

|                                                                                   |                             |                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------|
|  | Test report n.              | 830-QL23-R01 ver.5                                              |
|                                                                                   | Applicant/<br>Antragsteller | Fondmetal Spa<br>Via Bergamo, 4<br>24050 - Palosco (BG) - Italy |
|                                                                                   | EUT/Type                    | 84001880                                                        |

## GUTACHTEN über die Dauerfestigkeit von Rädern Strength Certificate for Wheels

### Nr. 830-QL23-R01 ver.5

This revision of the test report cancels and replaces the previous version

|                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Adressen</b><br>Addresses                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| Antragsteller<br>Applicant                                                                    | Fondmetal Spa - Via Bergamo, 4 - 24050 - Palosco (BG) - Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |
| Hersteller<br>Manufacturer                                                                    | siehe Antragsteller / same as Applicant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                      |
| Prüflabor<br>Test laboratory                                                                  | Qualilab Srl - Via Trento, 87 - 25020 - Capriano del Colle (BS) - Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                      |
| <b>Daten und Berechtigungen</b><br>Dates and authorization                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| Datum Bericht und Test<br>Report and test date                                                | Siehe Punkt VI / See point VI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |
| Unterschriften<br>Authorization                                                               | Giuliano Pizzamiglio<br>Test responsible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
|                                                                                               | Ing. Carsten Seyring<br>Reviewer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| <b>Prüfgegenstand (Herstellerangaben)</b><br>Equipment under test (declared by the applicant) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| Prüfgegenstand<br>Description equipment under test                                            | PKW-Rad / Wheel for Passenger Cars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| Typ<br>Type                                                                                   | 84001880                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                      |
| Modell<br>Model                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
| Radgröße<br>Wheel dimension                                                                   | 8Jx18 H2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                      |
| <b>Anzuwendende Normen</b><br>Applicable standards                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
|                                                                                               | <p>Die Dauerfestigkeit, der hier beschriebenen Räder, wurde gemäss der "Richtlinien für die Prüfung von Sonderrädern für Kfz und ihren Anh. BMV/StV 13/36.25.07-20.01, VklB S 1377" vom 25.11.1998 und ECE-R 124 Änd. 00 Erg. 03 geprüft.</p> <p>The strength resistance of the wheels described in this report were tested in accordance with the "guidelines for the testing and inspection of special wheels for motor vehicles and their trailers BMV/StV 13/36.25.07-20.01, VklB S 1377" from 25<sup>th</sup> of November 1998 and Regulation ECE 124 - Supplement 3 to the original version of the Regulation</p> |                                                                                      |

The test results and observations indicated in this test report refer exclusively to the samples tested. It is not permitted to transfer the results to other systems or configurations. The publication or duplication of this test report with enclosures, or Part of this test report or enclosures, without a written consent of the test laboratory is not permitted. The test laboratory not assumes any liability to any party for any loss, expense or damage occasioned by the use of this report. Any use of the laboratories name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by the test laboratory. In case of a multilingual test report, the English version is the only official version.

|                                                                                   |                             |                                                                 |
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|                                                                                   | Applicant/<br>Antragsteller | Fondmetal Spa<br>Via Bergamo, 4<br>24050 - Palosco (BG) - Italy |
|                                                                                   | EUT/Type                    | 84001880                                                        |

