

## ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:<sup>2</sup>

- Approval granted
- ~~Approval extended~~
- ~~Approval refused~~
- ~~Approval withdrawn~~
- ~~Production definitively discontinued~~

Of a vehicle type with regard to braking, pursuant to Regulation No. 13

Approval No: **E24\*13R11/16\*0105\*00**

Reason(s) for extension:

- *N/A*

- |        |                                                                             |                                                                                       |
|--------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.     | Trade name or make of the vehicle:                                          | <b><i>Iveco / System Truck</i></b>                                                    |
| 2.     | Vehicle category:                                                           | <b><i>N3</i></b>                                                                      |
| 3.     | Vehicle type:                                                               | <b><i>ST 5P MS34Y 13R</i></b>                                                         |
| 4.     | Manufacturer's name and address:                                            | <b><i>S.T. System Truck S.p.A.<br/>Via Paesa, 28<br/>IT-46048 Roverbella (MN)</i></b> |
| 5.     | If applicable name and address of manufacturer's authorised representative: | <b><i>N/A</i></b>                                                                     |
| 6.     | Mass of the vehicle:                                                        |                                                                                       |
| 6.1.   | Maximum mass of the vehicle:                                                | <b><i>41000 kg</i></b>                                                                |
| 6.2.   | Minimum mass of the vehicle:                                                | <b><i>12680 kg</i></b>                                                                |
| 7.     | Distribution of mass on each axle (maximum value):                          | <b><i>See information folder for details</i></b>                                      |
| 8.     | Make and type of brake linings, discs and drums:                            | <b><i>See information folder for details</i></b>                                      |
| 8.1.   | Brake linings                                                               |                                                                                       |
| 8.1.1. | Brake linings tested to all relevant prescriptions of Annex 4:              | <b><i>Yes</i></b>                                                                     |

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|        |                                                                                                  |                                                                                                                                |
|--------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 8.1.2. | Alternative brake linings tested in Annex 15:                                                    | <b>N/A</b>                                                                                                                     |
| 8.2.   | Brake discs and drums                                                                            |                                                                                                                                |
| 8.2.1. | Identification code of brake discs covered by the braking system approval:                       | <b><i>See information folder for details</i></b>                                                                               |
| 8.2.2. | Identification code of brake drums covered by the braking system approval:                       | <b><i>See information folder for details</i></b>                                                                               |
| 9.     | In the case of a power driven vehicle                                                            |                                                                                                                                |
| 9.1.   | Engine type:                                                                                     | <b><i>See information folder annex 2 for details</i></b>                                                                       |
| 9.2.   | Number and ratios of gears:                                                                      | <b><i>See information folder annex 3 for details</i></b>                                                                       |
| 9.3.   | Final drive ratio:                                                                               | <b><i>See information folder annex 3 for details</i></b>                                                                       |
| 9.4.   | If applicable, maximum mass of trailer which may be coupled:                                     |                                                                                                                                |
| 9.4.1. | Full trailer:                                                                                    | <b><i>See information folder annex 1 for details</i></b>                                                                       |
| 9.4.2. | Semi-trailer:                                                                                    | <b>N/A</b>                                                                                                                     |
| 9.4.3. | Centre-axle trailer (indicate also the maximum ratio of the coupling overhang to the wheelbase): | <b><i>See information folder annex 1 for details</i></b>                                                                       |
| 9.4.4. | Unbraked trailer:                                                                                | <b>750 kg</b>                                                                                                                  |
| 9.4.5. | Maximum mass of the combination:                                                                 | <b><i>See information folder annex 1 for details</i></b>                                                                       |
| 10.    | Tyre dimensions:                                                                                 | <b><i>See information folder annex 4 for details</i></b>                                                                       |
| 10.1.  | Temporary-use spare wheel/tyre dimensions:                                                       | <b>N/A</b>                                                                                                                     |
| 10.2.  | Vehicle meets the technical requirements of Annex 3 to Regulation No. 64 (yes/no):               | <b>No.</b>                                                                                                                     |
| 11.    | Number and arrangement of axles:                                                                 | <b>5 axles</b>                                                                                                                 |
| 12.    | Brief description of braking equipment:                                                          | <b><i>See information folder for details</i></b>                                                                               |
| 13.    | Mass of vehicle when tested:                                                                     | <b><i>Mass in running order and Technically Permissible maximum laden mass, See test report IT21/0216 – 00 for details</i></b> |

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|          |                                                                                                                                                             |                                                                                            |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 14.      | Results of the tests and vehicle characteristics:                                                                                                           | <i>See test report IT21/0216 – 00 and manufacturer's information document for details.</i> |
| 14.6.    | Braking system(s) used during the Type-II/IIA test:                                                                                                         | <i>Engine brake integrated with retarder</i>                                               |
| 14.7.    | Reaction time and dimensions of flexible pipes:                                                                                                             |                                                                                            |
| 14.7.1.  | Reaction time at the brake actuator:                                                                                                                        | <i>See information folder for details</i>                                                  |
| 14.7.2.  | Reaction time at the control line coupling head:                                                                                                            | <i>See information folder for details</i>                                                  |
| 14.7.3.  | Flexible pipes of tractors for semi-trailers:<br>Reservoir – modulator:<br>internal diameter (mm):<br>Modulator – brake chambers<br>internal diameter (mm): | <i>See information folder for details</i>                                                  |
| 14.8.    | Information required under paragraph 7.3. of annex 10 to this Regulation:                                                                                   | <i>N/A</i>                                                                                 |
| 14.9.    | Vehicle <del>is</del> /is not equipped to tow a trailer with electrical braking systems:                                                                    | <i>Is not</i>                                                                              |
| 14.10.   | Vehicle <del>is/is not</del> equipped with an anti-lock system:                                                                                             | <i>Is</i>                                                                                  |
| 14.10.1. | Category of anti-lock system:                                                                                                                               | <i>Category 1/2/3<br/>Category <del>A/B</del></i>                                          |
| 14.10.2. | The vehicle fulfils the requirements of annex 13:                                                                                                           | <i>Yes</i>                                                                                 |
| 14.10.3. | Vehicle <del>is/is not</del> equipped to tow trailers equipped with anti-lock systems:                                                                      | <i>Is</i>                                                                                  |
| 14.10.4. | Where an annex 19 test report has been utilised, the test report number(s) shall be stated:                                                                 | <i>N/A</i>                                                                                 |
| 14.11.   | The vehicle is subject to the requirements of annex 5 (ADR):                                                                                                | <i>Yes</i>                                                                                 |
| 14.11.1. | The vehicle fulfils the endurance braking performance requirements according to the Type-IIA test up to a total maximum mass of ..... tonnes:               | <i>N/A</i>                                                                                 |
| 14.11.2. | The power driven vehicle is fitted with a control device for the endurance braking system on the trailer:                                                   | <i>N/A</i>                                                                                 |
| 14.11.3. | In the case of trailers, the vehicle is equipped with an endurance braking system:                                                                          | <i>No</i>                                                                                  |

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|          |                                                                                                               |                  |
|----------|---------------------------------------------------------------------------------------------------------------|------------------|
| 14.12.   | Vehicle is equipped with a control line(s) according to paragraphs <del>5.1.3.1.1/5.1.3.1.2/5.1.3.1.3</del> : | <b>5.1.3.1.2</b> |
| 14.13.   | Adequate documentation according to annex 18 was supplied in respect of the following systems:                | <b>Yes</b>       |
| 14.14.   | The vehicle is equipped with a vehicle stability function:                                                    | <b>Yes</b>       |
|          | If yes:                                                                                                       |                  |
|          | The vehicle stability function has been tested according to and fulfils the requirements of Annex 21:         | <b>Yes</b>       |
|          | Vehicle stability function is optional equipment:                                                             | <b>No</b>        |
|          | Vehicle stability function includes directional control:                                                      | <b>Yes</b>       |
|          | Vehicle stability function includes roll-over control:                                                        | <b>Yes</b>       |
| 14.14.1. | Where an Annex 19 test report has been utilised, the test report number shall be stated:                      | <b>N/A</b>       |
| 14.15.   | The vehicle is equipped with an automated connector: yes/no <sup>2</sup> :                                    | <b>N/A</b>       |
| 14.15.1. | If yes, does the automated connector fulfil the requirements of Annex 22: yes/no <sup>2</sup> :               | <b>N/A</b>       |
| 14.15.2. | The automated connector is of category A/B/C/D2"                                                              | <b>N/A</b>       |
| 15.      | Additional information for use with the annex 20 alternative type approval procedure:                         | <b>N/A</b>       |
| 15.1.    | Description of suspension:                                                                                    | <b>N/A</b>       |
| 15.1.1.  | Manufacturer:                                                                                                 | <b>N/A</b>       |
| 15.1.2.  | Make:                                                                                                         | <b>N/A</b>       |
| 15.1.3.  | Type:                                                                                                         | <b>N/A</b>       |
| 15.1.4.  | Model:                                                                                                        | <b>N/A</b>       |
| 15.2.    | Wheelbase of vehicle tested:                                                                                  | <b>N/A</b>       |
| 15.3.    | Actuation differential (if any) within axle group:                                                            | <b>N/A</b>       |
| 16.      | Trailer approved utilising annex 20 procedure:<br>(If yes, appendix 2 to annex 2 shall be completed)          | <b>N/A</b>       |



Approval No: **E24\*13R11/16\*0105\*00**

17. Vehicle submitted for approval on: **09.03.2021**
18. Technical service responsible for conducting approval tests: **FAKT S.r.l.,  
Via Lithos, 53,  
IT-25086 Rezzato (BS),  
Italy.**
19. Date of report issued by that service: **05.03.2021**
20. Number of report issued by that service: **IT21/0216 - 00**
21. Approval granted/~~refused~~/~~extended~~/~~withdrawn~~: **Granted.**
22. Position of approval mark on the vehicle: **Adhesive plate on the front wall behind  
radiator grill near manufacturer's  
plate (stage 2)**
23. Place: **Dublin.**
24. Date: **11<sup>th</sup> March, 2021**
25. Signature: 
26. The summary referred to in paragraph 4.3. of this Regulation is annexed to this communication.



*\*/ At the request of (an) applicant(s) for Regulation No. 90 approval, the information shall be provided by the Type Approval Authority as contained in Appendix 1 to this annex. However, this information shall not be provided for purposes other than Regulation No. 90 approvals.*



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## **Index to the Information Package**

|                                                                     |                                    |
|---------------------------------------------------------------------|------------------------------------|
| Date of issue:                                                      | <b>11<sup>th</sup> March, 2021</b> |
| Date of latest amendment:                                           | <b>N/A</b>                         |
| Reason for extension/revision:                                      | <b>N/A</b>                         |
| 1. Additional conditions, and advisory notes on legal alternatives. |                                    |
| 2. Test report(s)                                                   |                                    |
| - numbers(s):                                                       | <b>IT21/0216 - 00</b>              |
| - date of issue:                                                    | <b>05.03.2021</b>                  |
| - date of latest amendment:                                         | <b>N/A</b>                         |
| 3. Information document                                             |                                    |
| - number(s):                                                        | <b>ST_5P_MS34Y_13R_00</b>          |
| - date of issue:                                                    | <b>01.02.2021</b>                  |
| - date of latest amendment:                                         | <b>N/A</b>                         |
| Documentation:                                                      | <b>46 pages</b>                    |



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Appendix: **Additional conditions, and advisory notes on legal alternatives**

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.

Test Report No.: IT21/0216 - 00  
UNECE R13-11

Typ: ST 5P MS34Y 13R

Hersteller: S.T. System Truck S.p.A.  
IT-46048 Roverbella (MN)



## Test Report

### No. IT21/0216 Vers. 00

Agreement concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations (Revision 3)

### Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking

UN-R13

of 01.06.1970

as last amended by

series of amendments 11 – Supplement 16

of 29.12.2018

#### Approval status

|                                     |                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Granting of a type approval No. E24*13R11/16*0105*00 (Allocated in advance) |
| <input type="checkbox"/>            | Extension to type approval no. ....                                         |
| <input type="checkbox"/>            | Correction to type approval no. ....                                        |
| <input type="checkbox"/>            | Documentation of test results                                               |

#### Structure of the Test Report:

- 0 : General
- 1 : Test vehicle(s)/-object(s)
- 2 : Test record
- 3 : Enclosures
- 4 : Statement of conformity

Duplication and publishing in extracts of the Test Report is allowed only by written permission of the Test Laboratory.

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Test Report No.: IT21/0216 - 00  
UNECE R13-11

Typ: ST 5P MS34Y 13R

Hersteller: S.T. System Truck S.p.A.  
IT-46048 Roverbella (MN)

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## 0 General

- 0.1 Make : Iveco / System Truck
- 0.2 Type : ST 5P MS34Y 13R
- 0.2.1 Variant(s)/version(s) : See information document - Annex 0.0 and 0.1
- 0.2.2 Commercial name(s) : See information document point 0.2.1.
- 0.3 Category of vehicle : N3
- 0.4 Name and address of the manufacturer : S.T. System Truck S.p.A.  
Via Paesa, 28  
IT-46048 Roverbella (MN)
- 0.4.1 For multi-stage approved vehicles, company name and address of the manufacturer of the base/previous stage(s) vehicle: : Iveco Magirus AG  
DE-89070 Ulm
- 0.5 Information folder :  
Information document
- No : ST\_5P\_MS34Y\_13R\_00
- Date of issue : 01.02.2021
- Date of last change : not applicable
- 0.6 List of modifications : not applicable (basic test report)

## 1 Test vehicle(s)/ - object(s):

### Series of tests A

- 1.1 Description: : representative vehicle
- 1.1.1 Variant: : 4C1622  
Version: : DAAECW13ND2DSNB  
VIN (Stage 1): : WJMJ63MWZMC441917
- 1.1.2 Gear box type: : 12TX 2620 TD  
No. of gears: : 12
- 1.1.3 Number and arrangement of axles: : 5; 1<sup>st</sup> steering / non powered axle  
2<sup>nd</sup> steering / non powered axle  
3<sup>rd</sup> non steering / powered axle  
4<sup>th</sup> non steering / powered axle  
5<sup>th</sup> steering / non powered axle
- 1.1.4 Wheelbase(s): : 1-2: 1875 mm  
2-3: 2375 mm  
3-4: 1395 mm  
4-5: 1410 mm
- 1.1.5 Tyres  
1<sup>st</sup> axle: : 315/80 R22,5 (single)  
2<sup>nd</sup> axle: : 315/80 R22,5 (single)  
3<sup>rd</sup> axle: : 315/80 R22,5 (twin)  
4<sup>th</sup> axle: : 315/80 R22,5 (twin)  
5<sup>th</sup> axle: : 315/80 R22,5 (single)
- 1.1.6 Kind of suspension: : 1<sup>st</sup> mechanical suspension  
2<sup>nd</sup> mechanical suspension  
3<sup>rd</sup> pneumatic suspension  
4<sup>th</sup> pneumatic suspension  
5<sup>th</sup> pneumatic suspension
- 1.1.7 Engine  
Manufacturer: : FPT Industrial S.p.A.  
Type: : F3HGE611A\*N

#### 1.1.8 Brakes

|                                         |                                                                                                                                                                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type and characteristics of the brakes: | : Compressed air brake system with separate circuits for the front, rear, parking and auxiliary equipment, electronically and/or pneumatically controlled.                                                                                                                     |
| Brake lining:                           | : 1 <sup>st</sup> axle: Make: Ferodo - Type: 4550<br>2 <sup>nd</sup> axle: Make: Ferodo - Type: 4550<br>3 <sup>rd</sup> axle: Make: Ferodo - Type: 4550<br>4 <sup>th</sup> axle: Make: Ferodo - Type: 4550<br>5 <sup>th</sup> axle: Make: Ferodo - Type: 4550<br>asbestos free |
| Wheel brake:                            | : 1 <sup>st</sup> axle: brake disk Ø432 mm<br>2 <sup>nd</sup> axle: brake disk Ø432 mm<br>3 <sup>rd</sup> axle: brake disk Ø432 mm<br>4 <sup>th</sup> axle: brake disk Ø432 mm<br>5 <sup>th</sup> axle: brake disk Ø432 mm                                                     |
| Brake Chamber:                          | : 1 <sup>st</sup> axle: 30"<br>2 <sup>nd</sup> axle: 24"<br>3 <sup>rd</sup> axle: 24/24"<br>4 <sup>th</sup> axle: 24/24"<br>5 <sup>th</sup> axle: 14"                                                                                                                          |
| Anti-lock braking system:               | : Category 1                                                                                                                                                                                                                                                                   |
| Service braking system:                 | : Foot operated, air brake with mechanical control.<br>Three circuits: 1 <sup>st</sup> for axles 1+2,<br>2 <sup>nd</sup> for axles 3+4+5.<br>3 <sup>rd</sup> for trailer                                                                                                       |
| Secondary braking system:               | : 2 <sup>nd</sup> circuit of the service braking system                                                                                                                                                                                                                        |
| Parking braking system:                 | : Spring brake, manual control, mechanical actuated on axles 3+4                                                                                                                                                                                                               |

Test Report No.: IT21/0216 - 00  
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Typ: ST 5P MS34Y 13R

Hersteller: S.T. System Truck S.p.A.  
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| 1.1.9 | Mass of vehicle during test(s) | unladen  | laden    |
|-------|--------------------------------|----------|----------|
|       | Total:                         | 12680 kg | 48040 kg |
|       | 1 <sup>st</sup> axle:          | 3860 kg  | 8460 kg  |
|       | 2 <sup>nd</sup> axle:          | 4030 kg  | 8580 kg  |
|       | 3 <sup>rd</sup> axle:          | 1820 kg  | 10680 kg |
|       | 4 <sup>th</sup> axle:          | 1710 kg  | 10730 kg |
|       | 5 <sup>th</sup> axle:          | 1260 kg  | 9590 kg  |
|       | Height of center of gravity:   | 990 mm   | 1520 mm  |

1.1.10 Maximum speed: : 90 km/h

## 2 Test record

2.1 Place of test : series of tests A:  
 IT-Balocco (VC) + IT-Roverbella (MN)

Date of test : series of tests A:  
 18.02.2021 + 05.03.2021

## 2.2 Parameter of the test area

Test track : Asphalt & concrete dry, ceramic tiles wet

Air temperature : series of tests A:  
 12 °C

Velocity of wind : < 2,5m/s

2.3 Equipment for measuring and testing : The equipment on which the tests were carried out, fulfilled the requirements of the above mentioned Regulation.





## 2.4 Test results

### Series of tests A

#### 2.4.1 Test type 0:

| Unladen<br>Engine disconnected | Test speed<br>[km/h] | Braking<br>performance<br>[m/s <sup>2</sup> ] | Force applied to<br>the control<br>[N] |
|--------------------------------|----------------------|-----------------------------------------------|----------------------------------------|
| Service brake                  | 60                   | 5.28                                          | 310                                    |
| Axle 1+2                       | 40                   | 3.31                                          | 320                                    |
| Axle 3+4+5                     | 40                   | 2.80                                          | 420                                    |
| Service brake<br>(@3.0bar)     | 40                   | 4.15                                          | 380                                    |

No abnormal vibration, vehicle keeps lane

| Laden<br>Engine disconnected | Test speed<br>[km/h] | Braking<br>performance<br>[m/s <sup>2</sup> ] | Force applied to<br>the control<br>[N] |
|------------------------------|----------------------|-----------------------------------------------|----------------------------------------|
| Service brake                | 60                   | 5.85                                          | 430                                    |
| Axle 1+2                     | 40                   | 2.50                                          | 350                                    |
| Axle 3+4+5                   | 40                   | 2.56                                          | 310                                    |
| Service brake<br>(@3.0bar)   | 40                   | 4.80                                          | 350                                    |

No abnormal vibration, vehicle keeps lane

| Unladen<br>Engine connected | Test speed<br>[km/h] | Braking<br>performance<br>[m/s <sup>2</sup> ] | Force applied to<br>the control<br>[N] |
|-----------------------------|----------------------|-----------------------------------------------|----------------------------------------|
|                             | 27                   | 5.48                                          | 280                                    |
|                             | 35                   | 5.35                                          | 260                                    |
|                             | 72                   | 5.75                                          | 250                                    |

No abnormal vibration, vehicle keeps lane

| Laden<br>Engine connected | Test speed<br>[km/h] | Braking<br>performance<br>[m/s <sup>2</sup> ] | Force applied to<br>the control<br>[N] |
|---------------------------|----------------------|-----------------------------------------------|----------------------------------------|
|                           | 27                   | 5.38                                          | 270                                    |
|                           | 35                   | 5.25                                          | 260                                    |
|                           | 72                   | 5.30                                          | 330                                    |

No abnormal vibration, vehicle keeps lane

#### 2.4.3 Test type I:

Conditions during the heating : duration of a braking cycle: 60s  
No. of brake cycles: 20  
Initial speed V1: 60km/h  
Final speed V2: 30km/h  
deceleration dm: 3m/s<sup>2</sup>

| Laden                     | Test speed<br>[km/h] | Braking<br>performance<br>[m/s <sup>2</sup> ] | Force applied to<br>the control<br>[N] |
|---------------------------|----------------------|-----------------------------------------------|----------------------------------------|
| Service brake<br>(heated) | 60                   | 5.41                                          | 430                                    |

No abnormal vibration, vehicle keeps lane

#### 2.4.4 Test type II

Equivalent test on track : 1,4 m/s<sup>2</sup>  
Braking system(s) used : Engine brake integrated with retarder

#### 2.4.5 Test type IIA

Equivalent test on track : 1,4 m/s<sup>2</sup>  
Braking system(s) used : Engine brake integrated with retarder

2.4.6 Parking brake : fulfilled

2.4.7 Reaction time : 0,5 ≤ 0,6s (brake actuators)  
0,2 ≤ 0,2s (trailer coupling point – 15%)  
0,3 ≤ 0,4s (trailer coupling point – 75%)

2.4.8 Dimensions of flexible pipes : fulfilled  
(refer to drawing no. 25.01.05.0059)

2.4.9 Charging time of air reservoirs : fulfilled

2.4.10 Spring brake according to Annex 8 : fulfilled

2.4.11 Compatibility between tractor and trailer : fulfilled

#### 2.4.12 ABS according to Annex 13

General requirements : fulfilled

2.4.13 ABS - Energy consumption : Braking performance @ 40km/h at the 5<sup>th</sup> full brake with brakes reservoirs isolated: 4.5 m/s<sup>2</sup>

2.4.14 ABS - Utilization of adhesion :

|          | $k_a$<br>[ $\geq 0,5$ ] | $k_b$<br>[ $\leq 0,3$ ] | $k_a/k_b$<br>[ $\geq 2,0$ ] |
|----------|-------------------------|-------------------------|-----------------------------|
| Laden:   | 0.63                    | 0.09                    | 6.9                         |
| Unladen: | 0.56                    | 0.15                    | 3.4                         |

|          | Low grip surface<br>$\epsilon$<br>[ $\geq 0,75$ ] | High grip surface<br>$\epsilon$<br>[ $\geq 0,75$ ] |
|----------|---------------------------------------------------|----------------------------------------------------|
| Laden:   | 0.81                                              | 0.82                                               |
| Unladen: | 0.77                                              | 0.79                                               |

2.4.15 ABS - Additional checks : fulfilled

2.4.16 ABS - Residual braking performance in event of failure within the electric control transmission :

|          | Test speed<br>[km/h] | Braking performance<br>[m/s <sup>2</sup> ] | Force applied to the control<br>[N] |
|----------|----------------------|--------------------------------------------|-------------------------------------|
| Laden:   | 40                   | 5.67                                       | 300                                 |
| Unladen: | 40                   | 2.51                                       | 210                                 |

2.4.17 The vehicle fulfils the requirements of Annex 13 : yes

2.4.18 Vehicle equipped to tow trailers equipped with anti-lock systems : yes

2.4.19 The vehicle is subject to the requirements of Annex 5 (ADR) : yes

2.4.20 Vehicle is equipped with a control line(s) according to : paragraphs ~~5.1.3.1.1.~~ / 5.1.3.1.2. / ~~5.1.3.1.3.~~

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Test Report No.: IT21/0216 - 00  
UNECE R13-11

Typ: ST 5P MS34Y 13R

Hersteller: S.T. System Truck S.p.A.  
IT-46048 Roverbella (MN)

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- 2.4.21 The vehicle is equipped with a vehicle stability function : yes  
Directional control and roll-over control in combination with brake activation and engine power output control
- vehicle stability function according to Annex 21: : fulfilled  
Test method: demonstration by dynamic manoeuvres and comparison of the vehicle behaviour with enabled and disabled vehicle stability function
- Vehicle stability function is optional equipment : no
- Vehicle stability function includes directional control : yes
- Vehicle stability function includes roll-over control : yes
- 2.5 Remarks : Tests according to points 2.4.7, 2.4.8 and 2.4.9 of this test report have been carried out considering the maximum permissible wheel-bases and the maximum permissible length of the pipes.

