

Test Report

No. 366-0006-16-WIRD

According to the agreement concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions.

Uniform provisions concerning the approval of wheels for passenger cars and their trailers

ECE-R 124 last amended on 30.01.2011

Approval status		
	Number of approval	Wheel part number
ECE	(E1)-124 R - 001064	R1-1638

Hersteller / *Manufacturer*
 Typ / *Type*

MW Aftermarket Srl
 14604098-6

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0. General Information

0.1 Make (trade name of manufacturer) MW Aftermarket Srl

0.2 Wheel part No.	Version	0.3 Category of replacement wheels			0.6 Rim contour identification	0.7 Offset of the wheels (mm)	0.9 Max. load capacity and respective theoretical rolling circumference	
		Ident	replica	pattern part			(kg)	(mm)
R1-1638	R1-1638		X		6 J X 14 H2	40	470	1818

0.4 Construction material steel

0.5 Method of production cold forming process (for details see technical description)

0.8 Wheel attachment The wheel fastening elements provided by the vehicle manufacturer for steel wheels are used. The tightening torque is to refer to the operating instructions of the vehicle.

0.10 Manufacturer's name and address MW Aftermarket Srl

0.11 If applicable, name and address of Manufacturer's representative Via Pavia 72
10098 Rivoli (TO)
non applicable

Hersteller / Manufacturer
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1 Testobject

1.1 Overview

Version	Version name		PCD (mm)	Centering hole (mm)	Off set (mm)	Permissible wheel load (kg)	Permissible rolling circumference (mm)	Valid from Production date
	Marking wheel	Marking Centering						
R1-1638	R1-1638	Without	98/4	58	40	470	1818	47/14

1.2 Wheel marking

Version. /	outside /	inside /
R1-1638	X	-

1.2.1 Mandatory markings

Manufacturer name or trade mark <i>Wheel part No.</i>	Wheel or rim contour designation	Wheel offset	Date of manufacture	version marking	Approval mark	Additional marking
MW	6 J X 14 H2	40	47.14	R1-1638	(E1) 124R- 001064	MW-RO

1.2.2 Additional marking MW-RO...MW ROMANIA

1.3 Remarks None

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2 **Test**

2.1 **Test Conditions**

2.1.1 Equipment for measuring and testing The equipment, on which the tests were carried out, fulfilled the requirements of the regulation.

2.1.2 Testplan

	Steel disk wheel		
Version.	Identical wheel	Replica replacement wheel	Pattern part replacement wheel
R1-1638		X	

kind of test			
Version.	Rotating bending test according to annex 6	Rolling test according to annex 7	Vehicle fitment test according to annex 10 section 2
R1-1638	OK	OK	OK

General requirements	<ol style="list-style-type: none"> 1. The rim contour substantially corresponds to the E.T.R.T.O. / JATMA 2. The rim contour ensures the correct installation of tires and valves. 3. The wheels are only to be used tubeless, the air tightness is ensured. 4. The materials used for the manufacturing of the wheel have been analyzed and are listed in the description of the manufacturer: Chemical analysis Mechanical properties Analysis of metallurgical defects and structure of the samples
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2.1.3 Remarks None

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2.2 Details regarding the test conducted by the technical service

2.2.1 Corrosion test Not necessary

	2.2.2 Rotating bending test			test load Mbmax (Nm)	2.2.3 Rolling test			test load (kg)	wheel - load (kg)	rolling circumference (mm)	technical report TÜV Austria	date
	ok	Nok	Not requ.		ok	Nok	Not requ.					
R1-1638	X			2770	X			1058	470	1818	366-0006-16-WIRD-TB	14.01.2016

2.2.4 Impact test Not necessary

Alternating torque test Not necessary

2.2.5

2.2.6 Vehicle fitment checks and documentation (Appending 10, Paragraph "2. Additional Requirements")
 If the requirements and recommendations in the annex are fulfilled, then the wheels have sufficient distance from the brake and chassis parts, which has been checked by integrating the brake contours in the wheel drawing. The free movement of the tires is guaranteed for normal road traffic conditions since this wheel/ tire combination is approved by the vehicle manufacturer.

2.2.6.1 Wheel calliper check
 The contour of the calliper profile of the replacement wheel of the vehicle manufacturer was not available. Therefore, the check was carried out on the basis of the recorded rotational contours of the brake of all kind of vehicle designs. The defined criteria in 2.1 of the annex 10 of the regulation shall be complied with.

2.2.6.2 Ventilation holes check
 The check of the ventilation holes shows that the sum of the ventilation area is greater than the most unfavorable standard wheel and thus no deterioration of the braking effect, can be expected.

2.2.6.3 Wheel mounting components
 Standard wheel mounting components of the vehicle manufacturer shall be used for steel wheels of the vehicle type. The requirements stated in point 2.3 of annex 10 are fulfilled.