## 0. Zentrierart / Centering type

### Mittenzentrierung

Centering on Hub Flange

## I. Übersicht / Overview

| Ausführung<br>Version | Kennzeichnung Rad/Zentrierring<br>Wheel identification/ Centering rings | Lochzahl/<br>Lochkreis/<br>Mittenloch-Ø<br>[mm]<br>Number of holes/<br>PCD/ centre hole Ø | ET<br>[mm]<br>Offset | Radlast<br>[kg]<br>Wheel load | Abrollumfang<br>[mm]<br>Rolling circumference | Gültig ab<br>Hersteldatum<br>Valid from<br>production date |
|-----------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|-------------------------------|-----------------------------------------------|------------------------------------------------------------|
| 36_4_108              | 84001880 ET36 L.K.108/ ohne Ring                                        | 4/108/65,1                                                                                | 36                   | 800                           | 2500                                          | 03/2024                                                    |
| 30 5108R              | 84001880 ET30 L.K.108R/ ohne Ring                                       | 5/108/65,1                                                                                | 30                   | 1250                          | 2700                                          | 06/2023                                                    |
| 30 5110               | 84001880 ET30 L.K.110/ ohne Ring                                        | 5/110/65,1                                                                                | 30                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø56,1                                       | 5/114,3/56,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø60,1                                       | 5/114,3/60,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø63,4                                       | 5/114,3/63,4                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø64,1                                       | 5/114,3/64,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø65,1                                       | 5/114,3/65,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø66,1                                       | 5/114,3/66,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø66,6                                       | 5/114,3/66,6                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø67,1                                       | 5/114,3/67,1                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø70,4                                       | 5/114,3/70,4                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 5114Y              | 84001880 ET40 L.K.114Y/ Ø75-Ø71,6                                       | 5/114,3/71,6                                                                              | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø56,1                                       | 5/114,3/56,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø60,1                                       | 5/114,3/60,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø63,4                                       | 5/114,3/63,4                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø64,1                                       | 5/114,3/64,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø65,1                                       | 5/114,3/65,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø66,1                                       | 5/114,3/66,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø66,6                                       | 5/114,3/66,6                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø67,1                                       | 5/114,3/67,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø70,4                                       | 5/114,3/70,4                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 42 5114Y              | 84001880 ET42 L.K.114Y/ Ø75-Ø71,6                                       | 5/114,3/71,6                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 55 5118A              | 84001880 ET55 L.K.118A/ ohne Ring                                       | 5/118/71,1                                                                                | 55                   | 1250                          | 2700                                          | 09/2023                                                    |

|                                                                                   |                             |                                                                 |
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|                                                                                   | Applicant/<br>Antragsteller | Fondmetal Spa<br>Via Bergamo, 4<br>24050 - Palosco (BG) - Italy |
|                                                                                   | EUT/Type                    | 84001880                                                        |

| Ausführung<br>Version | Kennzeichnung Rad/Zentrierring<br>Wheel identification/ Centering rings | Lochzahl/<br>Lochkreis/<br>Mittenloch-Ø<br>[mm]<br>Number of holes/<br>PCD/ centre hole Ø | ET<br>[mm]<br>Offset | Radlast<br>[kg]<br>Wheel load | Abrollumfang<br>[mm]<br>Rolling circumference | Gültig ab<br>Hersteldatum<br>Valid from<br>production date |
|-----------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|-------------------------------|-----------------------------------------------|------------------------------------------------------------|
| 40 5120P              | 84001880 ET40 L.K.120P/ ohne Ring                                       | 5/120/65,1                                                                                | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 41 5120R              | 84001880 ET41,5 L.K.120R/ ohne Ring                                     | 5/120/72,6                                                                                | 41,5                 | 1250                          | 2700                                          | 06/2023                                                    |
| 50 5120P              | 84001880 ET50 L.K.120P/ ohne Ring                                       | 5/120/65,1                                                                                | 50                   | 1250                          | 2700                                          | 06/2023                                                    |
| 35 5127I              | 84001880 ET35 L.K.127I/ ohne Ring                                       | 5/127/71,6                                                                                | 35                   | 1250                          | 2700                                          | 06/2023                                                    |
| 35 5130F              | 84001880 ET35 L.K.130F/ ohne Ring                                       | 5/130/84,1                                                                                | 35                   | 1250                          | 2700                                          | 06/2023                                                    |
| 52 5130L              | 84001880 ET52 L.K.130L/ ohne Ring                                       | 5/130/78,1                                                                                | 52                   | 1250                          | 2700                                          | 09/2023                                                    |
| 52_5_130M             | 84001880 ET52 L.K.130M/ ohne Ring                                       | 5/130/89,1                                                                                | 52                   | 1250                          | 2700                                          | 04/2025                                                    |
| 42 6114               | 84001880 ET42 L.K.114/ ohne Ring                                        | 6/114,3/66,1                                                                              | 42                   | 1250                          | 2700                                          | 06/2023                                                    |
| 48_6_120              | 84001880 ET48 L.K.120/ ohne Ring                                        | 6/120/74,5                                                                                | 48                   | 1250                          | 2700                                          | 07/2024                                                    |
| 50 6130F              | 84001880 ET50 L.K.130F/ ohne Ring                                       | 6/130/84,1                                                                                | 50                   | 1250                          | 2700                                          | 06/2023                                                    |
| 40 6135A              | 84001880 ET40 L.K.135A/ ohne Ring                                       | 6/135/87,1                                                                                | 40                   | 1250                          | 2700                                          | 06/2023                                                    |
| 20 6139V              | 84001880 ET20 L.K.139V/ ohne Ring                                       | 6/139,7/106,1                                                                             | 20                   | 1250                          | 2700                                          | 06/2023                                                    |
| 25 6139I              | 84001880 ET25 L.K.139I/ ohne Ring                                       | 6/139,7/100,2                                                                             | 25                   | 1250                          | 2700                                          | 06/2023                                                    |
| 30 6139Q              | 84001880 ET30 L.K.139Q/ ohne Ring                                       | 6/139,7/67,1                                                                              | 30                   | 1250                          | 2700                                          | 06/2023                                                    |
| 50 6139S              | 84001880 ET50 L.K.139S/ ohne Ring                                       | 6/139,7/93,0                                                                              | 50                   | 1250                          | 2700                                          | 06/2023                                                    |
| 50_6_139              | 84001880 ET50 L.K.139/ ohne Ring                                        | 6/139,7/93,0                                                                              | 50                   | 1250                          | 2700                                          | 03/2025                                                    |