### 3 Enclosures:

1. Further enclosures (including information documents) : Information folder/Information document  
ST\_5P\_MS34Y\_13R\_00

Test Report No.: IT21/0216 - 00  
UNECE R13-11

Typ: ST 5P MS34Y 13R

Hersteller: S.T. System Truck S.p.A.  
IT-46048 Roverbella (MN)



#### 4 Statement of conformity:

The information folder as mentioned under No. 0.5 and the type described therein are - i n c o m p l i a n c e - with the Test Specification mentioned above.

For the present type, the selected test vehicles together with the information documents of remaining variant/version, is representative.

The tests have been carried out, considering the relevant requirements of ISO/IEC 17025:2017.

This report includes pages 1 to 10.  
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#### TEST LABORATORY

Rezzato, 05.03.2021  
aa/ah

File No.:



PR-20/0634

  
A. Adami  
Test engineer



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Tel: +39-030-2592700  
Fax: +39-030-2590395



## INDICE DEL FASCICOLO DI OMOLOGAZIONE INDEX TO THE INFORMATION PACKAGE

|                                                                 |                                    |                                         |     |            |
|-----------------------------------------------------------------|------------------------------------|-----------------------------------------|-----|------------|
| Veicolo:                                                        | Autotelaio per autoveicolo         |                                         |     |            |
| Vehicle:                                                        | Chassis without bodywork           |                                         |     |            |
| Categoria del veicolo:                                          | N3                                 |                                         |     |            |
| Category of vehicle:                                            |                                    |                                         |     |            |
| Nome e indirizzo del costruttore:                               | (fase 1)                           | Iveco Magirus AG                        |     |            |
| Name and address of manufacturer:                               | (stage 1)                          | D-89070 Ulm                             |     |            |
|                                                                 | (fase 2)                           | S.T. System Truck S.p.A.                |     |            |
|                                                                 | (stage 2)                          | I-46048 Roverbella (MN) - Via Paesa, 28 |     |            |
| Nome e indirizzo dell'eventuale rappresentante del costruttore: | non ricorre                        |                                         |     |            |
| Name and address of the manufacturer's representative (if any): | not applicable                     |                                         |     |            |
| Nome e indirizzo del trasformatore:                             | (fase 2)                           | S.T. System Truck S.p.A.                |     |            |
| Name and address of converter:                                  | (stage 2)                          | I-46048 Roverbella (MN) - Via Paesa, 28 |     |            |
| Marca (denominazione commerciale del costruttore):              | Iveco / System Truck               |                                         |     |            |
| Make (trade name of manufacturer):                              |                                    |                                         |     |            |
| Tipo:                                                           | ST 5P MS34Y 13R                    |                                         |     |            |
| Type:                                                           |                                    |                                         |     |            |
| Denominazione commerciale:                                      | AD/AT/AS 350X, ...ZY/PS, ...HR     |                                         |     |            |
| Commercial description:                                         | AD/AT/AS 360X, ...Z, ...Z/P, ...HR |                                         |     |            |
|                                                                 |                                    |                                         |     |            |
| Scheda informativa:                                             | ST_5P_MS34Y_13R_00                 |                                         | del | 01.02.2021 |
| Information document:                                           |                                    |                                         | of  |            |
| Chiave interpretazione varianti e versioni                      | ST_5P_MS34Y_13R_00                 | allegato 0.0                            | del | 01.02.2021 |
| Variants and versions explanation key                           |                                    | annex 0.0                               | of  |            |
| Possibili combinazioni (tipo / varianti / versioni)             | ST_5P_MS34Y_13R_00                 | allegato 0.1                            | del | 01.02.2021 |
| Permissible combinations (type / variants / versions)           |                                    | annex 0.1                               | of  |            |
| Masse e dimensioni                                              | ST_5P_MS34Y_13R_00                 | allegato 1                              | del | 01.02.2021 |
| Masses and dimensions                                           |                                    | annex 1                                 | of  |            |
| Motopropulsore                                                  | ST_5P_MS34Y_13R_00                 | allegato 2                              | del | 01.02.2021 |
| Power plant                                                     |                                    | annex 2                                 | of  |            |
| Trasmissione                                                    | ST_5P_MS34Y_13R_00                 | allegato 3                              | del | 01.02.2021 |
| Transmission                                                    |                                    | annex 3                                 | of  |            |
| Sospensione                                                     | ST_5P_MS34Y_13R_00                 | allegato 4                              | del | 01.02.2021 |
| Suspension                                                      |                                    | annex 4                                 | of  |            |
|                                                                 |                                    |                                         |     |            |
| Disegni allegati:                                               |                                    |                                         |     |            |
| Attachment drawings:                                            |                                    |                                         |     |            |
| disegno complessivo:                                            | 55.01.00.0124                      | rev. 0                                  | del | 10.02.2020 |
| overall drawing:                                                |                                    | rev. 0                                  | of  |            |
| disegno asse aggiunto:                                          | 7189470                            | ---                                     | del | 20.10.2006 |
| added axle drawing:                                             |                                    | ---                                     | of  |            |
| disegno asse aggiunto:                                          | S08C072752                         | rev. 00                                 | del | 09.02.2016 |
| added axle drawing:                                             |                                    | rev. 00                                 | of  |            |
| disegno asse aggiunto:                                          | S08C101628                         | rev. 01                                 | del | 19.05.2010 |
| added axle drawing:                                             |                                    | rev. 01                                 | of  |            |
| disegno sospensione asse aggiunto:                              | 10.01.00.0036                      | rev. 0                                  | del | 30.01.2017 |
| added axle suspension drawing:                                  |                                    | rev. 0                                  | of  |            |
| disegno sospensione asse aggiunto:                              | 10.01.00.0049                      | rev. 0                                  | del | 07.02.2019 |
| added axle suspension drawing:                                  |                                    | rev. 0                                  | of  |            |
| schema impianto frenante:                                       | 25.01.05.0059                      | rev. 3                                  | del | 17.02.2021 |
| brake system layout:                                            |                                    | rev. 3                                  | of  |            |

pinza freno 5° asse:  
*brake pad of 5<sup>th</sup> axle:*

Z002709

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del  
*of*

03.05.2002

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### INDICE INDEX

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### 0. DATI GENERALI GENERAL

- 0.1. Marca (denominazione commerciale del costruttore):  
*Make (trade name of manufacturer):* Iveco / System Truck  
*Iveco / System Truck*
- 0.2. Tipo:  
*Type:* ST 5P MS34Y 13R  
*ST 5P MS34Y 13R*
- Varianti:  
*Variants:* vedere allegato n° 0.0  
*see annex Nr. 0.0*
- Versioni:  
*Versions:* vedere allegato n° 0.0  
*see annex Nr. 0.0*
- 0.3. Mezzi di identificazione del tipo, se marcati sul veicolo:  
*Means of identification of type, if marked on the vehicle:* su targhetta costruttore  
*on manufacturer plate*
- 0.3.1. Posizione della marcatura:  
*Location of that marking:* su targhetta costruttore  
*on manufacturer plate*
- 0.4. Categoria del veicolo:  
*Category of vehicle:* N3
- 0.5. Nome della società e indirizzo del costruttore:  
*Company name and address of manufacturer:* S.T. System Truck S.p.A.  
I-46048 Roverbella (MN) - Via Paesa, 28
- 0.5.1. Per i veicoli omologati in più fasi, ragione sociale e indirizzo del fabbricante del veicolo nella fase iniziale / precedente:  
*For multi-stage approved vehicles, company name and address of the manufacturer of the base / previous stage(s) vehicle:* Iveco Magirus AG  
D-89070 Ulm
- 0.8. Denominazione/i e indirizzo/i dello/gli stabilimento/i di montaggio:  
*Name(s) and address(es) of assembly plant(s):* S.T. System Truck S.p.A.  
I-46048 Roverbella (MN) - Via Paesa, 28
- 0.9. Denominazione e indirizzo dell'(eventuale) rappresentante del costruttore:  
*Name and address of the manufacturer's representative (if any):* non ricorre  
*not applicable*

### 1. CARATTERISTICHE COSTRUTTIVE GENERALI DEL VEICOLO GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE

- 1.1. Fotografie e/o disegni di un veicolo rappresentativo: 55.01.00.0124 rev. 0 del 10.02.2020  
*Photographs and/or drawings of a representative vehicle:* 55.01.00.0124 rev. 0 of 10.02.2020



Fotografia ¾ anteriore  
*Photo ¾ front*



Fotografia ¾ posteriore  
*Photo ¾ rear*

- 1.3. Numero di assi e di ruote:  
*Number of axles and wheels:* 5 assi, 14 ruote  
5 axles, 14 wheels
- 1.3.1. Numero e posizione degli assi a ruote gemellate:  
*Number and position of axles with twin wheels:* 2 assi, 3° e 4° asse  
2 axles, 3<sup>rd</sup> and 4<sup>th</sup> axle



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|          |                                                                                                                                                                                                                                                                                                                                          |                                                                                    |                                                                   |                                                                           |                                            |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------|
| 1.3.3.   | Assi motore (numero, posizione, interconnessione):<br><i>Powered axles (number, position, interconnection):</i>                                                                                                                                                                                                                          | 2<br>2                                                                             | assi,<br>axles,                                                   | 3° e 4° asse<br><i>3<sup>rd</sup> and 4<sup>th</sup> axle</i>             | albero di trasm.<br><i>propeller shaft</i> |
| 1.8.     | Lato di guida:<br><i>Hand of drive:</i>                                                                                                                                                                                                                                                                                                  | a sinistra<br><i>left</i>                                                          | oppure<br><i>or</i>                                               | a destra<br><i>right</i>                                                  |                                            |
| 1.8.1.   | Il veicolo è predisposto per la circolazione stradale:<br><i>Vehicle is equipped to be driven in:</i>                                                                                                                                                                                                                                    | a destra<br><i>right hand traffic</i>                                              | oppure<br><i>or</i>                                               | a sinistra<br><i>left hand traffic</i>                                    |                                            |
| 2.       | <b>MASSE E DIMENSIONI</b> (in kg e mm)<br><b>MASSES AND DIMENSIONS</b> (in kg and mm)<br>(eventualmente con riferimento ai disegni)<br>(refer to drawing where applicable)                                                                                                                                                               |                                                                                    |                                                                   |                                                                           |                                            |
| 2.1.     | Interasse o interassi (a pieno carico)<br><i>Wheelbase(s) (fully loaded)</i>                                                                                                                                                                                                                                                             |                                                                                    |                                                                   |                                                                           |                                            |
| 2.1.1.   | Veicoli a 2 assi:<br><i>Two axle vehicles:</i>                                                                                                                                                                                                                                                                                           |                                                                                    | non ricorre<br><i>not applicable</i>                              |                                                                           |                                            |
| 2.1.2.   | Veicoli a 3 o più assi:<br><i>Vehicles with three or more axles:</i>                                                                                                                                                                                                                                                                     |                                                                                    | ricorre<br><i>applicable</i>                                      |                                                                           |                                            |
| 2.1.2.1. | Distanza tra assi consecutivi, da quello in posizione più avanzata a quello in posizione più arretrata:<br><i>Axle spacing between consecutive axles going from the foremost to the rearmost axle:</i>                                                                                                                                   |                                                                                    | vedere allegato n°<br><i>see annex Nr. 1</i>                      | 1                                                                         |                                            |
| 2.1.2.2. | Distanza totale tra gli assi:<br><i>Total axle spacing:</i>                                                                                                                                                                                                                                                                              |                                                                                    | vedere allegato n° 1<br><i>see annex Nr. 1</i>                    |                                                                           |                                            |
| 2.2.     | Ralla<br><i>Fifth wheel</i>                                                                                                                                                                                                                                                                                                              |                                                                                    |                                                                   |                                                                           |                                            |
| 2.2.2.   | Veicoli trattori di semirimorchi:<br><i>In case of semi-trailer towing vehicles:</i>                                                                                                                                                                                                                                                     |                                                                                    | non ricorre<br><i>not applicable</i>                              |                                                                           |                                            |
| 2.3.1.   | Carreggiata di ciascun asse sterzante:<br><i>Track of each steered axle:</i>                                                                                                                                                                                                                                                             | 1° e 2°: 2040 ÷ 2140 mm<br><i>1<sup>st</sup> and 2<sup>nd</sup> 2040 ÷ 2140 mm</i> |                                                                   | 5°: 2038, 2045 o 2309 mm<br><i>5<sup>th</sup> : 2038, 2045 or 2309 mm</i> |                                            |
| 2.3.2.   | Carreggiata di tutti gli altri assi:<br><i>Track of all other axles:</i>                                                                                                                                                                                                                                                                 | 3° e 4°: 1818 ÷ 1843 mm<br><i>3<sup>rd</sup> and 4<sup>th</sup> 1818 ÷ 1843 mm</i> |                                                                   |                                                                           |                                            |
| 2.5.     | Massa minima sugli assi sterzanti dei veicoli incompleti:<br><i>Minimum mass on the steering axle(s) for incomplete vehicles:</i>                                                                                                                                                                                                        | 7890 kg<br>7890 kg                                                                 | (1° e 2° asse)<br><i>(1<sup>st</sup> and 2<sup>nd</sup> axle)</i> |                                                                           |                                            |
| 2.6.     | Massa in ordine di marcia<br><i>Mass in running order</i>                                                                                                                                                                                                                                                                                |                                                                                    |                                                                   |                                                                           |                                            |
|          | a) massima e minima per ogni variante:<br><i>a) maximum and minimum for each variant:</i>                                                                                                                                                                                                                                                |                                                                                    | vedere allegato n° 1<br><i>see annex Nr. 1</i>                    |                                                                           |                                            |
|          | b) massa di ciascuna versione (deve essere fornita una matrice):<br><i>b) mass of each version (a matrix must be provided):</i>                                                                                                                                                                                                          |                                                                                    | vedere allegato n° 1<br><i>see annex Nr. 1</i>                    |                                                                           |                                            |
| 2.6.1.   | Distribuzione di tale massa tra gli assi e, nel caso di un semirimorchio o di un rimorchio ad asse centrale o a timone rigido, massa gravante sul punto di aggancio:<br><i>Distribution of this mass among the axles and, in the case of a semi-trailer, a rigid drawbar trailer or a centre-axle trailer, the mass on the coupling:</i> |                                                                                    |                                                                   |                                                                           |                                            |
|          | a) massima e minima per ogni variante:<br><i>a) maximum and minimum for each variant:</i>                                                                                                                                                                                                                                                |                                                                                    | vedere allegato n° 1<br><i>see annex Nr. 1</i>                    |                                                                           |                                            |
|          | b) massa di ciascuna versione (deve essere fornita una matrice):<br><i>b) mass of each version (a matrix must be provided):</i>                                                                                                                                                                                                          |                                                                                    | vedere allegato n° 1<br><i>see annex Nr. 1</i>                    |                                                                           |                                            |



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- 2.6.2. Massa dei dispositivi opzionali [come definito all'articolo 2, punto 5, del regolamento (UE) n. 1230/2012]:  
*Mass of the optional equipment (as defined in point (5) of Article 2 of Regulation (EU) No 1230/2012:* non ricorre  
*not applicable*
- 2.7. Massa minima del veicolo completo dichiarata dal costruttore, nel caso di un veicolo incompleto:  
*Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:* 12680 kg  
12680 kg
- 2.8. Massa massima a pieno carico tecnicamente ammissibile dichiarata dal costruttore:  
*Technically permissible maximum laden mass stated by the manufacturer:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.8.1. Distribuzione di tale massa tra gli assi e, per semirimorchi o rimorchi ad asse centrale, carico gravante sul punto di traino:  
*Distribution of this mass among the axles and, in the case of a semi-trailer or centre-axle trailer, load on the coupling point:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.9. Carico/massa massima tecnicamente ammissibile su ciascun asse:  
*Technically permissible maximum mass on each axle:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.10. Massa tecnicamente ammissibile su ciascun gruppo di assi:  
*Technically permissible mass on each group of axles:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.11. Massa massima rimorchiabile tecnicamente ammissibile del veicolo trainante in caso di  
*Technically permissible maximum towable mass of the towing vehicle in case of*
- 2.11.1. Rimorchio a timone:  
*Drawbar trailer:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.11.2. Semirimorchio:  
*Semi-trailer:* non ricorre  
*not applicable*
- 2.11.3. Rimorchio ad asse centrale:  
*Centre-axle trailer:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.11.4. Rimorchio a timone rigido:  
*Rigid drawbar trailer:* vedere punto 2.11.3.  
*see point 2.11.3.*
- 2.11.5. Massa massima tecnicamente ammissibile a pieno carico del veicolo combinato:  
*Technically permissible maximum laden mass of the combination:* vedere allegato n° 1  
*see annex Nr. 1*
- 2.11.6. Massa massima del rimorchio non frenato:  
*Maximum mass of unbraked trailer:* 750 kg  
750 kg
- 2.12. Massa massima tecnicamente ammissibile sul punto di aggancio  
*Technically permissible maximum mass at the coupling point*
- 2.12.1. - di un veicolo trainante:  
*- of a towing vehicle:* 1000 kg  
1000 kg
- 2.12.2. - di un semirimorchio, un rimorchio ad asse centrale o un rimorchio a timone rigido:  
*- of a semi-trailer, a centre-axle trailer or a rigid drawbar trailer:* non ricorre  
*not applicable*
3. **CONVERTITORE DELL'ENERGIA DI PROPULSIONE  
PROPULSION ENERGY CONVERTER**
- 3.1. Costruttore del convertitore o dei convertitori dell'energia di propulsione: FPT Industrial S.p.A.



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|            |                                                                                                                                                                                                                                 |                                                     |                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------|
|            | Manufacturer of the propulsion energy converter(s):                                                                                                                                                                             | FPT Industrial S.p.A.                               |                             |
| 3.1.1      | Codice del costruttore (apposto sul convertitore dell'energia di propulsione, o altri mezzi di identificazione):<br><i>Manufacturer's code (as marked on the propulsion energy converter or other means of identification):</i> | vedere allegato n°<br><i>see annex Nr. 2</i>        | 2                           |
| 3.2.       | Motore a combustione interna<br><i>Internal combustion engine</i>                                                                                                                                                               |                                                     |                             |
| 3.2.1.1.   | Principio di funzionamento:<br><i>Working principle:</i>                                                                                                                                                                        | accensione spontanea<br><i>compression ignition</i> |                             |
|            | Ciclo:<br><i>Cycle:</i>                                                                                                                                                                                                         | quattro tempi<br><i>four stroke</i>                 |                             |
| 3.2.1.3.   | Cilindrata:<br><i>Engine capacity:</i>                                                                                                                                                                                          | vedere allegato n° 2<br><i>see annex Nr. 2</i>      |                             |
| 3.2.1.6.   | Regime minimo normale:<br><i>Normal engine idling speed:</i>                                                                                                                                                                    | 550 ± 50                                            | min <sup>-1</sup>           |
| 3.2.1.6.2. | Minimo in modalità diesel:<br><i>Idle on diesel:</i>                                                                                                                                                                            | sì<br><i>yes</i>                                    |                             |
| 3.2.1.9.   | Regime massimo ammesso dichiarato dal costruttore:<br><i>Maximum permitted speed as prescribed by the manufacturer:</i>                                                                                                         | vedere allegato n° 2<br><i>see annex Nr. 2</i>      |                             |
| 3.2.5.     | Impianto elettrico<br><i>Electrical system</i>                                                                                                                                                                                  |                                                     |                             |
| 3.2.5.1.   | Tensione nominale:<br><i>Rated voltage:</i>                                                                                                                                                                                     | 24 V, terminale a massa:<br><i>V, ground:</i>       | negativo<br><i>negative</i> |
| 3.2.5.2.   | Generatore<br><i>Generator</i>                                                                                                                                                                                                  |                                                     |                             |
| 3.2.5.2.1. | Tipo:<br><i>Type:</i>                                                                                                                                                                                                           | Alternatore<br><i>Alternator</i>                    |                             |
| 3.2.5.2.2. | Potenza nominale:<br><i>Nominal output:</i>                                                                                                                                                                                     | 840 ÷ 3360 VA                                       |                             |
| 3.3.       | Macchina elettrica<br><i>Electric machine</i>                                                                                                                                                                                   |                                                     |                             |
| 3.3.1.     | Tipo (avvolgimento, eccitazione):<br><i>Type (winding, excitation):</i>                                                                                                                                                         | non ricorre<br><i>not applicable</i>                |                             |
| 3.3.1.1.   | Potenza oraria massima:<br><i>Maximum hourly output:</i>                                                                                                                                                                        | non ricorre<br><i>not applicable</i>                |                             |
| 3.3.1.2.   | Tensione di esercizio:<br><i>Operating voltage:</i>                                                                                                                                                                             | non ricorre<br><i>not applicable</i>                |                             |
| 3.3.2.     | REESS<br><i>REESS</i>                                                                                                                                                                                                           |                                                     |                             |
| 3.3.2.2.   | Massa:<br><i>Mass:</i>                                                                                                                                                                                                          | non ricorre<br><i>not applicable</i>                |                             |
| 3.3.2.4.   | Ubicazione:<br><i>Position:</i>                                                                                                                                                                                                 | non ricorre<br><i>not applicable</i>                |                             |
| 3.4.       | Altri motori o propulsori o loro combinazioni (indicazione degli elementi di questi tipi di motori):<br><i>Other engines or motors or combinations thereof (particulars regarding the parts of such engines or motors):</i>     | non ricorre<br><i>not applicable</i>                |                             |
| 4.         | <b>TRASMISSIONE</b><br><b>TRANSMISSION</b>                                                                                                                                                                                      |                                                     |                             |



