



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A WHEEL TYPE, PURSUANT  
TO REGULATION NO. 124 SUPPLEMENT 1

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Approval No: 124R-001106

Extension No: Not applicable

1. Wheel manufacturer: ACACIA Srl
2. Wheel type designation: BM80 8,0x18
  - 2.1. Category of replacement wheels: Pattern part replacement wheels
  - 2.2. Construction material: Aluminium Alloy Al-Si 7%
  - 2.3. Method of production: Cast
  - 2.4. Rim contour designation: 8,0Jx18 H2
  - 2.5. Wheel inset/outset: ET 34
  - 2.6. Wheel attachment: PCD 5 x 120
  - 2.7. Maximum wheel load and respective theoretical rolling circumference:  
7.651 N (780 kg) and 2.000 mm
3. Address of the manufacturer:  
ACACIA Srl  
Via Pezzagrande D/2  
84025 Eboli (SA)  
Italy
4. If applicable, name and address of manufacturers' representative: Not applicable
5. Date on which the wheel was submitted for approval tests: 27 March 2013

MSN272332

An executive agency of the Department for Transport  
August 2012 Revision 2



6. Technical Service responsible for carrying out the approval test: Vehicle Certification Agency
7. Date of test report issued by the Technical Service: 10 October 2013
8. Number of test report issued by the Technical Service: MSN272332
9. Any remarks: Approval to Supplement 1
10. Approval: GRANTED
11. Reason(s) for the extension (if applicable): Not applicable
12. Place: BRISTOL
13. Date: 19 DECEMBER 2013
14. Signature:  A. W. STENNING  
Head of Technical and Quality Support Group
15. Annexed is a list of documents making up the approval file, deposited with the Competent Authority which granted approval, a copy can be obtained on request.

**Valid only with the certificate of conformity and with the serial number of the wheels  
downloadable after warranty registration of product: [www.wspitaly.com](http://www.wspitaly.com)**

**OMOLOGAZIONE DI UNA RUOTA**  
**WHEEL'S APPROVAL**  
**REGOLAMENTO ECE R124.00 Suppl 1**  
**REGULATION ECE R124.00 Suppl 1**

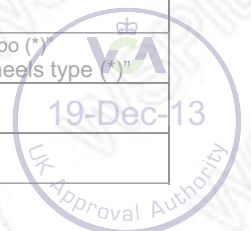
VEHICLE CERTIFICATION AGENCY  
 C/o Mr. Meadows  
 1 The Eastgate Office Centre  
 Eastgate Road  
 Bristol BS 5 6XX  
 United Kingdom

**ALLEGATO 10 – ANNEX 10**

**Documentazione Tecnica - Technical Documentation**

**Ruota Tipo – Wheel Type : BM80 8,0x18**

1		Fabricante della Ruota Wheel manufacturer	ACACIA S.r.l. Via Pezzagrande D/2 – 84025 Eboli (SA)					
2		Marchio commerciale del costruttore Manufacturer trademark	WSP ITALY					
3		Tipo Ruota Wheel type	BM80 8,0x18					
4		Designazione Commerciale Commercial name	W680 / ZEUS					
5		Indirizzo dello stabilimento di fabbricazione Plant address	YHI ADVANTI MANUFACTURING CO. LTD. NO 138, HONG KONG ROAD, 21500 SUZHOU (CHINA)					
6	3.1.1.0	Identificativo Disegni Drawings identifications	(allegato 3 / annex 3)					
7	3.1.2	Caratteristiche tecniche Technical characteristics						
8	3.1.2.1	Categoria delle ruote sostitutive Category of replacement wheels	Punto 2.4.4 Reg. 124 "Ruota sostitutiva replica parziale" - Monopezzo Point 2.4.4 Reg. 124 "Pattern Part Replacement Wheel" - One Piece					
9	2.2.7	Metodo di fabbricazione Method of production	Fusione Cast					
10	3.1.2.2	Designazione Internazionale del cerchio International wheel description	Size	ET	PCD	CB	Colore	
		Varianti	Versioni					
		1	1	8,0Jx18 H2	34	5x120	72,6	Anthracite polished
11	3.1.2.3	Coppia di serraggio colonnette e dadi (kgm) Tightening torque for studs and nuts	12 kgm					
12	3.1.2.4	Metodo Fissaggio dei pesi di equilibratura Fixing method of balancing weights	A innesto su balconata cerchio o adesivi interni al canale su bordo interno o esterno / Clip on weights on wheel lip and adhesive weights on wheel					
13	3.1.2.5	Accessori per il montaggio Additional mounting components	Vengono usati coprimozzi e bulloneria originali Original Cap and studs					
14	3.1.2.6	Norma internazionale di riferimento International standard reference	E.T.R.T.O. (European Tires and Rim Technical Organization)					
15	3.1.2.7	Idoneità al montaggio tubeless Suitable for tubeless tyre mounting	Sì Yes					
16	3.1.2.8	Tipi di valvole Suitable valves types	V2.03.1 (Standard ETRTO)					
17	3.1.2.9	Portata massima della ruota e relativa circonferenza teorica di rotolamento Maximum wheel load and respective theoretical rolling circumference	Varianti/Versioni: 1/1 : 7.651 N (780 kg) and 2.000 mm					
18	3.1.2.10	Pressione di gonfiaggio massima pneumatici Recommended maximum inflation pressure	La pressione di gonfiaggio è quella del costruttore dei veicoli (max3,5bar) / Maximum Inflation pressure as vehicle manufacturer data (max3,5 bar)					
19	3.1.2.11	Materiale Impiegato - Composizione Materiale Material – Material Composition	Vedi Pagina 2 "Materiale impiegato e Composizione" e Lab Report (all.1) See Page 2 "Material and Composition" and Lab Report (all.1)					
20	3.1.2.12	Dimensione pneumatici da costruttore veicoli Tyre size designations specified for vehicle OEM	Varianti/Versioni: 1/1: 225/40R18 88W					
21	3.1.3.a	Caratteristiche del veicolo Vehicle Characteristics	Vedi Pagina 2 "Lista dei veicoli" See Page 2 – "List of vehicles"					
22	3.1.3.b	Ulteriori caratteristiche Additional characteristics	No					
23	3.1.3.c	Istruzioni per il montaggio Fitting Instructions Details	Vedi allegato 2 – "Istruzioni di montaggio per ruota tipo (*)" See annex 2 – "Fitting Instruction details for wheels type (*)"					
24	3.1.3.d	Requisiti Supplementari Additional Requirements	Vedi pagine da 2 a 5 See pages 2 to 5					
25	3.1.4	Ruote campione rappresentative Representative Sample Wheel	Vedi punto 10 – See point 10					