Note:
 The tightening torque for the wheel mounting is to be observed. Use of a calibrated torque wrench is therefore recommended. After a driving distance of

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2.2.6.4	External projections	50 km the wheel mountings must be tightened with the required tightening torque.
2.2.7	General requirements	The requirements of the Regulation ECE R 26 6.7. are fulfilled.
2.2.8	Remarks	The measurements and tolerances of the rim contour according to E.T.R.T.O/ JATMA standard and the general requirements of the ECE regulation 124 shall be fulfilled.
		The material test according to annex 4 has been completed. We did not examine these specifications. All tests done correspond to ECE-regulation 124.
2.3	Evaluation of Documents provided by the manufacturer	
	Wheel drawings	The presented drawings comply with the in ECE regulation 124 described requirements
	Technical description	The presented technical descriptions comply with the in ECE regulation 124 described requirements
2.3.1	Information regarding use and attachment (description of application range)	The in annex 9 shown application range has been defined by the technical service TÜV AUSTRIA AUTOMOTIVE GMBH
		The requirements according to the provisions of annex 10 points 1.2 vehicle characteristics, 1.3 additional characteristics and 1.4 further information regarding mounting instruction are fulfilled.
2.3.2	Material testing according to Annex 4	The tests according to the provisions laid down in annex 4 have been conducted and documented by the manufacturer. The mandatory tests according to the regulation have been carried out.
2.3.3	Remarks	None

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2.4 **General information**

2.4.1 Place of testing

TÜV AUSTRIA AUTOMOTIVE GMBH
Deutschstraße 10, A-1230 Wien

2.4.2 Date of testing

The tests took place in the period of
26.10.2015-14.01.2016.

2.4.3 Remarks

For these wheels enclosed in this type already
an ABE approval is requested or available
(KBA444550*30).

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3 **Technical documentation**

see annex technical documentation

4 **Statement of conformity**

The type described in this test report and the appendices attached are in compliance with the Test Specification mentioned above.

The tests were carried out in accordance with the relevant requirements of EN ISO/IEC 17025:2005

The Test Report comprises pages 1 to 8.

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Wien, 14.01.2016

TÜV AUSTRIA AUTOMOTIVE GMBH

Designated by the designation body of the
Kraftfahrt-Bundesamt (KBA), Germany

under the number
KBA-P 00055-00



Cinibulk
Expert
Test laboratory DIN EN ISO/IEC
17025

Manufacturer /
Typ / Type

MW Aftermarket Srl
14604098-6

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List of modifications

Details of application of Date 14.01.2016

Correction of

Modification of

Addition of

Deletion of

**Prüfbericht 366-0006-16-WIRD
zur Erteilung der ECE (E1) 124R- 001064**

ANLAGE: Technische Unterlagen
Hersteller: MW Aftermarket Srl

Radtyp: 14604098-6
Stand: 14.01.2016



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The following documentation referring to the approval:

Description	Documentation	Date / extension / Date
1 - List of modifications	Annex 1 - new	14.01.2016
2 - Techn.documentation	this annex	14.01.2016
3 - Summary TBS	14604098-6-0	14.01.2016
4 - General description	TGD-ECE GA_04-00	07.09.2015
4 - Wheel description	RO/ECE 1677-01	07.09.2015
5 - Wheel drawing	R1-1638 ECE	23.10.2015
6 - Materials testing	RO/ECE 1860-01	07.09.2015
7 - Test report	366-0006-16-WIRD-TB	14.01.2016
8 - Assembly instructions	(E1) 124R 001064	07.09.2015
9 - Field of application	1 application	14.01.2016



Inhaltsangabe über
Techn. Beschreibung zu
Radtyp 14604098-6
Entsprechend ECE Regelung 124

Rapporto :
Report:

Data:
Date:

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1. Allgemeine Angaben

1.1	Nummer des Inhaltsverzeichnisses	14604098-6
1.2	Datum des Inhaltsverzeichnisses	14.01.2016
1.3	zuletzt geändert am	---
1.4	Radgröße (wheel size)	6 x 14"
1.5	Genehmigungsnummer (approval No.)	(E1)-124 R - 001064
1.6	Nummer des Prüfberichtes (No. of test report)	366-0006-16-WIRD
1.7	Datum des Prüfberichtes (date of test report)	14.01.2016

2. Radbeschreibungen

Ausführung/Artikel/Radnummer	Date of issue	Modified on	Modification
R1-1638	07.09.2015	---	Neuanlage



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QUALITY ASSURANCE

**DATI - CARATTERISTICHE
PROVE - DIMENSIONI**

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SVILUPPO DEL PRODOTTO
PRODUCT DEVELOPMENT

<i>REQUISITI REQUIREMENTS</i>	<i>MODALITA' DI EFFETTUAZIONE METHOD</i>
Vedere Manuale della Qualità <i>See Quality Handbook</i>	Secondo la Procedura 201 <i>See Procedure 201</i>

CAPITOLATO GENERALE DI FORNITURA RUOTE AUTO
GENERAL SUPPLY SPECIFICATIONS FOR CAR WHEELS

<i>REQUISITI REQUIREMENTS</i>	<i>MODALITA' DI EFFETTUAZIONE METHOD</i>
Vedere Manuale della Qualità <i>See Quality Handbook</i>	Secondo la Procedura 100 <i>See Procedure 100</i>

CAPITOLATO ACCETTAZIONE ARRIVI RUOTE AUTO
SPECIFICATIONS INCOMING CONTROLS AND TESTS ON CAR WHEELS

<i>REQUISITI REQUIREMENTS</i>	<i>MODALITA' DI EFFETTUAZIONE METHOD</i>
Vedere Manuale della Qualità <i>See Quality Handbook</i>	Secondo la Procedura 101 <i>See Procedure 101</i>



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QUALITY ASSURANCE**DATI - CARATTERISTICHE****PROVE - DIMENSIONI***DETAILS - FEATURES**TESTS - DIMENSIONS*Rapporto : RO-ECE
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Page:**RUOTA SOSTITUTIVA REPLICA**
REPLICA REPLACEMENT WHEEL