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4.2. Tipo (meccanica, idraulica, elettrica, ecc.):  
Type (mechanical, hydraulic, electric,...):

meccanica  
mechanical

4.6. Rapporti di trasmissione:  
Gear ratios:

manuale, vedere allegato n° 3  
manual, see annex Nr. 3

| Marcia<br><br>Gear                                                                                                                                    | Rapporti del cambio<br>(rapporti tra il numero<br>di giri dell'albero motore<br>e quelli dell'albero se-<br>condario del cambio)<br>Internal gearbox ratios<br>(ratios of engine to gearbox<br>output shaft revolutions) | Rapporto(i) finale/i<br>(rapporto tra il numero<br>di giri dell'albero secon-<br>dario e quelli delle ruo-<br>te motrici)<br>Final drive ratio(s)<br>(ratio of gearbox output<br>shaft to driven wheel revolutions) | Rapporti totali<br>di trasmissione<br><br>Total gear ratios |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Massimo per cambio<br>continuo<br>Maximum for CVT<br>1<br>2<br>3<br>...<br>Minimo per cambio<br>continuo<br>Minimum for CVT<br>Retromarcia<br>Reverse |                                                                                                                                                                                                                          |                                                                                                                                                                                                                     |                                                             |

4.7. Velocità massima di progetto del veicolo:  
Maximum vehicle design speed:

max 90 km/h con limitatore di velocità  
max 90 km/h with speed limiting device

### 5. ASSI AXLES

5.4. Posizione dello/gli asse/i sollevabile/i:  
Position of retractable axle(s):

5° asse  
5<sup>th</sup> axle

5.5. Posizione dello/gli asse/i scaricabile/i:  
Position of loadable axle(s):

5° asse  
5<sup>th</sup> axle

### 6. ORGANI DI SOSPENSIONE SUSPENSION

6.1. Disegno dei dispositivi di sospensione:  
Drawing of the suspension arrangements:

1° asse: originale Iveco  
1<sup>st</sup> axle: original Iveco

2° asse: originale Iveco  
2<sup>nd</sup> axle: original Iveco

3° asse: originale Iveco  
3<sup>rd</sup> axle: original Iveco

4° asse: originale Iveco  
4<sup>th</sup> axle: original Iveco

5° asse: vedere allegato n° 4  
5<sup>th</sup> axle: see annex Nr. 4

6.2. Tipo e modello della sospensione di ciascun asse o ruota:  
Type and design of the suspension of each axle or wheel:

1°: sospensione meccanica, ammortizzatori idraulici  
leaf suspension, hydraulic shock absorbers

2°: sospensione meccanica, ammortizzatori idraulici  
leaf suspension, hydraulic shock absorbers

3°: sospensione pneumatica, ammortizzatori idraulici  
air suspension, hydraulic shock absorbers



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4°: sospensione pneumatica, ammortizzatori idraulici  
*air suspension, hydraulic shock absorbers*

5°: sospensione pneumatica, ammortizzatori idraulici  
*air suspension, hydraulic shock absorbers*

### 6.6. Pneumatici e ruote *Tyres and wheels*

#### 6.6.1. Combinazione/i pneumatico/cerchione: *Tyre / wheel combination(s):*

a) per gli pneumatici indicare la designazione della misura, l'indice della capacità di carico, il simbolo della categoria di velocità ed eventualmente la resistenza al rotolamento ai sensi della norma ISO 28580

*a) for tyres indicate size designation, load-capacity index, speed category symbol, rolling resistance in accordance with ISO 28580 (where applicable)*

b) per le ruote, indicare dimensioni del cerchione e dati della campanatura

*b) for wheels indicate rim size(s) and off-set(s)*

#### 6.6.1.1. Assi *Axels*

6.6.1.1.1. Asse 1:  
*Axle 1:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.1.1.2. Asse 2:  
*Axle 2:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.1.1.3. Asse 3:  
*Axle 3:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.1.1.4. Asse 4:  
*Axle 4:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.1.1.5. Asse 5:  
*Axle 5:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.1.2. Ruota di scorta (se disponibile):  
*Spare wheel, if any:* vedere punto 6.6.1.1.  
*see point 6.6.1.1.*

#### 6.6.2. Limiti superiori e inferiori del raggio di rotolamento: *Upper and lower limits of rolling radii:*

6.6.2.1. Asse 1:  
*Axle 1:* vedere allegato n° 4  
*see annex Nr. 4*

6.6.2.2. Asse 2:  
*Axle 2:* vedere punto 6.6.2.1.  
*see point 6.6.2.1.*

6.6.2.3. Asse 3:  
*Axle 3:* vedere punto 6.6.2.1.  
*see point 6.6.2.1.*

6.6.2.4. Asse 4:  
*Axle 4:* vedere punto 6.6.2.1.  
*see point 6.6.2.1.*

6.6.2.5. Asse 5:  
*Axle 5:* vedere punto 6.6.2.1.  
*see point 6.6.2.1.*

#### 6.6.3. Pressione/i degli pneumatici raccomandata/e dal costruttore del veicolo: *Tyre pressure(s) as recommended by the vehicle manufacturer:*

6.6.3.1. 1° asse:  
*1<sup>st</sup> axle:* 850 ÷ 900 kPa



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| 6.6.3.2. | 2° asse:<br>2 <sup>nd</sup> axle: | 850 ÷ 900 | kPa |
| 6.6.3.3. | 3° asse:<br>3 <sup>rd</sup> axle: | 850 ÷ 900 | kPa |
| 6.6.3.4. | Asse 4:<br>Axle 4:                | 850 ÷ 900 | kPa |
| 6.6.3.5. | Asse 5:<br>Axle 5:                | 850 ÷ 900 | kPa |

|        |                                                                                                                                       |                                      |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 6.6.5. | Breve descrizione dell'eventuale unità di scorta per uso temporaneo:<br><i>Brief description of temporary-use spare unit, if any:</i> | non ricorre<br><i>not applicable</i> |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|

### 8. FRENI BRAKES

- 8.1. Tipo e caratteristiche dei freni, conformemente al punto 2.6 del Regolamento UNECE 13) con uno schema dimensionale inclusi dati e disegni dei tamburi, dei dischi, dei tubi, marca e tipo delle ganasce/pastiglie e/o guarnizioni, superfici frenanti effettive, raggio dei tamburi, delle ganasce o dei dischi, massa dei tamburi, dei dispositivi di regolazione, delle parti interessate dello/gli asse/i e della sospensione):  
*Type and characteristics of the brakes as defined in point 2.6 of Regulation UNECE 13 including details and drawings of the drums, discs, hoses make and type of shoe/pad assemblies and/or linings, effective braking areas, radius of drums, shoes or discs, mass of drums, adjustment devices, relevant parts of the axle(s) and suspension:*

1° asse: invariato rispetto al veicolo base  
1<sup>st</sup> axle: - brake chamber: 30" opp. 30/14"  
- guarnizioni freni: Ferodo 4550 (IS 25)  
*unchanged, respect to stage I vehicle*  
- brake chamber: 30" or 30/14"  
- brake linings: Ferodo 4550 (IS 25)

2° asse: invariato rispetto al veicolo base  
2<sup>nd</sup> axle: - brake chamber: 24"  
- guarnizioni freni: Ferodo 4550 (IS 25)  
*unchanged, respect to stage I vehicle*  
- brake chamber: 24"  
- brake linings: Ferodo 4550 (IS 25)

3° asse: invariato rispetto al veicolo base  
3<sup>rd</sup> axle: - brake chamber: 24/24"  
- guarnizioni freni: Ferodo 4550 (IS 25)  
*unchanged, respect to stage I vehicle*  
- brake chamber: 24/24"  
- brake linings: Ferodo 4550 (IS 25)

4° asse: invariato rispetto al veicolo base  
4<sup>th</sup> axle: - brake chamber: 24/24"  
- guarnizioni freni: Ferodo 4550 (IS 25)  
*unchanged, respect to stage I vehicle*  
- brake chamber: 24/24"  
- brake linings: Ferodo 4550 (IS 25)

5° asse: freni a disco  
5<sup>th</sup> axle: - brake chamber: 14"  
- guarnizioni freni: Ferodo 4550 (IS 25)





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|        |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                                                                                                                                                                                                                                                                                                                                                              | <i>disc brake</i><br>- <i>brake chamber: 14"</i><br>- <i>brake linings: Ferodo 4550 (IS 25)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.2.   | Curva di funzionamento, descrizione e/o disegno dei sistemi di frenatura descritti al punto 2.3 del Regolamento UNECE 13, compresi dati e disegni della trasmissione e dei dispositivi di comando:<br><i>Operating diagram, description and/or drawing of the braking systems described in point 2.3 of Regulation UNECE 13 including details and drawings of the transmission and controls:</i>             | invariato rispetto al veicolo base, con omologazione:<br>E3 13R-11 6873 00 del 25.05.2017<br>aggiornata all'estensione: E3*13R11/14*6873*03 del 05.06.2018<br><i>unchanged, respect to stage I vehicle, with approval: E3 13R-11 6873 00 of 25.05.2017 updated by extension E3*13R11/14*6873*03 of 05.06.2018</i>                                                                                                                                                                                                                                                                                     |
| 8.2.1. | Sistema di frenatura di servizio:<br><i>Service braking system:</i>                                                                                                                                                                                                                                                                                                                                          | pneumatico a pedale su tutte le ruote, con tre circuiti indipendenti: uno per il 1° e 2° asse, uno per il 3°, 4° e 5° asse ed uno per il rimorchio oppure a due circuiti indipendenti: uno per il 1° e 2° asse ed uno per il 3°, 4° e 5° asse<br><i>pneumatic (compressed air) with three independent circuits: one on axles 1<sup>st</sup> and 2<sup>nd</sup>, one on axles 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> and one for trailer or two independent circuits: one on axles 1<sup>st</sup> and 2<sup>nd</sup> and one on axles 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup></i> |
| 8.2.2. | Sistema di frenatura di soccorso:<br><i>Secondary braking system:</i>                                                                                                                                                                                                                                                                                                                                        | conglobato con il freno di servizio, per sdoppiamento di sezioni<br><i>included with service braking system, for splitting of sections</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 8.2.3. | Sistema di frenatura di stazionamento:<br><i>Parking braking system:</i>                                                                                                                                                                                                                                                                                                                                     | a molla con comando a mano moderabile e trasmissione pneumatica agente, tramite valvola a relè doppia, sulle ruote del 3° e 4° asse oppure 1°, 3° e 4° asse<br><i>spring brake with gradual variation hand control and pneumatic transmission with relay valve on 3<sup>rd</sup> and 4<sup>th</sup> or 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> axl</i>                                                                                                                                                                                                                                      |
| 8.2.4. | Eventuali impianti frenanti complementari:<br><i>Any additional braking system:</i>                                                                                                                                                                                                                                                                                                                          | a molla con comando a mano moderabile e trasmissione pneumatica agente, tramite valvola a relè doppia, sulle ruote del 3° e 4° oppure del 1°, 3° e 4° asse con comando pneumatico a mano<br><i>spring brake with gradual variation hand controller and pneumatic transmission with relay valve on 3<sup>rd</sup> and 4<sup>th</sup> axle or on 1<sup>st</sup>, 3<sup>rd</sup> and 4<sup>th</sup> axle</i>                                                                                                                                                                                             |
| 8.2.5. | Impianto frenante d'emergenza in caso di distacco accidentale del rimorchio:<br><i>Break-away braking system:</i>                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.3.   | Comando e trasmissione degli impianti frenanti del rimorchio in veicoli destinati al traino di un rimorchio:<br>- pressione alla condotta dell'automatico:<br>- pressione alla condotta del moderabile:<br><i>Control and transmission of trailer braking systems in vehicles designed to tow a trailer:</i><br>- <i>reservoir pressure at coupling head:</i><br>- <i>braking pressure at coupling head:</i> | vedere punto 8.2.1.<br>8,5 - 0,3 bar<br>8,5 - 0,3 bar<br><br><i>see point 8.1.</i><br>8,5 - 0,3 bar<br>8,5 - 0,3 bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8.4.   | Veicolo è predisposto per il traino di un rimorchio dotato di sistema pneumatico di frenatura di servizio:<br><i>Vehicle is equipped to tow a trailer with pneumatic service brakes:</i>                                                                                                                                                                                                                     | sì<br><i>yes</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 8.5.   | Impianto frenante antibloccaggio:<br><i>Anti-lock braking system:</i>                                                                                                                                                                                                                                                                                                                                        | sì categoria 1<br><i>yes category 1</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 8.5.1. | Per i veicoli muniti di sistemi di frenatura antibloccaggio, descrizione del funzionamento del sistema (compresi eventuali elementi elettronici), curva del bloccaggio elettrico e schema del circuito idraulico o pneumatico:                                                                                                                                                                               | invariato rispetto al veicolo base, con omologazione:<br>E3 13R-11 6873 00 del 25.05.2017<br>aggiornata all'estensione: E3*13R11/14*6873*03 del 05.06.2018                                                                                                                                                                                                                                                                                                                                                                                                                                            |





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*For vehicles with anti-lock braking systems, description of system operation (including any electronic parts), electric block diagram, hydraulic or pneumatic circuit plan:*

*unchanged, respect to stage I vehicle, with approval:  
E3 13R-11 6873 00 of 25.05.2017 updated by extension  
E3\*13R11/14\*6873\*03 of 05.06.2018*

- 8.6. Calcoli e curve conformemente al Regolamento UNECE 13 o all'appendice all'allegato 14, se applicabile:  
*Calculation and curves according to UNECE Regulation 13 or to the Appendix to Annex 14 thereto if applicable:* non ricorre  
not applicable
- 8.7. Descrizione e/o disegno del sistema di alimentazione di energia, da indicare anche nel caso dei sistemi di frenatura servoassistiti:  
*Description and/or drawing of the energy supply, also to be specified for power-assisted braking systems:* compressore monocilindrico (352 cm<sup>3</sup>) oppure bicilindrico (460 - 630 cm<sup>3</sup>), con portata  $\geq 550$  l/min alla velocità del motore di 1900 ÷ 2200 min<sup>-1</sup>  
*single-cylinder (352 cm<sup>3</sup>) or twin-cylinder (460 - 630 cm<sup>3</sup>) compressor, with delivery rate  $\geq 550$  l/min, at engine speed 1900 ÷ 2200 min<sup>-1</sup>*
- 8.7.1. Nel caso di sistemi ad aria compressa, pressione di esercizio p<sub>2</sub> nel o nei serbatoi:  
*In the case of compressed-air braking systems, working pressure p<sub>2</sub> in the pressure reservoir(s):* 10,5 + 0,2 bar oppure / or  
12,5 ± 0,2 bar oppure / or  
11,0 ± 0,2 bar oppure / or  
10,0 ÷ 12,5 bar
- 8.7.2. Nel caso di sistemi di frenatura a depressione, livello iniziale di energia nel o nei serbatoi:  
*In the case of vacuum braking systems, the initial energy level in the reservoir(s):* non ricorre  
not applicable
- 8.8. Calcolo del sistema di frenatura: determinazione del rapporto tra la somma delle forze frenanti alla periferia delle ruote e le forze esercitate sul comando del freno:  
*Calculation of the braking system: determination of the ratio between the total braking forces at the circumference of the wheels and the force applied to the braking control:* invariato rispetto al veicolo base, con omologazione:  
E3 13R-11 6873 00 del 25.05.2017  
aggiornata all'estensione: E3\*13R11/14\*6873\*03 del 05.06.2018  
*unchanged, respect to stage I vehicle, with approval:  
E3 13R-11 6873 00 of 25.05.2017 updated by extension  
E3\*13R11/14\*6873\*03 of 05.06.2018*
- 8.9. Breve descrizione del sistema di frenatura in conformità all'allegato 2, punto 12, del regolamento UNECE n. 13:  
*Brief description of the braking system according to paragraph 12 of Annex 2 to UN Regulation No 13:* vedere disegno n° 25.01.05.0059 foglio 1  
rev. 3 del 17.02.2021  
*see drawing No. 25.01.05.0059 page 1 rev. 3 of 17.02.2021*
- 8.10. Se viene richiesta l'esenzione dalle prove di tipo I e/o di tipo II o di tipo III, indicare il numero del verbale conformemente all'appendice 3 dell'allegato 11 al Regolamento UNECE 13:  
*If claiming exemptions from the Type I and/or Type II or Type III tests, state the number of the report in accordance with Appendix 3 of Annex 11 to UNECE Regulation 13:* non ricorre  
not applicable
- 8.11. Descrizione dettagliata del/i tipo/i di impianto/i frenante/i a controllo elettronico (EBS):  
*Particulars of the type(s) of endurance braking system(s):* Connessione pneumatica al rimorchio.  
Pressione nella condotta di alimentazione: 8,5 bar.  
  
Freno motore:  
*Exhaust brake:* con comando indipendente a pedale o a mano, tramite l'apertura della valvola di scarico del motore.  
*with separate control, pedal or hand control, by opening the valve of the engine exhaust.*



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Eventuali sistemi di frenatura supplementari:  
*Any additional braking system:*

rallentatore indipendente (a richiesta).  
rallentatore idraulico ZF, con comando dal posto di guida.  
*endurance brake (optional).*  
*hydraulic endurance brake ZF, activated from driving position.*

Revisione 0 del 01.02.2021  
*Revision of*

x La Ditta  
  
(ing. Paolo MARTINI)



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### CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI VARIANTS AND VERSIONS EXPLANATION KEY

| Caratteristiche<br>Characteristics                                                                                    | Descrizione<br>Description                                                                                                             | Tipo<br>Type |    |       | Varianti<br>Variants |   |   |   |   |   |  |  | Versioni<br>Versions |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------|----|-------|----------------------|---|---|---|---|---|--|--|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Nome costruttore fase 2<br>Stage 2 manufacturer's company name                                                        | S.T. System Truck S.p.A.                                                                                                               | ST           |    |       |                      |   |   |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tipo di modifica della fase 2<br>Stage 2 modify kind                                                                  | Aggiunta 5° asse posteriore<br>5 <sup>th</sup> rear axle added                                                                         |              | 5P |       |                      |   |   |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Marca, modello, categoria, tipo e numero di assi della fase 1<br>Make, model, category and number of axles of stage 1 | Iveco Magirus, X-Way ON MY 2019, cat. N3, 350X e 360X, 4 assi<br>Iveco Magirus, X-Way ON MY 2019, cat. N3, 350X and 360X, 4 assi axles |              |    | MS34Y |                      |   |   |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fase di completamento<br>Extent of build                                                                              | incompleto (cabinato non carrozzato)<br>incomplete (chassis cab without body)                                                          |              |    |       | 4                    |   |   |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tipo di combustione del motore<br>Combustion type of engine                                                           | motore a combustione interna<br>internal combustion engine                                                                             |              |    |       |                      | C |   |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Principio di funzionamento<br>Working principle                                                                       | accensione comandata<br>positive ignition                                                                                              |              |    |       |                      |   | 1 |   |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Numero e disposizione dei cilindri<br>Number and arrangement of cylinders                                             | 6 cilindri in linea<br>6 cylinder in line                                                                                              |              |    |       |                      |   |   | 6 |   |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Numero di assi motore<br>Driving axle number                                                                          | 2 assi motore<br>2 driving axles                                                                                                       |              |    |       |                      |   |   |   | 2 |   |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Numero di assi sterzanti<br>Steering axle number                                                                      | 2 assi sterzanti<br>2 steering axles                                                                                                   |              |    |       |                      |   |   |   |   | 2 |  |  |                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Massa massima<br>GVW                                                                                                  | 41000 kg                                                                                                                               |              |    |       |                      |   |   |   |   |   |  |  | D                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                       | 41000 kg                                                                                                                               |              |    |       |                      |   |   |   |   |   |  |  | F                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                       | 41000 kg                                                                                                                               |              |    |       |                      |   |   |   |   |   |  |  | C                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Massa massima su 1° asse<br>Maximum mass on 1 <sup>st</sup> axle                                                      | 8000 kg                                                                                                                                |              |    |       |                      |   |   |   |   |   |  |  |                      | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                       | 7500 kg                                                                                                                                |              |    |       |                      |   |   |   |   |   |  |  |                      | B |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                       | 8500 kg                                                                                                                                |              |    |       |                      |   |   |   |   |   |  |  |                      | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                       | 9000 kg                                                                                                                                |              |    |       |                      |   |   |   |   |   |  |  |                      | D |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



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### CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI VARIANTS AND VERSIONS EXPLANATION KEY

| Caratteristiche<br>Characteristics                               | Descrizione<br>Description      | Tipo<br>Type | Varianti<br>Variants | Versioni<br>Versions |
|------------------------------------------------------------------|---------------------------------|--------------|----------------------|----------------------|
| Massa massima su 2° asse<br>Maximum mass on 2 <sup>nd</sup> axle | 8000 kg                         |              |                      | A                    |
|                                                                  | 7500 kg                         |              |                      | B                    |
|                                                                  | 8500 kg                         |              |                      | C                    |
|                                                                  | 9000 kg                         |              |                      | D                    |
| Massa massima su 3° asse<br>Maximum mass on 3 <sup>rd</sup> axle | 11500 kg                        |              |                      | C                    |
|                                                                  | 9500 o/or 10500 kg              |              |                      | E                    |
| Massa massima su 4° asse<br>Maximum mass on 4 <sup>th</sup> axle | 9500 o/or 10500 kg              |              |                      | C                    |
|                                                                  | 11500 kg                        |              |                      | D                    |
| Rimorchiabilità<br>Towing able                                   | non atto al traino / no trailer |              |                      | X                    |
|                                                                  | atto al traino / trailer        |              |                      | W                    |
| Cilindrata<br>Engine capacity                                    | 12882 cm <sup>3</sup>           |              |                      | 13                   |
|                                                                  | 11120 cm <sup>3</sup>           |              |                      | 11                   |
|                                                                  | 8710 cm <sup>3</sup>            |              |                      | 09                   |
| Potenza del motore<br>Engine power                               | 265 kW                          |              |                      | A                    |
|                                                                  | 309 kW                          |              |                      | B                    |
|                                                                  | 338 kW                          |              |                      | E                    |
|                                                                  | 353 kW                          |              |                      | G                    |
|                                                                  | 294 kW                          |              |                      | L                    |
|                                                                  | 375 kW                          |              |                      | M                    |
|                                                                  | 419 kW                          |              |                      | N                    |
| Carburante<br>Fuel                                               | gasolio / diesel                |              |                      | D                    |
| Rumore in marcia<br>Running noise level                          | 81 dB                           |              |                      | 1                    |
|                                                                  | 82 dB                           |              |                      | 2                    |
| Emissioni<br>Emissions                                           | EURO VI D                       |              |                      | D                    |



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### CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI VARIANTS AND VERSIONS EXPLANATION KEY

| Caratteristiche<br>Characteristics                               | Descrizione<br>Description            | Tipo<br>Type | Varianti<br>Variants | Versioni<br>Versions |
|------------------------------------------------------------------|---------------------------------------|--------------|----------------------|----------------------|
| Tipo di cabina<br>Cab type                                       | AD                                    |              |                      | D                    |
|                                                                  | AT                                    |              |                      | T                    |
|                                                                  | AS                                    |              |                      | S                    |
| ADR                                                              | con ADR / with ADR                    |              |                      | S                    |
|                                                                  | con ADR classe AT / with ADR Class AT |              |                      | T                    |
|                                                                  | senza ADR / without ADR               |              |                      | N                    |
| Massa massima su 5° asse<br>Maximum mass on 5 <sup>th</sup> axle | 8000 kg                               |              |                      | A                    |
|                                                                  | 8600 kg                               |              |                      | B                    |
|                                                                  | 9000 kg                               |              |                      | C                    |
|                                                                  | 10000 kg                              |              |                      | D                    |