## Ruota Tipo – Wheel Type : BM80 8,0x18

### Materiale Impiegato e Composizione Material and Composition

Lega di Alluminio Al-Si 7% - Aluminum Alloy Al-Si 7%

Si: min 6,50% - max 7,50%    Fe: min 0,00% - max 0,15%    Al: min 92,0%    Cu: min 0,00% - max 0,20%

Mn: min 0,00% - max 0,20%    Mg: min 0,25% - max 0,32%    Zn: min 0,00% - max 0,30%

Ti: min 0,08% - max 0,18%    Sr: min 0,04% - max 0,08%

### Caratteristiche meccaniche minime Minimum mechanical properties

Resistenza a Rottura / Strength at Break Rm : 228 MPa

Resistenza allo snervamento / Yield Strength Rp0,2 : 166 MPa

Allungamento a Rottura/ Elongation at Break A : 4%

### Caratteristiche del/i veicolo/i Vehicle's Characteristics

#### Varianti/Versioni: 8,0x18 ET34 5x120 72,6

Vehicle Type	Vehicle Model (*)	Approval No.	Performance (kW from - to)	Permissible tyre size only for front axle (*)	Additional conditions and advice
BMW	Vehicle Model under approval No. e1*2007/46-371/2010*0314	e1*2007/46-371/2010*0314	--	Measures under approval No. e1*2007/46-371/2010*0314	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0315	e1*2007/46-678/2011*0315	--	Measures under approval No. e1*2007/46-678/2011*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0586	e1*2007/46-678/2011*0586	--	Measures under approval No. e1*2007/46-678/2011*0586	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0314	e1*2007/46-678/2011*0314	--	Measures under approval No. e1*2007/46-678/2011*0314	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2001/116*0308	e1*70/156-2001/116*0308	--	Measures under approval No. e1*70/156-2001/116*0308	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2001/116*0344	e1*70/156-2001/116*0344	--	Measures under approval No. e1*70/156-2001/116*0344	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2007/37*0346	e1*70/156-2007/37*0346	--	Measures under approval No. e1*70/156-2007/37*0346	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2001/116*0346	e1*70/156-2001/116*0346	--	Measures under approval No. e1*70/156-2001/116*0346	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2007/37*0308	e1*70/156-2007/37*0308	--	Measures under approval No. e1*70/156-2007/37*0308	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*70/156-2007/37*0344	e1*70/156-2007/37*0344	--	Measures under approval No. e1*70/156-2007/37*0344	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-385/2009*0316	e1*2007/46-385/2009*0316	--	Measures under approval No. e1*2007/46-385/2009*0316	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-385/2009*0314	e1*2007/46-385/2009*0314	--	Measures under approval No. e1*2007/46-385/2009*0314	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-385/2009*0315	e1*2007/46-385/2009*0315	--	Measures under approval No. e1*2007/46-385/2009*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-371/2010*0315	e1*2007/46-371/2010*0315	--	Measures under approval No. e1*2007/46-371/2010*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0315	e1*2007/46-65/2012*0315	--	Measures under approval No. e1*2007/46-65/2012*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0316	e1*2007/46-65/2012*0316	--	Measures under approval No. e1*2007/46-65/2012*0316	See points (11) – (15)

