



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

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



Zlín 15th September 2023

E8*75R00/19*1550*00

Trelleborg Wheel Systems Moto 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:

150/70B18 MITAS ENDURO TRAIL XT+ DAKAR 70T

with the approval number : E8 75R - 001550
date of inspection : 15th September 2023
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 – 001550

4.1.1. Tyre size designation:	150/70B18
4.1.2. Manufacturers name, tyre name:	MITAS, ENDURO TRAIL XT+ DAKAR
4.1.3. The category of use:	SNOW
4.1.4. Structure (diagonal, bias belted, radial):	BIAS BELTED
4.1.5. The speed category:	T
4.1.6. The load-capacity index of the tyre:	70
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 + 3 ARAMID SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 165.3 mm Overall diameter: 683.0 mm
4.1.11. The rims on which the tyre can be mounted:	3.50-18, 3.75-18, 4.00-18, 4.25-18, 4.50-18
4.1.12. The measuring rim and test rim:	4.50-18
4.1.13. The test and measurement pressure	Test pressure: 350 kPa Measuring pressure: 280 kPa
4.1.14. Factor x	/
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	190 km/h

Manufacturer's name and address:

Tyre Manufacturer (1)

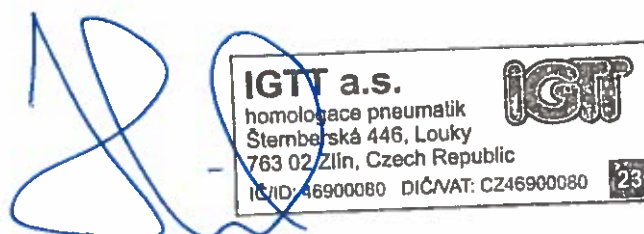
SYAM Trelleborg Tires LLP
Plot No. 521, Sayakha Industrial Estate,
Near Village Juned, Taluka Vagra,
Dist. Bharuch, Gujarat, Pin-392140.

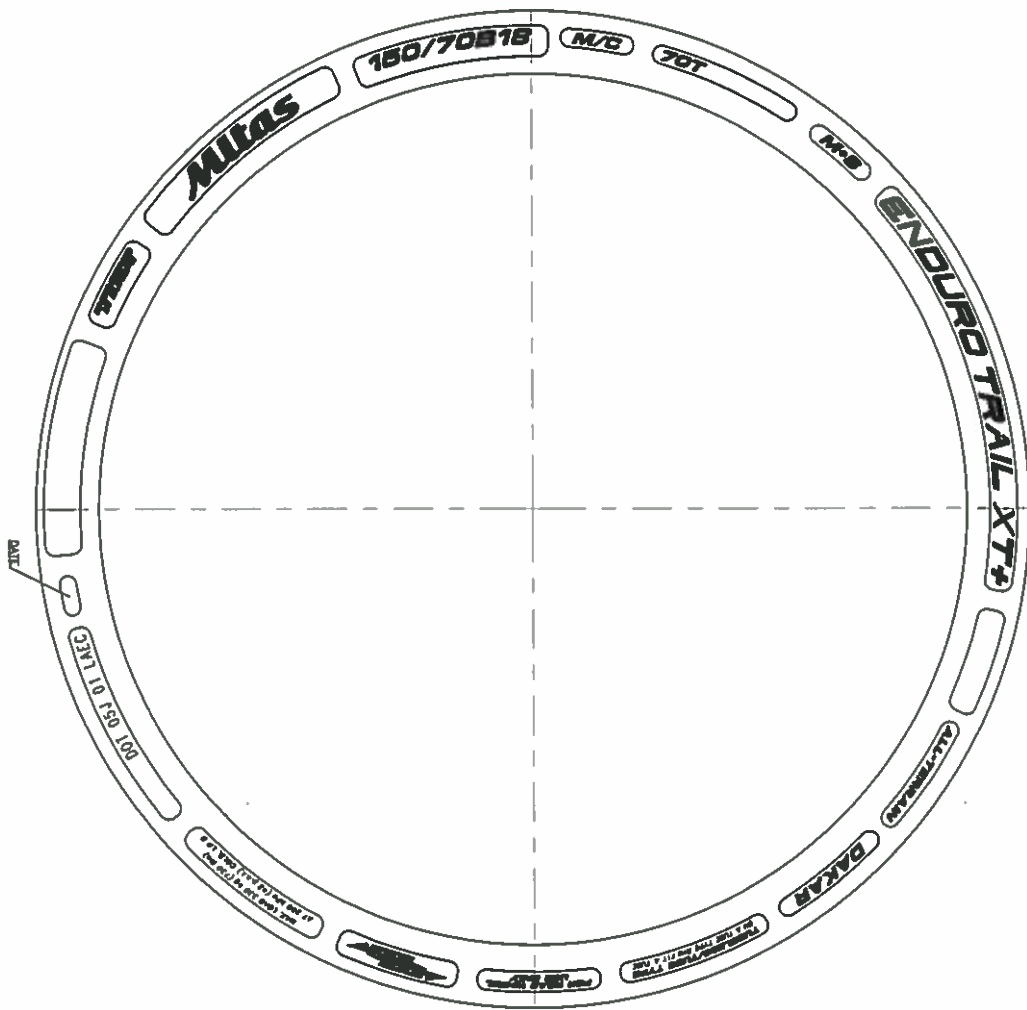
Tyre Manufacturer (2)