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## COMBINAZIONI POSSIBILI PERMISSIBLE COMBINATION

| Varianti<br>Variants | Versioni<br>Versions                                |
|----------------------|-----------------------------------------------------|
| 4 C 1 6 2 2          | F B B E C X 0 9 A D 2 D D S A<br>W L T N B<br>T C   |
| 4 C 1 6 2 2          | F B B E C X 1 1 B D 1 D D S A<br>W E T N B<br>G T C |
| 4 C 1 6 2 2          | F B B E C X 1 3 M D 2 D S S A<br>W N N B<br>T C     |
| 4 C 1 6 2 2          | D A A E C X 0 9 A D 2 D D S A<br>W L T N B<br>T C   |
| 4 C 1 6 2 2          | D A A E C X 1 1 B D 1 D D S A<br>W E T N B<br>G T C |
| 4 C 1 6 2 2          | D A A E C X 1 3 M D 2 D S S A<br>W N N B<br>T C     |
| 4 C 1 6 2 2          | D C C E C X 0 9 A D 2 D D S A<br>W L T N B<br>T C   |
| 4 C 1 6 2 2          | D C C E C X 1 1 B D 1 D D S A<br>W E T N B<br>G T C |
| 4 C 1 6 2 2          | D C C E C X 1 3 M D 2 D S S A<br>W N N B<br>T C     |
| 4 C 1 6 2 2          | D D D E C X 0 9 A D 2 D D S A<br>W L T N B<br>T C   |
| 4 C 1 6 2 2          | D D D E C X 1 1 B D 1 D D S A<br>W E T N B<br>G T C |
| 4 C 1 6 2 2          | D D D E C X 1 3 M D 2 D S S A<br>W N N B<br>T C     |
| 4 C 1 6 2 2          | D A A C D X 0 9 A D 2 D D S D<br>W L T N            |
| 4 C 1 6 2 2          | D A A C D X 1 1 B D 1 D D S D<br>W E T N            |
| 4 C 1 6 2 2          | D A A C D X 1 3 M D 2 D S S D<br>W N N T            |

Varianti  
Variants

Versioni  
Versions

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | C | C | C | D | X | 0 | 9 | A | D | 2 | D | D | S | D |
|   |   |   |   |   | W |   |   | L |   |   |   | T | N |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | C | C | C | D | X | 1 | 1 | B | D | 1 | D | D | S | D |
|   |   |   |   |   | W |   |   | E |   |   |   | T | N |   |
|   |   |   |   |   |   |   |   | G |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | C | C | C | D | X | 1 | 3 | M | D | 2 | D | S | S | D |
|   |   |   |   |   | W |   |   | N |   |   |   |   | N |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | D | D | C | D | X | 0 | 9 | A | D | 2 | D | D | S | D |
|   |   |   |   |   | W |   |   | L |   |   |   | T | N |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | D | D | C | D | X | 1 | 1 | B | D | 1 | D | D | S | D |
|   |   |   |   |   | W |   |   | E |   |   |   | T | N |   |
|   |   |   |   |   |   |   |   | G |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | D | D | C | D | X | 1 | 3 | M | D | 2 | D | S | S | D |
|   |   |   |   |   | W |   |   | N |   |   |   |   | N |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | B | B | E | C | X | 0 | 9 | A | D | 2 | D | D | S | A |
|   |   |   |   |   | W |   |   | L |   |   |   |   | N | B |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T | C |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | B | B | E | C | X | 1 | 1 | B | D | 1 | D | D | S | A |
|   |   |   |   |   | W |   |   | E |   |   |   |   | N | B |
|   |   |   |   |   |   |   |   | G |   |   |   |   | T | C |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | A | E | C | X | 0 | 9 | A | D | 2 | D | D | S | A |
|   |   |   |   |   | W |   |   | L |   |   |   |   | N | B |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T | C |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | A | E | C | X | 1 | 1 | B | D | 1 | D | D | S | A |
|   |   |   |   |   | W |   |   | E |   |   |   |   | N | B |
|   |   |   |   |   |   |   |   | G |   |   |   |   | T | C |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | A | C | D | X | 0 | 9 | A | D | 2 | D | D | S | D |
|   |   |   |   |   | W |   |   | L |   |   |   |   | N |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | T |   |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | C | 1 | 6 | 2 | 2 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | A | A | C | D | X | 1 | 1 | B | D | 1 | D | D | S | D |
|   |   |   |   |   | W |   |   | E |   |   |   |   | N |   |
|   |   |   |   |   |   |   |   | G |   |   |   |   | T |   |



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| Punto<br>Item | Variante<br>Variant | Versione<br>Version | Descrizione<br>Description |       |              |       |         |     |         |    |
|---------------|---------------------|---------------------|----------------------------|-------|--------------|-------|---------|-----|---------|----|
| 2.1.2.1.      | 4C1622              | ?????????????? ?    | 1° ÷ 2°                    |       | 2° ÷ 3°      |       | 3° ÷ 4° |     | 4° ÷ 5° |    |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 2375         | mm    | 1395    | mm  | 1410    | mm |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 2625         | mm    | 1395    | mm  | 1410    | mm |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 2875         | mm    | 1395    | mm  | 1410    | mm |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 3145         | mm    | 1395    | mm  | 1410    | mm |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 3725         | mm    | 1395    | mm  | 1410    | mm |
|               | 4C1622              | ???????????????? ?  | 1875                       | mm    | 3945         | mm    | 1395    | mm  | 1410    | mm |
| 2.1.2.2.      | 4C1622              | ???????????????? ?  | 1° ÷ 5°                    |       | 1° ÷ 3°      |       |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 7055                       | mm    | 4250         | mm    |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 7305                       | mm    | 4500         | mm    |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 7555                       | mm    | 4750         | mm    |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 7825                       | mm    | 5020         | mm    |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 8405                       | mm    | 5600         | mm    |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 8625                       | mm    | 5820         | mm    |         |     |         |    |
| 2.6.          | 4C1622              | ???????????????? ?  | min max                    |       |              |       |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | 9550                       | 12771 | kg           |       |         |     |         |    |
| 2.6.1.        | 4C1622              | ???????????????? ?  | 1° + 2°                    |       | 3° + 4° + 5° |       |         |     |         |    |
|               | 4C1622              | ???????????????? ?  | min                        | max   | min          | max   | min     | max |         |    |
| 2.8.          | 4C1622              | ?BBEC????????? A    | 6085                       | 7996  | kg           | 3465  | 4775    | kg  |         |    |
|               | 4C1622              | ?BBEC????????? B    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?BBEC????????? C    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?AAEC????????? A    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?AAEC????????? B    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?AAEC????????? C    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?CCEC????????? A    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?CCEC????????? B    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?CCEC????????? C    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?DDEC????????? A    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?DDEC????????? B    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?DDEC????????? C    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?AACD????????? D    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?CCCD????????? D    |                            |       |              |       |         |     |         |    |
|               | 4C1622              | ?DDCD????????? D    |                            |       |              |       |         |     |         |    |
| 2.8.1.        | 4C1622              | ?BBEC????????? A    | 1° + 2°                    |       | 3° + 4° + 5° |       |         |     |         |    |
|               | 4C1622              | ?BBEC????????? B    | min                        | max   | min          | max   | min     | max |         |    |
|               | 4C1622              | ?BBEC????????? C    | 14000                      | 15000 | kg           | 26000 | 27000   | kg  |         |    |
|               | 4C1622              | ?AAEC????????? A    | 11400                      | 15000 | kg           | 26000 | 29600   | kg  |         |    |
|               | 4C1622              | ?AAEC????????? B    | 11000                      | 15000 | kg           | 26000 | 30000   | kg  |         |    |
|               | 4C1622              | ?AAEC????????? C    | 14000                      | 16000 | kg           | 25000 | 27000   | kg  |         |    |
|               | 4C1622              | ?AAEC????????? D    | 11400                      | 16000 | kg           | 25000 | 29600   | kg  |         |    |
|               | 4C1622              | ?AAEC????????? E    | 11000                      | 16000 | kg           | 25000 | 30000   | kg  |         |    |
|               | 4C1622              | ?CCEC????????? A    | 14000                      | 17000 | kg           | 24000 | 27000   | kg  |         |    |
|               | 4C1622              | ?CCEC????????? B    | 11400                      | 17000 | kg           | 24000 | 29600   | kg  |         |    |
|               | 4C1622              | ?CCEC????????? C    | 11000                      | 17000 | kg           | 24000 | 30000   | kg  |         |    |
|               | 4C1622              | ?DDEC????????? A    | 14000                      | 18000 | kg           | 23000 | 27000   | kg  |         |    |
|               | 4C1622              | ?DDEC????????? B    | 11400                      | 18000 | kg           | 23000 | 29600   | kg  |         |    |
|               | 4C1622              | ?DDEC????????? C    | 11000                      | 18000 | kg           | 23000 | 30000   | kg  |         |    |
|               | 4C1622              | ?AACD????????? D    | 8200                       | 16000 | kg           | 25000 | 32800   | kg  |         |    |
|               | 4C1622              | ?CCCD????????? D    | 8200                       | 17000 | kg           | 24000 | 32800   | kg  |         |    |
|               | 4C1622              | ?DDCD????????? D    | 8200                       | 18000 | kg           | 23000 | 32800   | kg  |         |    |





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| Punto<br>Item | Variante<br>Variant | Versione<br>Version | Descrizione<br>Description             |            |                                               |          |          |
|---------------|---------------------|---------------------|----------------------------------------|------------|-----------------------------------------------|----------|----------|
|               |                     |                     | 1°                                     | 2°         | 3°                                            | 4°       | 5°       |
| 2.9.          | 4C1622              | ?BBEC???????? A     | 7500                                   | 7500       | 9500                                          | 9500     | 8000 kg  |
|               | 4C1622              | ?BBEC???????? B     | 7500                                   | 7500       | 10500                                         | 10500    | 8600 kg  |
|               | 4C1622              | ?BBEC???????? C     | 7500                                   | 7500       | 10500                                         | 10500    | 9000 kg  |
|               | 4C1622              | ?AAEC???????? A     | 8000                                   | 8000       | 9500                                          | 9500     | 8000 kg  |
|               | 4C1622              | ?AAEC???????? B     | 8000                                   | 8000       | 10500                                         | 10500    | 8600 kg  |
|               | 4C1622              | ?AAEC???????? C     | 8000                                   | 8000       | 10500                                         | 10500    | 9000 kg  |
|               | 4C1622              | ?CCEC???????? A     | 8500                                   | 8500       | 9500                                          | 9500     | 8000 kg  |
|               | 4C1622              | ?CCEC???????? B     | 8500                                   | 8500       | 10500                                         | 10500    | 8600 kg  |
|               | 4C1622              | ?CCEC???????? C     | 8500                                   | 8500       | 10500                                         | 10500    | 9000 kg  |
|               | 4C1622              | ?DDEC???????? A     | 9000                                   | 9000       | 9500                                          | 9500     | 8000 kg  |
|               | 4C1622              | ?DDEC???????? B     | 9000                                   | 9000       | 10500                                         | 10500    | 8600 kg  |
|               | 4C1622              | ?DDEC???????? C     | 9000                                   | 9000       | 10500                                         | 10500    | 9000 kg  |
|               | 4C1622              | ?AACD???????? D     | 8000                                   | 8000       | 11500                                         | 11500    | 10000 kg |
|               | 4C1622              | ?CCCD???????? D     | 8500                                   | 8500       | 11500                                         | 11500    | 10000 kg |
|               | 4C1622              | ?DDCD???????? D     | 9000                                   | 9000       | 11500                                         | 11500    | 10000 kg |
| 2.10.         | 4C1622              | ?BBEC???????? A     | $T_{ant} / T_{front}$                  |            | $T_{post} / T_{rear}$                         |          |          |
|               | 4C1622              | ?BBEC???????? B     | 15000 kg                               |            | 27000 kg                                      |          |          |
|               | 4C1622              | ?BBEC???????? C     | 15000 kg                               |            | 29600 kg                                      |          |          |
|               | 4C1622              | ?AAEC???????? A     | 15000 kg                               |            | 30000 kg                                      |          |          |
|               | 4C1622              | ?AAEC???????? B     | 16000 kg                               |            | 27000 kg                                      |          |          |
|               | 4C1622              | ?AAEC???????? C     | 16000 kg                               |            | 29600 kg                                      |          |          |
|               | 4C1622              | ?AAEC???????? C     | 16000 kg                               |            | 30000 kg                                      |          |          |
|               | 4C1622              | ?CCEC???????? A     | 17000 kg                               |            | 27000 kg                                      |          |          |
|               | 4C1622              | ?CCEC???????? B     | 17000 kg                               |            | 29600 kg                                      |          |          |
|               | 4C1622              | ?CCEC???????? C     | 17000 kg                               |            | 30000 kg                                      |          |          |
|               | 4C1622              | ?DDEC???????? A     | 18000 kg                               |            | 27000 kg                                      |          |          |
|               | 4C1622              | ?DDEC???????? B     | 18000 kg                               |            | 29600 kg                                      |          |          |
|               | 4C1622              | ?DDEC???????? C     | 18000 kg                               |            | 30000 kg                                      |          |          |
|               | 4C1622              | ?AACD???????? D     | 16000 kg                               |            | 32800 kg                                      |          |          |
|               | 4C1622              | ?CCCD???????? D     | 17000 kg                               |            | 32800 kg                                      |          |          |
|               | 4C1622              | ?DDCD???????? D     | 18000 kg                               |            | 32800 kg                                      |          |          |
| 2.11.1.       | 4C1622              | ????X???????? ?     | Traversa di traino<br>Rear crossmember |            | MTT: Staz. su 1° asse<br>Front parking brake: |          |          |
|               | 4C1622              | ????W09A???? ?      | non atto / no towing vehicle           |            |                                               |          |          |
|               | 4C1622              | ????W09L???? ?      | 3000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11B???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11E???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11G???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W13M???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W13N???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W09A???? ?      | 3000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W09L???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11B???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11E???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W11G???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W13M???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W13N???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | no / no  |          |
|               | 4C1622              | ????W09A???? ?      | 3000 kg                                | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W09L???? ?      | 9000 kg                                | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W11B???? ?      | 19000 kg                               | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W11E???? ?      | 19000 kg                               | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W11G???? ?      | 19000 kg                               | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W13M???? ?      | 19000 kg                               | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W13N???? ?      | 19000 kg                               | D = 130 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W09A???? ?      | 3000 kg                                | D = 200 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W09L???? ?      | 9000 kg                                | D = 200 kN | 41000 kg                                      | sì / yes |          |
|               | 4C1622              | ????W11B???? ?      | 19000 kg                               | D = 200 kN | 41000 kg                                      | sì / yes |          |



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| Punto<br>Item | Variante<br>Variant | Versione<br>Version | Descrizione<br>Description                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                                          |          |
|---------------|---------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------|----------|
|               | 4C1622              | ?????W11E???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D = 200 kN              | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11G???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D = 200 kN              | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13M???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D = 200 kN              | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13N???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D = 200 kN              | 41000 kg                                 | sì / yes |
|               |                     |                     | Traversa di traino<br>Rear crossmember                                                                                                                                                                                                                                                                                                                                                                                            | MTT:                    | Staz. su 1° asse<br>Front parking brake: |          |
| 2.11.3.       | 4C1622              | ?????X???????? ?    | non atto / no towing vehicle                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                                          |          |
|               | 4C1622              | ?????W09A???? ?     | 3000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W09L???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11B???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11E???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11G???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W13M???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W13N???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W09A???? ?     | 3000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W09L???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11B???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11E???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W11G???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W13M???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W13N???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | no / no  |
|               | 4C1622              | ?????W09A???? ?     | 3000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W09L???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11B???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11E???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11G???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13M???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13N???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 130 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W09A???? ?     | 3000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W09L???? ?     | 9000 kg                                                                                                                                                                                                                                                                                                                                                                                                                           | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11B???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11E???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W11G???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13M???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
|               | 4C1622              | ?????W13N???? ?     | 19000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          | D <sub>C</sub> = 200 kN | 41000 kg                                 | sì / yes |
| 2.11.5.       | 4C1622              | ?????X???????? ?    | 0 kg                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                                          |          |
|               | 4C1622              | ?????W09A???? ?     | 44000 kg                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |                                          |          |
|               | 4C1622              | ?????W09L???? ?     | 44000 kg oppure 50000 kg con molle freno da 9860 N (tipo 24) solo su 3° e 4° asse<br>kg or 50000 kg with spring brake 9860 N (type 24) only on 3 <sup>rd</sup> and 4 <sup>th</sup> axle                                                                                                                                                                                                                                           |                         |                                          |          |
|               | 4C1622              | ?????W11B???? ?     | 44000 kg oppure 50000 kg con molle freno da 9860 N (tipo 24) solo su 3° e 4° asse oppure 60000 kg con molle freno da 4500 N (tipo 14) su 1° asse e 9860 N (tipo 24) su 3° e 4° asse<br>kg or 50000 kg with spring brake 9860 N (type 24) only on 3 <sup>rd</sup> and 4 <sup>th</sup> axle or 60000 kg with spring brake 4500 N (type 14) on 1 <sup>st</sup> axle and 9860 N (type 24) on 3 <sup>rd</sup> and 4 <sup>th</sup> axle |                         |                                          |          |
|               | 4C1622              | ?????W11E???? ?     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                          |          |
|               | 4C1622              | ?????W11G???? ?     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                          |          |
|               | 4C1622              | ?????W13M???? ?     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                          |          |
|               | 4C1622              | ?????W13N???? ?     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                                          |          |



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| Punto<br>Item | Variante<br>Variant | Versione<br>Version | Descrizione<br>Description  |
|---------------|---------------------|---------------------|-----------------------------|
| 3.1.1.        | NC1622              | ??????09A??D?? ?    | F2CGE611B*N                 |
|               | NC1622              | ??????09L??D?? ?    | F2CGE611A*N                 |
|               | NC1622              | ??????11B??D?? ?    | F3GGE611C*N                 |
|               | NC1622              | ??????11E??D?? ?    | F3GGE611B*N                 |
|               | NC1622              | ??????11G??D?? ?    | F3GGE611A*N                 |
|               | NC1622              | ??????13M??D?? ?    | F3HGE611B*N                 |
|               | NC1622              | ??????13N??D?? ?    | F3HGE611A*N                 |
| 3.2.1.9.      | NC1622              | ??????09??D?? ?     | 2400 ± 50 min <sup>-1</sup> |
|               | NC1622              | ??????11??D?? ?     | 2320 ± 50 min <sup>-1</sup> |
|               | NC1622              | ??????13??D?? ?     | 2320 ± 50 min <sup>-1</sup> |



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| Punto<br>Item                | Descrizione<br>Description |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              |                              |                              |             |             |             |                            |             |                            |
|------------------------------|----------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|------------------------------|--------------|--------------|------------------------------|--------------|------------------------------|----------------------------------------------|------------------------------|------------------------------|-------------|-------------|-------------|----------------------------|-------------|----------------------------|
| 4.6.                         |                            | 9S 131? TO | 12S 213? TD<br>12S 233? TD | 12AS 233? TO | 12AS 193? TD | 12AS 2301 DD | 12AS 233? TD | 12AS 142? TD | 12TX 141? TD<br>12TX 181? TD | 12TX 181? TO | 12TX 201? TO | 12TX 221? TO<br>12TX 241? TO | 12TX 261? TO | 12TX 201? TD<br>12TX 221? TD | 12TX 242? TD<br>12TX 262? TD<br>12TX 282? TD | 16TX 244? TD<br>16TX 264? TD | 16TX 244? TO<br>16TX 254? TO | 16S 182? TO | 16S 151? DD | 16S 162? TD | 16S 222? TO<br>16S 252? TO | 16S 192? TD | 16S 222? TD<br>16S 232? TD |
| Tipo cambio<br>Gear box type |                            |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              |                              |                              |             |             |             |                            |             |                            |
|                              | 1                          | 9,48       | 15,57                      | 12,33        | 15,86        | 15,86        | 15,86        | 12,79        | 16,69                        | 12,92        | 12,92        | 12,92                        | 12,92        | 16,69                        | 16,69                                        | 17,94                        | 14,68                        | 13,80       | 16,41       | 16,41       | 13,80                      | 16,41       | 16,41                      |
|                              | 2                          | 6,58       | 12,21                      | 9,59         | 12,32        | 12,32        | 12,32        | 10,33        | 12,92                        | 9,96         | 9,98         | 9,98                         | 9,98         | 12,92                        | 12,92                                        | 14,68                        | 12,05                        | 11,54       | 13,80       | 13,80       | 11,54                      | 13,80       | 13,80                      |
|                              | 3                          | 4,70       | 9,47                       | 7,44         | 9,56         | 9,56         | 9,56         | 8,03         | 9,93                         | 7,67         | 7,69         | 7,69                         | 7,69         | 9,93                         | 9,93                                         | 12,12                        | 9,92                         | 9,49        | 11,28       | 11,28       | 9,49                       | 11,28       | 11,28                      |
|                              | 4                          | 3,48       | 7,43                       | 5,78         | 7,43         | 7,43         | 7,43         | 6,49         | 7,69                         | 5,94         | 5,94         | 5,94                         | 5,94         | 7,69                         | 7,69                                         | 9,92                         | 8,14                         | 7,93        | 9,49        | 9,49        | 7,93                       | 9,49        | 9,49                       |
|                              | 5                          | 2,62       | 5,82                       | 4,57         | 5,87         | 5,87         | 5,87         | 5,18         | 5,90                         | 4,57         | 4,57         | 4,57                         | 4,57         | 5,90                         | 5,90                                         | 8,28                         | 6,78                         | 6,53        | 7,76        | 7,76        | 6,53                       | 7,76        | 7,76                       |
|                              | 6                          | 1,89       | 4,56                       | 3,55         | 4,56         | 4,56         | 4,56         | 4,18         | 4,57                         | 3,53         | 3,53         | 3,53                         | 3,53         | 4,57                         | 4,57                                         | 6,78                         | 5,56                         | 5,46        | 6,53        | 6,53        | 5,46                       | 6,53        | 6,53                       |
|                              | 7                          | 1,35       | 3,41                       | 2,70         | 3,47         | 3,47         | 3,47         | 3,06         | 3,66                         | 2,83         | 2,83         | 2,83                         | 2,83         | 3,66                         | 3,66                                         | 5,57                         | 4,57                         | 4,57        | 5,43        | 5,43        | 4,57                       | 5,43        | 5,43                       |
|                              | 8                          | 1,00       | 2,68                       | 2,10         | 2,70         | 2,70         | 2,70         | 2,47         | 2,83                         | 2,19         | 2,19         | 2,19                         | 2,19         | 2,83                         | 2,83                                         | 4,57                         | 3,75                         | 3,82        | 4,57        | 4,57        | 3,82                       | 4,57        | 4,57                       |
|                              | 9                          | 0,75       | 2,07                       | 1,63         | 2,09         | 2,09         | 2,09         | 1,92         | 2,17                         | 1,68         | 1,68         | 1,68                         | 1,68         | 2,17                         | 2,17                                         | 3,93                         | 3,22                         | 3,02        | 3,59        | 3,59        | 3,02                       | 3,59        | 3,59                       |
|                              | 10                         |            | 1,63                       | 1,27         | 1,63         | 1,63         | 1,63         | 1,55         | 1,68                         | 1,30         | 1,30         | 1,30                         | 1,30         | 1,68                         | 1,68                                         | 3,22                         | 2,64                         | 2,53        | 3,02        | 3,02        | 2,53                       | 3,02        | 3,02                       |
|                              | 11                         |            | 1,27                       | 1,00         | 1,28         | 1,28         | 1,28         | 1,24         | 1,29                         | 1,00         | 1,00         | 1,00                         | 1,00         | 1,29                         | 1,29                                         | 2,65                         | 2,17                         | 2,08        | 2,47        | 2,47        | 2,08                       | 2,47        | 2,47                       |
|                              | 12                         |            | 1,00                       | 0,78         | 1,00         | 1,00         | 1,00         | 1,00         | 1,00                         | 0,77         | 0,77         | 0,77                         | 0,77         | 1,00                         | 1,00                                         | 2,17                         | 1,78                         | 1,74        | 2,08        | 2,08        | 1,74                       | 2,08        | 2,08                       |
|                              | 13                         |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              | 1,81                         | 1,49                         | 1,43        | 1,70        | 1,70        | 1,43                       | 1,70        | 1,70                       |
|                              | 14                         |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              | 1,49                         | 1,22                         | 1,20        | 1,43        | 1,43        | 1,20                       | 1,43        | 1,43                       |
|                              | 15                         |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              | 1,22                         | 1,00                         | 1,00        | 1,19        | 1,19        | 1,00                       | 1,19        | 1,19                       |
|                              | 16                         |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              | 1,00                         | 0,82                         | 0,84        | 1,00        | 1,00        | 0,84                       | 1,00        | 1,00                       |
|                              | R1                         | 8,97       | 14,57                      | 11,41        | 14,68        | 14,68        | 14,68        | 13,10        | 15,54                        | 12,03        | 12,03        | 12,03                        | 12,03        | 15,54                        | 15,54                                        | 17,27                        | 14,14                        | 12,92       | 15,36       | 15,36       | 12,92                      | 15,36       | 15,36                      |
|                              | R2                         |            | 11,44                      | 8,88         | 11,41        | 11,41        | 11,41        | 10,59        | 12,03                        | 9,29         | 9,29         | 9,29                         | 9,29         | 12,03                        | 12,03                                        | 14,14                        | 11,61                        | 10,80       | 12,92       | 12,92       | 10,80                      | 12,92       | 12,92                      |
|                              | R3                         |            |                            |              |              |              |              |              | 3,40                         | 2,64         | 2,64         | 2,64                         | 2,64         | 3,40                         | 3,40                                         | 3,78                         | 3,09                         |             |             |             |                            |             |                            |
|                              | R4                         |            |                            |              |              |              |              |              | 2,64                         | 2,04         | 2,04         | 2,04                         | 2,04         | 2,64                         | 2,64                                         | 3,09                         | 2,54                         |             |             |             |                            |             |                            |
| Rapporto finale:             |                            | 3,2        | 3,2                        | 3,2          | 3,2          | 3,2          | 3,2          | 3,2          | 3,2                          | 3,2          | 3,2          | 3,2                          | 3,2          | 3,2                          | 3,2                                          | 3,2                          | 3,2                          | 3,2         | 3,2         | 3,2         | 3,2                        | 3,2         | 3,2                        |
| Final drive:                 |                            |            |                            |              |              |              |              |              |                              |              |              |                              |              |                              |                                              |                              |                              |             |             |             |                            |             |                            |