RUOTA:

WHEEL:

14"TIPO :
TYPE :**14604098-6****R1-1638**



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**DATI - CARATTERISTICHE
PROVE - DIMENSIONI**

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1/a) Dati tecnici generali
General technical data

Tipo di ruote <i>Kind of wheel</i>	<input type="checkbox"/> identical replacement wheel <input checked="" type="checkbox"/> replica replacement wheel <input type="checkbox"/> pattern part replacement wheel
Tipo di ruota <i>Wheel type</i>	Ruota a disco in acciaio <i>Steel disc wheel</i>
Dimensioni / misure ruota <i>Wheel dimension</i>	6 J x 14" H2
N° di disegno <i>Drawing number</i>	R1-1638
Tipo N° <i>Type N°</i>	14604098-6
Foro centrale <i>Central hole</i>	Ø 58,00 (+0,12 / +0,02)
Interasse fori attacco <i>Pitch circle diameter</i>	98
N° e diametro fori attacco <i>N° and fixing holes diameter</i>	N°4 - Ø 13,5 ±0,5
Spostamento <i>Offset</i>	40 ±1
Diametro foro valvola <i>Valve hole diameter</i>	Ø 11,5 ±0,15
Tipo di valvola utilizzato <i>Type of valve used</i>	Valvola in gomma norm. E.T.R.T.O. o T.P.M.S. <i>Type valve whit E.T.R.T.O. or T.P.M.S.</i>
Tipo di bullone o dado fissaggio ruota <i>Type of bolt or fixing wheel nut</i>	Originale in acciaio-attacco conico 60°(0°/1°) <i>Original in steel-fixing conical 60°(0°/1°)</i>
Qualità materiale del disco e spessore <i>Disc material quality and thickness</i>	DP 600 (Spec. MW 06) spes. 2,95 mm <i>DP 600 (Spec. MW 06) thick. 2,95 mm</i>
Qualità materiale del cerchio e spessore <i>Rim material quality and thickness</i>	FeP11 (spec. MW 01) spessore 2,15 mm <i>FeP11(spec.MW 01) thickness 2,15 mm</i>
Dimensioni pneumatico <i>Tyre dimension</i>	185/65 R14
Carico statico <i>Static load</i>	470Kg
Specifiche produttore automobilistico <i>Specifications automotive producer</i>	<input type="radio"/>
Specifiche TÜV <i>Specifications TÜV</i>	<input type="radio"/>
Specifiche in accordo con <i>Specifications according with</i>	<input checked="" type="radio"/> ECE REGULATION 124 last amended 30.01.2011



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1/b) Dati tecnici generali
General technical data

Marcature disco <i>Disc markings</i>	Conformi secondo disegno <i>According to drawing specifications</i>
Marcature cerchio <i>Rim markings</i>	Conformi secondo disegno <i>According to drawing specifications</i>
Colonnelle di fissaggio <i>Fixing stud bolts</i>	Utilizzati originali <i>Used original stud bolts</i>
Coppe ruota <i>Wheel cups</i>	Utilizzate coppe originali <i>Used original stud cups</i>
Peso ruota <i>Wheel weight</i>	6,370 Kg
Data di produzione <i>Date of production</i>	Vedere marcature Ruota (48.13/11.10.2013) <i>See wheel Marking (48.13/11.10.2013)</i>