Trelleborg Wheel Systems Czech Republic a.s.
Výrobní usek Zlín, Šedesátá č.p. 5638
762 02 Zlín, CZECH REPUBLIC

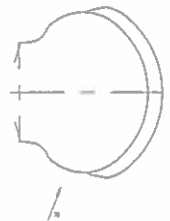
Tyre Manufacturer (3)

Trelleborg Wheel Systems Moto d.o.o.
Škofjeloška cesta 6,
4000 Kranj, Slovenia



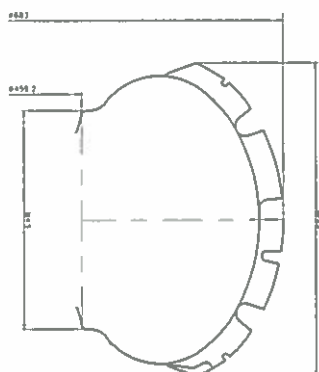


POSITION ON TIRE - CENTER HALF OF THE MOULD
(see 3)

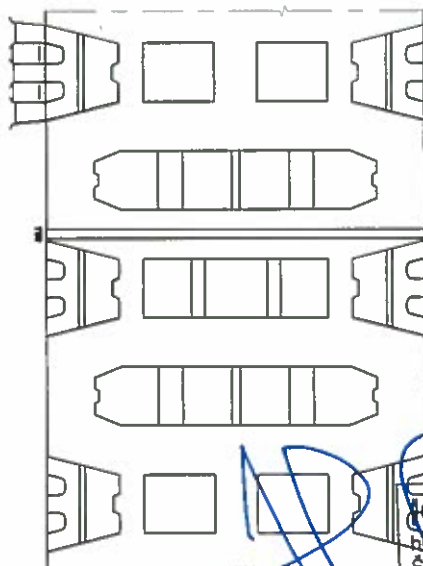


IGTT a.s.	
homologace pneumatik	
Šternberská 446, Louky	
763 02 Zlín, Czech Republic	
IČ/DI: 46900080 DIČ/VAT: CZ46900080	
23	

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CROSS SECTION OF MOUNTAIN



ORIGINAL (upper) series (red) 7/19/2000

[illegible]

IGTT a.s.

homologace pneumatik
Šternberská 446, Louky
763 02 Zlín, Czech Republic

IC/ID: 46900080 DIČ/VAT: CZ46900080



**TRELLEBORG TEST REPORT No. 2023 - 2136**

TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: DLI/23042
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 04B/2023/DLI
 4000 Kranj Project No.: 70001028
 Slovenia Application date: 14.04.2023
 Responsible: Mr. Lončarič Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001028 (224172)

2. Tested sample: Tyre Sort: M Ident. No.: 55427
 Dimension 150/70B18 Name: Mitas Enduro Trail XT+ Dakar
 Designation 1. V2 Product: TWS India Approval -
 LI: 70 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 8,58 kg Measuring rim 4.25x18 DOT: - DOP: 1023

3. Test: Measurement of tyre dimensions
 Method: MZR-M-003 accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: MT4,50x18 H2 Inflation: 280 kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Overall diameter: 683 mm
 Overall width: 165,3 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75
 Udiam: 0,6 mm Uwidth: 0,6 mm;
 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%

7. Appendix: 1. Measurement of tyre dimensions

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the Testing Laboratory. The results apply to the sample as received.

Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D



Sample No 55427 Tyre size: 150/70B18 Mitas Enduro Tra Method: MZR-M-003

Date of measurement	Tyre		Tyre width at six points on circumference						Overall tyre	
	inflation	cicumf.	1	2	3	4	5	6	width	diameter
	kPa	mm	mm	mm	mm	mm	mm	mm	mm	mm
22.04.2023	280	2 144	165,3	164,5	164,8	164,7	165	165,2	165,3	683

**TRELLEBORG TEST REPORT No. 2023 - 2134**

TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: DLI/23042
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 04B/2023/DLI
 4000 Kranj Project No.: 70001028
 Slovenia Application date: 14.04.2023
 Responsible: Mr. Lončarič Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001028 (224172)

2. Tested sample: Tyre Sort: M Ident. No.: 55427
 Dimension 150/70B18 Name: Mitas Enduro Trail XT+ Dakar
 Designation 1, V2 Product: TWS India Approval -
 LI: 70 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 8.58 kg Measuring rim 4.25x18 DOT: - DOP: 1023

3. Test: Sidewall lettering inspection
 Method: KPB-M-003 accredited

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: MT4,50x18 H2 Inflation: kPa
 Load: daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

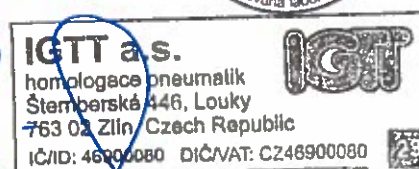
5. Results: See appendix of protocol: 23-2134
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75 and other standards
 -
 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%

7. Appendix: 1. Tyre lettering inspection

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the Testing Laboratory. The results apply to the sample as received.

Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D.



Sample No.: 55427 Size: 150/70B18 Mitas Enduro Trail XT+ D Method: KPB-M-003

Date: 21.04.2023

Dimension of approval mark:

diameter of circle: 0 mm

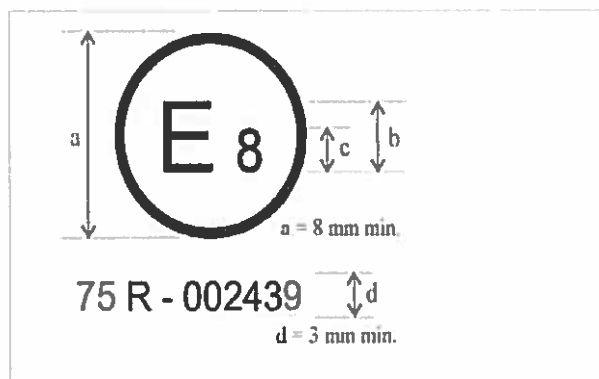
height of letter E: 0 mm

height of number: 0 mm

height of text 75R....: 0 mm

Sidewall lettering:

b >= 4 mm (min): 5 mm



b TUBELESS M + S

Measured where (text): Tubeless

Size designation (text): Yes

Structure (diagonal/bias belted/radial): -

Trade name (mark): Yes

Speed category (mark): Yes

Load capacity (mark): Yes

Ply rating (mark): No

TUBELESS (text): Yes

REINFORCED or REINF (text): No

M+S or M.S or MaS (mark): Yes

MST (mark): Yes

Date of production (wwyy): Yes

M/C (mark): Yes

MOPED or CYCLOMOTEUR (text): -

(W) for SS>270km/h: No

Running rotation (mark): Yes

Visible defects or damages: No

QC check mark (stamp): No

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No



TRELLEBORG TEST REPORT No. 2023 - 2139



TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: DLI/23042
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 04B/2023/DLI
 4000 Kranj Project No.: 70001028
 Slovenia Application date: 14.04.2023
 Responsible: Mr. Lončarič Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation), Code: 70001028 (224172)

2. Tested sample: Tyre Sort: M Ident. No.: 55428
 Dimension 150/70B18 Name: Mitas Enduro Trail XT+ Dakar
 Designation 2. V2 Product: TWS India Approval -
 LI: 70 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 8.62 kg Measuring rim 4.25x18 DOT: - DOP: 0823

