent grip in all conditions, optimal balanced wear rate and maximum confidence.

^{*}Available in second quarter 2017.

E-07 ROAD 50 50 OFF ROAD



OPTIMAL PERFORMANCE

The E-07 is designed for 50% on road and 50% off road use. Due to its hardwearing compound and optimal performance on road and off road, the E-07 is a highly popular dual sport tyre on many road trips all around the world.





DAKAR VERSION

E-07 is also available in the Dakar version (yellow stripe) – a durable tyre suitable for higher loads, longer adventure trips and extreme conditions.



M+S

Tyre is suitable for year round operation. Maximum designed tyres speed should be observed if fitted on a motorcycle with a higher designed tyre speed.

	E-0	7			
120/90-17	64S	TL	[R]		
130/80-17	65T	TL	[R]		
140/80-17	69T	TL	[R]		
140/80-17	69T	TL	[R]	DAKAR	
150/70-17	69T	TL	[R]	DAKAR	
150/70-17	69T	TL	[R]		
120/80-18	62S	TL	[R]		
130/80-18	72T	TL	[R]		
140/80-18	70T	TL	[R]		
140/80-18	70T	TL	[R]	DAKAR	
150/70-18	70T	TL	[R]		
150/70-18	70T	TL	[R]	DAKAR	
100/90-19	57T	TL	[F]		
100/90-19	57T	TL	[F]	DAKAR	
110/80-19	59T	TL	[F]		
110/80-19	59T	TL	[F]	DAKAR	
90/90-21	54T	TL	[F]		
90/90-21	54T	TL	[F]	DAKAR	

(Ken Condon, Riding in the zone,

http://www.ridinginthezone.com/product-review-mitas-e-07-dakar-dual-sport-tires/, August 1, 2016)

[&]quot;However, the E-07 is the closest thing I've found to a true 50/50 tire for adventure riders." (Bret Tkacs, ADVMoto, May/June 2016)

[&]quot;The Mitas E-07 looks tough as nails, rides well on both wet and dry pavement and does really, really well off-road.

I didn't think I'd like them as much as I do. I say, go for it!"



120/90-17	64T	TL	[R]
130/80-17	65T	TL	[R]
140/80-17	69H	TL	[R]
150/70-17	69H	TL	[R]
4.10-18	60P	TT	[R]
130/80-18	72T	TL	[R]
100/90-19	57H	TL	[F]
110/80-19	59H	TL	[F]
2.75-21	45P	TT	[F]
90/90-21	54T	TL	[F]

MC 24 120/90-17 645 TL [R] 130/80-17 655 [R] ΤI 120/80-18 62S [R] 100/90-19 [F] 90/90-21 54S П

70 30

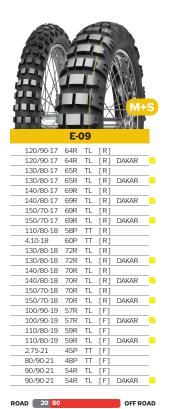
OFF ROAD

ROAD

ROAD 80 20 OFF ROAD























Motorcycle off-road tyres



Tyre markings for motocross and enduro tyres

- Red stripe marking tyres for motocross competition
- White stripe tyre for winter use, spiking, motoskyöring and ice motocross
- Yellow stripe tyres with softer compound suitable for enduro FIM and cross country competition
- Green stripe tyre with softer carcass and soft tread suitable for hard enduro competition
- Double green stripe tyre with softer carcass and extra soft tread compound suitable for extreme hard enduro competition

Tyres without stripe - normal motocross tyres suitable for training and hobby riding

Motocross competition tyres

Cooperation with teams in MXGP results in continuous improvement of our motocross tyres. Such cooperation is the basis for further development of Mitas motocross tyres.

C-21 and C-28

- Recommended for intermediate/hard terrain. Excellent traction in ruts and flat corners.
- Offers great grip in a wider variety of terrains and improves braking performance.
- New tyre compound ensures superior bump absorption, enhanced handling and knobs durability.





chunking resistance.