## Ruota Tipo – Wheel Type : BM80 8,0x18

BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0559	e1*2007/46-65/2012*0559	--	Measures under approval No. e1*2007/46-65/2012*0559	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0314	e1*2007/46-65/2012*0314	--	Measures under approval No. e1*2007/46-65/2012*0314	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0315	e1*2007/46-65/2012*0315	--	Measures under approval No. e1*2007/46-65/2012*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0316	e1*2007/46-65/2012*0316	--	Measures under approval No. e1*2007/46-65/2012*0316	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2001/116*0308*..	e1*2001/116*0308*..	--	Measures under approval No. e1*2001/116*0308*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2001/116*0344*..	e1*2001/116*0344*..	--	Measures under approval No. e1*2001/116*0344*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2001/116*0346*..	e1*2001/116*0346*..	--	Measures under approval No. e1*2001/116*0346*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0559*..	e1*2007/46*0559*..	--	Measures under approval No. e1*2007/46*0559*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0314*..	e1*2007/46*0314*..	--	Measures under approval No. e1*2007/46*0314*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0315*..	e1*2007/46*0315*..	--	Measures under approval No. e1*2007/46*0315*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0316*..	e1*2007/46*0316*..	--	Measures under approval No. e1*2007/46*0316*..	See points (11) – (15)

Vehicle Type	Vehicle Model (*)	Approval No.	Performance (kW from - to)	Permissible tyre size front and rear axle (*)	Additional conditions and advice
BMW	Vehicle Model under approval No. e1*70/156-2007/37*0344	e1*70/156-2007/37*0344	--	Measures under approval No. e1*70/156-2007/37*0344	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0315	e1*2007/46-678/2011*0315	--	Measures under approval No. e1*2007/46-678/2011*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0315	e1*2007/46-65/2012*0315	--	Measures under approval No. e1*2007/46-65/2012*0315	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0559	e1*2007/46-678/2011*0559	--	Measures under approval No. e1*2007/46-678/2011*0559	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0559	e1*2007/46-65/2012*0559	--	Measures under approval No. e1*2007/46-65/2012*0559	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-678/2011*0316	e1*2007/46-678/2011*0316	--	Measures under approval No. e1*2007/46-678/2011*0316	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46-65/2012*0316	e1*2007/46-65/2012*0316	--	Measures under approval No. e1*2007/46-65/2012*0316	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0314*..	e1*2007/46*0314*..	--	Measures under approval No. e1*2007/46*0314*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0315*..	e1*2007/46*0315*..	--	Measures under approval No. e1*2007/46*0315*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0559*..	e1*2007/46*0559*..	--	Measures under approval No. e1*2007/46*0559*..	See points (11) – (15)
BMW	Vehicle Model under approval No. e1*2007/46*0316*..	e1*2007/46*0316*..	--	Measures under approval No. e1*2007/46*0316*..	See points (11) – (15)

(\*) More info : [www.wspitaly.com](http://www.wspitaly.com)

**RELAZIONE SUPPLEMENTARE**

**ADDITIONAL REPORT**

## Ruota Tipo – Wheel Type : BM80 8,0x18

Requisiti supplementari di cui all'allegato 10 punti 2.1, 2.2, 2.3 e 2.4 del regolamento ECE/ONU n° 124

Additional requirements referred to attachment 10 points 2.1, 2.2, 2.3 and 2.4 of Regulation No. 124 UN/ECE

### 2.1 Controllo dell'ingombro della ruota

Il controllo dell'ingombro è relativo al profilo di ingombro interno degli organi di sospensione, sterzata e frenatura dei veicoli su cui il cerchio deve essere installato. Tuttavia tale controllo non è necessario che venga esperito nel caso in cui il profilo della ruota oggetto dell'omologazione sia esterno a quello della ruota sostitutiva del costruttore. Ove mai tale condizione non si verificasse sarebbe invece necessario procedere a verifica delle tolleranze tra profilo ruota e profili di ingombro interno, ovvero verificare che:

- 1) luce minima per i componenti dei freni (caso peggiore, ad esempio con nuove guarnizioni per freni): > 3 mm
- 2) luce minima per i componenti della sospensione (ad esempio, bracci superiori e inferiori della sospensione): > 4 mm;
- 3) luce minima per i componenti dello sterzo (ad esempio, tirante trasversale e snodi del gruppo leveraggio dello sterzo): > 4 mm;
- 4) luce minima tra i pesi di equilibratura e i componenti del veicolo: > 2 mm.

