



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.
INSTITUT FÜR GUMMITECHNOLOGIE UND PRÜFWERSEN, A.G.
А.О. «ИНСТИТУТ ТЕХНОЛОГИИ РЕЗИНЫ И ИСПЫТАНИЙ»

Společnost je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl B, vložka 818



Zlín 26th June 2025

E8*75R00/20*1774*00

Yokohama TWS Slovenija d.o.o.
Škofjeloška cesta 6
4000 Kranj
SLOVENIA

Communication concerning the approval and notification of approval number and inspection report issued by Inspection body IGTT

Tyre type fully complies requirements of ECE/UN R75.

Enclosed you will find the Communication concerning the approval of your tyres according to ECE/UN Regulation No. 75

On the base of this approval you are entitled to produce in your factory tyres of the dimension:

120/70-16 MITAS ENDURO TRAIL-ADV 2 57S

with the approval number : **E8 75R - 001774**

date of inspection : **26th June 2025**

inspector's name : **Václav Hořelka**

Sincerely yours,



Václav Hořelka
Head Of Tyre Approval Department
Head Of Inspection Body IGTT

**APPLICATION FOR APPROVAL OF A TYPE OF PNEUMATIC TYRE
FOR MOTORCYCLES AND MOPEDS ACCORDING TO ECE REGULATION No. 75**

E8 75R – 001774

4.1.1. Tyre size designation:	120/70-16
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL-ADV 2
4.1.3. The category of use:	NORMAL
4.1.4. Structure (diagonal, bias belted, radial):	DIAGONAL
4.1.5. The speed category:	S
4.1.6. The load-capacity index of the tyre:	57
4.1.7. Tube type or Tubeless:	TUBELESS/TUBE TYPE
4.1.8. Normal or Reinforced:	NORMAL
4.1.9. Ply rating number of tyres for motorcycle derivatives:	TREAD: 2 POLYESTER SIDEWALL: 2 POLYESTER
4.1.10. overall section width: overall diameter:	Overall section width: 119.87 mm Overall diameter: 569.8 mm
4.1.11. The rims on which the tyre can be mounted:	2.75x16, 3.00x16, 3.50x16, 3.75x16
4.1.12. The measuring rim and test rim:	3.50x16
4.1.13. The test and measurement pressure	Test pressure: 300 kPa Measuring pressure: 225 kPa
4.1.14. Factor x	0.7
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	180 km/h

Manufacturer's name and address:

Tyre Manufacturer (1)

Yokohama TWS Slovenija d.o.o.
Škofjeloška cesta 6,
4000 Kranj, Slovenia

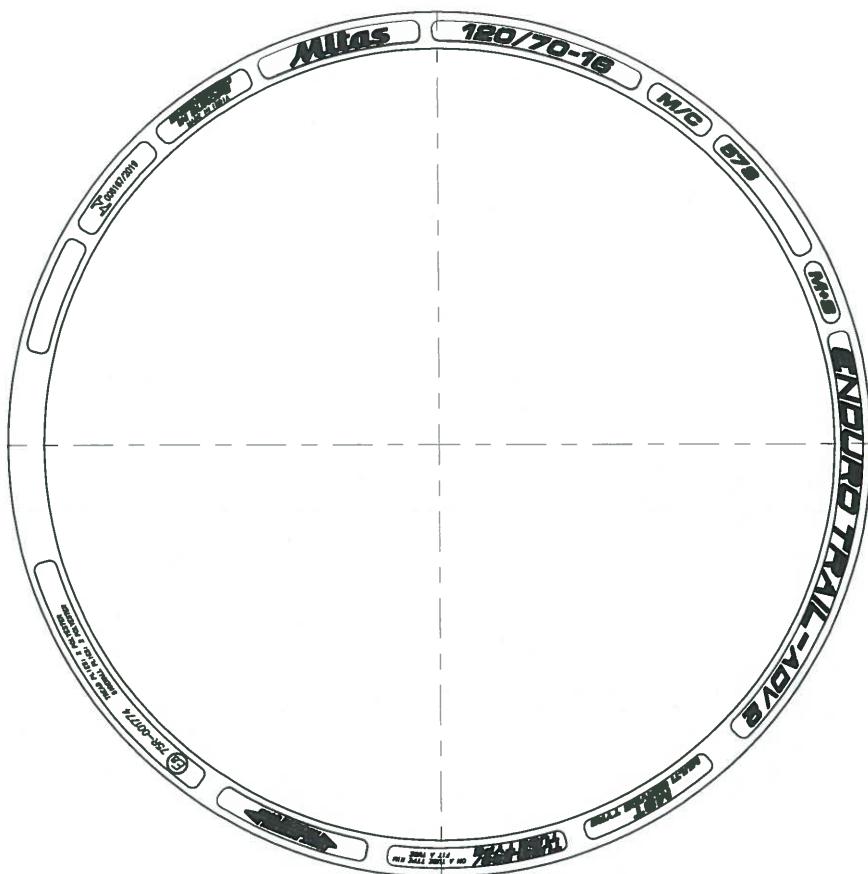
Tyre Manufacturer (2)

