

WHEEL DESCRIPTION

Please find details of wheels supplied to TUV for testing listed below.

Certification request:

ABE documentation

1. General information

- Wheel Type: 830020105
- Wheel Size: 20" x 10.5 J H2
- Tyre type: Tubeless
- Snow chain: See TUV indications
- Face Parallelity and Roundness of Rim: 0.30 mm
- Rim Base: According To Std. E.T.R.T.O.
- Valve Type: Customer Own (STD E.T.R.T.O. 11.3F)
- Balancing Weights: Only Adhesive

2. Applications

- All models homologated

3. Measurement and other

PART NUMBER		ET	PCD	C.B.	Rings	Bolt Nuts	Application
830020105	29 5110G	29	5x110	65.1	-	OE BOLT	ALFA ROMEO, JEEP, MASERATI
830020105	18 5112R	18	5x112	66.5	57.1	0V.V011 OE BOLT	AUDI, BMW, MERCEDES, SEAT, SKODA,VW, MINI, MG, SSANGYONG
830020105	39 5112R	39	5x112	66.5	57.1	0V.V011 OE BOLT	AUDI, BMW, MERCEDES, SEAT, SKODA,VW, MINI, MG, SSANGYONG
830020105	57 5112R	57	5x112	66.5	57.1	0V.V011 OE BOLT	AUDI, BMW, MERCEDES, SEAT, SKODA,VW, MINI, MG, SSANGYONG

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830020105	28 5114Y	28	5x114.3	75 Ring Seat	56.1 60.1 63.4 64.1 65.1 66.1 66.6 67.1 70.4	OE BOLT OE NUT 0V.V009 0D.D023 0D.2530.19 0D.D039	FORD, KIA, HYUNDAI, MASERATI, FERRARI, MAZDA,NISSAN, REANULT, CITROEN, TOYOTA, SUBARU
830020105	45 5114Y	45	5x114.3	75 Ring Seat	56.1 60.1 63.4 64.1 65.1 66.1 66.6 67.1 70.4	OE BOLT OE NUT 0V.V009 0D.D023 0D.2530.19 0D.D039	FORD, KIA, HYUNDAI, MASERATI, FERRARI, MAZDA,NISSAN, REANULT, CITROEN, TOYOTA, SUBARU
830020105	23 5120C	23	5x120	72.5	67.1 64.1	0D.D038 OE BOLT 0D.D023	BMW, CHEVROLET, OPEL, HONDA
830020105	40 5120C	40	5x120	72.5	67.1 64.1	0D.D038 OE BOLT 0D.D023	BMW, CHEVROLET, OPEL, HONDA
830020105	47 5130A	47	5x130	71.6	-	OE BOLT	PORSCHE, AUDI
830020105	59 5130A	59	5x130	71.6	-	OE BOLT	PORSCHE, AUDI

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4. Drawings / Accessories

- Wheel drawing numbers:
 - 8300j20105295 rev 0
 - 8300j20105185 rev 0
 - 8300j20105395 rev 0
 - 8300j20105575 rev 0
 - 8300j20105285 rev 0
 - 8300j20105455 rev 0
 - 8300j20105235 rev 0
 - 8300j20105405 rev 0
 - 8300j20105475 rev 0
 - 8300j20105595 rev 0
- Centering: See draw in attachment
- Hubcap: See draw in attachment
- Valve: See draw in attachment
- Wheel Bolt/Nut: See draw in attachment
- Starting Torque the Wheel Nuts: See TUV Indication

5. Construction

- Wheel Standard: E.T.R.T.O.
- Construction: One Piece Wheels

- Design: Fondmetal Wheels

6. Description of the Wheel Manufacturing

- Features: Low-pressure casting
- Heat treatment: T6
- Machining Process: Fully CNC Machined & CNC drilling
- Varnishing: 3 layer, powder coat, colour paint, lacquer

7. Material

- Material: Aluminium alloy G-Al Si7 Mg - T6
- Enervations load: Rp02 110 ÷ 140 N/mm2
- Tension strength: Rm 190 ÷ 230 N/mm2
- Elongation: A 2 ÷ 5 %
- Density: 2.65 kg/dm3
- Hardness: Min 75 HB
- Chemical Analysis:

Silicio Si%	Rame Cu%	Ferro Fe%	Manganese Mn%	Zinco Zn%	Magnesio Mg%	Titanio Ti%	Altro %
6.5 - 7.5	Max 0.05	Max 0.19	Max 0.10	Max 0.01	0.20 ÷ 0.45	0.08 ÷ 0.25	Max 0.1

8. Corrosion Consistency of the Material

- Against influence of the water: Very good
- Against seawater: Very good - Minimum 384 hours Corrosion Protection to UNI ISO 9227

9. Quality Control

- Material Analysis
- 100% X-Ray Analysis
- Dimensional Inspection Throughout manufacture
- Statistical Process Control on Critical Dimensions
- A 100% tubeless
- A 100% visual inspection

10. Production plant

- Casting: Fondmetal Spa, Via Bergamo, Palosco BG
- Machining Process: Fondmetal Spa, Via Bergamo, Palosco BG
- Varnishing / Paint Finish: Fondmetal Spa, Via Bergamo, Palosco BG
- Finish Control: Fondmetal Spa, Via Bergamo, Palosco BG
- Dispatch/Delivery: Fondmetal Spa, Via Bergamo, Palosco BG

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Ufficio tecnico Fondmetal