



NSAI

ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:² ~~Approval granted~~
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitively discontinued~~

of a vehicle type with regard to steering equipment pursuant to Regulation No. 79.

Approval No: **E24*79R02/01*0059*01**

Reason(s) for extension: ***-Addition of versions (EURO VI E engines)***

- | | | |
|-----|---|---|
| 1. | Trade name or mark of vehicle: | <i>Iveco / System Truck</i> |
| 2. | Vehicle Type: | <i>ST 5P MS34Y 79R</i> |
| | Variant(s): | <i>See information document
ST_5P_MS34Y_79R_01 for details</i> |
| | Commercial description: | <i>See information document point 0.2.1.</i> |
| 3. | Manufacturer's name and address: | <i>S.T. System Truck S.p.A.
Via Paesa, 28
IT-46048 Roverbella (MN)
Italy</i> |
| 4. | If applicable, name and address of manufacturer's representative: | <i>N/A</i> |
| 5. | Brief description of the steering equipment: | |
| 5.1 | Type of steering equipment: | <i>Power assisted steering</i> |
| 5.2 | Steering Control: | <i>Steering wheel</i> |
| 5.3 | Steering Transmission: | <i>Mechanical</i> |

Approval No: E24*79R02/01*0059*01

- 5.4 Steered Wheels: **1st, 2nd and 5th axle**
- 5.5 Energy Source: **Hydraulic assistance**
6. Results of tests, vehicle characteristics:
- 6.1 Steering effort required to achieve a turning circle of 12m radius with an intact system and 20m radius with a system in the failed condition:
- 6.1.1 Under normal conditions:

Turning circle	Steering effort	
12 m radius	Limit [daN]	Measured [daN]
Left	20	8.5
Right	20	7

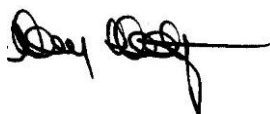
- 6.1.2 After failure of special equipment:

Turning circle	Steering effort	
20 m radius	Limit [daN]	Measured [daN]
Left	45	27.5
Right	45	26

- 6.2 Other tests required by this regulation (pass/~~fail~~): **Pass**
- 6.3 Adequate documentation in accordance with Annex 6 was supplied in respect of the following parts of the steering system: **N/A**
7. Applicable only to towing vehicles
- 7.1. The towing vehicle is / is not¹ equipped with an electrical connector fulfilling the relevant requirements of Annex 7: **N/A**
- 7.2. The maximum current available is: **N/A**
8. Applicable only to trailers
- 8.1. The steering system of the trailer fulfils the relevant provisions of Annex 7 to UN Regulation No. 79: **Yes/No**
- 8.2. The maximum current required for the trailer steering system is **N/A**
- 8.3. The trailer steering system is/is not² able to supply auxiliary equipment on the trailer with electrical energy: **N/A**

¹ Strike out what does not apply.

Approval No: E24*79R02/01*0059*01

9. Vehicle submitted for approval on: *As before and 01.03.2022*
10. Technical service responsible for conducting approval tests: *FAKT S.r.l.,
Via Lithos, 53
I-25086 Rezzato (BS)
Italy*
11. Date of report issued by that service: *As before and 28.02.2022*
12. Number of report issued by that service: *IT21/0230 up to - 01*
13. Approval ~~granted~~/extended/~~refused~~/~~withdrawn~~:² *Extended*
14. Position of the approval mark on the vehicle: *Adhesive plate on the front wall behind radiator grill*
15. Place: *Dublin*
16. Date: *21st March, 2022*
17. Signature: 
18. Annexed to this communication is a list of documents in the approval file deposited at the administration services having delivered the approval and which can be obtained on request.



² Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).

Index to the Information Package

Date of issue: **7th April, 2021**

Date of latest amendment: **21st March, 2022**

Reason for extension/~~revision~~: **-Addition of versions (EURO VI E engines)**

1. Additional conditions, and advisory notes on legal alternatives.

2. Test report(s)

- numbers(s): **IT21/0230 up to - 01**

- date of issue: **09.03.2021**

- date of latest amendment: **28.02.2022**

3. Information document

- number(s): **ST_5P_MS34Y_79R_01**

- date of issue: **01.02.2021**

- date of latest amendment: **03.02.2022**

Documentation: **34 pages**



Approval No: E24*79R02/01*0059*01

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.: IT21/0230 - 01
UN-R79-02

Type: ST 5P MS34Y 79R

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



Test Report

No. IT21/0230 Vers. 01

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 with regard to steering equipment

UN-R79

of 01.06.1970

as last amended by

series of amendments 02 – Supplement 01

of 16.10.2018

Approval status

☐	Granting of a type approval No. ...
☒	Extension to type approval No. E24*79R02/01*0059*00
☐	Correction to type approval No. ...
☐	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.