### VERIFICA

Per garantire quanto richiesto dalla norma, occorre individuare le ruote del costruttore per il/i veicolo/i su cui la ruota in omologazione è destinata ad essere montata.

CASO	Designazione Internazionale del cerchio International wheel description		Size	ET	PCD	CB	Vehicle Type (*)	Vehicle Model Name (*)	Approval No.
	Varianti	Versioni							
A	1	1	8,0 J X 18 H2	34	5x120	72,6	Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-371/2010*0314		e1*2007/46-371/2010*0314
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0315		e1*2007/46-678/2011*0315
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0586		e1*2007/46-678/2011*0586
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0314		e1*2007/46-678/2011*0314
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0308		e1*70/156-2001/116*0308
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0344		e1*70/156-2001/116*0344

## Ruota Tipo – Wheel Type : BM80 8,0x18

					Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0346	e1*70/156-2007/37*0346
					Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0346	e1*70/156-2001/116*0346
					Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0308	e1*70/156-2007/37*0308
					Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0344	e1*70/156-2007/37*0344
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0316	e1*2007/46-385/2009*0316
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0314	e1*2007/46-385/2009*0314
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0315	e1*2007/46-385/2009*0315
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-371/2010*0315	e1*2007/46-371/2010*0315
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0316	e1*2007/46-678/2011*0316
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0559	e1*2007/46-65/2012*0559
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0314	e1*2007/46-65/2012*0314
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0315	e1*2007/46-65/2012*0315
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0316	e1*2007/46-65/2012*0316
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0308*..	e1*2001/116*0308*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0344*..	e1*2001/116*0344*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0346*..	e1*2001/116*0346*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0559*..	e1*2007/46*0559*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0314*..	e1*2007/46*0314*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0315*..	e1*2007/46*0315*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0316*..	e1*2007/46*0316*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0559	e1*2007/46-678/2011*0559

\*) More info : [www.wspitaly.com](http://www.wspitaly.com)

In tutti i casi lo specifico componente della Famiglia in omologazione ha profilo esterno alla ruota sostitutiva del costruttore. Pertanto non occorre dare luogo alla verifica dei profili di ingombro. (Vedi allegato 3B).

### 2.1 Wheel Calliper Check

The wheel calliper check is referred to the inner contour of the wheel and the space for the suspension, steering and brake components of the vehicle on which the wheel must be mounted.

## Ruota Tipo – Wheel Type : BM80 8,0x18

In the case where the calliper is outside the vehicle manufacturer's replacement wheel calliper, isn't necessary to carry out a check of wheel operating clearance respect to brake, suspension and steering components. In the case where the calliper is inside the vehicle manufacturer's replacement wheel calliper, the check shall be carried out in order to fulfill the following criteria:

- 1) minimum clearance for brake components (worst case, for example with new brake linings): > 3 mm
- 2) minimum clearance for suspension components (worst case, for example upper and lower suspension arms): > 4 mm
- 3) minimum clearance for steering components (worst case, for example track rod and steering joints): > 4 mm and
- 4) minimum clearance between balance weights and vehicle components: > 2 mm.

### VERIFICATION

To check and verify the wheel calliper criteria we must previously identify the vehicle's manufacturer replacement wheels.

CASE	Designazione Internazionale del cerchio International wheel description		Size	ET	PCD	CB	Vehicle Type (*)	Vehicle Model Name (*)	Approval No.
	Varianti	Versioni							
A	1	1	8,0 J X 18 H2	34	5x120	72,6	Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-371/2010*0314		e1*2007/46-371/2010*0314
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0315		e1*2007/46-678/2011*0315
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0586		e1*2007/46-678/2011*0586
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0314		e1*2007/46-678/2011*0314
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0308		e1*70/156-2001/116*0308
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0344		e1*70/156-2001/116*0344
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0346		e1*70/156-2007/37*0346
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2001/116*0346		e1*70/156-2001/116*0346
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0308		e1*70/156-2007/37*0308
							Vehicle Type and Vehicle Model Name under approval No. e1*70/156-2007/37*0344		e1*70/156-2007/37*0344
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0316		e1*2007/46-385/2009*0316
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0314		e1*2007/46-385/2009*0314
Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-385/2009*0315		e1*2007/46-385/2009*0315							