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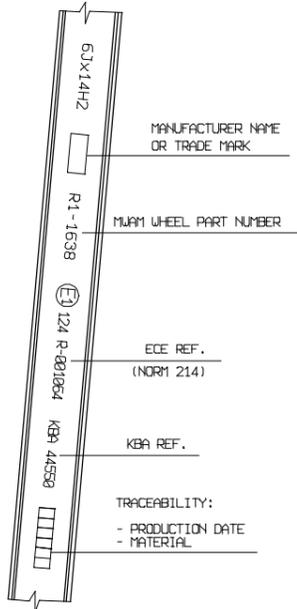
 Data: 07/09/2015
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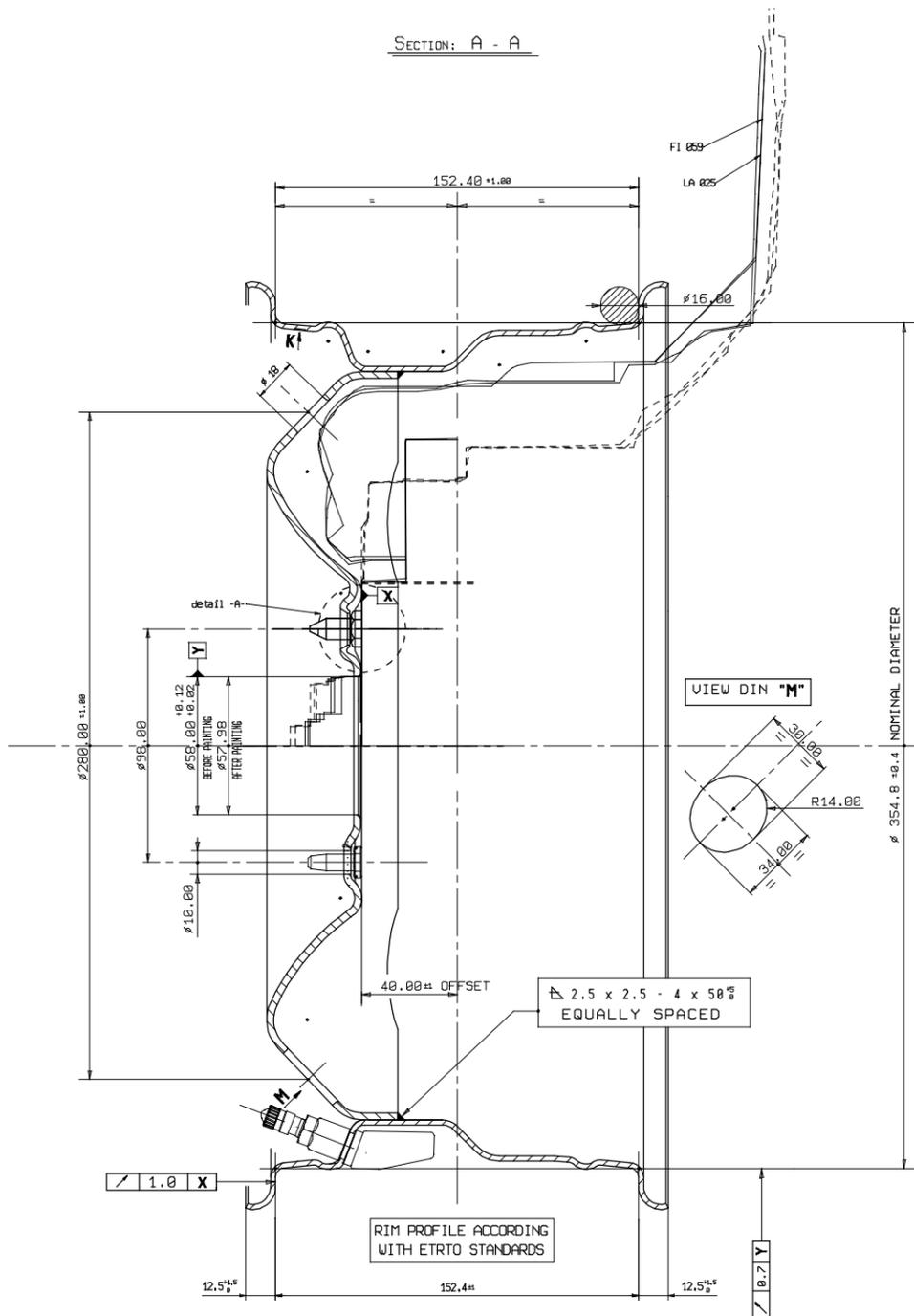
2) Controlli dimensionali
Dimensional control

	CARATTERISTICA CONTROLLATA <i>CHECKED FEATURES</i>	VALORI RICHIESTI <i>REQUESTED VALUES</i>	VALORI RICONTRATI <i>MEASURED VALUES</i>				
			1	2	3	4	5
1	Diametro nominale cerchio <i>Rim nominal diameter</i>	$\varnothing 354,8 \pm 0,4$	in tolleranza con apposito nastro di controllo (within tolerance to gauge control)				
2	Larghezza bordo esterno <i>Ext. Flange width</i>	12,5-14,0	13,2	13,4	13,4	13,3	13,1
3	Larghezza bordo interno <i>Int. Flange width</i>	12,5-14,0	13,4	13,4	13,3	13,2	13,4
4	Interasse fori attacco <i>Pitch circle diameter</i>	$\varnothing 98$	OK	OK	OK	OK	OK
5	Diametro foro centrale <i>Central hole diameter</i>	$\varnothing 58,00 (+0,12 / +0,02)$	58,09	58,07	58,06	58,06	58,07
6	N° e dimensioni fori di ventilazione <i>N° and dimentions ventilation holes</i>	N° 12 (34/30) and 4 ($\varnothing 18$)	Conforme al disegno <i>According to drawing</i>				
7	Spostamento <i>Offset</i>	40 ± 1	40,55	40,60	40,32	408,45	40,32
8	Larghezza cerchio <i>Rim width</i>	$152,4 \pm 1,0$	152,80	152,81	152,88	152,83	152,90
9	N° e diametro fori attacco <i>N° and fixing holes diameter</i>	N°4 - $\varnothing 13,5 \pm 0,5$	$\varnothing 13,65$	$\varnothing 13,67$	$\varnothing 13,62$	$\varnothing 13,58$	$\varnothing 13,58$
10	Diametro foro valvola <i>Valve hole diameter</i>	$\varnothing 11,5 \pm 0,15$	$\varnothing 11,53$	$\varnothing 11,55$	$\varnothing 11,56$	$\varnothing 11,58$	$\varnothing 11,54$
11	Eccentricità superiore <i>Upper radial run out</i>		0,59	0,54	0,58	0,52	0,56
12	Eccentricità inferiore <i>Lower radial run out</i>		0,58	0,55	0,59	0,54	0,59
13	Fuori piano superiore <i>Upper axial run out</i>		0,69	0,68	0,68	0,69	0,72
14	Fuori piano inferiore <i>Lower axial run out</i>		0,69	0,66	0,68	0,67	0,66
15	Marcature <i>Markings</i>	See drawing	Conforme al disegno <i>According to drawing</i>				
16	Conformità foro valvola <i>Conformity valve hole</i>	See particular valve hole on the drawing	Conforme al disegno <i>According to drawing</i>				