#### I.1. Beschreibung der Räder / Description of Wheels

|                                          |                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Handelsmarke<br>Trade mark               | FONDMETAL                                                                            |
| Art der Räder<br>Type of wheels          | Einteiliges Leichtmetall Rad<br>Aluminum One piece wheels                            |
| Korrosionsschutz<br>Corrosion protection | Mehrschicht Einbrennlackierung<br>Multilayer Coating , Baked Paint                   |
| Masse des Rades<br>Weight of wheel       | 17,60 kg * ohne Lackierung / Unpainted<br>* Weigth referes to wheel version 50 5120P |

#### I.2. Radanschluss und Befestigungselemente / Wheel attachment and fastening elements

|                                                                               |
|-------------------------------------------------------------------------------|
| Siehe Punkt I. Übersicht und Anhaenge<br>See point I. overview and enclosures |
|-------------------------------------------------------------------------------|

|                                                                                   |                             |                                                                 |
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|                                                                                   | Applicant/<br>Antragsteller | Fondmetal Spa<br>Via Bergamo, 4<br>24050 - Palosco (BG) - Italy |
|                                                                                   | EUT/Type                    | 84001880                                                        |

### I.3. Kennzeichnung der Räder / Wheel identification

An den Rädern wird folgende Kennzeichnung an der Außen- bzw. Innenseite eingegossen bzw. eingeprägt.  
The following identification will be casted or impressed on the inner and/or outer side of the wheel.

|                                                 | Außenseite / Outer side | Innenseite / Inner side     |
|-------------------------------------------------|-------------------------|-----------------------------|
| Herstellerzeichen / Manufacturer sign           | -                       | FONDMETAL                   |
| Radtyp / Wheel type                             | -                       | 84001880                    |
| Radausführung / Version                         | -                       | -                           |
| Radgröße / Wheel dimension                      | -                       | 18x8J H2                    |
| Einpreßtiefe / Offset                           | -                       | s.p. I Übersicht / overview |
| Herstellungsdatum / Date of manufacturing       | -                       | 06/2023 ( Month/Year )      |
| Herkunftsmerkmal / Origin                       | -                       | Made in Italy               |
| Gießerei-kennzeichnung / Casting identification | -                       | -                           |
| KBA Nummer / KBA number                         | KBA 55023               | -                           |
| ECE Nummer / ECE number                         | -                       | -                           |

Zusätzlich können auf der Radinnenseite bzw.-außenseite verschiedene Kontrollzeichen angebracht sein.  
Additionally, other control labels could be affixed on the outer- or inner side of the wheel.

### I.4. Verwendungsbereich / Application field

Die Räder sind fuer Personenkraftwagen vorgesehen.  
The wheels are designated to be mounted on passenger cars.

## II. Radprüfung / Wheel testing

Die Dauerfestigkeit, der hier beschriebenen Räder , wurde gemäss der “Richtlinien für die Prüfung von Sonderrädern für Kfz und ihren Anh. BMV/StV 13/36.25.07-20.01, VklB S 1377“ vom 25.11.1998 und ECE-R 124 Änd. 00 Erg. 03 geprüft.