Test Report No.: IT21/0230 - 01
UN-R79-02

Type: ST 5P MS34Y 79R

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



0 General

- 0.1 Make : Iveco / System Truck
- 0.2 Type : ST 5P MS34Y 79R
- 0.2.1 Variant(s)/version(s) : See information document
- 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_79R_01
- Date of issue : 01.02.2021
- Date of last change : 03.02.2022
- 0.6 List of modifications : - Addition of versions (EURO VI E engines)

Test Report No.: IT21/0230 - 01
UN-R79-02

Type: ST 5P MS34Y 79R

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



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

- 1.1 Description: : representative vehicle
- 1.1.1 Type: : ST 5P MS34Y 79R
Variant: : 4C1622
Version: : DAAECW13ND2DSN B
VIN (Stage 1): : WJMJ63MWZMC441695
- 1.1.2 Gear box type: : 12TX 2620 TD
No. of gears: : 12
- 1.1.3 Number and arrangement of axles: : 5; 1st steering / non powered axle
2nd steering / non powered axle
3rd fixed / powered axle
4th fixed / powered axle
5th steering (ASE) / non powered axle
- 1.1.4 Wheelbase(s): : 1-2: 1875 mm
2-3: 4325 mm
3-4: 1395 mm
4-5: 1410 mm
- 1.1.5 Tyres
1st axle : 315/80 R22,5 (single)
2nd axle : 315/80 R22,5 (single)
3rd axle : 315/80 R22,5 (twin)
4th axle : 315/80 R22,5 (twin)
5th axle : 385/65 R22,5 (single)
- 1.1.6 Kind of suspension: : 1st mechanical
2nd mechanical
3rd pneumatic
4th pneumatic
5th pneumatic
- 1.1.7 Engine
Manufacturer: : FPT Industrial S.p.A.
Type: : F3HGE611A*N

Test Report No.: IT21/0230 - 01
UN-R79-02

Type: ST 5P MS34Y 79R

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



1.1.8 Steering

Type of steering transmission : steering wheel connected by a universal joint shaft to the steering gear-box which transmits the steering force to the front wheels (1st, 2nd and 5th axle) through leverages and articulated joints

Linkage to wheels : Mechanical

Method of assistance : balls circulation hydraulic steering (Type ZF8099)

1.1.9 Mass of vehicle during test(s)

	laden (series of test A)	laden (series of test B)
Total:	46390 kg	46390 kg
1 st axle:	9040 kg	6850 kg
2 nd axle:	9070 kg	6840 kg
3 rd axle:	9650 kg	11350 kg
4 th axle:	9680 kg	11320 kg
5 th axle:	8950 kg	10030 kg

1.1.10 Maximum speed: : 90 km/h

2 Test record

2.1 Place of test : IT-Roverbella (MN)
Date of test : series of tests A-B: 09.03.2021

2.2 Parameter of the test area

Test track : Asphalt & concrete dry, ceramic tiles wet

Air temperature : series of tests A-B: 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-B

- 2.4.1 General provisions : Fulfilled
(see also point 2.4.7.)
- 2.4.2 Special provisions for trailers : Not applicable
- 2.4.3 Failure provisions and performance : Fulfilled
(see also point 2.4.7.)
- 2.4.4 Warning signals : Fulfilled
- 2.4.5 Provisions for the periodic technical inspection of steering equipment : Fulfilled
- 2.4.6 Provisions for ACSF : Not applicable (vehicle not equipped with an ACSF)
- 2.4.7 Provisions for motor vehicles
- It shall be possible to leave a curve with a radius of 50 m at a tangent without unusual vibration in the steering equipment at 40 km/h : Fulfilled
- Steering effort : Series of tests A
- Intact steering equipment : Turning radius: 12m
Steering control effort to the right: 85N
Steering control time to the right: 3.2s
Steering control effort to the left: 70N
Steering control time to the left: 3.3s
- Failure in the steering equipment : Turning radius: 20m
Steering control effort to the right: 275N
Steering control time to the right: 3.4s
Steering control effort to the left: 260N
Steering control time to the left: 3.6s

Test Report No.: IT21/0230 - 01
UN-R79-02

Type: ST 5P MS34Y 79R

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



- 2.4.8 Additional provisions for vehicles : Series of tests B:
equipped with ASE Fulfilled
- 2.5 Remarks : The added versions have not been consid-
ered to be worst cases regarding the tests
carried out.