## Ruota Tipo – Wheel Type : BM80 8,0x18

					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-371/2010*0315	e1*2007/46-371/2010*0315
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0316	e1*2007/46-65/2012*0315
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0559	e1*2007/46-678/2011*0316
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0314	e1*2007/46-65/2012*0559
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0315	e1*2007/46-65/2012*0314
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-65/2012*0316	e1*2007/46-65/2012*0316
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0308*..	e1*2001/116*0308*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0344*..	e1*2001/116*0344*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2001/116*0346*..	e1*2001/116*0346*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0559*..	e1*2007/46*0559*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0314*..	e1*2007/46*0314*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0315*..	e1*2007/46*0315*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46*0316*..	e1*2007/46*0316*..
					Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0559	e1*2007/46-678/2011*0559

(\*) More Info : [www.wspitaly.com](http://www.wspitaly.com)

In all cases the inner contour of the component of wheel family to approve is outside the vehicle manufacturer's replacement wheel caliper. So, isn't necessary to carry out this check. (See annex 3B)

### 2.2 Controllo dei fori di ventilazione

Il controllo dei fori di ventilazione è relativo all'area di ventilazione del cerchio originale per il quale il cerchio di cui alla presente relazione è sostitutivo. Avendo a disposizione l'area di ventilazione del cerchio originale possiamo verificare se esse siano uguali o inferiori all'area di ventilazione della ruota sostitutiva.

Anche in questo caso la condizione è verificata essendo l'area di ventilazione della ruota in omologazione maggiore dell'area di ventilazione della ruota sostitutiva del costruttore.

Dalla Verifica delle aree di ventilazione risulta che le aree di ventilazione della ruota sostitutiva in omologazione sono maggiori di quelle della ruota del costruttore. (Vedi allegato 3B).

### 2.2 Ventilation Holes Check

## Ruota Tipo – Wheel Type : BM80 8,0x18

An approved wheel shall not reduce the brake efficiency in comparison with a manufacturer's replacement wheel. A check of the brake efficiency (Fade Test) must be carried out when the area of the ventilation holes in a pattern part replacement wheel is smaller than corresponding vehicle manufacturer's wheel.

In this case the area of ventilation holes is bigger than area of corresponding vehicle manufacturer's wheel and a fade test isn't necessary. (See annex 3B).

### 2.3 Fissaggio della ruota

Per il fissaggio della ruota si impiegano elementi della ruota sostitutiva del costruttore del veicolo. Non vi sono elementi speciali di fissaggio né si richiedono modifiche supplementari per consentirne il montaggio. Il numero base degli elementi di fissaggio di 5 fori per 120 mm non è cambiato. I bulloni della ruota hanno la lunghezza di avvitamento identica a quella ottenuta dagli elementi di fissaggio della ruota sostitutiva del costruttore del veicolo. Il profilo dei bulloni/dadi è compatibile con quello del foro di riferimento nella ruota omologata.

### 2.3 Wheel Fixing

To fix the wheel on the vehicle the same manufacturer's fixing components are used. There are no special fixing components nor they do require any additional changes. The number of the fixing elements matches the manufacturer's one. Bolt's length and Bolt's spin length are the same and the contour is complying with the holes of the approved wheel.

### 2.4 Sporgenze esterne

La ruota omologata una volta montata sul veicolo, unitamente a ogni necessario accessorio, non costituisce una fonte di pericolo rispettando le prescrizioni del regolamento ECE-R26\*. Infatti i dadi delle ruote i coprimozzi e le ruote non presentano proiezioni appuntite e quando il veicolo procede in linea retta, nessuna parte della ruota diversa dai pneumatici situata al di sopra del piano orizzontale passante attraverso il loro asse di rotazione, sporge oltre la proiezione verticale, su un piano orizzontale della superficie esterna o struttura.

### 2.4 External Projections

Once the approved wheel is mounted on the vehicle with all components there is no danger as all requirements of Regulation No. 26 UN/ECE are respected. In fact, the bolts and the caps of the wheels do not present pointed projections while the vehicle is proceeding. No part of the wheels other than the tyres,

## Ruota Tipo – Wheel Type : BM80 8,0x18

situated above the horizontal plane passing through their axis of rotation shall project beyond the vertical projection, in a horizontal plane of the external surface or structure.

Eboli, 14 Dicembre 2015

Il responsabile tecnico di Acacia s.r.l.

Ing. Antonio D'Ambrosio



### Lista Allegati

#### Annex List

Allegato 1 – “Istruzioni di montaggio per ruota tipo BM80 8,0x18”  
Annex 1 – “Fitting Instruction details for wheels type BM80 8,0x18”

Allegato 2 – Disegno della Ruota  
Annex 2 – Wheel Project

Allegato 3 – Disegni Comparativi Ruota Sostitutiva, Replica – Ruota Sostitutiva Costruttore del Veicolo  
Annex 3 – Comparative Pictures Pattern Part Replacement Wheel – Vehicle's Manufacturer Replacement Wheel

Valid only with the certificate of conformity and with the serial number of the wheels  
downloadable after warranty registration of product: [www.wspitaly.com](http://www.wspitaly.com)



## Informations for retailers and end users

The WiSP Italy wheels are compatible replacement parts homologated in accordance with Regulation UNECE R124, the wheels replicate designs and models of car manufacturers and are identical to OEM wheels in appearance, shape and dimensions.