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Combinazioni motore / cambio / rapporto al  
ponte:  
*Engine / gear box / rear axle ratio combinations:*

|                                           | 9S 131? TO | 12S 213? TD<br>12S 233? TD | 12AS 233? TO | 12AS 193? TD | 12AS 2301 DD | 12AS 233? TD | 12AS 142? TD | 12TX 141? TD<br>12TX 181? TD | 12TX 181? TO | 12TX 201? TO | 12TX 221? TO<br>12TX 241? TO | 12TX 261? TO | 12TX 201? TD<br>12TX 221? TD | 12TX 242? TD<br>12TX 262? TD<br>12TX 282? TD | 16TX 244? TD<br>16TX 264? TD | 16TX 244? TO<br>16TX 254? TO | 16S 182? TO | 16S 151? DD | 16S 162? TD | 16S 222? TO<br>16S 252? TO | 16S 192? TD | 16S 222? TD<br>16S 232? TD |
|-------------------------------------------|------------|----------------------------|--------------|--------------|--------------|--------------|--------------|------------------------------|--------------|--------------|------------------------------|--------------|------------------------------|----------------------------------------------|------------------------------|------------------------------|-------------|-------------|-------------|----------------------------|-------------|----------------------------|
| F3GGE611C*N<br>F3GGE611B*N<br>F3GGE611A*N |            |                            | D            | D            |              | D            |              | E                            |              | A E          | A E                          |              | A E                          | E                                            |                              |                              |             |             |             | A D                        | D           | A D                        |
| F2CGE611B*N<br>F2CGE611A*N                | C          | C                          | C            | C            | C            |              | C            | B F                          | B F          |              |                              |              | F                            | F                                            |                              |                              | BC          | C           | BC          |                            |             |                            |
| F3HGE611B*N<br>F3HGE611A*N                |            |                            | J            |              |              | J            |              | I                            |              |              | HI                           | HI           | I                            | HI                                           | HI                           | HI                           |             |             |             | H J                        |             | H J                        |

Rapporto ponte:

*Rear axle ratio:*

|    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| A: | 2,31 | 2,47 | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 | 4,63 | 5,29 | 6,17 |      |      |      |  |
| A: | 3,40 | 3,78 | 3,79 | 4,13 | 4,23 | 4,50 | 4,67 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |      |      |      |  |
| B: | 2,31 | 2,47 | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 |      |      |      |      |      |      |  |
| B: | 4,23 | 4,63 | 4,67 | 5,01 | 5,29 | 6,17 | 3,40 | 3,78 | 3,79 | 4,13 | 4,50 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |  |
| C: | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 3,79 | 4,11 |      |      |      |      |      |      |      |  |
| C: | 4,23 | 4,63 | 4,67 | 5,01 | 5,29 | 6,17 | 3,40 | 3,78 | 3,79 | 4,13 | 4,50 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |  |
| D: | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,40 | 3,70 | 4,11 |      |      |      |      |      |      |      |  |
| D: | 3,78 | 3,79 | 4,26 | 4,67 | 2,31 | 2,47 | 4,13 | 4,50 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |      |      |  |
| E: | 2,31 | 2,47 | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 |      |      |      |      |      |      |  |
| E: | 3,40 | 3,78 | 3,79 | 4,13 | 4,23 | 4,50 | 4,67 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |      |      |      |  |
| F: | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 | 4,63 | 5,29 |      |      |      |      |      |      |      |  |
| F: | 3,40 | 3,78 | 3,79 | 4,13 | 4,23 | 4,50 | 4,67 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |      |      |      |  |
| H: | 2,31 | 2,47 | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 | 4,63 |      |      |      |      |      |  |
| H: | 3,40 | 3,78 | 3,79 | 4,13 | 4,23 | 4,50 | 4,67 | 5,01 | 5,56 |      |      |      |      |      |      |      |  |
| I: | 2,31 | 2,47 | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,70 | 4,11 |      |      |      |      |      |      |  |
| I: | 3,40 | 3,78 | 3,79 | 4,13 | 4,23 | 4,50 | 4,67 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |      |      |      |  |
| J: | 2,64 | 2,83 | 2,85 | 3,08 | 3,09 | 3,36 | 3,40 | 3,70 |      |      |      |      |      |      |      |      |  |
| J: | 2,31 | 2,47 | 3,78 | 3,79 | 4,11 | 4,13 | 4,23 | 4,50 | 4,63 | 4,67 | 5,01 | 5,14 | 5,56 | 5,67 | 6,09 | 6,57 |  |



## SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° 4  
Annex Nr  
del  
of 01.02.2021

| Punto<br>Item | Variante<br>Variant  | Versione<br>Version  | Descrizione<br>Description                                                                    |                              |                   |                               |                          |                                |                                      |                  |
|---------------|----------------------|----------------------|-----------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------|--------------------------|--------------------------------|--------------------------------------|------------------|
| 6.1.          | 4C1622               | ????????????? A      | sospensione pneumatica, ammortizzatori idraulici, vedere disegno n°                           | 10.01.00.0036                | rev. 0            | del 30.01.2017                |                          |                                |                                      |                  |
|               | 4C1622               | ????????????? B      | air suspension, hydraulic shock absorbers, see drawing No. 10.01.00.0036 rev. 0 of 30.01.2017 |                              |                   |                               |                          |                                |                                      |                  |
|               | 4C1622               | ????????????? C      | sospensione pneumatica, ammortizzatori idraulici, vedere disegno n°                           | 10.01.00.0049                | rev. 0            | del 07.02.2019                |                          |                                |                                      |                  |
|               | 4C1622               | ????????????? D      | air suspension, hydraulic shock absorbers, see drawing No. 10.01.00.0049 rev. 0 of 07.02.2019 |                              |                   |                               |                          |                                |                                      |                  |
|               | Varianti<br>Variants | Versioni<br>Versions | Dimensione<br>Size                                                                            | Ind. di carico<br>Load index | Carico<br>Payload | Indice di vel.<br>Speed index | Dim. cerchio<br>Rim size | Offset acciaio<br>Offset steel | Offset alluminio<br>Offset aluminium | Raggio<br>Radius |
| 6.6.1.1.1.    |                      |                      | 315/80 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 523              |
|               |                      |                      | 315/70 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 492              |
|               |                      |                      | 13 R22,5                                                                                      | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 546              |
|               | 4C1622               | ?B???????????? ?     | 295/80 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 8,25              | 152-159                        | 145-148                              | 507              |
|               |                      |                      |                                                                                               |                              |                   |                               | 22,5 x 9,00              | 161-162                        | 150-154                              |                  |
|               |                      |                      | 385/55 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               |                      |                      | 385/65 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |
|               |                      |                      | 315/80 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 523              |
|               | 4C1622               | ?A???????????? ?     | 315/70 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 492              |
|               |                      |                      | 13 R22,5                                                                                      | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 546              |
|               |                      |                      | 385/55 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               |                      |                      | 385/65 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |
|               |                      |                      | 315/80 R22,5                                                                                  | 158                          | 8500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 523              |
|               | 4C1622               | ?C???????????? ?     | 385/55 R22,5                                                                                  | 158                          | 8500              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               |                      |                      | 385/65 R22,5                                                                                  | 158                          | 8500              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |
|               |                      |                      | 385/55 R22,5                                                                                  | 160                          | 9000              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               | 4C1622               | ?D???????????? ?     | 385/65 R22,5                                                                                  | 160                          | 9000              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |
| 6.6.1.1.2.    |                      |                      | 315/80 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 523              |
|               |                      |                      | 315/70 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 492              |
|               |                      |                      | 13 R22,5                                                                                      | 154                          | 7500              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 546              |
|               | 4C1622               | ??B???????????? ?    | 295/80 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 8,25              | 152-159                        | 145-148                              | 507              |
|               |                      |                      |                                                                                               |                              |                   |                               | 22,5 x 9,00              | 161-162                        | 150-154                              |                  |
|               |                      |                      | 385/55 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               |                      |                      | 385/65 R22,5                                                                                  | 154                          | 7500              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |
|               |                      |                      | 315/80 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 523              |
|               | 4C1622               | ??A???????????? ?    | 315/70 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 492              |
|               |                      |                      | 13 R22,5                                                                                      | 156                          | 8000              | G                             | 22,5 x 9,00              | 161-162                        | 150-154                              | 546              |
|               |                      |                      | 385/55 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 11,75             | 130                            | 120-135                              | 480              |
|               |                      |                      | 385/65 R22,5                                                                                  | 156                          | 8000              | G                             | 22,5 x 11,75             | 120-135                        | 120-135                              | 517              |



## SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° **4**  
Annex Nr  
del  
of **01.02.2021**

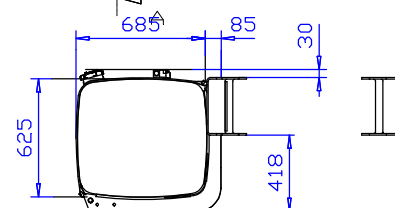
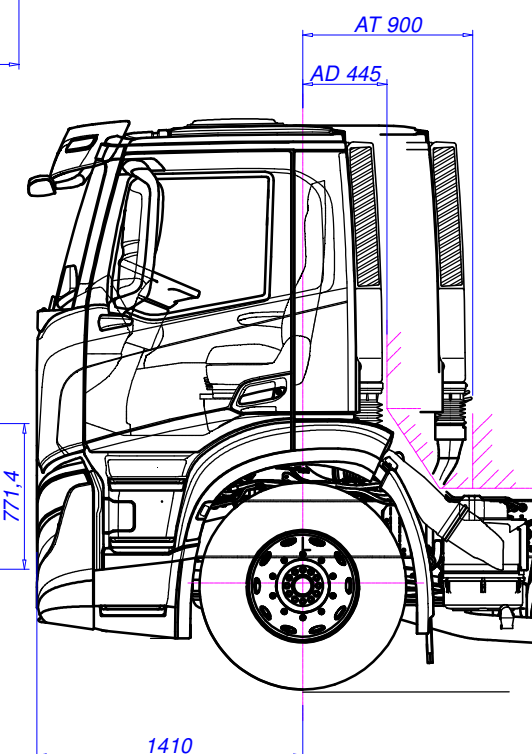
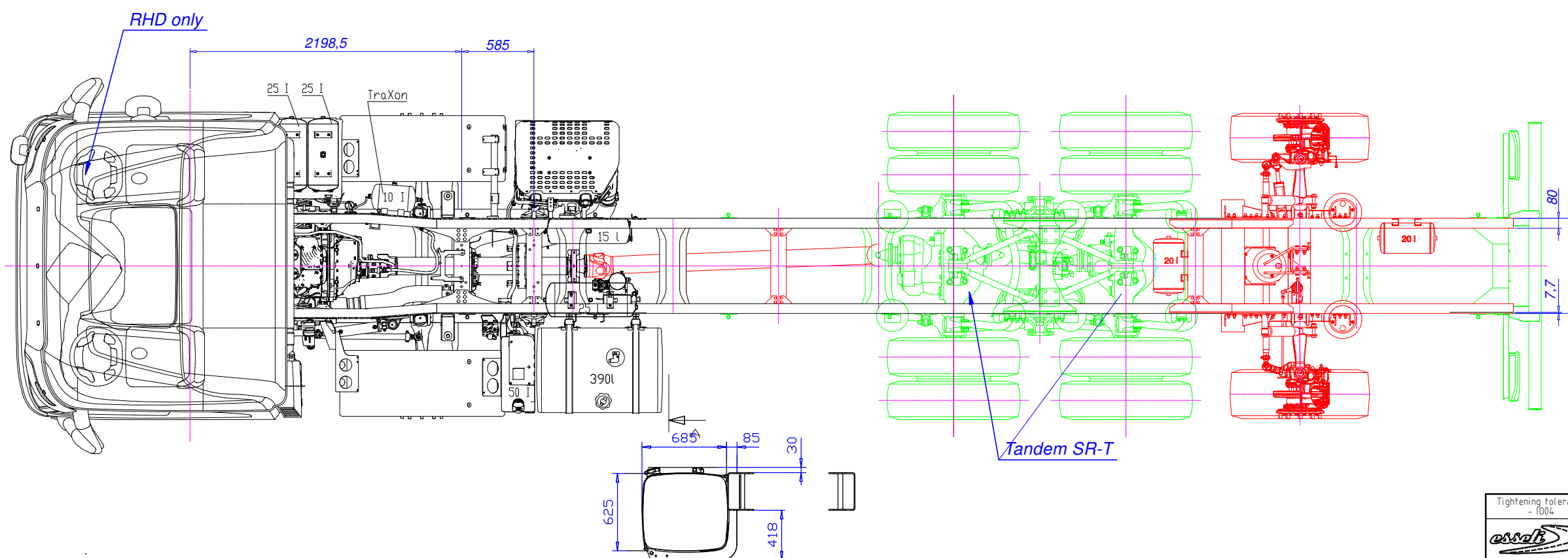
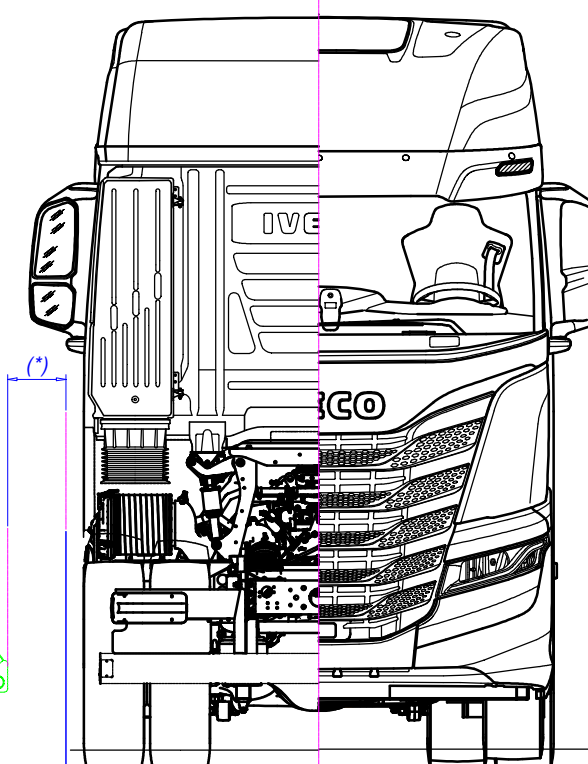
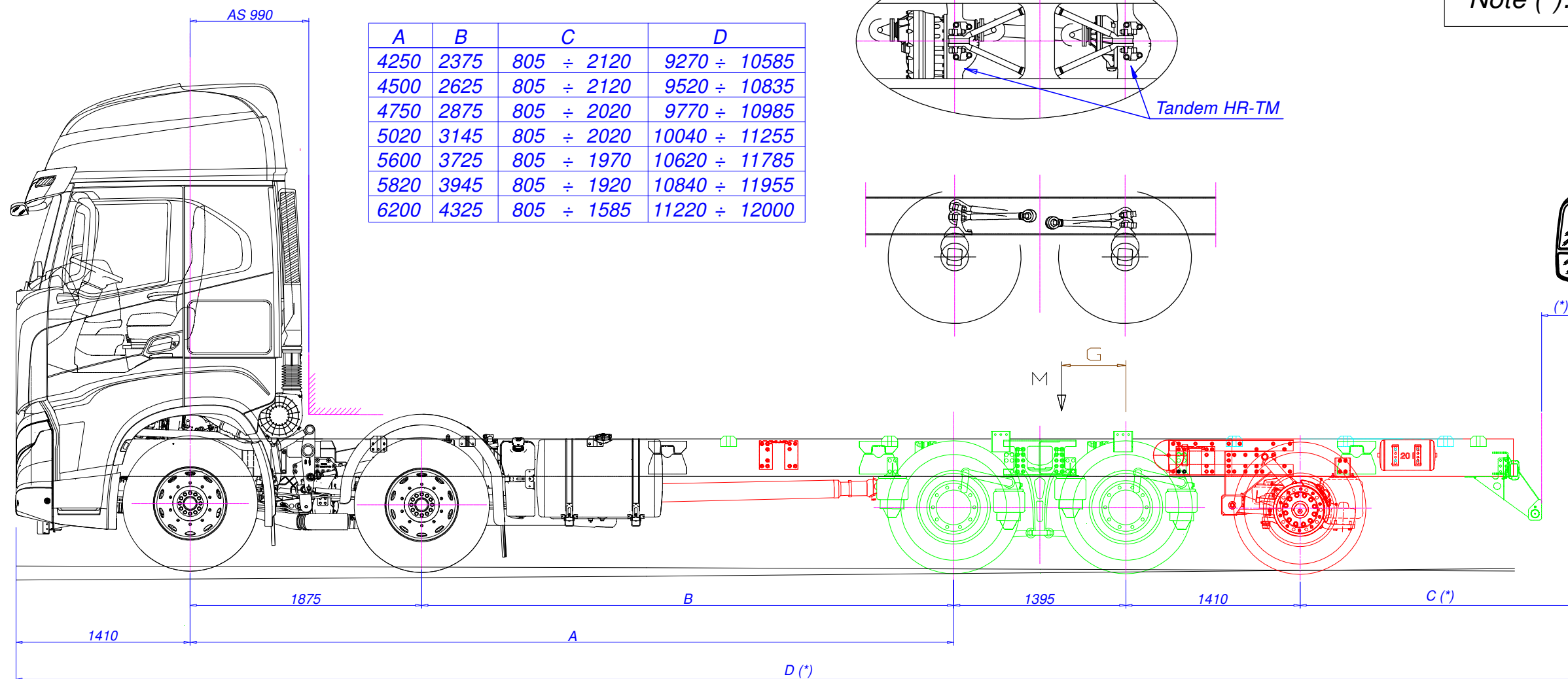
| Punto<br>Item | Variante<br>Variant | Versione<br>Version | Descrizione<br>Description |     |       |   |              |         |         |     |
|---------------|---------------------|---------------------|----------------------------|-----|-------|---|--------------|---------|---------|-----|
| 6.6.1.1.3.    | 4C1622              | ??C?????????? ?     | 315/80 R22,5               | 158 | 8500  | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 385/55 R22,5               | 158 | 8500  | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 158 | 8500  | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |
|               | 4C1622              | ??D?????????? ?     | 385/55 R22,5               | 160 | 9000  | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 160 | 9000  | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |
|               | 4C1622              | ???E?????????? ?    | 315/80 R22,5               | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 315/70 R22,5               | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 492 |
|               |                     |                     | 13 R22,5                   | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 546 |
|               |                     |                     | 295/80 R22,5               | 142 | 10500 | G | 22,5 x 8,25  | 152-159 | 145-148 | 507 |
|               |                     |                     |                            |     |       |   | 22,5 x 9,00  | 161-162 | 150-154 | 507 |
|               | 4C1622              | ???C?????????? ?    | 315/80 R22,5               | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 315/70 R22,5               | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 492 |
|               |                     |                     | 13 R22,5                   | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 546 |
|               |                     |                     | 295/80 R22,5               | 145 | 11500 | G | 22,5 x 8,25  | 152-159 | 145-148 | 507 |
| 6.6.1.1.4.    | 4C1622              | ???C?????????? ?    | 315/80 R22,5               | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 315/70 R22,5               | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 492 |
|               |                     |                     | 13 R22,5                   | 142 | 10500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 546 |
|               |                     |                     | 295/80 R22,5               | 142 | 10500 | G | 22,5 x 8,25  | 152-159 | 145-148 | 507 |
|               | 4C1622              | ???D?????????? ?    | 315/80 R22,5               | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 315/70 R22,5               | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 492 |
|               |                     |                     | 13 R22,5                   | 145 | 11500 | G | 22,5 x 9,00  | 161-162 | 150-154 | 546 |
|               |                     |                     | 295/80 R22,5               | 145 | 11500 | G | 22,5 x 8,25  | 152-159 | 145-148 | 507 |
|               | 6.6.1.1.5.          | ?????????????? A    | 315/80 R22,5               | 156 | 8000  | G | 22,5 x 9,00  | 161-162 | 150-154 | 523 |
|               |                     |                     | 315/70 R22,5               | 156 | 8000  | G | 22,5 x 9,00  | 161-162 | 150-154 | 492 |
|               |                     |                     | 13 R22,5                   | 156 | 8000  | G | 22,5 x 9,00  | 161-162 | 150-154 | 546 |
|               |                     |                     | 385/55 R22,5               | 156 | 8000  | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 156 | 8000  | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |
|               |                     | ?????????????? B    | 385/55 R22,5               | 160 | 8600  | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 160 | 8600  | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |
|               |                     | ?????????????? C    | 385/55 R22,5               | 160 | 9000  | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 160 | 9000  | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |
|               |                     | 4C1622              | 385/55 R22,5               | 164 | 10000 | G | 22,5 x 11,75 | 130     | 120-135 | 480 |
|               |                     |                     | 385/65 R22,5               | 164 | 10000 | G | 22,5 x 11,75 | 120-135 | 120-135 | 517 |