Shoulder block knobs of both front and rear tyre are arranged in a unique pattern for better traction and grip in medium and mediumhard riding conditions.

	C-2:	1		
80/100-21	51R	TT	[F]	•
90/90-21	54R	TT	[F]	
Sand/mud	Soft	Medium	Ha	rd

	C-28	3	
100/90-19	57M*	П	[R]
110/90-19	62M*	TT	[R]
* NHS			
Sand/mud	Soft	Medium	Hard

SAND/MUD	SOFT		MEDIUN	1	HARD
C-24					
C-25					
	C-12				
	C-15				
		C-18			
		C-19			
				C-:	28
				C-:	21
					C-27
					C-26

Motocross competition tyres





Soft / Mud



Soft



Soft



Soft / Medium

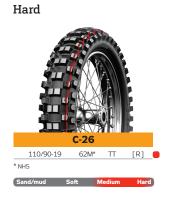


Soft / Medium



Motocross competition tyres





Hard



Sand/mud Soft Medium Hard



Motocross country cross tyres









Motocross country cross extreme tyres







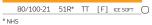






Motocross country cross extreme tyres















* NHS



* NHS

Kid cross tyres





1				
	C-20			
2.75-10	C-20 37M*	T	[R]	
2.75-10 80/100-12		T T	[R]	
	37M*			

Sand/mud Soft Medium Hard





Pit cross tyres





Motocross tyres









Motocross tyres











Enduro FIM tyres

EF-07 Super

The EF-07 tread pattern in the Super version (marked with yellow stripe) was designed to meet the FIM specifications (Federation International Motorcycle) for sport enduro competitions and developed in cooperation with many top enduro riders.



OUTSTANDING GRIP AND TRACTION

Knob distribution and geometry are designed to offer outstanding grip and traction with high resistance in both dry and wet conditions, and from soft/loose to hard terrains.





WIDE RANGE OF TERRAINS

The tread compound is resistant to tearing and cutting, and suited to a wide range of terrains – from soft and intermediate to rocky conditions; the carcass of EF-07 is stiffer than with the green stripe version.

	EF-0	7		
110/80-18	58M	TT	[R]	SUPER
120/90-18	71R	TT	[R]	SUPER
130/90-18	69R	TT	[R]	SUPER
140/80-18	70R	TT	[R]	SUPER
Sand/mud	Soft	Med	ium	Hard





Extreme enduro FIM tyres

EF-07 Super light

The EF-07 Super Light (green stripe) is made from a slightly softer tread compound than the Super version (yellow stripe). It ensures excellent handling in wet forest and meadow soils.

It is designed for the toughest competitions and conforms to the current FIM regulations in terms of design and tread depth.



FOR THE TOUGHEST COMPETITIONS

- Open tread design ejects mud and loose
 - ground that a trials tyre will not.
- Very good grip properties and slightly faster than the yellow stripe version.
- A spaced knob design works well in mud or sand. Tread knobs distribution and geometry are designed to offer outstanding grip and traction in both dry and wet conditions, from soft and loose terrain to hard ground.
- Meant to take the off-road terrain where conditions can be extremely tough to get traction.
- The lightweight, flexible carcass with a reinforced shoulder guarantees a large contact surface and good shock-absorption. It resists tearing and cutting and is suited for tough to extreme off-road conditions; the carcass is more pliable than with the yellow stripe version.





Extreme enduro tyres (*NHS)

EF-07 Super soft



FOR THE MOST DEMANDING CONDITIONS

The Mitas EF-07 Super soft tyre (marked with two green stripes) is a rear tyre combining the enduro tread and ultra sticky soft compound for extreme, most demanding conditions. The tyre is best suited for extreme rocky, stony, wet and mud terrains. It is designed for vertical climbs and used in extreme enduro races. Its significantly enhanced carcass and extra soft compound are ideal for all terrains and offer an excellent grip. It is by far the best choice in races such as Roof-of-Africa, Erzbergrodeo, Red Bull Romaniacs, Sea to Sky, and many others.