**-A) The WiSP Italy wheels can be used solely to substitute, for repair scope, one or more wheels incorporated in the car complex product and to restore the original appearance of the vehicle when placed on the market, in observance of art. 110 Reg. CE n. 6/2002 as well as in conformity with the judgement issued by ECJ on 20th Dec 2017 in the joined cases C-397/16 and C-435/16. The match of WiSP Italy wheels with OEM wheel Part Number facilitates the wheel-vehicle association in observance of current law provisions. It is thus not allowed any use of WiSP Italy wheels for purposes not compliant with the above written scopes.**

### Warranty

**Warranty validity is ensured if the conditions of point A) are respected. Serial codes for activation of the warranty are both on the box of products WiSP Italy and on the certificate of conformity. They are also valid for traceability and authenticity of our product, type approved and safe. The buyer is obliged to register the serial codes within 15 days (fifteen) from purchase date, purchase invoice will attest the date.**

### Transport

All the wheels sold by WiSP ITALY, with reference to codes, models, design, finish and accessories must be checked upon their receipt. In case of claims about damages due to transportation, please inform immediately the courier. In case of claims about any other defects, you have to forward your claim to WiSP ITALY within 24 hours from the receipt of goods.

### Assembly

The wheels must be mounted according to all the indications stated in the Technical Cards. **(1)** Before mounting the tyre on the wheel, you must follow the listed instructions very carefully:

- The wheel must be suitable for the vehicle (special fitment)
- No part of the vehicle (clamp, brakes, shocks-absorber etc.) must be in touch with the wheel. Such problems could occur only in case of non-compliance with point (A) **in this case warranty is voided and manufacturer is exempted from any liability with immediate effect.**
- All the accessories (bolts, nuts) shall comply with the original equipment used by the vehicle manufacturer
- For mounting problems and / or discrepancies on the adaptability arising from any use or application not corresponding to the information provided by WiSP Italy and/or not described in the attached manual, **the validity of the guarantee and the right to reimbursement and acceptance of any complaints is declined with immediate effect.**

### Maintenance

It is recommended to keep clean the surface of the wheel and prevent it from coming into contact with substances that may alter it, particularly salty deposits. Do not use high-pressure jets to clean, nor acids neither abrasive/corrosive means that may damage or scratch the chromium plated surface such as powders or metallic blades. It is recommended to use only water and neutral soap with a soft cloth for delicate surfaces. It is recommended to avoid during car-washing the use of some detergents used to wash the engine and the underbody.

The WiSP ITALY alloy wheels, a product of high technology, are manufactured with extreme care and precision. Despite their high quality, should the product show any defect, it will be covered by a guarantee having the following terms and conditions. When selling the legal guarantee according directive 1999/44 EC is 24 months from the purchasing date. This is a conformity guarantee that ensures non conformity defect of the product at purchasing specifications. This legal guarantee doesn't cover defects arising from wear and tear and / or improper use and / or bad maintenance of the product. Any other form of guarantee and/or compensation, conventional or legal, is excluded. The guarantee is valid only if the purchasing date is confirmed by the seller's stamp and accompanied by a recognized sales document or by online registration. The guarantee is valid in all the countries in which the wheels are officially sold by WiSP ITALY or by an authorized distributor.

Whole text available on [www.wspitaly.com](http://www.wspitaly.com)

## Informazioni per rivenditori e consumatori

I cerchi in lega WiSP Italy sono cerchi di ricambio compatibile omologati UNECE R124 che replicano disegni o modelli delle case costruttrici di automobili e sono identici ai cerchi originali per aspetto, forma e dimensione.

**-A) I cerchi in lega WiSP Italy sono utilizzabili esclusivamente allo scopo di consentire la sostituzione per finalità di sola riparazione di uno o più cerchi inizialmente incorporati nel prodotto complesso automobile al momento della sua immissione sul mercato, ai sensi dell'art. 110 del Regolamento CE n. 6/2002 nonché in conformità alla sentenza emessa dalla Corte di Giustizia in data 20/12/2017 nelle cause riunite C-397/16 e C-435/16. L'indicazione del OEM Part Number riferito alle ruote WiSP Italy facilita l'associazione ruota-veicolo nel rispetto da quanto previsto dalla norma. È vietato ogni utilizzo dei cerchi WiSP Italy per scopi diversi e incompatibili con le finalità che precedono.**