3. Test: Speed test
 Method: RZ-M-003 accredited

4. Test condition: Testing machine: H2L Drum: 2000 mm Ambient temperature: 38±3°C
 Testing rim: 4.00x18 H2 Inflation: 350 kPa capped
 Load: 214 daN Drum speed: km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Without failure.
 Difference of tyre circumference at start and at end of test: 0,1 %
 Undergo cycles: 67 144 Undergo track: 143 km

6. Evaluation: Criterion no defects and circumf.difference before and 6h after test max. ±3.5%
 -
 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%

7. Appendix: 1. Drum tyre test record

8. Warning: Test results are concerning this sample only. It is strongly prohibited to copy any part of this report without permission of the Testing Laboratory. The results apply to the sample as received.

Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D



Sample No.: 55428		Dimension: 150/70B18		Mitas Enduro Trail				Test: RZ-M-003					
ID No.	Test stage	Date time dd.mm.yyyy hh:mm:ss	Step duration hh:mm:ss	Test duration hh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	21.04.2023 16:41:21	000:00:00	000:00:00			350			35,9			685
2	Cont	21.04.2023 17:02:11	000:20:00	000:20:00	80,1	215		334		36,1	27	12 582	8
3	Cont	21.04.2023 17:12:13	000:10:00	000:30:00	160,0	215		337		36,3	53	25 133	6
4	Cont	21.04.2023 17:22:15	000:10:00	000:40:00	170,0	215		337		36,4	81	38 391	5
5	Cont	21.04.2023 17:32:17	000:10:00	000:50:00	180,1	215		338		36,5	111	52 396	4
6	Cont	21.04.2023 17:42:19	000:10:00	001:00:00	190,0	215		339		36,5	143	67 144	4
7	Int M	21.04.2023 17:47:41	000:05:22	001:00:00						36,3			
8	Int O	22.04.2023 6:52:56	013:05:14	001:00:00			341			36,3			686
9	End	22.04.2023 6:52:58	000:00:03	001:00:00						36,3			

Tyre width immediately after end of test(mm): 160,5 - 160,7 - 160,8 - 160,6 - 161,0 - 160,6

Change of tyre circumference before test and 6h after test (%): 0,14

**TRELLEBORG TEST REPORT No. 2023 - 2140**

TTC Zlin, Šternberská 446, Louky, 763 02 Zlin

Testing Laboratory No.1253, accredited by Czech Accreditation Institute according ČSN EN ISO/IEC 17025:2018

1. Customer: Trelleborg Wheel Systems Moto, d.o. Requirement No.: DLI/23042
 Škofjeloška cesta 6 Dept.: Moto Kran Task: 04B/2023/DLI
 4000 Kranj Project No.: 70001028
 Slovenia Application date: 14.04.2023
 Responsible: Mr. Lončarič Report issue date: 26.04.2023
 Test motive: Prototype tyres V2 (ECE homologation). Code: 70001028 (224172)

2. Tested sample: Tyre Sort: M Ident. No.: 55428
 Dimension 150/70B18 Name: Mitas Enduro Trail XT+ Dakar
 Designation 2. V2 Product: TWS India Approval -
 LI: 70 SS: T IP: 290 kPa PR LR: B Type TL/TT M+S M
 Weight: 8.62 kg Measuring rim 4,25x18 DOT: - DOP: 0823

3. Test: Dynamic growth test
 Method: MDN-M-003 accredited

4. Test condition: Testing machine: DN Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 4.00x18 H2 Inflation: 290 kPa capped
 Load: daN Drum speed: 190 km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 346,6 mm
 Overall width of tyre at max. speed: 151,0 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion profil doesn't exceed limit curve
 U = 0,5 mm

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%

7. Appendix: 1. Tyre profile record : S1-Test limit. S2-10 km/h. S3-190 km/h

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Approved by: Laboratory quality manager Ing. Petr Husták, Ph.D



Sample No.: 55428

Dimension:

150/70B18

Mitas Enduro Trail

Test:

MDN-M-003

tyre
radius

mm

Measurement of tyre profile

S1

S2

S3

S4