*Disegno per omologazione*  
*Drawing for type-approval*

*Nota (\*): vedere scheda informativa*  
*Note (\*): see information document*

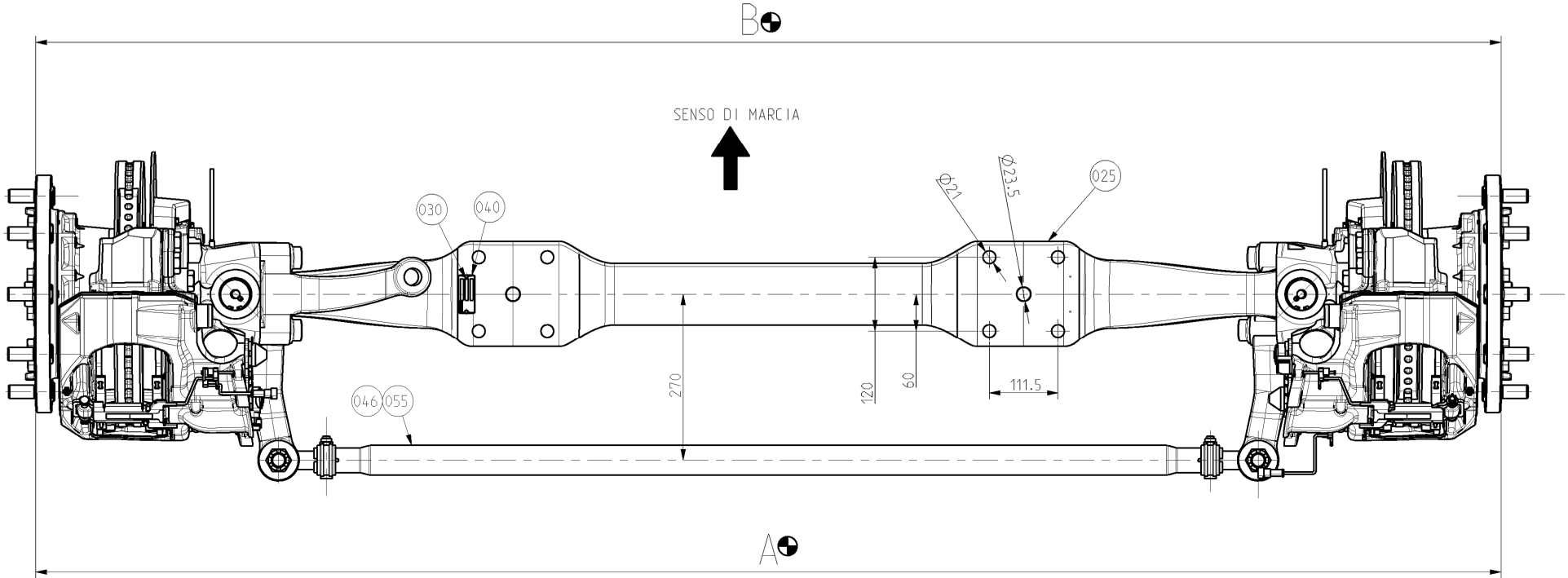
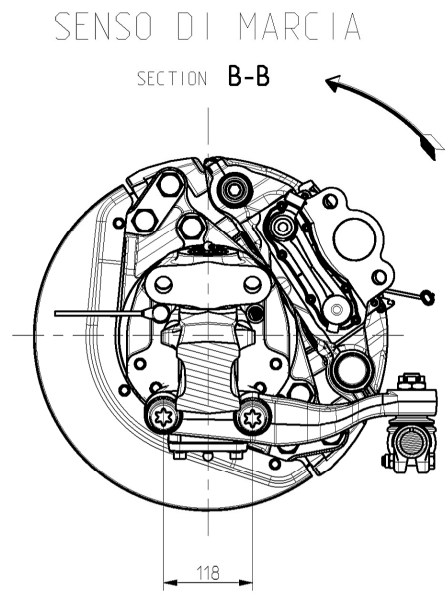
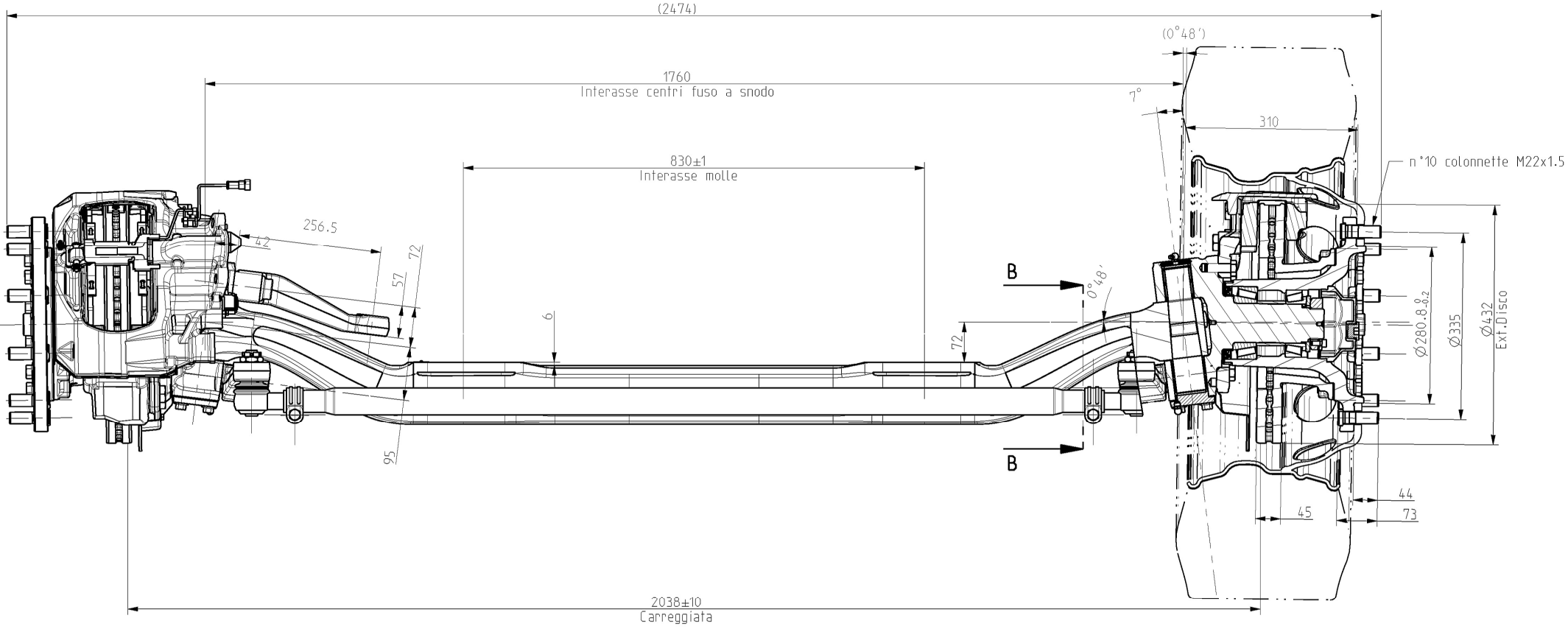
| <i>A</i> | <i>B</i> | <i>C</i>   | <i>D</i>      |
|----------|----------|------------|---------------|
| 4250     | 2375     | 805 ÷ 2120 | 9270 ÷ 10585  |
| 4500     | 2625     | 805 ÷ 2120 | 9520 ÷ 10835  |
| 4750     | 2875     | 805 ÷ 2020 | 9770 ÷ 10985  |
| 5020     | 3145     | 805 ÷ 2020 | 10040 ÷ 11255 |
| 5600     | 3725     | 805 ÷ 1970 | 10620 ÷ 11785 |
| 5820     | 3945     | 805 ÷ 1920 | 10840 ÷ 11955 |
| 6200     | 4325     | 805 ÷ 1585 | 11220 ÷ 12000 |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                      |                    |                                                                                       |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------|--------------------|---------------------------------------------------------------------------------------|---------------|
| Tightening tolerance<br>- f004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ISO 2768 - ----<br>Tolerancing ISO 8015 | Author<br>P. MARTINI | Date<br>10/02/2020 |  | Scale<br>1:20 |
| <div data-bbox="2285 1904 2371 1911" data-kind="parent" data-rs="2">  </div> <div data-bbox="2380 1904 2528 1919" data-kind="parent" data-rs="2"> <p><small>All proprietary rights reserved by S.T. System Trunk S.p.A. Any reproduction, distribution and utilization of this document without its communication of this content to the author is prohibited (see ISO 9001:2015).</small></p> </div> <div data-bbox="2534 1904 2792 1919" data-kind="parent" data-rs="2"> <p><b>Description</b></p> <p>AVPECO M354Y AD/AT/AS 350/360, ..Z, ..HR ON+ 10x4</p> <p>11</p> <p>AVPECO M354Y AD/AT/AS 350/360, ..Z, ..HR ON+ 10x4</p> <p><b>Code</b></p> <p>55.01.00.0124</p> <p><b>Drawing</b></p> <p>55.01.00.0124</p> <p><b>Sheet</b></p> <p>1/1</p> <p><b>Format</b></p> <p>A4</p> </div> |                                         |                      |                    |                                                                                       |               |
| <div data-bbox="2285 1913 2371 1919" data-kind="ghost"></div> <div data-bbox="2380 1919 2528 1927" data-kind="ghost"></div> <div data-bbox="2534 1919 2792 1927" data-kind="ghost"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |                      |                    |                                                                                       |               |

**E24\*13R11/16\*0105\*00**





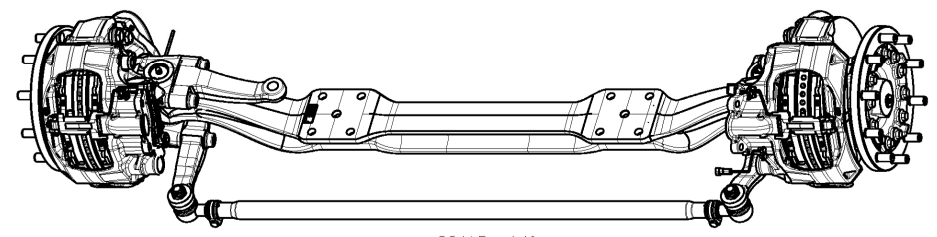
**CONVERGENZA**  
per la registrazione della  
Convergenza ( A-B )  
attenersi a quanto  
prescritto sull'I.S. 17-3206

|                                        |      |
|----------------------------------------|------|
| G.A.W. ( Kg )                          | 8600 |
| Peso Assale Completo<br>( a secco Kg ) | xxx  |
| Quantità olio<br>per mozzo ( Litri )   | 0.33 |

| VERSIONI | PART NUMBER | TIPO                   |
|----------|-------------|------------------------|
| 004      | 718 6386 XZ | GUIDA SX - SENSORE EBL |
| 005      | 718 6387 XZ | GUIDA DX - SENSORE EBL |

ELENCATO SU DOCUMENTO  
718 4263 UY

CAD DRAWING  
HANDLING ON CAD SYSTEM ONLY



SCALE 1:10

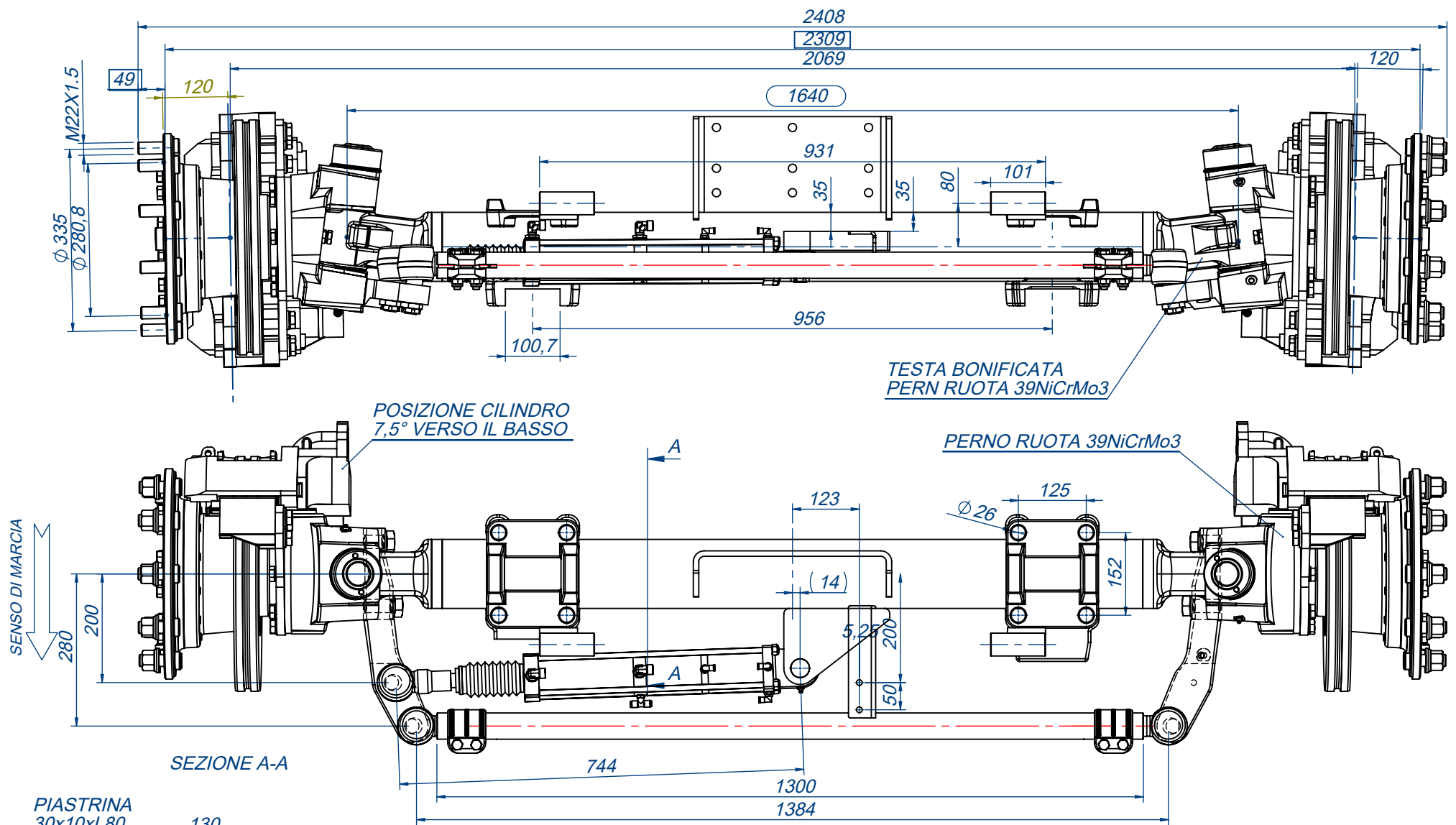
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|                                                                                         |       |                                     |                                |
|-----------------------------------------------------------------------------------------|-------|-------------------------------------|--------------------------------|
| STANDARDS richiamati<br>mitgetend<br>mentioned                                          |       | .                                   |                                |
| Scala<br>Maßstab<br>Scale                                                               |       | 1:5                                 |                                |
| C / = 0                                                                                 |       | ISO ≤ IT8                           |                                |
| Iveco Std.<br>18-0011                                                                   |       | ≤ 30'                               | Ra ≤ 0.4                       |
| Prescrizioni generali<br>Allgemeine Vorschriften<br>General rules<br>Iveco Std. 10-2999 |       |                                     |                                |
| Date                                                                                    | Name  |                                     |                                |
| Drawn by<br>20/10/06                                                                    | CASU  |                                     |                                |
| Checked by                                                                              | .     | A0                                  | 1-3K739M-003-009               |
| Slenderas                                                                               | .     | Indice                              | Codice comunicazione modifiche |
| Deget lineal                                                                            | E 009 | Index                               | Aenderungs-Mitlg.-Nr.          |
| Modello/Modell/Model                                                                    |       | IVECO<br>Iveco SpA                  |                                |
| 5886/D<br>Sosp.Pneumatica                                                               |       | No                                  |                                |
| Origin                                                                                  |       | Replaced for                        |                                |
|                                                                                         |       | E24*13R11/16*0105*00                |                                |
|                                                                                         |       | mm 0 10 20 30 40 50 60 70 80 90 100 |                                |

|                                                             |       |                                       |        |
|-------------------------------------------------------------|-------|---------------------------------------|--------|
| Massa (kg.)<br>Masse<br>Mass                                | 0.000 | Nr. Grezzo<br>Rohteil-Nr.<br>Blank-No | .      |
| Designazione/Benennung/Designation                          |       | Lexicon Code                          | 183790 |
| SCHEME FRONT AXLE<br>SCHEMA ASSALE<br>INTERMEDIO CON RIPARO |       |                                       |        |
| 7189470 D B 40-9052                                         |       | Sheet<br>1/1                          |        |



COD. INTERNO: 18254662

QUOTE SENZA INDICAZIONE DI TOLLERANZA GRADO DI PRECISIONE MEDIO

NORMA UNI EN 22768/1

| MATERIALE  | STATO DI FORNITURA | TRATTAMENTO |
|------------|--------------------|-------------|
| MC         | SC                 | MASSA (Kg)  |
| DATA       | SCALA              | FOLIO       |
| 09/02/2016 | 1:10               | A4          |

DESCRIZIONE: ASC 09TFR ET DISCO PNE956



CODICE DISEGNO:

S08C072752----

○ QUOTE DA CONTROLLARE NELLA FASE DELL'ASSEMBLARE NUDO.

□ QUOTE DA CONTROLLARE NELLA FASE DI CONTROLLO FINALE.

PERSONALIZZAZIONI

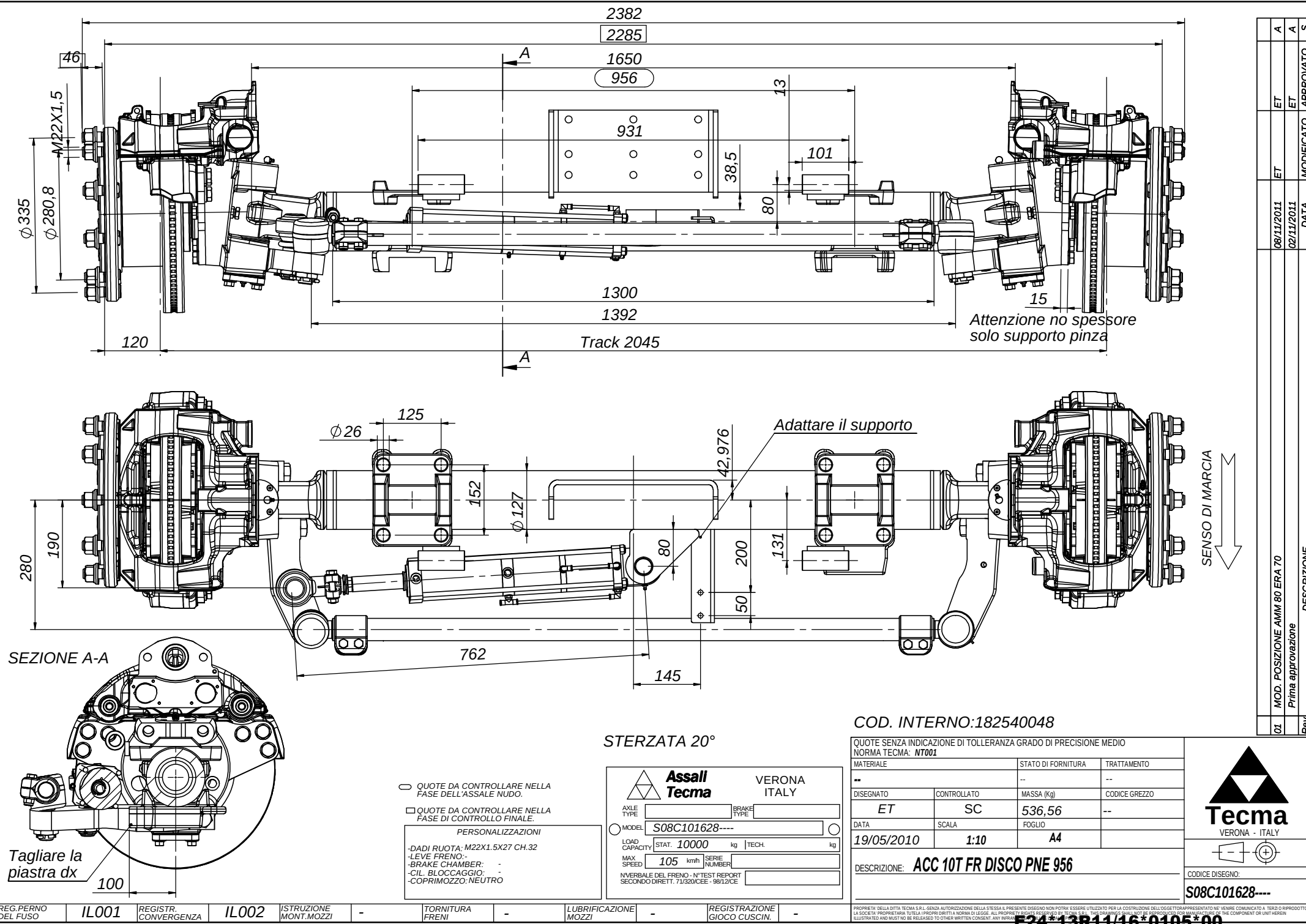
-DADI RUOTA: M22X1.5 TIPO "M" H27  
-LEVE FRENO:-  
-BRAKE CHAMBER:-  
-CIL. BLOCCAGGIO:-  
-COPRIMOZZO:NEUTRO  
-CICLO DI VERNICIATURA: N°1

|                      |                |                |                |
|----------------------|----------------|----------------|----------------|
| Assali Tecma         |                | VERONA - ITALY |                |
| AXLE TYPE            | ID1 -          | BRAKE TYPE     | ID2 -          |
| MODEL                | S08C072752---- |                |                |
| LOAD CAPACITY        | STAT. 9000     | Kg             | TECH. ID3 - Kg |
| MAX SPEED            | 105            | km/h           | SERIE NUMBER   |
| N° VERBALE DEL FRENO |                | ID4 -          |                |

REG. PERNO DEL FUSO IL001 REGISTR. CONVERGENZA IL002 ISTRUZIONE MONT. MOZZI IL021 TORNITURA FRENI IL007 LUBRIFICAZIONE MOZZI IL004

PROPRIETÀ DELLA DITTA TECMA S.R.L. SENZA AUTORIZZAZIONE DELLA STESSA IL PRESENTE DISEGNO NON POTRÀ ESSERE UTILIZZATO PER LA COSTRUZIONE DELL'OGGETTO RAPPRESENTATO NÉ VENIRE COMUNICATO A TERZI O RIPRODOTTO. LA SOCIETÀ PROPRIETARIA TUTELA I PROPRI DIRITTI A NORMA DI LEGGE. ALL'PROPRIETÀ RISERVATA. THIS DRAWING SHALL NOT BE REPRODUCED FOR THE MANUFACTURE OF THE COMPONENT OR UNIT HEREIN ILLUSTRATED AND MUST NOT BE RELEASED TO OTHER WRITTEN CONSENT. ANY VIOLATION WILL BE PROSECUTED.