3 Enclosures:

1. Further enclosures : Not applicable

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 6.
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TEST LABORATORY

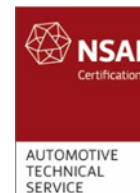
Rezzato, 28.02.2022
ah/aa

File No.:



PR-22/0076

A. Adami
Test engineer



E-Mail: aadami@fakt.it
Tel: +39-030-2592700
Fax: +39-030-2590395



INDICE DEL FASCICOLO DI OMOLOGAZIONE
INDEX TO THE INFORMATION PACKAGE

Veicolo: <i>Vehicle:</i>	Autotelaio per autoveicolo <i>Chassis without bodywork</i>
Categoria del veicolo: <i>Category of vehicle:</i>	N3
Nome e indirizzo del costruttore: <i>Name and address of manufacturer:</i>	(fase 1) Iveco Magirus AG (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: <i>Name and address of the manufacturer's representative (if any):</i>	non ricorre <i>not applicable</i>
Nome e indirizzo del trasformatore: <i>Name and address of converter:</i>	S.T. System Truck S.p.A. I-46048 Roverbella (MN) - Via Paesa, 28
Marca (denominazione commerciale del costruttore): <i>Make (trade name of manufacturer):</i>	Iveco / System Truck
Tipo: <i>Type:</i>	ST 5P MS34Y 79R

Scheda informativa: <i>Information document:</i>	ST_5P_MS34Y_79R_01		del <i>of</i>	03.02.2022
chiave interpretazione varianti e versioni <i>variants and versions explanation key</i>	ST_5P_MS34Y_79R_01	allegato 0.0 <i>annex 0.0</i>	del <i>of</i>	03.02.2022
combinazioni possibili <i>permissible combination</i>	ST_5P_MS34Y_79R_01	allegato 0.1 <i>annex 0.1</i>	del <i>of</i>	03.02.2022
masse e dimensioni <i>masses and dimensions</i>	ST_5P_MS34Y_79R_01	allegato 1 <i>annex 1</i>	del <i>of</i>	03.02.2022
sospensione <i>suspension</i>	ST_5P_MS34Y_79R_01	allegato 2 <i>annex 2</i>	del <i>of</i>	03.02.2022

Disegni allegati: <i>Attachment drawings:</i>				
disegno complessivo: <i>overall drawing:</i>	55.01.00.0124	rev.0 <i>rev.0</i>	del <i>of</i>	10.02.2020
impianto pneumatico sospensioni: <i>suspension pneumatic layout:</i>	25.01.05.0059 fogli 2 e 3 <i>page 2 and 3</i>	rev. 3 <i>rev. 3</i>	del <i>of</i>	17.02.2021
disegno sospensione asse aggiunto: <i>added axle suspension drawing:</i>	10.01.00.0036	rev. 0 <i>rev. 0</i>	del <i>of</i>	30.01.2017
disegno sospensione asse aggiunto: <i>added axle suspension drawing:</i>	10.01.00.0049	rev. 0 <i>rev. 0</i>	del <i>of</i>	07.02.2019
schemi dell'asse o degli assi sterzanti: <i>steering system diagram:</i>	5802287105	rev. A0 <i>rev. A0</i>	del <i>of</i>	11.2015
schema complessivo dell'equipaggiamento sterzo: <i>diagram of the steering equipment:</i>	55802512698	rev. A0 <i>rev. A0</i>	del <i>of</i>	15.06.2018
schema sterzata S.T. "Technology": <i>S.T. "Technology" steering system diagram:</i>	30000001	rev. 4 <i>rev. 4</i>	del <i>of</i>	08.06.2004



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
Nr ST_5P_MS34Y_79R_01
del
of 03.02.2022