### Garanzia

**-B) La condizione di validità è assicurata quando sono rispettate le condizioni al punto (A) Sulla scatola del prodotto e/o sul certificato di conformità trova il numero seriale della ruota da utilizzare per l'attivazione della garanzia e validare l'acquisto di un prodotto autentico WiSP Italy, omologato e sicuro. Effettui la registrazione entro 15 giorni dall'acquisto del prodotto, farà fede il titolo d'acquisto.**

### Trasporto

Tutte le ruote vendute da WiSP ITALY, in riferimento a codici, modelli, design, finitura e accessori devono essere controllate all'atto del ricevimento. In caso di reclamo su eventuali danni per rottura del cerchio, graffi o quant'altro possa essere dovuto al trasporto, si prega di informare immediatamente il corriere. Mentre in caso di reclami relativi a qualsiasi altro difetto, si prega di inoltrare reclamo a WiSP ITALY entro il termine massimo di 24 ore dal ricevimento della merce.

### Installazione

I cerchi devono essere montati rispettando le indicazioni fornite nelle relative schede tecniche di produzione. Prima di montare lo pneumatico sul cerchio, bisogna seguire attentamente tali istruzioni:

- Il cerchio deve essere rispondente al tipo di veicolo;
- Nessuna parte del veicolo (pinza, freni, ammortizzatori etc.) deve essere in contatto col cerchio. Tali problematiche si riscontrano solo nel caso di non rispetto del punto (A) e fanno decadere ogni forma di garanzia e responsabilità da parte del produttore.
- Tutti gli accessori (bulloni, dadi,) devono essere conformi a quanto utilizzato dal produttore del veicolo nel primo equipaggiamento;
- Nessun reclamo sarà accertato se i cerchi non sono montati seguendo le precedenti istruzioni.
- Per problemi di montaggio e/o discordanze sull'adattabilità derivanti da un qualsiasi uso o impiego non corrispondente alle indicazioni fornite da WiSP Italy e/o non descritte in questo manuale, **decade con effetto immediato la validità della garanzia ed il diritto a rimborsi e riconoscimenti di eventuali reclami.**

### Manutenzione

Si consiglia di mantenere pulita la superficie del cerchio ed evitare che questo entri in contatto con sostanze che possano alterarlo, in particolare depositi salini. Non usare getti ad alta pressione, né acidi e mezzi abrasivi o corrosivi che possano danneggiare o graffiare la superficie cromata come polveri o lame metalliche. Si consiglia di usare solo acqua e sapone neutro con un panno per superfici delicate. Si consiglia di evitare che nell'auto-lavaggio siano usati gli stessi detersivi utilizzati per lavare il motore e la sottoscocca.

I cerchi in lega WiSP ITALY, prodotto di alta tecnologia, sono fabbricati con la massima cura e precisione. Qualora tali cerchi, nonostante la loro alta qualità, dovessero presentare dei difetti, questi sono coperti da una garanzia alle seguenti condizioni: Nelle vendite la garanzia legale ai sensi della direttiva 1999/44 CE è di 24 mesi dalla data d'acquisto. Essa è una garanzia di conformità e copre difetti di non conformità del prodotto alle specifiche di acquisto. Tale garanzia legale non copre difetti derivanti da usura e/o non corretto utilizzo e/o cattiva manutenzione del prodotto. Qualsiasi altra forma di garanzia/risarcimento, legale o convenzionale, rimane esclusa. La garanzia può essere fatta valere solo se la data d'acquisto del consumatore finale confermata dal timbro del venditore ed accompagnata da un documento di vendita avente data certa o da attivazione online. La garanzia è valida in tutti i Paesi in cui le ruote sono ufficialmente vendute da WiSP ITALY o da un distributore autorizzato.

Testo completo disponibile sul sito [www.wspitaly.com](http://www.wspitaly.com)

## Infos für Einzelhändler und Endverbraucher

Die WiSP Italy Räder sind kompatible NOT OEM Ersatzteile, die gemäß der Verordnung UNECE R124 zugelassen sind. Die Leichtmetallfelgen sind nach den Designs bzw. Modellen/ Ausführungen, der Autohersteller nachgebildet und sind identisch mit den Originalen in Form und Größe.

**-A) WiSP Italy Leichtmetallfelgen sind nur als Reparatur Ersatzteile, von einem Rad oder mehreren Rädern als Bauelement eines komplexen Erzeugnisses, verwendbar und sollen mit dem Ziel verwendet werden, die Reparatur dieses komplexen Erzeugnisses zu ermöglichen, um diesen sein ursprüngliches Erscheinungsbild wiederherzustellen, gemäß Art. 110 Reg (CE) n. 6/2002 als der Europäische Gerichtshof am 20. Dezember 2017, die damit verbundenen Rechtssachen C-397/16 und C-435/16 erlassen hat. Die Übereinstimmung von WiSP Italy Rädern mit der OEM-Rad Teilenummer erleichtert die Zuordnung von Rad und Fahrzeug unter Beachtung der geltenden gesetzlichen Bestimmungen. Es ist daher verboten, die Wisp Italy Räder für Zwecke zu verwenden, die nicht mit den oben genannten Anwendungsbereichen übereinstimmen.**

