



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 17th May 2024

E8*75R00/20*1610*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:

140/80-19 MITAS FLAT TRACK STREET 71H

with the approval number : **E8 75R - 001610**

date of inspection : **17th May 2024**

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 – 001610

4.1.1. Tyre size designation:	140/80-19
4.1.2. Manufacturers name, tyre name:	MITAS, FLAT TRACK, STREET
4.1.3. The category of use:	SPECIAL
4.1.4. Structure (diagonal, bias belted, radial):	DIAGONAL
4.1.5. The speed category:	71
4.1.6. The load-capacity index of the tyre:	H
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 + 2 POLYAMIDE SIDEWALL: 2 POLYESTER
4.1.10. The overall dimensions overall section width: overall diameter:	Overall section width: 142.6 mm Overall diameter: 717.0 mm
4.1.11. The rims on which the tyre can be mounted:	2.75x19, 3.00x19, 3.50x19, 3.75x19
4.1.12. The measuring rim and test rim:	3.50x19
4.1.13. The test and measurement pressure	Test pressure: 350 kPa Measuring pressure: 280 kPa
4.1.14. Factor x	0.6
4.1.15. Max allowed speed for load-capacity defined in 4.1.6.	210 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.

Tyre Manufacturer (3)

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

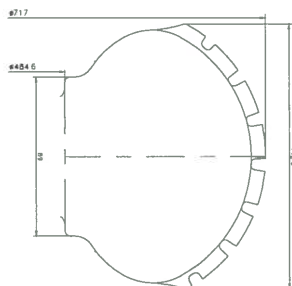


IGTT a.s.

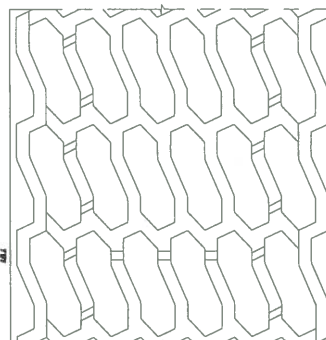
Tyre Approval Department
Šternberská 446, Louky
763 02 Zlín, Czech Republic

IČ/ID: 46900080 DIČ/VAT: CZ46900080

IGTT



CROSS SECTION OF MOUNTED TIRE



OVERALL (open) MITAS FLAT TRACK STREET PATTERN

[illegible]

IGT

IČ/ID: 46900080 DIČ/VAT: CZ46900080

TEST REPORT No. 2024 - 1601

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

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

1. Customer: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Requirement No.: MM/24146
 Dept.: Moto Kranj Task:
 Project No.: 70001059
 Application date: 18.03.2024
 Report issue date: 28.03.2024
 Test motive: Testing of V2 spec. (ECE homologation), Code: 70001059 (223440)

2. Tested sample: Tyre
 Sort: M Ident. No.: 58222
 Dimension 140/80-19 Name: Mitas Flat Track Street
 Designation V2, P Product: Yokohama TWS I Approval E8 75R 001610
 LI: 71 SS: H IP: 230 kPa PR LR: B Type TL/TT MST
 Weight: 8,16 kg Measuring rim 3,50x19 DOT: 05J DOP: XJDC

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

4. Test condition: Testing machine: - Drum: - mm Ambient temperature: 25±5°C
 Testing rim: 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 24-1601.

Undergo cycles: Undergo track: km

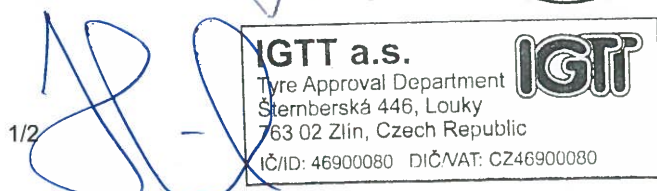
6. Evaluation: Criterion defined in ECE-R75 and other standards
 U = 0,5 mm

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 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. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.

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



Sample No.: 58222 Size: 140/80-19 Mitas Flat Track Street Method: KPB-M-003

Date: 28.03.2024

Dimension of approval mark:

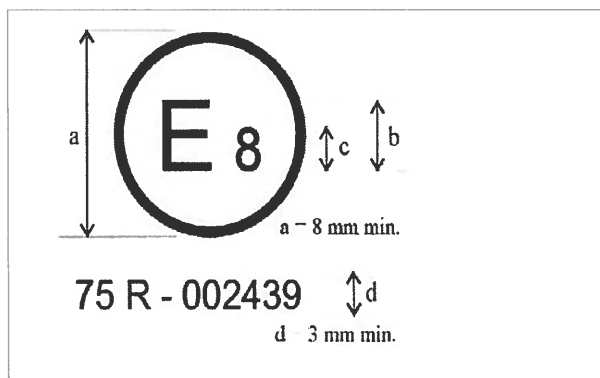
diameter of circle: 12 mm

height of letter E: 6 mm

height of number: 4 mm

height of text 75R....: 4 mm

Sidewall lettering:

b $\geq$ 4 mm (min): 3 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): No

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): Yes

Manuf.name or country of or Yes

TWI markings: Yes

DP (mark): No

NHS (mark): No

TEST REPORT No. 2024 - 1603

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

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

1. Customer: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Requirement No.: MM/24146
 Dept.: Moto Kranj Task:
 Project No.: 70001059
 Application date: 18.03.2024
 Report issue date: 02.04.2024
 Test motive: Testing of V2 spec. (ECE homologation), Code: 70001059 (223440)

2. Tested sample: Tyre
 Sort: M Ident. No.: 58222
 Dimension 140/80-19 Name: Mitas Flat Track Street
 Designation V2, P Product: Yokohama TWS I Approval E8 75R 001610
 LI: 71 SS: H IP: 230 kPa PR LR: B Type TL/TT MST
 Weight: 8,16 kg Measuring rim 3,50x19 DOT: 05J DOP: XJDC

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: MT3,50x19 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: 717 mm
 Overall width: 142,6 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion defined in ECE-R75
 Udiam = 1,5 mm; Uwidth = 1,0 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 the 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. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.