The EF-07 Super Soft is best paired with the front tyre, 90/100-21 C-19 Super Light (1 green stripe) for extreme grip.



Rally tyres





Trial tyres



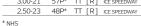


Speedway tyres















Speedway tyres









Mitas is official tyre supplier and associate sponsor of Speedway FIM World Championships.

Flat track tyres





Tubes

OFF ROAD - HEAVY DUTY			
2.50-10,2.75-10,3.00-10	TR4	HD	50
80/100-12 (70/100/3.00/3.25-12)	TR6	HD	50
60/100-14 (2.25/2.50-14)	TR6	HD	50
90/100-14 (3.60/4.10-14)	TR6	HD	30
90/100-16	TR6	HD	30
70/100-17 (2.25/2.50-17)	TR6	HD	30
100/90-17, 110/90-17 (3.00/3.50-17)	TR6	HD	30
140/100-17	TR6	HD	30
140/80-18	TR6	HD	30
120/90,130/80,100/100,110/100-18 (4.00/4.50/4.75/5.00-18)	TR6	HD	30
3.00-19, 3.50-19, 3.75-19, 80/90-19, 90/90-19, 110/90-19, 100/90-19, 110/80-19, 120/90-19, 130/80-19 (130/70-19, 100/90-19, 120/80-19, 70/100-19, 4.00/4.50-19)	TR6	HD	30
120/90-19 (5.00-19)	TR6	HD	30
80/100-21, 90/90-21 (80/90-21, 90/100-21, 80/100-21, 2.50/2.75/3.00/3.25-21)	TR6	HD	30
OFF ROAD - ULTRA HEAVY DUTY			
120/90,130/80,140/80,100/100,110/100-18	TR6	UHD	20
120/80,130/70,100/90,110/90-19	TR6	UHD	20
90/90,80/100-21	TR6	UHD	20

Tubes are made of butyl compound and are packed in individual boxes.

Thickness	mm
Normal	1,2-1,4
HD	1,9-2,0
UHD	4.0





Used acronyms

Acronym	Meaning/Definition
π	Tube Type
TL	Tubeless
Reinforced	Increased load capacity by ETRTO (The European Tyre and Rim Technical Organisation).
SUPER	Design with special tread compound for Enduro racing.
SUPER LIGHT	Design with special tread compound and lightweight frame for Enduro extreme.
SUPER SOFT	Tyre with softer carcass and extra soft tread compound suitable for extreme hard enduro competition.
COUNTRY CROSS	Motocross tyre with Enduro racing tread compound suitable for Country Cross racing.
DAKAR	Design with reinforced frame for extreme rally.
WINTER FRICTION	Special version for use in winter conditions and suitable for spiking.
SPIKE	WINTER FRICTION design with spikes.
ICE SOFT	Special version for motoskijöring.
M+S	Mud+Snow Tyre suitable for winter conditions or year-round operation. Maximum designed tyre speed should be observed if fitted on a motorcycle with a higher designed tyre speed.
M/C	All motorcycle tyres with a rim diameter of 13" or more can only be used on rims designated for motorcycle tyres and are not suitable for rims designed for cars or agricultural applications with the same diameter.
NHS	Not for Higway Service



Don't miss our complete on-road range: **Tyres and tubes for motorcycles, scooters and mopeds.**

A complete assortment of tyres can be found at **www.mitas-moto.com**







Product Area Motorcycle Tires and Tubes

Savatech d.o.o. Škofjeloška cesta 6, 4000 Kranj, Slovenia

Phone: +386 4 206 58 83

info-moto@mitas-tyres.com www.mitas-moto.com www.mitas-tyres.com

Mitas Moto