Reise Mitas Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140, India

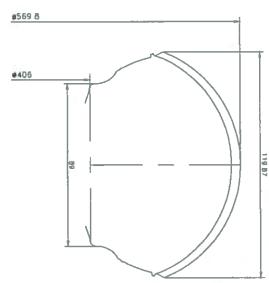
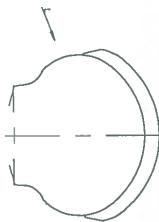
Tyre Manufacturer (3)

Yokohama TWS Czech Republic a.s.
Vavrečkova 7248
760 02 Zlín, Czech Republic

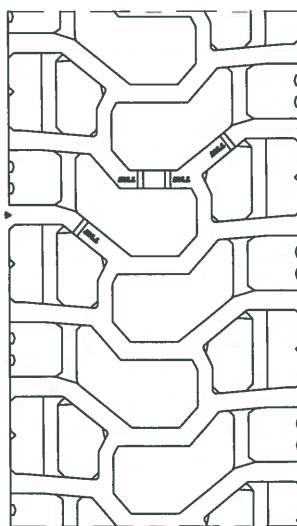
IGTT a.s.
Tyre Approval Department
Štemberská 446, Louky
763 02 Zlín, Czech Republic
IČO: 46900080 DIČ/VAT: CZ46900080



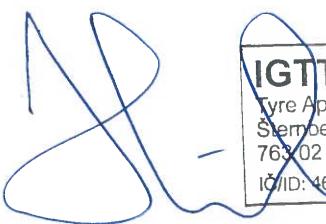
DISPOSITION ON TYRE - TOP HALF OF THE MOUND
(VIEW L)

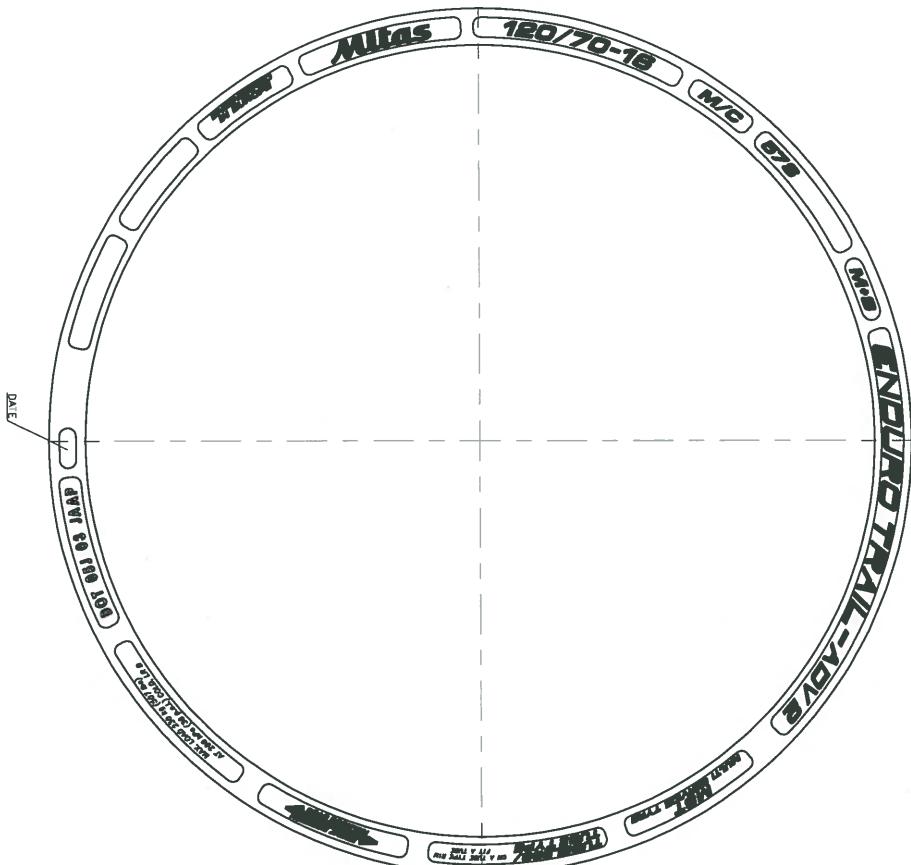


CROSS SECTION OF MOUNTED TIRE

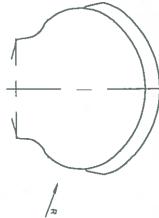


OVERALL (open) MITAS ET-ADV 2 PATTERN





DISPOSITION ON TYRE - BOTTOM HALF OF THE MIDDLE
(VIEW R)