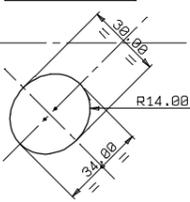
VIEW FROM "K"



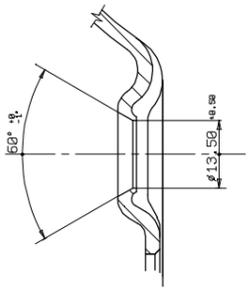
SECTION: A - A



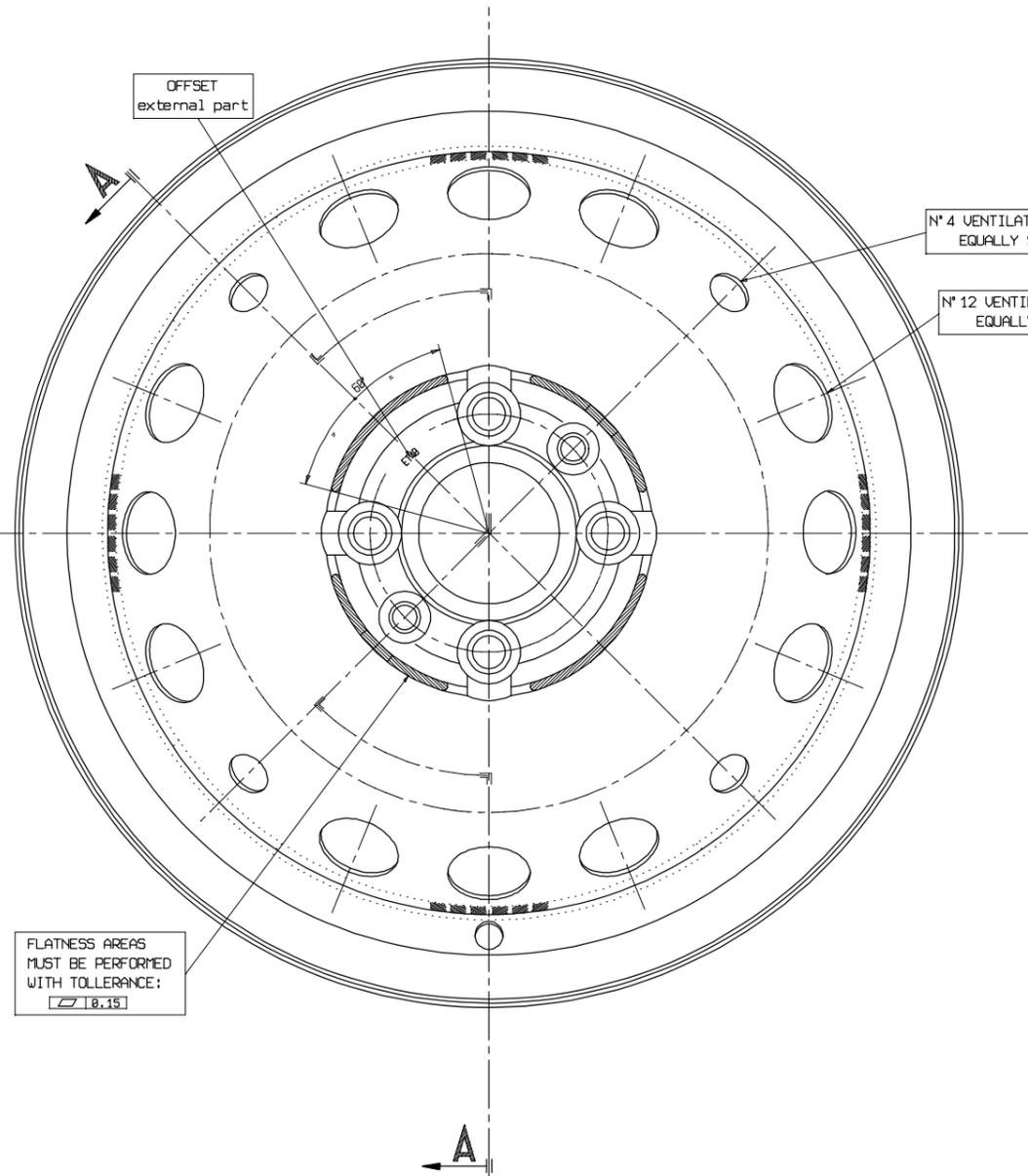
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DETAIL -A-
SCALE 2 : 1

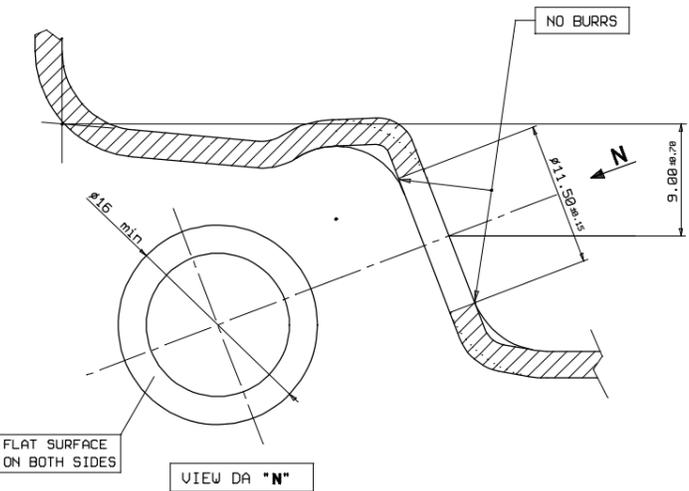


OFFSET external part



LE MARCATURE POSSONO ANCHE ESSERE ESEGUITE SUL DISCO
 MARKING CAN BE ALSO ADDED ON THE DISC.
 STAMPINGIATURA SENZA VINCOLO DI POSIZIONE
 MARKING WITHOUT FIXED PLACING