The strength resistance of the wheels described in this report were tested in accordance with the “guidelines for the testing and inspection of special wheels for motor vehicles and their trailers BMV/StV 13/36.25.07-20.01, VklB S 1377” from 25<sup>th</sup> of November 1998 and Regulation ECE 124 - Supplement 3 to the original version of the Regulation.

### II.1. Felge / Rim

Die Maße und Tolleranzen der Felgenkontour entsprechen der E.T.R.T.O. Norm.  
Dimensions and tollerances of the rim-contour are in accordance with the E.T.R.T.O.

### II.2. Werkstoffe der Räder / Materials of wheels

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

Composition, strength values and corrosion behaviour of the materials are listed in the technical description of the manufacturer, these data are not verified by us.

|                                                                                   |                             |                                                                 |
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|                                                                                   | EUT/Type                    | 84001880                                                        |

### II.3. Festigkeitsprüfung / Strength test

#### II.3.1. Dauerfestigkeitsprüfung / Endurance strength test

Prüfinstrument / Measurement instrument: Bending fatigue test machine QL-IN-069 and QL-IN-089

| Ausführung/<br>Version | Lochzahl/Lochkreis [mm]/<br>Number of holes/ PCD | ET [mm]<br>Offset | Radlast [kg]<br>Wheel load | Abrollumfang [mm]<br>Rolling circumference | Prüfmoment $M_{b_{max}}$ bei 100 %<br>[Nm]<br>Bending moment | Anzahl Kurzzeittest<br>Short time test qty | Anzahl Langzeittest<br>Long time test qty |
|------------------------|--------------------------------------------------|-------------------|----------------------------|--------------------------------------------|--------------------------------------------------------------|--------------------------------------------|-------------------------------------------|
| 36_4_108               | 4/108                                            | 36                | 800                        | 2500                                       | 6186                                                         | 2                                          | 2                                         |
| 30 5108R               | 5/108                                            | 30                | 1250                       | 2700                                       | 10221                                                        | 1                                          | 1                                         |
| 30 5110                | 5/110                                            | 30                | 1250                       | 2700                                       | 10221                                                        | -                                          | -                                         |
| 40 5114Y               | 5/114,3                                          | 40                | 1250                       | 2700                                       | 10466                                                        | 1                                          | 1                                         |
| 42 5114Y               | 5/114,3                                          | 42                | 1250                       | 2700                                       | 10515                                                        | -                                          | -                                         |
| 55 5118A               | 5/118                                            | 55                | 1250                       | 2700                                       | 10834                                                        | 1                                          | 1                                         |
| 40 5120P               | 5/120                                            | 40                | 1250                       | 2700                                       | 10466                                                        | -                                          | -                                         |
| 41 5120R               | 5/120                                            | 41,5              | 1250                       | 2700                                       | 10503                                                        | 1                                          | 1                                         |
| 50 5120P               | 5/120                                            | 50                | 1250                       | 2700                                       | 10711                                                        | 1                                          | 1                                         |
| 35 5127I               | 5/127                                            | 35                | 1250                       | 2700                                       | 10343                                                        | -                                          | -                                         |
| 35 5130F               | 5/130                                            | 35                | 1250                       | 2700                                       | 10343                                                        | 1                                          | 1                                         |
| 52 5130L               | 5/130                                            | 52                | 1250                       | 2700                                       | 10760                                                        | 1                                          | 1                                         |
| 52_5_130M              | 5/130                                            | 52                | 1250                       | 2700                                       | 10760                                                        | -                                          | -                                         |
| 42 6114                | 6/114,3                                          | 42                | 1250                       | 2700                                       | 10515                                                        | 1                                          | 1                                         |
| 48_6_120               | 6/120                                            | 48                | 1250                       | 2700                                       | 10662                                                        | 1                                          | 1                                         |
| 50 6130F               | 6/130                                            | 50                | 1250                       | 2700                                       | 10711                                                        | 1                                          | 1                                         |
| 40 6135A               | 6/135                                            | 40                | 1250                       | 2700                                       | 10466                                                        | 1                                          | 1                                         |
| 20 6139V               | 6/139,7                                          | 20                | 1250                       | 2700                                       | 9975                                                         | 1                                          | 1                                         |
| 25 6139I               | 6/139,7                                          | 25                | 1250                       | 2700                                       | 10098                                                        | 1                                          | -                                         |
| 30 6139Q               | 6/139,7                                          | 30                | 1250                       | 2700                                       | 10221                                                        | 1                                          | 1                                         |
| 50 6139S               | 6/139,7                                          | 50                | 1250                       | 2700                                       | 10711                                                        | 1                                          | 1                                         |
| 50_6_139               | 6/139,7                                          | 50                | 1250                       | 2700                                       | 10711                                                        | -                                          | -                                         |