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

Sample No 58222 Tyre size: 140/80-19 Mitas Flat Track 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
29.03.2024	280	2 253	142,3	142,6	142,5	142,2	142,4	142,6	142,6	717

TEST REPORT No. 2024 - 1960

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

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

1. Customer:	Yokohama TWS Slovenia, d.o.o.	Requirement No.:	MM/24146
	Škofjeloška cesta 6	Dept.:	Moto Kran Task:
	4000 Kranj	Project No.:	70001059
	Slovenia	Application date:	18.03.2024
	Responsible: ing. Macháčová	Report issue date:	11.04.2024
Test motive: Testing of V2 spec. (ECE homologation), Code: 70001059 (223440)			

2. Tested sample:	Tyre	Sort:	M	Ident. No.:	58227						
	Dimension	140/80-19	Name:	Mitas Flat Track Street							
	Designation	V2, P	Product:	Yokohama TWS I	Approval	E8 75R 001610					
	LI:	71	SS:	H	IP:	230 kPa	PR	LR:	B	Type	TL/TT MST
	Weight:	8 kg	Measuring rim	3,50x19	DOT:	05J	DOP:	XJDC			

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

4. Test condition:	Testing machine:	H1L	Drum:	1700 mm	Ambient temperature:	38±3°C			
	Testing rim:	MT3,50x19 H2	Inflation:	350 kPa	capped				
	Load:	220 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: 0,9 %

Undergo cycles: 66 684 Undergo track: 152 km

6. Evaluation:	Criterion	no defects and circumf.difference before and 6h after test max. ±3,5%
	Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h;	
	Uload = 5% (40 - 500 daN), 1% (501 - 30000 daN)	
	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. All tests are performed in lab permanent facility. The laboratory is responsible for all the information provided in the report, except the "designation" which is provided by customer.

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



Sample No.: 58227		Dimension:		140/80-19		Mitas Flat Track St				Test:		RZ-M-003	
ID No.	Test stage	Date time dd.mm.yyyy hh:mm:ss	Step duration hh:mm:ss	Test duration hhh:mm:ss	Speed km/h	Load daN	Inflation kPa	Radius mm	Surface °C	Room °C	Distance km	Cycles	Diameter/ deflection mm
1	Start	10.04.2024 13:19:20	000:00:00	000:00:00			350			35,9			722
2	Cont	10.04.2024 13:40:03	000:20:00	000:20:00	84,9	219		350		36,1	28	12 736	10
3	Cont	10.04.2024 13:50:05	000:10:00	000:30:00	170,0	219		355		36,3	57	25 282	6
4	Cont	10.04.2024 14:00:07	000:10:00	000:40:00	180,0	219		356		36,5	87	38 465	5
5	Cont	10.04.2024 14:10:09	000:10:00	000:50:00	190,0	219		357		36,4	118	52 276	4
6	Cont	10.04.2024 14:20:12	000:10:00	001:00:00	200,0	219		358		36,3	152	66 684	3
7	Int:M	10.04.2024 14:24:11	000:03:59	001:00:00						36,3			
8	Int:O	11.04.2024 6:23:44	015:59:34	001:00:00			325			36,3			728
9	End	11.04.2024 6:23:50	000:00:06	001:00:00						36,3			

Tyre width immediately after end of test(mm): 144,2 - 144,6 - 144,4 - 144,1 - 144,5 - 144,3

Change of tyre circumference before test and 6h after test (%): 0,93

TEST REPORT No. 2024 - 2012

TTC Zlín, Šternberská 446, Louky, 763 02 Zlín

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

1. Customer: Yokohama TWS Slovenia, d.o.o.
 Škofjeloška cesta 6
 4000 Kranj
 Slovenia
 Responsible: ing. Macháčová
 Requirement No.: MM/24146
 Dept.: Moto Kranj Task:
 Project No.: 70001059
 Application date: 18.03.2024
 Report issue date: 18.04.2024
 Test motive: Testing of V2 spec. (ECE homologation), Code: 70001059 (223440)

2. Tested sample: Tyre
 Sort: M Ident. No.: 58227
 Dimension 140/80-19 Name: Mitas Flat Track Street
 Designation V2, P Product: Yokohama TWS I Approval E8 75R 001610
 LI: 71 SS: H IP: 230kPa PR LR: B Type TL/TT MST
 Weight: 8 kg Measuring rim 3,50x19 DOT: 05J DOP: XJDC

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: MT3,50x19 H2 Inflation: 290kPa capped
 Load: daN Drum speed: 210km/h Slip: 0° Camber: 0°
 Cycle min/max: Track min/max: km

5. Results: Max. centrifugal radius of tyre at max. speed: 369,9 mm
 Overall width of tyre at max. speed: 133,8 mm
 Undergo cycles: Undergo track: km

6. Evaluation: Criterion profil doesn't exceed limit curve
 Uinfl = 3 kPa; Utime +1 s; Uspeed = 2 km/h; Udist=0,7mm

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, S3-210 km/h

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



