



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED⁽⁴⁾ / APPROVAL EXTENDED⁽¹⁾ /
APPROVAL REFUSED⁽⁴⁾ / APPROVAL WITHDRAWN⁽⁴⁾ / PRODUCTION DEFINITELY
DISCONTINUED⁽⁴⁾ OF A WHEEL TYPE, PURSUANT TO REGULATION NO. 124




Approval No: 124R-001107

Extension No: 01

1. Wheel manufacturer: ACACIA Srl
2. Wheel type designation: BM80 8,5x18
 - 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: 8,5 J x 18 H2
 - 2.5. Wheel inset/outset: Variant 1: ET 47
Variant 2: ET 37
 - 2.6. Wheel attachment: PCD 5 x 120
 - 2.7. Maximum wheel load and respective theoretical rolling circumference:
Variant 1: 7652 N (780 kg) and 2076 mm
Variant 2: 7652 N (780 kg) and 1996 mm
3. Address of the manufacturer:
ACACIA Srl
Via Pezzagrande D/2
84025 Eboli (SA) - Italy

MSQ305747

4. If applicable, name and address of manufacturers' representative: Not applicable
5. Date on which the wheel was submitted for approval tests: As before (27 March 2013) and 27 August 2014
6. Technical Service responsible for carrying out the approval test: Vehicle Certification Agency
7. Date of test report issued by the Technical Service: As before (10 October 2013) and 26 January 2014
8. Number of test report issued by the Technical Service: As before (MSN272333) and MSQ305747
9. Any remarks: Approval to Supplement 1
10. Approval: ~~GRANTED/ EXTENDED/ REFUSED/ WITHDRAWN⁽¹⁾~~
11. Reason(s) for the extension (if applicable): To cover
1) New 8.5 J x 18 H2 wheel variant with 37mm inset
2) New vehicles to the family
12. Place: BRISTOL
13. Date: 30 JANUARY 2015
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.

⁽¹⁾ Strike out what does not apply.

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ACACIA s.r.l.

OMOLOGAZIONE DI UNA RUOTA
WHEEL'S APPROVAL
REGOLAMENTO ECE R124.00 Suppl1
REGULATION ECE R124.00 Suppl1

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

ALLEGATO 10 – ANNEX 10

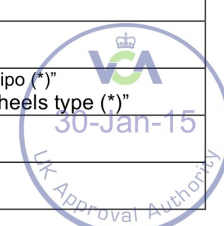
Documentazione Tecnica - Technical Documentation

Ruota Tipo – Wheel Type : BM80 8,5 x 18

Revisione 1 – Review 1

(+) : update data

1		Fabbricante 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 8,5 x 18						
4		Designazione Commerciale Commercial name	W680 / ZEUS						
5		Indirizzo dello stabilimento di fabbricazione Plant address							
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	ET	PCD	CB	Colore			
		Varianti	Versioni						
		1	1	8,5 J X 18 H2	47	5x120	72,6	ANTHRACITE POLISHED	
	2 (+)			37					
11	3.1.2.3	Coppia di serraggio colonnette o 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 load capacity and theoretical rolling circumference	Varianti/Versioni: 1/1 : 7652 N (780 kg) and 2076 mm (+) Varianti/Versioni: 2/1 : 7652 N (780 kg) and 1996 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 : 255 / 40 R18 95Y (+) Varianti/Versioni: 2/1 : 255 / 35 R18 90W (+)						
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 8,5 x 18

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 del/i veicolo/i Vehicle's Characteristics

Varianti/Versioni: 8,5x18 ET47 5x120 72,6

Vehicle Type	Vehicle Model (*)	Approval No.	Performance (kW from - to)	Permissible tyre size only for rear 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*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*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*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*2007/46-65/2012*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)

Varianti/Versioni: 8,5x18 ET37 5x120 72,6

Vehicle Type	Vehicle Model (*)	Approval No.	Performance (kW from - to)	Permissible tyre size only for rear axle (*)	Additional conditions and advice
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*2007/46-678/2011*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*2007/46-385/2009*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)

(*) More Info : www.wspitaly.com

RELAZIONE SUPPLEMENTARE

ADDITIONAL REPORT

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 (case 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