E24\*13R11/16\*0105\*00



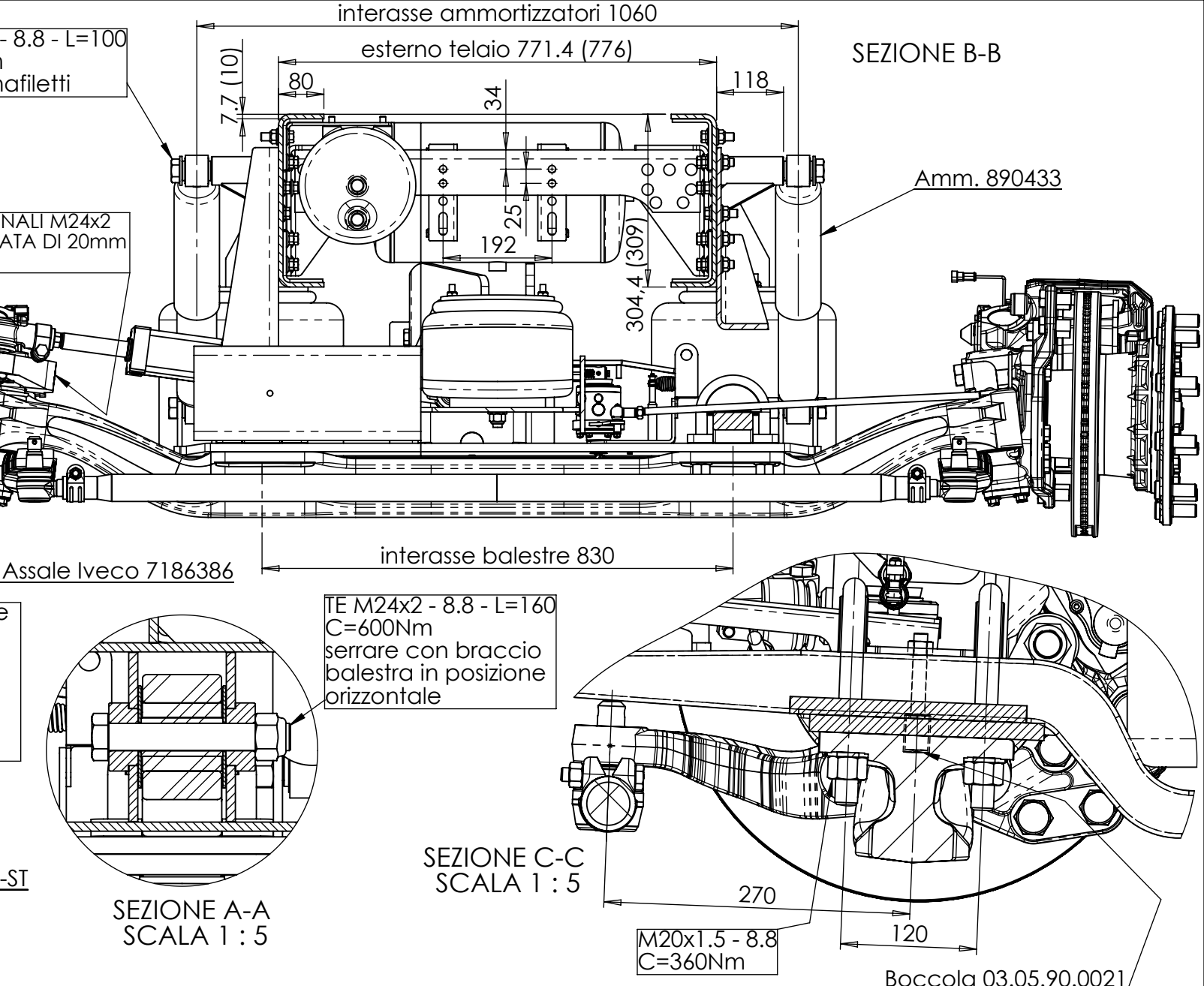
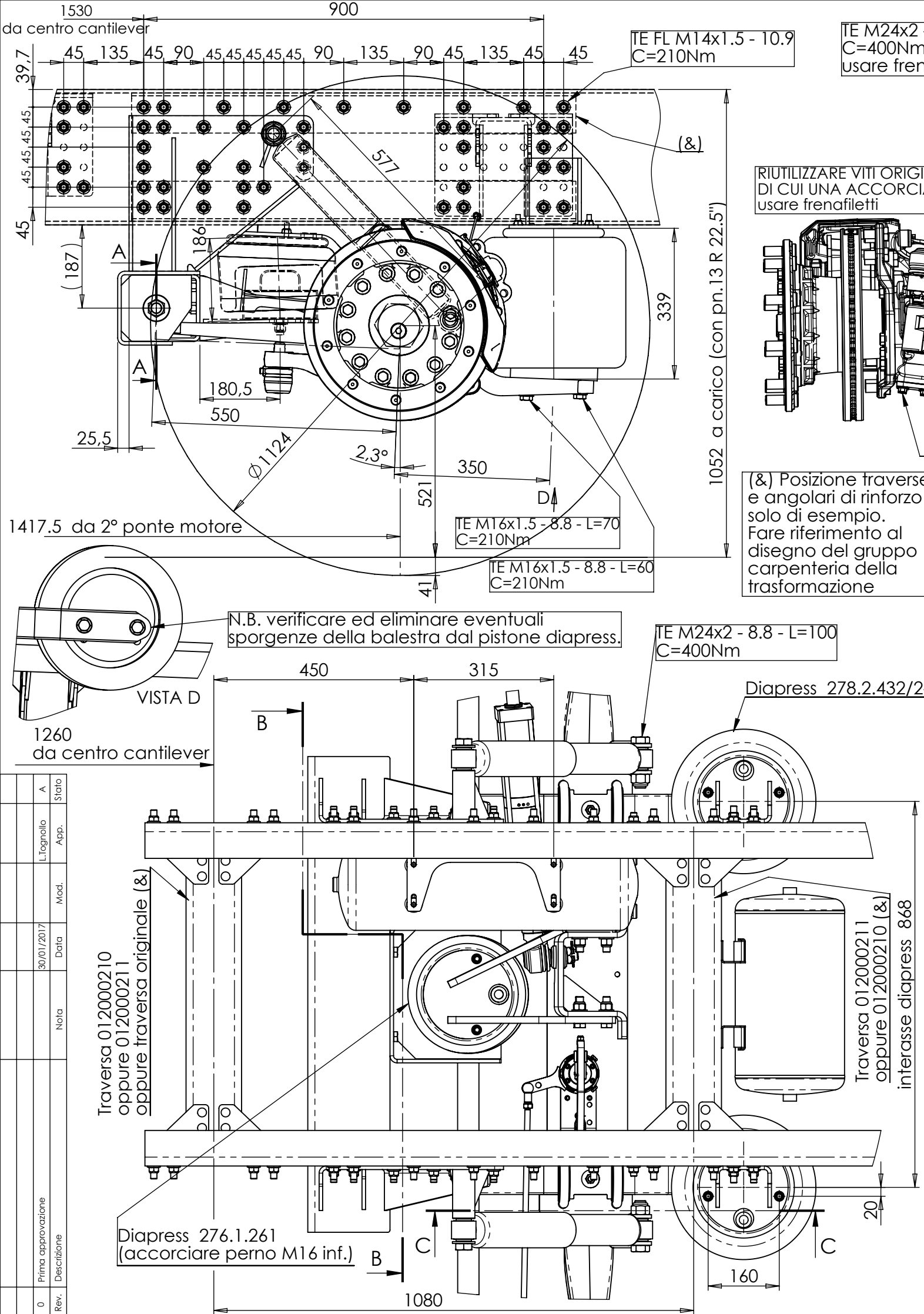
COD. INTERNO:182540048

|                                                                 |             |                    |               |
|-----------------------------------------------------------------|-------------|--------------------|---------------|
| QUOTE SENZA INDICAZIONE DI TOLLERANZA GRADO DI PRECISIONE MEDIO |             |                    |               |
| NORMA TECMA: NT001                                              |             |                    |               |
| MATERIALE                                                       |             | STATO DI FORNITURA | TRATTAMENTO   |
| --                                                              |             | --                 | --            |
| DISEGNATO                                                       | CONTROLLATO | MASSA (Kg)         | CODICE GREZZO |
| ET                                                              | SC          | 536,56             | --            |
| DATA                                                            | SCALA       | FOGLIO             |               |
| 19/05/2010                                                      | 1:10        | A4                 |               |
| DESCRIZIONE: ACC 10T FR DISCO PNE 956                           |             |                    |               |
| CODICE DISEGNO: S08C101628----                                  |             |                    |               |



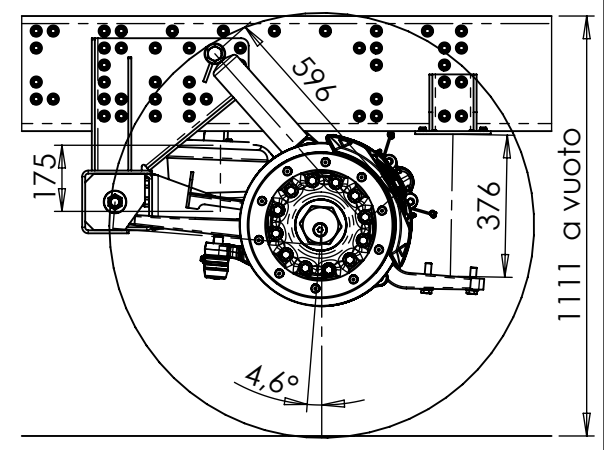
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|-----|------------------------------|------------|------|------------|-----------|
| 01  | MOD. POSIZIONE AMM 80 ERA 70 | 08/11/2011 | ET   | ET         | A         |
| Rev | Prima approvazione           | 02/11/2011 | DATA | MODIFICATO | APPROVATO |
|     |                              |            |      |            | S         |

E24\*13R14\*16\*0105\*00

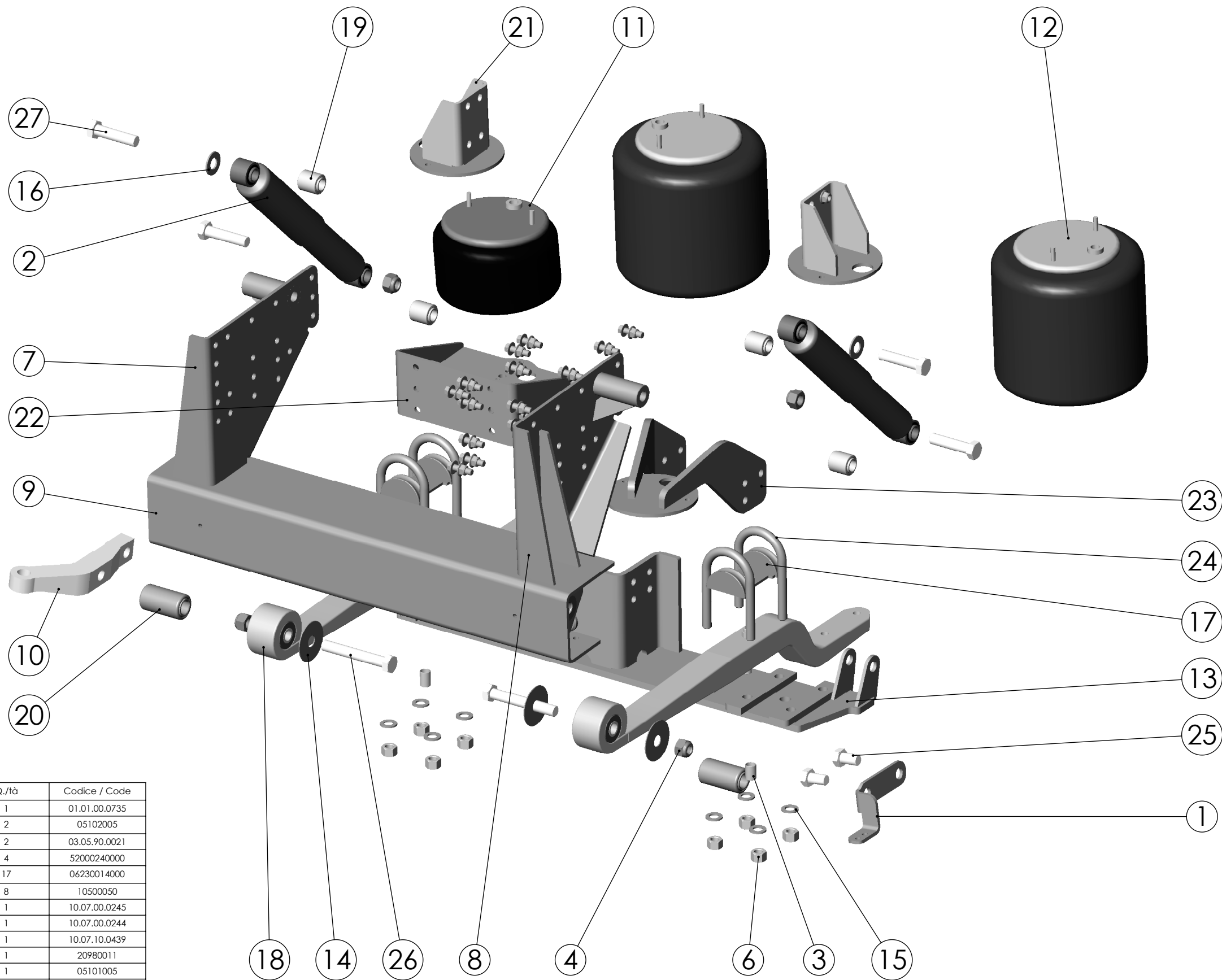


| VEICOLO A VUOTO<br>(SOLO TELAIO) | L<br>AMMORTIZ.<br>(428-688) | H<br>DIAPRESS<br>SOSP.<br>(180-560) | H<br>DIAPRESS<br>SOLL.<br>(110-330) | CORSA MAX<br>SOSP.<br>5° ASSE | H TELAIO<br>1° ASSE | H TELAIO<br>CENTRO<br>TANDEM | H TELAIO<br>5° ASSE |
|----------------------------------|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------|---------------------|------------------------------|---------------------|
|                                  | 495                         | 180                                 | 235                                 | -119                          | 1174                | 1130                         | 1111                |
|                                  | 596                         | 376                                 | 175                                 |                               |                     |                              |                     |
|                                  | 688                         | 557 (577)                           | 117                                 | 110                           |                     |                              |                     |

| VEICOLO A CARICO<br>TANDEM 26T - 5° AX 8T | L<br>AMMORTIZ.<br>(428-688) | H<br>DIAPRESS<br>SOSP.<br>(180-560) | H<br>DIAPRESS<br>SOLL.<br>(110-330) | CORSA MAX<br>SOSP.<br>5° ASSE | H TELAIO<br>1° ASSE | H TELAIO<br>CENTRO<br>TANDEM | H TELAIO<br>5° ASSE |
|-------------------------------------------|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------|---------------------|------------------------------|---------------------|
|                                           | 495                         | 180                                 | 235                                 | -96                           | 1051                | 1052                         | 1052                |
|                                           | 577                         | 339                                 | 186                                 |                               |                     |                              |                     |
|                                           | 688                         | 557 (577)                           | 117                                 | 133                           |                     |                              |                     |



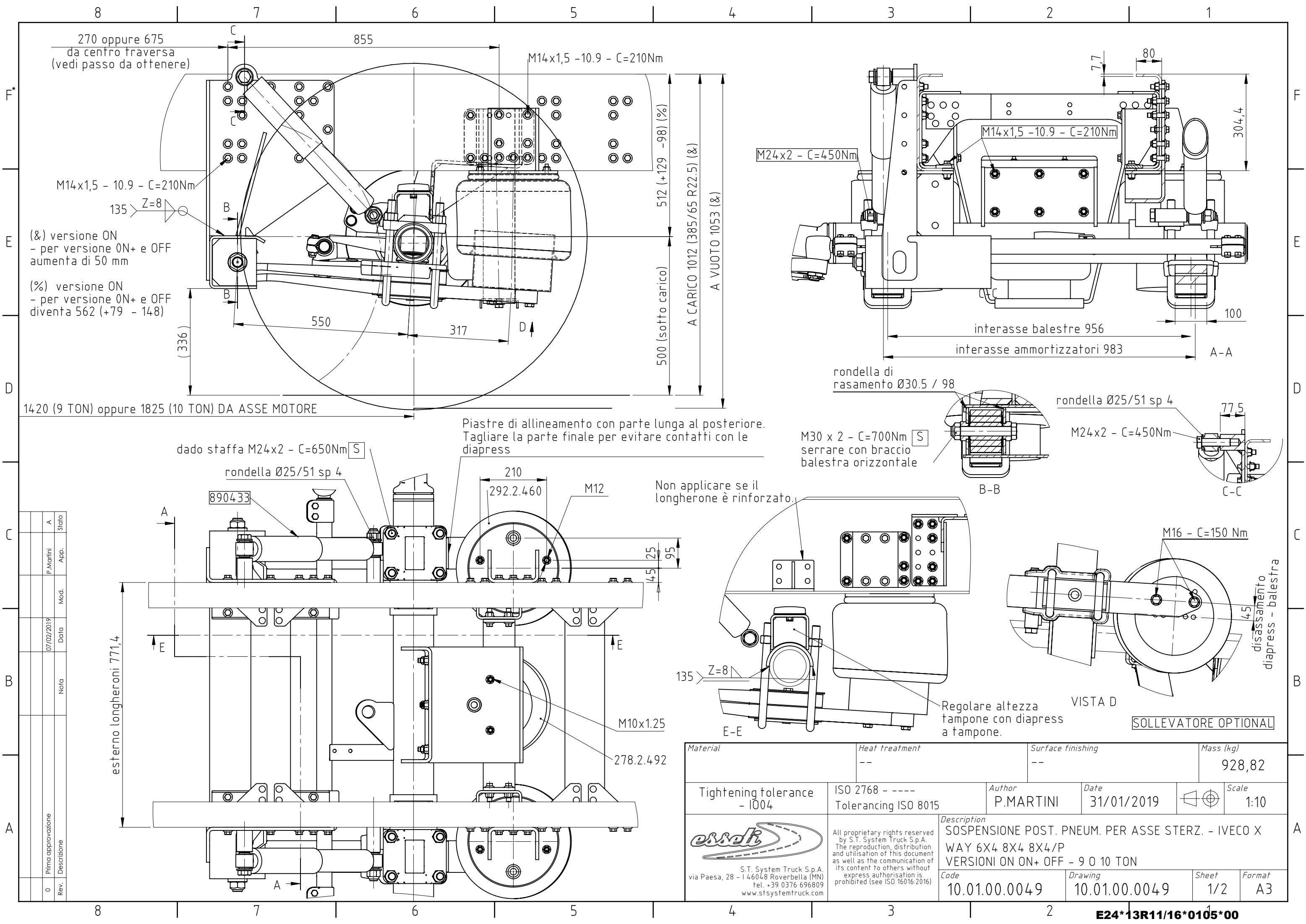
|                                                                                                                                                                                                                          |                                                                               |                                                                                                                                                                                                         |                                                        |                                                                                                                                              |                                                  |                                                  |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------------------------|
|                                                                                                                                                                                                                          | Disegnato con :<br>Modificare solo con:<br>Drawing with:<br>Modify only with: |                                                                                                                                                                                                         | Formato disegno<br>Format Drawing<br><b>A3 UNI 936</b> | Materiale<br>Material<br>--                                                                                                                  | Trattamento termico<br>Heat treatment<br>--      | Finitura superficiale<br>Surface finishing<br>-- | Massa kg<br>Weight kg<br>-- |
| Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione MEDIO<br>Measures without tolerance according to indication according to UNI EN 22768/1, with a degree of precision MEDIUM |                                                                               | Unità di misura<br>Unit of measure<br>lineari - linear: mm<br>angoli: gradi sessagesimali<br>angles: sexagesimal degrees                                                                                |                                                        | Disegnato da<br>Drawing by<br>L.TOGNOLLO                                                                                                     | Controllato da<br>Checked by<br>P.Martini        | Data<br>Date<br>26/01/2017                       | Scala<br>Scale<br>1:10      |
| <br>S.T. System Truck S.p.A.<br>via Paesa, 28 I 46048 Roverbella (MN)<br>tel. +39 0376 696809 - fax +39 0376 1760180<br>www.stsystemtruck.com --- info@stsystemtruck.com                                                 |                                                                               | Disegno di proprietà<br>della S.T. System Truck S.p.A.<br>Vietata la riproduzione<br>non autorizzata.<br>Property of S.T. System Truck<br>S.p.A.<br>Reproduction not permitted,<br>all rights reserved. |                                                        | Descrizione / Description<br><b>SOSPENSIONE POST. PNEUM. ASSE STERZ. IVECO<br/>TRAKKER 6X4 260T 380T<br/>- TRAKKER 8X4 410T - X-WAY 340X</b> |                                                  |                                                  | Foglio Sheet<br>1 / 2       |
|                                                                                                                                                                                                                          |                                                                               |                                                                                                                                                                                                         |                                                        | Codice / Code<br><b>10.01.00.0036</b>                                                                                                        | Disegno / Drawing<br><b>E24*13R11/16*0105*90</b> |                                                  |                             |