### Garantie

**Die Gültigkeit der Garantie ist gewährleistet, wenn die Bedingungen von Punkt A) eingehalten werden. Die Seriennummern für die Aktivierung der Garantie befinden sich sowohl auf der Verpackung der Produkte WiSP Italy als auch auf dem Konformitätszertifikat. Sie gelten auch für die Rückverfolgbarkeit und Authentizität unseres Produktes, typgeprüft und sicher. Der Käufer ist verpflichtet, die Seriennummern innerhalb von 15 Tagen (fünfzehn) nach dem Kaufdatum zu registrieren, die Kaufrechnung bestätigt das Datum.**

### Transport

Alle von WiSP ITALY verkauften Räder mit Bezug auf Codes, Modelle, Design, Oberfläche und Zubehör sind nach Erhalt zu überprüfen. Bei Reklamationen über Transportschäden informieren Sie bitte umgehend den Kurier. Im Falle von Reklamationen wegen sonstiger Mängel müssen Sie Ihre Reklamation innerhalb von 24 Stunden nach Erhalt der Ware an WiSP ITALY weiterleiten.

### Montage

Die Räder müssen gemäß allen Angaben in den Technischen Anlagen montiert werden. (1) Bevor Sie den Reifen auf das Rad montieren, müssen Sie die aufgeführten Anweisungen sehr sorgfältig befolgen:

- Das Rad muss für das Fahrzeug geeignet sein (Sonderausstattung).
- Kein Teil des Fahrzeugs (Bremsattel, Bremsen, Stoßdämpfer usw.) darf mit dem Rad in Berührung kommen. Solche Probleme können nur bei Nichteinhaltung von Punkt (A) auftreten, **in diesem Fall erlischt die Garantie und der Hersteller ist mit sofortiger Wirkung von jeglicher Haftung befreit.**
- Alle Zubehörteile (Schrauben, Muttern) müssen der vom Fahrzeughersteller verwendeten Erstausrüstung entsprechen.
- Bei Montageproblemen und/oder Unstimmigkeiten in der Anpassungsfähigkeit, die sich aus einer Nutzung oder Anwendung ergeben, die nicht den Angaben von WiSP Italy entspricht und/oder nicht im beigelegten Handbuch beschrieben ist, **wird die Gültigkeit der Garantie und das Recht auf Rückerstattung und Annahme von Beschwerden mit sofortiger Wirkung abgelehnt.**

### Wartung

Es wird empfohlen, die Oberfläche des Rades sauber zu halten und zu verhindern, dass es mit Substanzen in Berührung kommt, die es verändern können, insbesondere salzige Ablagerungen. Verwenden Sie zum Reinigen keine Hochdruckdüsen, säuren keine abrasiven/korrosiven Mittel, die die verchromte Oberfläche beschädigen oder zerkratzen können, wie z. B. Pulver oder metallische Klingen. Es wird empfohlen, bei empfindlichen Oberflächen nur Wasser und neutrale Seife mit einem weichen Tuch zu verwenden. Es wird empfohlen, während der Autowäsche die Verwendung einiger Reinigungsmittel zu vermeiden, die zum Waschen des Motors und des Unterbodens verwendet werden.

Die WiSP ITALY Leichtmetallräder, ein Produkt der Spitzentechnologie, werden mit äußerster Sorgfalt und Präzision hergestellt. Sollte das Produkt trotz seiner hohen Qualität einen Fehler aufweisen, wird es durch eine Garantie mit den folgenden Bedingungen abgedeckt. Beim Verkauf der gesetzlichen Garantie gemäß Richtlinie 1999/44/EG beträgt die Frist 24 Monate ab Kaufdatum. Es ist eine Konformitätsgarantie und deckt Mängel der Nichtkonformität des Produkts mit den Kaufspezifikationen ab. Diese gesetzliche Garantie erstreckt sich nicht auf Mängel, die auf Verschleiß und/oder unsachgemäßen Gebrauch und/oder schlechte Wartung des Produkts zurückzuführen sind. Jede andere Form der Gewährleistung und/oder Entschädigung, ob konventionell oder rechtlich, ist ausgeschlossen. Die Garantie gilt nur, wenn das Kaufdatum durch den Stempel des Verkäufers bestätigt und mit einem anerkannten Verkaufsbeleg oder einer Online-Registrierung versehen wird. Die Garantie gilt in allen Ländern, in denen die Felgen offiziell von WiSP ITALY oder einem autorisierten Händler verkauft werden.