Die Prüfung wurde mit positivem Ergebnis abgeschlossen (Anrisskontrolle mittels Farbeindringverfahren)

The test was performed with positive result (crack assessment and evaluation: dye penetration method).

|                                                                                   |                             |                                                                 |
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|                                                                                   | EUT/Type                    | 84001880                                                        |

### II.3.2. Abrollprüfung / Rim rolling test

Prüfinstrument / Measurement instrument: Rim rolling machine QL-IN-068

| Ausführung/<br>Version | Lochzahl/Loch-<br>kreis-[mm]/<br>Number of holes/<br>PCD | ET<br>[mm]<br>Offset | Radlast<br>[kg]<br>Wheel<br>load | Prüf-<br>last<br>[N]<br>Test<br>Load | Reifengröße<br>Tire dimension | Reifenfüll-<br>druck [bar]<br>Tire pressure | Prüf-<br>distanz<br>[km]<br>Test<br>distance | Anzahl<br>Abroll-<br>test<br>Rolling-<br>Test qty |
|------------------------|----------------------------------------------------------|----------------------|----------------------------------|--------------------------------------|-------------------------------|---------------------------------------------|----------------------------------------------|---------------------------------------------------|
| 36_4_108               | 4/108                                                    | 36                   | 800                              | 19620                                | 285/65 R18                    | 4,5                                         | 2000                                         | 2                                                 |
| 50 5120P               | 5/120                                                    | 50                   | 1250                             | 30660                                | 285/65 R18                    | 4,5                                         | 2000                                         | 1                                                 |
| 35 5130F               | 5/130                                                    | 35                   | 1250                             | 30660                                | 285/65 R18                    | 4,5                                         | 2000                                         | 1                                                 |
| 42 6114                | 6/114,3                                                  | 42                   | 1250                             | 30660                                | 285/65 R18                    | 4,5                                         | 2000                                         | 1                                                 |
| 50 6139S               | 6/139,7                                                  | 50                   | 1250                             | 30660                                | 285/65 R18                    | 4,5                                         | 2000                                         | 1                                                 |

Die Prüfung wurde mit positivem Ergebnis abgeschlossen. (Anrisskontrolle mittels Farbeindringverfahren).

Alle anderen Versionen sind abgeleitet.

The test was performed with positive result (crack assessment and evaluation: dye penetration method). All other versions are derived.

### II.3.3. Impact Prüfung / Impact test

Prüfinstrument / Measurement instrument: Impact tester QL-IN-153

| Ausführung/<br>Version | Lochzahl/Loch-<br>kreis [mm]/<br>Number of holes/ PCD | ET<br>[mm]<br>Offset | Radlast<br>[kg]<br>Wheel load | Fallmasse<br>[kg]<br>Impact<br>weight | Reifengröße<br>Tire dimension | Reifenfüll-<br>druck [bar]<br>Tire pressure | Anzahl<br>Impact-<br>test*<br>Impact-Test<br>qty * |
|------------------------|-------------------------------------------------------|----------------------|-------------------------------|---------------------------------------|-------------------------------|---------------------------------------------|----------------------------------------------------|
| 36_4_108               | 4/108                                                 | 36                   | 800                           | 660                                   | 205/35 R18                    | 2,0                                         | 2                                                  |
| 30 5108R               | 5/108                                                 | 30                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 30 5110                | 5/110                                                 | 30                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 40 5114Y               | 5/114,3                                               | 40                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 42 5114Y               | 5/114,3                                               | 42                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 55 5118A               | 5/118                                                 | 55                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 40 5120P               | 5/120                                                 | 40                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 41 5120R               | 5/120                                                 | 41,5                 | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 50 5120P               | 5/120                                                 | 50                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 35 5127I               | 5/127                                                 | 35                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 35 5130F               | 5/130                                                 | 35                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 52 5130L               | 5/130                                                 | 52                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 52_5_130M              | 5/130                                                 | 52                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 48_6_120               | 6/120                                                 | 48                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 42 6114                | 6/114,3                                               | 42                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 50 6130F               | 6/130                                                 | 50                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 40 6135A               | 6/135                                                 | 40                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 20 6139V               | 6/139,7                                               | 20                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 25 6139I               | 6/139,7                                               | 25                   | 1250                          | -                                     | -                             | -                                           | -                                                  |
| 30 6139Q               | 6/139,7                                               | 30                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 50 6139S               | 6/139,7                                               | 50                   | 1250                          | 930                                   | 205/40 R18                    | 2,0                                         | 1                                                  |
| 50_6_139               | 6/139,7                                               | 50                   | 1250                          | -                                     | -                             | -                                           | -                                                  |