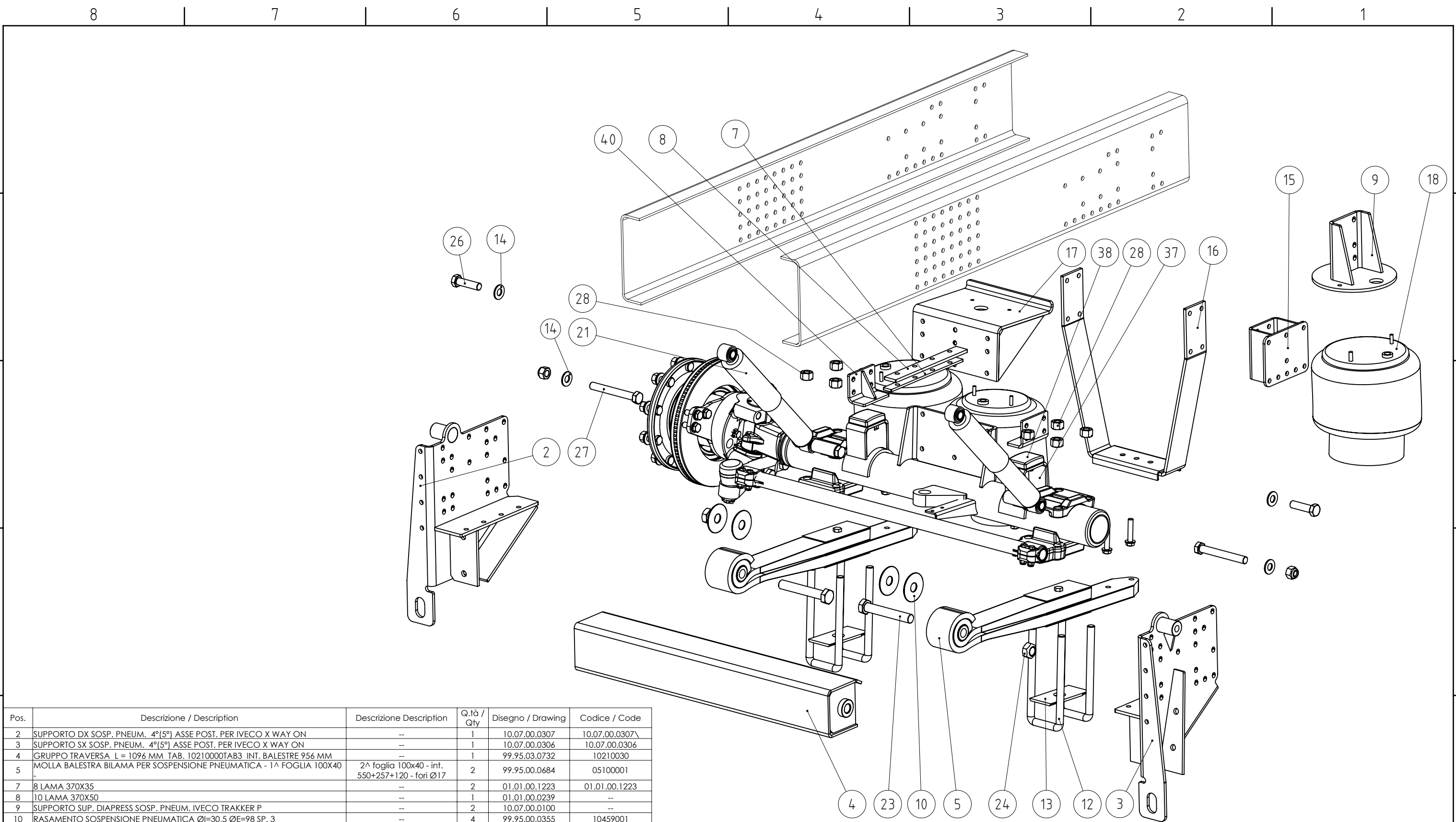
| Pos. | Descrizione / Description                                              | Q./td | Codice / Code |
|------|------------------------------------------------------------------------|-------|---------------|
| 1    | 8 LEVA PER ASTA DI REAZIONE SU FUSELLO                                 | 1     | 01.01.00.0735 |
| 2    | Ammortizzatore per sosp. pneum. 7762 - 890433                          | 2     | 05102005      |
| 3    | BOCCOLA CENTRAGGIO PITONE Ø23,2/20.4 H=33                              | 2     | 03.05.90.0021 |
| 4    | DADO AUTOBLOCCANTE CL.8 UNI 7473 DIN982 M24 X 2                        | 4     | 52000240000   |
| 5    | DADO Flangiato Autobloccante Cl. 10 - M14x1,5 - DIN 6927 - Zincato     | 17    | 06230014000   |
| 6    | DADO STAFFA BALESTRA M 20 X 1,5 - 10                                   | 8     | 10500050      |
| 7    | GR. ASSEMBLATO SUPP. DX SOSP. 3°AX POST. - IVECO TRAKKER 260T/P 380T/P | 1     | 10.07.00.0245 |
| 8    | GR. ASSEMBLATO SUPP. SX SOSP. 3°ASSE POST. - TRAKKER 260T/P 380T/P     | 1     | 10.07.00.0244 |
| 9    | GRUPPO TRAVERSA L = 1070 MM - INTERASSE BALESTRE 830MM                 | 1     | 10.07.10.0439 |
| 10   | LEVA ATTACCO CILINDRO OLEODINAMICO PER ASSALE IVECO ORIGINALE          | 1     | 20980011      |
| 11   | MOLLA PNEUM. DIAPRESS D276/DR (276.1.261) H=110+330 AE=325 CM2         | 1     | 05101005      |
| 12   | MOLLA PNEUMATICA DIAPRESS D278/E (278.2.432/2-ST)                      | 1     | 05101024      |
| 13   | PIASTRA BALESTRA PER ASSALE ORIGINALE IVECO (TRAKKER)                  | 1     | 10.07.05.0051 |
| 14   | RASAMENTO SOSPENSIONE PNEUMATICA DI24,5 DE90 SP. 2.5                   | 4     | 10459004      |
| 15   | RONDELLA CARPENTERIA UNI 5714 D. 20 ZINC.                              | 8     | 73000200000   |
| 16   | RONDELLA FE TRANCIATA Ø=25X51 X4 ZINC                                  | 2     | 206000250000  |
| 17   | SELLA PER APPOGGIO CAVALLOTTI BALESTRA L=90                            | 2     | 10310002      |
| 18   | SEMIBALESTRA SOSP. PNEUM. SEZ. 70X56 L=550 (+280+120) ABBASSAMENTO 110 | 2     | 10.10.00.0007 |
| 19   | SILENTBLOCK AMMORTIZZATORE 7754 - 24/52                                | 4     | 05710020      |
| 20   | SILENTBLOCK MOLLA BALESTRA (Ø30/57 L=102 ESTERNO ACCIAIO)              | 2     | 05710025      |
| 21   | SUPP. SUP. DIAPRESS PER SOSP. PNEUM. SU IVECO TRAKKER                  | 2     | 10.07.00.0246 |
| 22   | SUPPORTO INFERIORE SOLLEVATORE PER 3° ASSE POSTERIORE IVECO 190S C.M.  | 1     | 10940025      |
| 23   | SUPPORTO PER SOLLEVATORE IVECO TRAKKER 1+3                             | 1     | 10.23.10.0046 |
| 24   | Staffa Balestra Tonda M20 x 1,5 x 91 x 180                             | 4     | 10500148      |
| 25   | TE 8.8 ZNC UNI 5740 24 X 2 X 40                                        | 2     | 22300240040   |
| 26   | TE 8.8 5737 24 X 2 X 160                                               | 2     | 222000240160  |
| 27   | VITE TE 8.8 5738 24 X 2 X 100 ZINC                                     | 4     | 222000240100  |
| 28   | Vite TE Flangiata DIN 6921 M 14 x 1,5 x 45 -10.9 - Dacromet            | 16    | 061400140045  |

|                                                                                                                                                                                                                          |                                                                               |                                                                                                                                                                                           |                                                                                                                                      |                                                  |                                             |                                                  |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|--------------------------------------------------|-----------------------------|
|                                                                                                                                                                                                                          | Disegnato con :<br>Modificare solo con:<br>Drawing with:<br>Modify only with: |                                                                                                                                                                                           | Formato disegno<br>Format Drawing<br><b>A3 UNI 936</b>                                                                               | Materiale<br>Material                            | Trattamento termico<br>Heat treatment<br>-- | Finitura superficiale<br>Surface finishing<br>-- | Massa kg<br>Weight kg<br>-- |
| Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione MEDIO<br>Measures without tolerance according to indication according to UNI EN 22768/1, with a degree of precision MEDIUM |                                                                               |                                                                                                                                                                                           | Unità di misura<br>Unit of measure<br>lineari - linear: mm<br>angoli: gradi sessagesimali<br>angles: sexagesimal degrees             | Disegnato da<br>Drawing by<br>L.TOGNOLLO         | Controllato da<br>Checked by<br>P.Martini   | Data<br>Date<br>26/01/2017                       | Scala<br>Scale<br>1:20      |
| <br>S.T. System Truck S.p.A.<br>via Paesa, 28 I 46048 Roverbella (MN)<br>tel. +39 0376 696809 - fax +39 0376 1760180<br>www.stsystemtruck.com --- info@stsystemtruck.com                                                 | ISO 9001:2008<br>                                                             | Disegno di proprietà della S.T.System Truck S.p.A.<br>Vietata la riproduzione non autorizzata.<br>Property of S.T.System Truck S.p.A.<br>Reproduction not permitted, all rights reserved. | Descrizione / Description<br><b>SOSPENSIONE POST. PNEUM. ASSE STERZ. IVECO TRAKKER 6X4 260T 380T - TRAKKER 8X4 410T - X-WAY 340X</b> |                                                  |                                             |                                                  | Foglio Sheet                |
| Codice / Code<br><b>10.01.00.0035</b>                                                                                                                                                                                    |                                                                               |                                                                                                                                                                                           |                                                                                                                                      | Disegno / Drawing<br><b>E24*13R11/16*0105*90</b> |                                             | 10.01.00.0036                                    |                             |





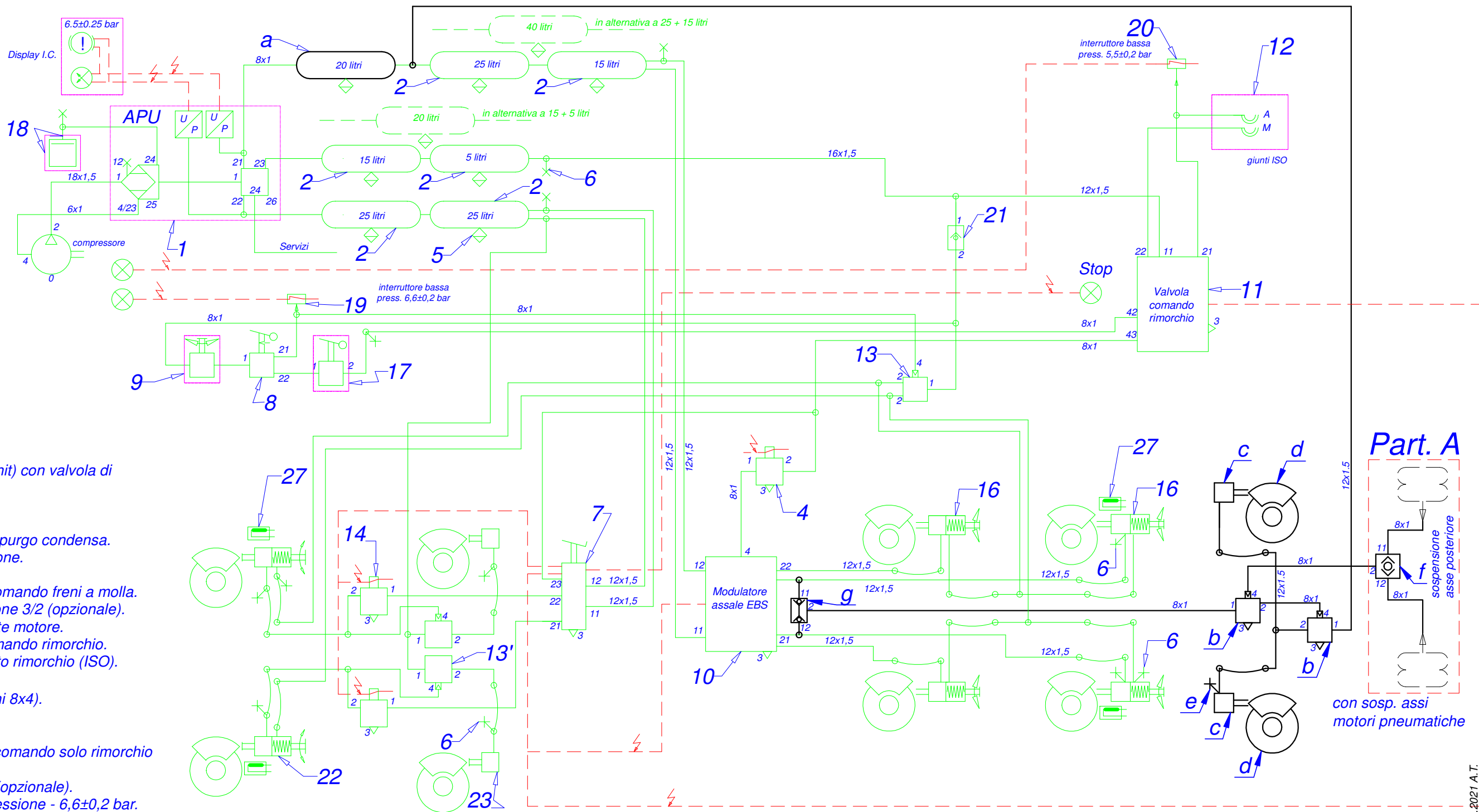
F  
E  
D  
C  
B  
A



| Pos. | Descrizione / Description                                             | Descrizione Description                        | Q.tà / Qty | Disegno / Drawing | Codice / Code  |
|------|-----------------------------------------------------------------------|------------------------------------------------|------------|-------------------|----------------|
| 2    | SUPPORTO DX SOSP. PNEUM. 4°(5°) ASSE POST. PER IVECO X WAY ON         | --                                             | 1          | 10.07.00.0307     | 10.07.00.0307\ |
| 3    | SUPPORTO SX SOSP. PNEUM. 4°(5°) ASSE POST. PER IVECO X WAY ON         | --                                             | 1          | 10.07.00.0306     | 10.07.00.0306  |
| 4    | GRUPPO TRAVERSA L = 1096 MM TAB. 10210000TAB3 INT. BALESTRE 956 MM    | --                                             | 1          | 99.95.03.0732     | 10210030       |
| 5    | MOLLA BALESTRA BILAMA PER SOSPENSIONE PNEUMATICA - 1^ FOGLIA 100X40   | 2^ foglia 100x40 - int. 550+257+120 - fori Ø17 | 2          | 99.95.00.0684     | 05100001       |
| 7    | 8 LAMA 370X35                                                         | --                                             | 2          | 01.01.00.1223     | 01.01.00.1223  |
| 8    | 10 LAMA 370X50                                                        | --                                             | 1          | 01.01.00.0239     | --             |
| 9    | SUPPORTO SUP. DIAPRESS SOSP. PNEUM. IVECO TRAKKER P                   | --                                             | 2          | 10.07.00.0100     | --             |
| 10   | RASAMENTO SOSPENSIONE PNEUMATICA ØI=30,5 ØE=98 SP. 3                  | --                                             | 4          | 99.95.00.0355     | 10459001       |
| 11   | Piastra di regolazione allineamento assale (sospensione pneumatica)   | --                                             | 2          | 99.95.03.0772     | 10459050       |
| 12   | STAFFA BALESTRA M24X2 X 101 X 310                                     | --                                             | 4          | 99.95.03.0793     | 10500010       |
| 13   | LAMA 90x200x8 PER SUPP. INF. DIAPRESS E APPOGGIO CAVALLOTTI           | --                                             | 2          | 99.95.03.0154     | 10300029       |
| 14   | RONDELLA FE UNI 6592 ZINC. DI=24                                      | USO GENERALE                                   | 4          | 99.95.06.0999     | 203000240000   |
| 15   | SUPPORTO PER SOLLEVATORE - INTERNO TELAIO PER IVECO                   | --                                             | 2          | 10.23.10.0016     | --             |
| 16   | GRUPPO ASSEMBLATO CULLA SOLLEVATORE - ASSE POST. SU IVECO TRAKKER P   | --                                             | 1          | 10.23.10.0017     | --             |
| 17   | COPERCHIO MOLLA SOLLEVATORE                                           | --                                             | 1          | 99.95.04.0330     | 10940079       |
| 21   | Ammortizzatore per sosp. pneum. 7762 - 890433                         | --                                             | 2          | 99.95.00.0750     | 05102005       |
| 23   | VITE TE 8.8 M30X3.5X190 PER BALESTRA SOSPENSIONE PNEUMATICA           | --                                             | 2          | 99.95.05.0472     | 10500151       |
| 24   | DADO AB M 30 X 3,5 CL. 8.8 (PER VITE BALESTRA SOSPENSIONE PNEUMATICA) | --                                             | 2          | 99.95.05.0040     | 10500101       |
| 25   | Vite TE Flangiata DIN 6921 M 14 x 1,5 x 45 -10.9 - Dacromet           | --                                             | 104        | 99.95.03.0023     | 061400140045   |
| 26   | VITE TE 8.8 5738 24 X 2 X 90 ZINC                                     | --                                             | 2          | 99.95.05.0476     | 222000240090   |
| 27   | VITE TE 8.8 5737 ZINC. 24X190                                         | --                                             | 3          | 99.95.05.0559     | 220000240190   |
| 28   | DADO STAFFA BALESTRA M 24 X 2 CL. 10                                  | --                                             | 8          | 99.95.05.0021     | 10500051       |
| 31   | DADO AUTOBLOCCANTE CL.8 UNI 7473 DIN982 M24 X 2                       | --                                             | 3          | 99.95.04.0964     | 52000240000    |
| 37   | SUPPORTO TAMP. FINECORS A SALDARE SU ASSALE PER SOSP. 10.01.00.0015   | --                                             | 2          | 50.50.05.0045     | 50.50.05.0045  |
| 38   | TAMPONE IN GOMMA PER FINECORS A SOSPENSIONE - 9066419                 | --                                             | 2          | 10.21.00.0059     | 10.21.00.0059  |
| 39   | DADO AUTOBL. CL10 (8G) UNI 7473 - M 10                                | --                                             | 4          | 99.95.10.0999     | 50100100000    |
| 40   | RINFORZO LONGHERONE IVECO PER APPL. TAMPONE DI FINECORS A             | --                                             | 2          | 50.50.00.0244     | 50.50.00.0244  |
| 41   | ASSALE STERZANTE 10 TON                                               | --                                             | 1          | 50.50.00.0244     | S08C101625     |

|                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                         |  |                                                                                                                            |                          |                                                                                       |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|---------------|
| Material                                                                                                                                                                                                      |  | Heat treatment                                                                                                                                                                                                                                                          |  | Surface finishing                                                                                                          |                          | Mass (kg)                                                                             |               |
|                                                                                                                                                                                                               |  | --                                                                                                                                                                                                                                                                      |  | --                                                                                                                         |                          | 928,82                                                                                |               |
| Tightening tolerance<br>- I004                                                                                                                                                                                |  | ISO 2768 - ----<br>Tolerancing ISO 8015                                                                                                                                                                                                                                 |  | Author<br>P.MARTINI                                                                                                        | Date<br>31/01/2019       |  | Scale<br>1:10 |
| <br>S.T. System Truck S.p.A.<br>via Paesa, 28 - I 46048 Roverbella (MN)<br>tel. +39 0376 696809<br>www.stsystemtruck.com |  | All proprietary rights reserved<br>by S.T. System Truck S.p.A.<br>The reproduction, distribution<br>and utilisation of this document<br>as well as the communication of<br>its content to others without<br>express authorisation is<br>prohibited (see ISO 16016:2016) |  | Description<br>SOSPENSIONE POST. PNEUM. PER ASSE STERZ. - IVECO X<br>WAY 6X4 8X4 8X4/P<br>VERSIONI ON ON+ OFF - 9 0 10 TON |                          |                                                                                       |               |
|                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                         |  | Code<br>10.01.00.0049                                                                                                      | Drawing<br>10.01.00.0049 | Sheet<br>2/2                                                                          | Format<br>A3  |

E24\*13R11/16\*0105\*00

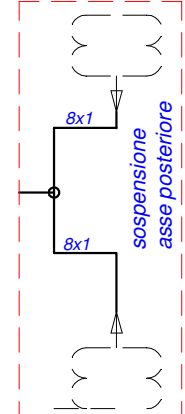


- LEGENDA**
- 1 - APU (air processing unit) con valvola di protezione a 4 vie.
  - 2 - Serbatoio aria.
  - 4 - Elettrovalvola 3/2
  - 5 - Valvola manuale per spurgo condensa.
  - 6 - Presa controllo pressione.
  - 7 - CBU.
  - 8 - Distributore a mano comando freni a molla.
  - 9 - Valvola di intercettazione 3/2 (opzionale).
  - 10 - Modulatore EBS ponte motore.
  - 11 - Servodistributore comando rimorchio.
  - 12 - Giunto accoppiamento rimorchio (ISO).
  - 13 - Valvola relé.
  - 13' - Valvola relé (versioni 8x4).
  - 14 - Elettrovalvola ABS.
  - 16 - Cilindro freno.
  - 17 - Distributore a mano comando solo rimorchio (opzionale).
  - 18 - Valvola di sicurezza (opzionale).
  - 19 - Interruttore bassa pressione - 6,6±0,2 bar.
  - 20 - Interruttore bassa pressione - 5,5±0,2 bar.
  - 21 - Valvola di ritenuta.
  - 22 - Cilindro freno (versioni 8x4).
  - 23 - Cilindro freno.
  - 25 - Doppia valvola di arresto (selettore massima pressione).
  - 27 - Sensore

Componenti aggiunti per l'allestimento asse posteriore

- a - Serbatoio aria 20 l (approvato CE).
- b - valvola relé.
- c - Cilindro freno tipo 14".
- d - Freno disco
- e - presa di controllo pressione.
- f - Selettore di circuito - utilizzo p massima.
- g - Selettore di circuito - utilizzo p minima.
- Cs Cd - Contatti allarme usura freni.

**Part. A**



con sosp. assi motori meccaniche

**NOTA BENE:** lo schema del veicolo base (in verde) è riportato a scopo indicativo.

**Per le caratteristiche riferirsi all'omologazione del veicolo stesso.**

Schema impianto pneumatico sospensioni e servizi: vedi foglio 2/3 oppure 3/3

|                                                                                              |                              |                    |                |                                                                                                                                                 |                               |
|----------------------------------------------------------------------------------------------|------------------------------|--------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Disegnato da<br>F. Martini                                                                   | Controllato da<br>P. Martini | Data<br>26/11/2020 | Scala<br>..... | Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione .....                                             | Formato disegno<br>A3 UNI 936 |
|                                                                                              |                              |                    |                | TITOLO<br>SCHEMA IMPIANTO PNEUMATICO - IVECO X-WAY 6X4 OPPURE 8x4<br>FRENI EBS - ASSALE POSTERIORE CON SOLLEVATORE E TRASPOSITORE - FRENO DISCO |                               |
| S.T. System Truck S.p.A.<br>via Paesa, 28 - I 46048 Roverbella (MN)<br>tel. +39 0376 696809  |                              |                    |                | N° DISEGNO<br><b>25.01.05.0059</b><br>E24*13R11/16*0105*00                                                                                      | Modifica<br>3 del 17.02.21    |
| Disegno di proprietà della S.T. System Truck s.r.l. Vietata la riproduzione non autorizzata. |                              |                    |                | Foglio<br>1/3                                                                                                                                   |                               |

3 - Cambiati cilindri freno 5° asse - 17.02.2021 A.T.  
2 - Aggiornato schema per omologazione - 26.11.2020 A.T.  
1 - Reso generico per 6x4 e 8x4, e aggiornato per versione MY2019 - 05.05.2020 P.M.



Ausführung A  
Version A  
Versione A

### Poti-Befestigung mittels Bleeschieber

[illegible]