IGT a.s.
Tyre Approval Department
Štemberská 446, Louky
763 02 Zlín, Czech Republic
IČ/ID: 46900080 DIČ/VAT: CZ46900080

RMTL	REISE MITAS Tires LLP	Format No.	RMTL/QR/7.8/01
	(Testing Laboratory)	Issue No.	01
	Plot No. 521. Saykha Industrial Estate , Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140	Issue Date	05-01-2023
DOCUMENT NO		Amend. No.	01
RMTL /QR/01/2023		Amend. Date	10.07.2024

TEST REPORT

GENERAL DETAILS

Test Report No.	RMTL/RN/2025/RM25-193
Group:	Rubber & Rubber Product
Discipline :	Mechanical
Date of Issue	25-04-2025
Name of customer	Monika Macháčová
Address of customer	Research, Development & Quality Director, Mitas Motocycle Tires, Kranj, Slovenija
Contact details of customer Email ID	Monika.Machacova@mitas-tires.com
Customer Letter Ref No. / Email with date	MM25031
Date of Receipt of sample	21-03-2025
Other information like witness/ Third party /customer identification	70001454 V2_A
Date of test performed on	21-03-2025 to 12-04-2025
sample Description	TWO WHEELER TYRE
Sample Description	120/70-16 M/C 57S Mitas ENDURO TRAIL-ADV 2 TL/TT
Condition of sample	LOOSE
Quality of sample received	GOOD
No of tyre received	6
Test sample manufactured by	REISE MITAS Tires LLP
Location of the manufacturing plant	521, Saykha Industrial Estate, Near Village Juned, Taluka Vagra, Dist-Bharuch. Gujarat. Pin -392140 INDIA

VPD
25/4/2025

PRAKASH D RAO V
TECHNICAL MANAGER

Reviewed By

MECHANICAL LABORATORY

Did 25/4/2025
VIDYADHARA MULIBAIL
QUALITY MANAGER

Authorized Signatory

Disclaimer:

1. Samples drawn and submitted by customer
2. The results reported only pertain to the sample submitted by the customer
3. This report shall not be reproduced except in full , without written approval of the laboratory
4. Samples tested as per standards mentions by the laboratory
5. Statement of Conformity is as per applicable test methods used

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RMTL	REISE MITAS Tires LLP	Format No.	RMTL/QR/7.8/01
	(Testing Laboratory)	Issue No.	01
	Plot No. 521. Saykha Industrial Estate , Near Village Juned, Taluka Vagra Dist. Bharuch Gujarat (I) -392140	Issue Date	05-01-2023
DOCUMENT NO		Amend. No.	01
RMTL /QR/01/2023		Amend. Date	10.07.2024

Test Report No : RMTL/RN/2025/RM25-193

Date of Issue: 25-04-2025

1 Details of tyres, Submitted/declared by the supplier

Test standard ECE R-75 (Cl.4)

1.1	Tyre size designation	120/70-16 M/C
1.2	Tyre Trade name and mark	Mitas ENDURO TRAIL ADV2
1.3	The category of use (normal, special, snow or moped)	Normal
1.4	Structure: diagonal (bias ply), bias belted or radial	Bias ply
1.5	Speed category	S/180 kmph
1.6	Load capacity Index of the tyre/Maximum load carrying capacity (kg)	57/230
1.7	Whether the tyre is to be used with or without an inner tube	Tubeless/Tubetype
1.8	Whether the tyre is "normal" or "reinforced"	Normal
1.9	The ply-rating number of tyres for motor cycle derivatives	Not applicable
1.10	Overall width (mm)	117-134
1.11	Overall diameter (mm)	569-586
1.12	Rim on which tyres can be mounted	MT3.50X16",MT3.75X16",MT3.00X16"
1.13	Measuring rim and test rim,	MT3.50X16"
1.14	a.Inflation pressure corresponding to maximum load carrying capacity (kPa)	260
	b.Test and measurement pressure (kPa)	225 and 300
1.15	The factor X referred to in paragraph 2.19	0.70
1.16	For tyres identified by means of letter code "V" within the size designation and suitable for speeds over 240 km/h or for tyres identified by means of letter code "Z" within the size designation and suitable for speeds over 270 km/h, the maximum speed permitted by the tyre manufacturer and the load carrying capacity allowed for that maximum speed.	NA