|                                                                                   |                             |                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------|
|  | Test report n.              | 830-QL23-R01 ver.5                                              |
|                                                                                   | Applicant/<br>Antragsteller | Fondmetal Spa<br>Via Bergamo, 4<br>24050 - Palosco (BG) - Italy |
|                                                                                   | EUT/Type                    | 84001880                                                        |

\* je Schlagposition / per impact position

Die Prüfung wurde mit positivem Ergebnis abgeschlossen.

The test was performed with positive result.

### III. Prüfergebnis / Test result

Aufgrund der durchgeführten Prüfungen bestehen keine technischen Bedenken o.g. Räder an den in Verwendungsbereichsgutachten genannten Fahrzeugen und den dort aufgeführten Bedingungen zu verwenden.

Based on the performed tests there are no technical objections to apply the wheels described above to the vehicles listed in the application certificate under fulfillment of the mounting conditions.

### IV. Hinweis / Note

-

### V. Anlagen / Enclosures

Beschreibung / Technical description :

Radzeichnung / Drawing n° : 8400J1880364

Radzeichnung / Drawing n° : 8400J1880305

Radzeichnung / Drawing n° : 8400J1880355

Radzeichnung / Drawing n° : 8400J1880405

Radzeichnung / Drawing n° : 8400J1880415

Radzeichnung / Drawing n° : 8400J1880425

Radzeichnung / Drawing n° : 8400J1880505

Radzeichnung / Drawing n° : 8400J1880525

Radzeichnung / Drawing n° : 8400J1880555

Radzeichnung / Drawing n° : 8400J1880206

Radzeichnung / Drawing n° : 8400J1880256

Radzeichnung / Drawing n° : 8400J1880306

Radzeichnung / Drawing n° : 8400J1880406

Radzeichnung / Drawing n° : 8400J1880426

Radzeichnung / Drawing n° : 8400J1880486

Radzeichnung / Drawing n° : 8400J1880506

Date 22/04/2025

rev.0 date 29/01/2024

rev.1 date 04/08/2023

rev.0 date 07/03/2023

rev.0 date 07/03/2023

rev.0 date 09/03/2023

rev.0 date 04/08/2023

rev.0 date 08/03/2023

rev.3 date 11/04/2025

rev.0 date 30/06/2023

rev.0 date 02/03/2023

rev.0 date 06/03/2023

rev.0 date 06/03/2023

rev.0 date 08/03/2023

rev.0 date 08/03/2023

rev.0 date 22/05/2024

rev.4 date 11/02/2025

### VI. Datum Bericht und Test /Report and test date

Ver.0: 04/08/2023 Test Date: From 21/06/2023 to 13/07/2023

Ver.1: 20/09/2023 Addition of versions 55 5118A and 52 5130L - Test Date: From 14/09/2023 to 19/09/2023

Ver.2: 10/04/2024 Addition of versions 36\_4\_108 - Test Date: From 02/04/2024 to 09/04/2024

Ver.3: 15/07/2024 Addition of versions 48\_6\_120 - Test Date: From 10/07/2024 to 12/07/2024

Ver.4: 04/03/2025 Addition of versions 50\_6\_139 - no additional test

Ver.5: 30/04/2025 Addition of versions 52\_5\_130M - no additional test