DETAIL VALVE HOLE AREA
SCALE 5 : 1



IST - Brennstoff	Fiat Musa
Vorder- und Hinterachse	Leistung: 70 kW
Datum	Typ: 350
Abwachen	ABE/EG: e3*2001/116*0153*..
Zeichn.	Jahr:2004
IST - Brennstoff	Fiat Musa
Vorder- und Hinterachse	Leistung: 70 kW
Datum	Typ: 350
Abwachen	ABE/EG: e3*2001/116*0153*..
Zeichn.	Jahr:2004
IST - Brennstoff	Lancia Y
Vorder- und Hinterachse	Leistung: 51 kW
Datum	Typ: 843
Abwachen	ABE/EG: e3*2001/116*0149*..
Zeichn.	Jahr:2003
IST - Brennstoff	Lancia Y
Vorder- und Hinterachse	Leistung: 51 kW
Datum	Typ: 843
Abwachen	ABE/EG: e3*2001/116*0149*..
Zeichn.	Jahr:2003
IST - Brennstoff	Fiat Idea
Vorder- und Hinterachse	Leistung: 70 kW
Datum	Typ: 350
Abwachen	ABE/EG: e3*2001/116*0153*..
Zeichn.	Jahr:2004
IST - Brennstoff	Fiat Idea
Vorder- und Hinterachse	Leistung: 70 kW
Datum	Typ: 350
Abwachen	ABE/EG: e3*2001/116*0153*..
Zeichn.	Jahr:2004

AVERAGE WHEEL WEIGHT
6.37 Kg

Prodotto con classifica di "sicurezza"
Sicherheitsstufe 1 / Safety part

SURFACE PROTECTION	
PHOSPHATING BLACK CATHAPHORESIS IN ACCORDANCE PR100	
TUJ AUSTRIA SPECIF.	
MAXIMUM AXLE LOAD	: Kg 940
TIRE	: 185/65 R14
ROLLING CIRCUMFERENCE	: mm 1820

2	1	DISC	D1-1638-714		
1	1	RIM 6 J x 14" H2	C1-0-574		
<table border="1"> <tr> <td> Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... </td> <td> Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... </td> </tr> </table>		Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... Questo prodotto con "CE" per una...	Questo prodotto con "CE" per una... Questo prodotto con "CE" per una... Questo prodotto con "CE" per una...	Distribuzione o copia senza autorizzazione... Distribuzione o copia senza autorizzazione... Distribuzione o copia senza autorizzazione...	
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MW WHEEL 6J x 14" H2 x 48 LANCIA 843		R1-1638 ECE 00			



MW Aftermarket

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QUALITY ASSURANCE

**DATI - CARATTERISTICHE
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MATERIALE UTILIZZATO PER IL DISCO
MATERIAL USED FOR THE DISC

DP 600 (Spec. MW 06) spes. 2,95 mm
DP 600 (Spec. MW 06) thick. 2,95 mm



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Data: 2013.10.31
Expert uzină
al producătorului S. Wurzenberger Tel.:+43/50304

Destinatar MW Romania S.A.

Str. Tudor Vladimirescu nr. 778
RO 245700 Dragasani, Jud. Valcea
Certificat Abnahmeprüfzeugnis 3.1 nach DIN EN 10 204
Șarjă: 847245
Nr. rulou: 885992
Coilgewicht nto/bto: 23.780 / 23.795 [kg]

Nr. certificat: W1197348

Furnizor: VOESTALPINE STAHL GMBH
Material: HOT ROLLED COILS

Calitate: DP600LCT-MW06,SPECIAL QUALITY
pt nr. foaie de livr 0008661

de la: 20131031

Valori mecanice:		Valoar	Unitate
Probenlage	Quer		
Probenlage			
Dehngrenze	Rp0,2	420,00000	N/mm ²
Zugfestigkeit	Rm	623,00000	N/mm ²
Bruchdehnung	A	25,90000	%

Compoziție chimică	
C	0,06900
Si	0,00800
Mn	1,27000
P	0,00900
S	0,00390
Cr	0,27000
Ni	0,01300
Al	0,05500
Cu	0,06800
N	0,00630

Herstellangaben (ohne Gev)

Nr. produs / nr. artic 1423000402
Nr. componente
Dimensiune comandă: 3,00 402,0 0,0
Nr. dvs. de comandă: 2734
Nr. apelare:
N. nostru de comandă: 1639 / 1 / 9
Greutate livrată: 23.115 [kg]
Altele:

COB 215V

Corepondența conform MWSS



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MATERIALE UTILIZZATO PER IL CERCHIO
MATERIAL USED FOR THE RIM

FeP11 (spec. MW 01) spessore 2,15 mm
FeP11(spec.MW 01) thickness 2,15 mm



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COPY OF METALLURGICAL CERTIFICATE