VP
25/4/2025

PRAKASH D RAO V
TECHNICAL MANAGER

Reviewed By

2 OF 5

VIDYADHARA MULIBAIL
QUALITY MANAGER

Authorized Signatory

REISE MITAS Tires LLP

(Testing Laboratory)

Plot No. 521. Saykha Industrial Estate, Near Village Juned, Taluka Vagra Dist. Bharuch
Gujarat (I) -392140

TC-14093

RMTL

TEST REPORT

DOCUMENT NO

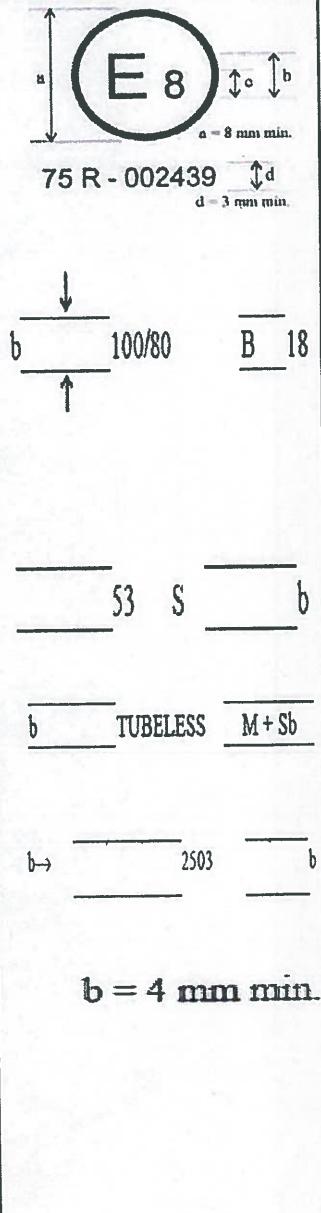
RMTL /QR/01/2023

ULR No. : TC1409325000000021F

Test Report No. : RMTL/RN/2025/RM25-193

Date of Issue: 25-04-2025

2		Marking			
Test standard		ECE R-75 (Cl. No-3)			
Sample ID :		RM25-193-01			
S.No	Specific tests performed	Unit of measurement	Min Req.	Observed value	Remark
2.1	Diameter of circle	mm	8	11	-
2.2	Height of letter E	mm	4	6	-
2.3	Height of number	mm	3	5	-
2.4	Height of text 75R....	mm	3	4	-
2.5	Size designation	mm	4	8	-
2.6	Structure (diagonal/bias belted/radial)	Visual	Shall be marked	"_"	-
2.7	Trade name	Visual	Shall be marked	Mitas ENDURO TRAIL ADV2	-
2.8	Speed category	mm	4	6	-
2.9	Load capacity	mm	4	6	-
2.10	Ply rating	Visual	Shall be marked	-	-
2.11	Tubeless/Tubetype	mm	4	4	-
2.12	REINFORCED or REINF	Visual	Shall be marked	-	-
2.13	M+S or M.S or MaS	Visual	Shall be marked	-	-
2.14	MST	Visual	Shall be marked	-	-
2.15	Date of production (wwyy)	mm	4	5	-
2.16	M/C	mm	4	6	-
2.17	MOPED or CYCLOMOTEUR	Visual	Shall be marked	-	-
2.18	(W) for SS>270km/h	Visual	Shall be marked	-	-
2.19	Running rotation	Visual	Shall be marked	Available	-
2.20	Visible defects or damages	Visual	Shall be marked	No	-
2.21	QC check mark	Visual	Shall be marked	Available	-
2.22	Manuf.name or country	Visual	Shall be marked	MADE IN INDIA	-
2.23	TWI markings	Nos.	Shall be marked	Available(6 nos)	-
2.24	DP	Visual	Shall be marked	-	-
2.25	NHS	Visual	Shall be marked	-	-



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25/4/2025

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Gujarat (I) -392140

TC-14093

DOCUMENT NO

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TEST REPORT

ULR No. : TC1409325000000021F

Test Report No : RMTL/RN/2025/RM25-193

Date of Issue: 25-04-2025

3 Tyre Dimensions

Sample ID : RM25-193-01

Test standard ECE R-75 (Cl No-6)

S.No	Specific tests performed	Unit of measurement	Standard Specification requirement	Observed Values	Remark
3.1	Rim Size	Inch	MT3.50X16"	MT3.50X16"	-
3.2	Infaltion pressure	kPa	225	225	-
3.3	Conditioning temperature	Degree	20-30	26.4	-
3.4	Conditioning Duration	hr	24	24	-
3.5	Maximum overall width of tyre	mm	117-134	119.87	-
3.6	Overall diameter	mm	569-586	569.8	-