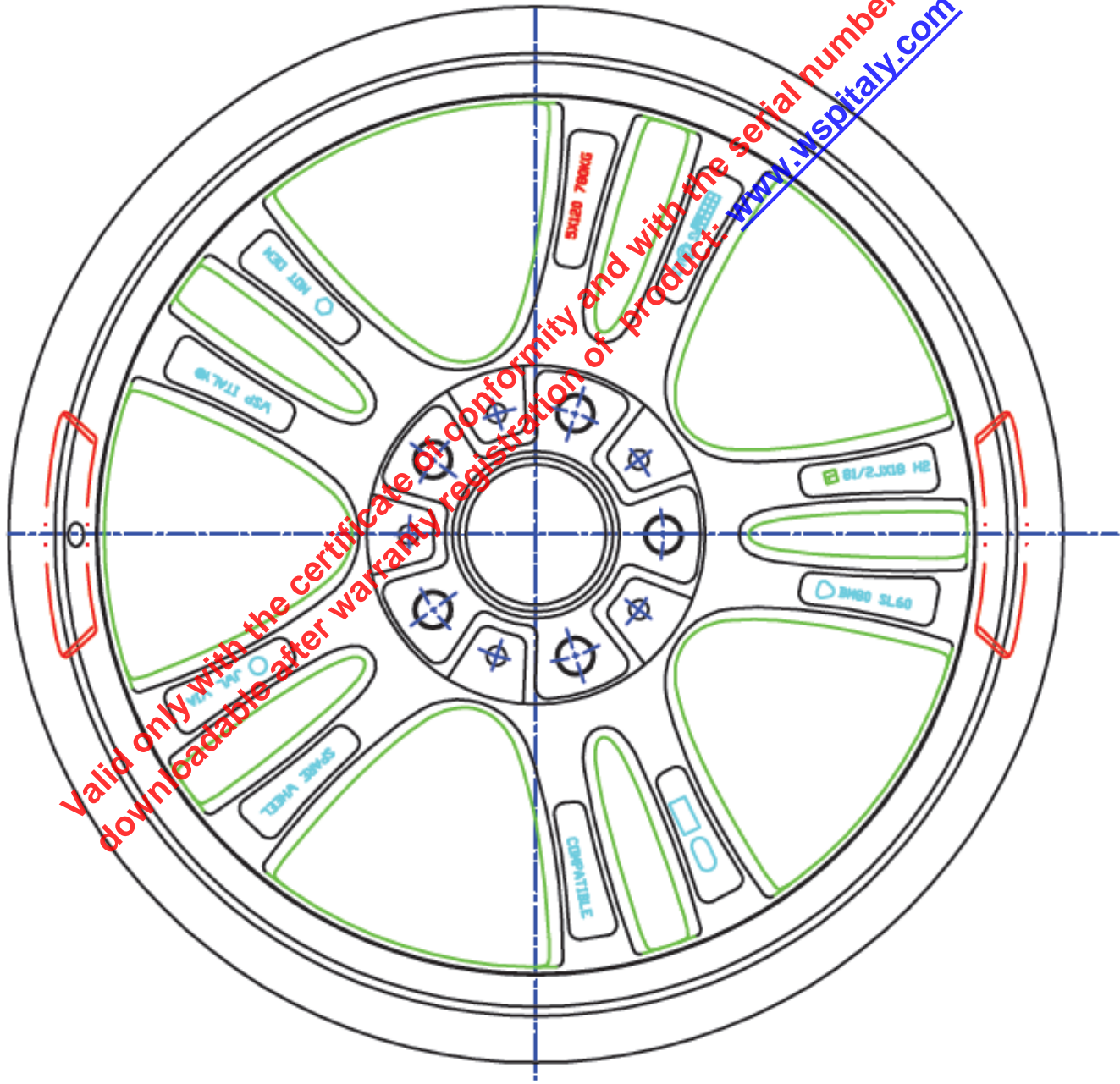
Per garantire quanto richiesto dalla norma, occorre individuare le ruote del costruttore per il/i veicolo/i su cui la ruota in omologazione è destinata ad essere montata.

Ruota Tipo – Wheel Type : BM80 8,5 x 18

CASO	Designazione Internazionale del cerchio International wheel description		Size	ET	PCD	CB	Vehicle Type (*)	Vehicle Model Name (*)	Approval No.
	Varianti	Versioni							
A (+)	1	1	8,5Jx18 H2	47	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*0314	e1*2007/46-678/2011*0314	
							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*0316	e1*2007/46-678/2011*0316	
							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*2007/46-65/2012*0314	e1*2007/46-65/2012*0314	
							Vehicle Type and Vehicle Model Name under approval No. e1*2007/46-678/2011*0315	e1*2007/46-678/2011*0315	
B (+)	2	1	8,5Jx18 H2	37	5x120	72,6	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*2007/46-678/2011*0316	e1*2007/46-678/2011*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*2007/46-371/2010*0315	e1*2007/46-371/2010*0315	

(*) More Info : 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 3).



Valid only with the certificate of conformity and with the serial number of the wheels
downloadable after warranty registration of product www.wspitaly.com