Metallurgical certificat No.: 211313158 Packing list No.: 211313158

EN 10204 - 3.1



C.L.N. Slovakia s.r.o.
Vstupný areál U.S.Steel
044 54 Košice
Slovakia

MW Romania S.A.
ST.TUDOR VLADIMIRESCU 778
245700 DRAGASANI
Romania

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Prescribed value of test:

Grade	Direct Atest	Re Min (MPa)	Re Max (MPa)	Rm Min (MPa)	Rm Max (MPa)	A5 Min (%)	A5 Max (%)	A80 Min (%)	A80 Max (%)	HRB Min	HRB Max	Dimm. norm	Grade norm
MW01	T	240	340	360	470			26.0				MWSS	MWSS

Description of goods:

Thickness (mm)	Width (mm)	Length (mm)	Grade	Zn layer (g/m ²)	Surface	Weight (kg)	Signo	Order	Safety component
2,15	214,00		MW01	0	p O	21680	1412150214	1735	

Weight (kg): **21680**

Mechanical properties:

ICJ	Heat	Direct Atest	Thickne ss (mm)	Width (mm)	Length (mm)	Grade	Re (MPa)	Rm (MPa)	A5 (%)	A80 (%)	HRB	Zn layer (g/m ²)	r	n	Enamel test
13105045001	19343	T	2,15	214,00		MW01	279	397		32,0					
13105045002	19343	T	2,15	214,00		MW01	279	397		32,0					
13105045003	19343	T	2,15	214,00		MW01	279	397		32,0					
13105048001	19343	T	2,15	214,00		MW01	277	401		32,0					
13105048002	19343	T	2,15	214,00		MW01	277	401		32,0					
13105048003	19343	T	2,15	214,00		MW01	277	401		32,0					
13105048004	19343	T	2,15	214,00		MW01	277	401		32,0					
13105048005	19343	T	2,15	214,00		MW01	277	401		32,0					

Core sample conform MWSS



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Metallurgical certificat No.: 211313158 Packing list No.: 211313158

EN 10204 - 3.1


 C.L.N. Slovakia s.r.o.
 Vstupný areál U.S. Steel
 044 54 Košice
 Slovakia

 MW Romania S.A.
 ST.TUDOR VLADIMIRESCU 778
 245700 DRAGASANI
 Romania

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Chemical composition:

Heat	C (%)	Mn (%)	Si (%)	P (%)	S (%)	Al (%)	N (%)	Nb (%)	Ti (%)	V (%)	Mo (%)	Cr (%)	Ni (%)	Cu (%)	Sn (%)	As (%)	B (%)	
19343	0,079	0,38	0,010	0,009	0,009	0,042												

 Issued by Quality department,
 email: j.svanther@sk.canessa.gruppoch.n.com

Date: 9.7.2013

TECHNISCHER BERICHT

366-0006-16-WIRD-TB

Hersteller: MW Aftermarket Srl 400832
10098 Rivoli (TO)
Art: Nachrüstrad 6 J X 14
Typ: 14604098-6

I. Übersicht

Ausführung	Ausführungsbezeichnung		Loch- kreis (mm) / -zahl	Mitten- och (mm)	Ein- preß- tiefe (mm)	zul. Rad- last (kg)	zul. Abroll- umf. (mm)	gültig ab Fertig- Datum
	Kennzeichnung Rad	Kennzeichnung Zentrierring						
R1-1638	R1-1638	ohne	98/4	58	40	470	1818	47/14

I.1. Beschreibung der Nachrüsträder

Hersteller : MW Aftermarket Srl
10098 Rivoli (TO)
Handelsmarke : MW
Nachbaurad : R1-1638
Korrosionsschutz : Mehrschicht-Einbrennlackierung
Masse des Rades : ca. 6,4 kg

I.2. Radanschluß

siehe Punkt I. Übersicht

I.3. Kennzeichnung der Nachrüsträder

An den Nachrüsträdern wird folgende Kennzeichnung an der Außen- bzw. Innenseite eingegossen bzw. eingeprägt, siehe Beispiel der Radausführung R1-1638:

	: Außenseite	: Innenseite
Handelsmarke	: MW	: --
Radausführung	: R1-1638	: --
Radgröße	: 6 J X 14 H2	: --
Genehmigungszeichen	: (E1) 124R- 001064	: --
Einpreßtiefe	: ET40	: --
Herstellungsdatum	: Fertigungswoche und -jahr z.B. 47.14	: --

Zusätzlich können an der Radinnenseite bzw. -außenseite verschiedene Kontrollzeichen angebracht sein.

I.4. Verwendungsbereich

Die Nachrüsträder sind für Personenkraftwagen vorgesehen.

Fahrzeugteil: Nachrüstrad 6 J X 14
 Antragsteller: MW Aftermarket Srl

Radtyp: 14604098-6
 Stand: 14.01.2016

II. Radprüfung

Die Dauerfestigkeit der hier beschriebenen Räder wurde gemäß ECE Regelung Nr. 124 geprüft.

II.1. Felge

Die Maße und Toleranzen der Felgenkontur entsprechen der E.T.R.T.O. Norm.

II.2. Werkstoff der Nachrüsträder:

Zusammensetzung, Festigkeitswerte und Korrosionsverhalten des Werkstoffes sind in der Beschreibung des Herstellers aufgeführt; diese Angaben wurden durch uns nicht überprüft.