U.pressure:±0.38%,U.OD:±0.31%,U.Width:±0.13%

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

4 Load / speed performance test

Test standard ECE R-75(Cl. No-6.2)

Sample ID : RM25-193-02

4.1	Test condition:							
	Smooth wheel diameter(m) : 1.7							
	Condition duration(hr) : Min 3							
	Condition temperature (°C): 20-30							
	Test room temperature(°C) : 20-30							
	Test Inflation pressure(kPa) :300							
	Test load (kg) : 150							
	Test Rim : MT3.50X16"							
	Step	Speed (km/hr)	Durations (minutes)	Room temp. (°C)				
	1	0-140	0-20	30		After undergoing the test , a tyre shall not exhibit any tread, ply cord separation , chunking or broken cord	No tread separation, ply cord separation , chunking or broken cords observed	-
	2	140	10	30				
	3	150	10	30				
	4	160	10	30				
	5	170	10	30				
4.2	Initial Diameter				mm	569-586	570.4	-
	Final Diameter when measured at least six hours after test					569-586	574.86	-
4.3	% Change in outer diameter of tyre,Measured after 6 hours				%	Max ±3.5	0.8	-
	Initial overall width					117-134	119.8	-
	Overall width at the end of test				mm	117-134	120.5	-

U.pressure:±0.38%,U.OD:±0.31%,U.Width:±0.13%

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

VR Rao
25/4/2025PRAKASH D RAO V
TECHNICAL MANAGER

Reviewed By

4 OF 5

Diksho 25/4/2025
VIDYADHARA MULIBAIL
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Authorized Signatory

REISE MITAS Tires LLP

(Testing Laboratory)

Plot No. 521. Saykha Industrial Estate, Near Village Juned, Taluka Vagra Dist.
Bharuch Gujarat (I) -392140

TC-14093

RMTL

TEST REPORT

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ULR No. : TC1409325000000021F

Test Report No : RMTL/RN/2025/RM25-193

Date of Issue: 25-04-2025

5 Dynamic Growth of the tyre:

Test standard ECE R-75 (Cl No:-6.3)

Sample ID : RM25-193-02

S.No	Specific tests performed	Unit of measurement	Standard Specification requirement	Observed Values	Remark
Test condition:					
Test inflation pressure : 250 kPa					
Speed category symbol - S					
Maximum Speed - 180 kmph					
Rim Diameter(D) -16 inch					
Calculation of Overall width :-					
$S = S1 + K(A-A1)$					
Nominal Section Width(S1)-120 mm					
Factor X = 0.70					
$A1=S1*Factor X=120*0.70=84 \text{ mm}$					
$S=120+0.4 (88.9 - 84) =121.96 \text{ mm}$					
Tyre section-width specifications-					
1. For normal and snow service:					
(a) rim diameter code 13 and above: +10 per cent					
(b) rim diameter codes up to 12 inclusive: +8 per cent					
2. For special service tyres which are suitable for limited road use and are marked MST: 25 per cent.					
$S_{min}=S - (S * 4\%) = 121.96 - (121.96*0.04) = 117.08 \text{ (Nearest to 117 mm)}$					
$S_{max}=S + (S * 10\%) = 121.96 + (121.96*0.1)=134.15 \text{ (Nearest to 134 mm)}$					
Overall width Specification - 117 to 134 mm					
Calculation of centrifugal Radius :-					
Nominal sectional height (H) =Nominal sectional width*Aspect ratio =>120*70% => 84 mm					
$H_{dyn} = H * 1.10 =>84*1.10 => 92.4 \text{ mm}$					
Centrifugal radius = $H_{dyn} + D / 2 =>92.4 + (16*25.4) / 2 => 295.6 \text{ mm}$					
5.2	Maximum overall width (SG) at test speed	mm	Maximum Centrifugal radius	Centrifugal radius at Test Speed	

U.speed:± 0.32%, U.pressure:± 0.38%, U.OD:± 0.31%, U.Width:± 0.13%

U: Expanded uncertainty = multiplying the combined standard uncertainty by a coverage factor k=2, what for normal distribution have a level of confidence of 95%

Conclusion The above subject, size:-120/70-16 M/C 57S Mitas ENDURO TRAIL-ADV 2 TL/TT tests carried out as per ECE R75.

V.P.Rao
25/4/2025

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TECHNICAL MANAGER

Reviewed By

5 OF 5

25/4/2025
VIDYADHARA MULIBAIL
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