II.3. Festigkeitsprüfung:

II.3.1. Dauerfestigkeitsprüfung:

Die Biegeumlaufprüfung wurde positiv an je 2 Rädern für folgende Prüfmomente abgeschlossen:

Ausführung	Einpreßtiefe in mm	Radlast in kg	Abrollumfang in mm	Anzugsmoment in Nm Prüfwert	Prüfmoment in Nm Mb max. bei 100%
R1-1638	40	470	1818	100	2770

II.3.3 Abrollprüfung:

Ein Abrollversuch gemäß ECE-Regelung 124 wurde an je 2 Rädern durchgeführt.

Der Abrollprüfung wurden folgende Werte zugrunde gelegt:

Ausführung	Geschwindigkeit in km/h	Strecke in km	Last in kg	Reifendruck in bar	Reifen
R1-1638	60	1000	1058	4,5	185/65R14

Nach Ablauf der erforderlichen Abrollstrecke wurde an den Rädern weder ein Anriß noch eine Funktionsbeeinträchtigung festgestellt.

III. Entfällt

IV. Zusammenfassung:

Die Prüfungen wurden entsprechend den relevanten Anforderungen der EN ISO/IEC 17025:2005 durchgeführt.

Der Antragsteller hat darüber hinaus dafür zu sorgen, daß dieser Bericht sowie dessen Anlagen durch Nachtrag ergänzt wird, wenn

- sich am Nachrüstrad Änderungen in maßlicher, werkstofflicher oder fertigungstechnischer Hinsicht ergeben.

V. Unterlagen:

V.1. Technische Unterlagen:

Der Begutachtung zugrunde liegende Unterlagen:

Ausführung	Rad-Zeichnungs-Nr.	Datum	Änderung / Datum
R1-1638	R1-1638 ECE	23.10.2015	

V.2. Allgemeine Hinweise:

Keine

VI. Radspezifische Auflagen

74B) Die verwendeten Radbefestigungsteile sind auf ihre Eignung zu überprüfen.



A handwritten signature in blue ink, appearing to be "AB", located to the right of the circular stamp.

Cinibulk

Sachverständiger
Prüflabor DIN EN ISO/IEC 17025
Wien, 14.01.2016
AB



MW Aftermarket

ASSICURAZIONE QUALITÀ
QUALITY ASSURANCE

**DATI - CARATTERISTICHE
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Installation instructions for steel wheels (E1) 124R 001064

1. Carefully check the steel wheel before installation to ensure it is not damaged
2. Only use tyres listed in Annex 4, or those mentioned on the vehicle's registration document
3. Be careful! Installation must be performed by qualified personnel
4. Position the wheel on the hub so that the center hole of the wheel corresponds to the centering of the hub, and make sure the wheel disc has full contact with the hub flange.
 - a- Check that the bolts are compatible with the mounting holes of the homologated wheel
 - b- Check that the length of the bolts is conform for mounting
 - c- Hold the wheel with one hand and tighten the bolts starting from the lowest one
 - d- Tighten the bolts in a criss-cross sequence
 - e- For tightening only use a screwdriver with torque control or a torque wrench.
 - f- Turn the mounted wheel on the hub to make sure that there is no interference with the brake calipers
5. The wheel must be mounted only on the types of vehicle listed in the Annex
6. Attention! The bolts must not be lubricated and must be retightened after 50 km of driving
7. The tire pressure must be the one specified by the vehicle's manufacturer
8. The use of snow chains is only permitted if foreseen by the vehicle's manufacturer

**Prüfbericht 366-0006-16-WIRD
zur Erteilung der ECE (E1) 124R- 001064**

ANLAGE: 9.1

Hersteller: MW Aftermarket Srl

Radtyp: 14604098-6

Stand: 14.01.2016



Seite: 1 von 1

Manufacturer : FIAT**Wheel dates:**

Wheel size according to standard : 6 J X 14 H2

Off set(mm) : 40

Hole circle (mm)/number of holes : 98/4

centering type : centering fixed

Technical dates, short form

version	Version name		Centering hole (mm)	Centering material	Permissible wheel Load (kg)	Permissible rolling Circumference (mm)	Valid from Production date
	Wheel identification	Centering identification					
R1-1638	R1-1638	Without	58		470	1818	47/14

In built-up vehicle safety and / or environment-related vehicle systems (such as tire pressure monitoring systems) must remain functional or replaced.

Scope/Vehicle Manufacturer : FIAT

Mounting parts : conical collar bolt M12x1,25, tapered thread 60 Grad

Tightening torque for fixing parts : 90 Nm for Type : 843
100 Nm for Type : 350commercial type: **FIAT IDEA, MUSA**

Vehicle type	Approval	kW	Tires	Restrictions of tires	Restrictions
350	e3*2001/116*0153*..	51 - 70	185/65R14 86		1); 2); 33)

commercial type: **LANCIA YPSILON**

Vehicle type	Approval	kW	Tires	Restrictions of tires	Restrictions
843	e3*2001/116*0149*..	44 - 77	185/65R14 86		1); 2); 33)

Restrictions

- 1) To be kept:
 - the standard wheel size and offset.
 - tyre size with service description (load and speed index) and tyre brand commitments
 - as well as limitations to snow tyres (M+S) from the car documents.
 - requirements and limitations of snow chains from the operating licence and the operation manual.
- 2) Only permissible at vehicle models, which are allowed to use steel wheels as standard.
- 33) The standard fixing parts and accessories of the vehicle manufacturer for the corresponding series-wheel must be used.