INDICE INDEX

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1.	CARATTERISTICHE COSTRUTTIVE GENERALI DEL VEICOLO <i>GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE</i>	pag. 2 <i>page 2</i>
2.	MASSE E DIMENSIONI <i>MASSES AND DIMENSIONS</i>	pag. 3 <i>page 3</i>
6.	SOSPENSIONI <i>SUSPENSION</i>	pag. 4 <i>page 4</i>
7.	STERZO <i>STEERING</i>	pag. 5 <i>page 5</i>
	CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI <i>VARIANTS AND VERSIONS EXPLANATION KEY</i>	All. 0.0 <i>Ann. 0.0</i>
	COMBINAZIONI POSSIBILI <i>PERMISSIBLE COMBINATION</i>	All. 0.1 <i>Ann. 0.1</i>



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
Nr ST_5P_MS34Y_79R_01
del
of 03.02.2022

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 79R
ST 5P MS34Y 79R
- 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: numero di omologazione del tipo su targhetta
type approval number on manufacturer's plate
- 0.3.1. Posizione della marcatura:
Location of that marking: su targhetta VIN
on VIN plate
- 0.4. Categoria del veicolo:
Category of vehicle: N3
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
- 0.10. Posizione e modalità di fissaggio del marchio di omologazione sul veicolo:
Location and method of attachment of approval mark on the vehicle: targhetta adesiva su parete frontale, dietro griglia radiatore
adhesive plate on the front wall behind radiator grill

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

varianti - versioni:
variants - versions:

4C1622 - ??????????????? ?



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
Nr ST_5P_MS34Y_79R_01
del
of 03.02.2022

1.3.	Numero di assi e di ruote: <i>Number of axles and wheels:</i>	5	assi, <i>axles,</i>	14 ruote <i>14 wheels</i>	
1.3.1.	Numero e posizione degli assi a ruote gemellate: <i>Number and position of axles with twin wheels:</i>	2	assi, <i>axles,</i>	3° e 4° asse <i>3rd and 4th axle</i>	
1.3.2.	Numero e posizione degli assi sterzanti: <i>Number and position of steered axles:</i>	3	assi, <i>axles,</i>	1°, 2° e 5° asse <i>1st, 2nd and 5th axle</i>	
1.3.3.	Assi motore (numero, posizione, interconnessione): <i>Powered axles (number, position, interconnection):</i>	2	assi, <i>axles,</i>	3° e 4° asse <i>3rd and 4th axle</i>	albero di trasm. <i>propeller shaft</i>
1.8.	Lato di guida: <i>Hand of drive:</i>	a sinistra <i>left</i>	oppure <i>or</i>	a destra <i>right</i>	
2.	MASSE E DIMENSIONI (in kg e mm) MASSES AND DIMENSIONS (in kg and mm) (eventualmente con riferimento ai disegni) (refer to drawing where applicable)				
2.1.	Interasse o interassi (a pieno carico) <i>Wheelbase(s) (fully loaded)</i>	vedere allegato n° <i>see annex Nr. 1</i>		1	
2.3.1.	Carreggiata di ciascun asse sterzante: <i>Track of each steered axle:</i>	1° e 2°: 2040 ÷ 2140 mm <i>1st and 2nd 2040 ÷ 2140 mm</i>		5°: 2038, 2045 o 2309 mm <i>5th: 2038, 2045 or 2309 mm</i>	
2.4.	Dimensioni (fuori tutto) del veicolo <i>Range of vehicle dimensions (overall)</i>				
2.4.1.	Telai non carrozzati <i>For chassis without bodywork</i>				
2.4.1.1	Lunghezza: <i>Length:</i>	max 12000 mm <i>max 12000 mm</i>			
2.4.1.2	Larghezza: <i>Width:</i>	max 2550 mm <i>max 2550 mm</i>			
2.4.1.4.	Sbalzo anteriore: <i>Front overhang:</i>	1410 mm <i>1410 mm</i>			
2.4.1.5.	Sbalzo posteriore: <i>Rear overhang:</i>	805 ÷ 2120 mm <i>805 ÷ 2120 mm</i>			
2.4.2.	Telai carrozzati <i>For chassis with bodywork</i>				
2.4.2.1.	Lunghezza: <i>Length:</i>	non ricorre <i>not applicable</i>			
2.4.2.2.	Larghezza: <i>Width:</i>	non ricorre <i>not applicable</i>			
2.4.2.4.	Sbalzo anteriore: <i>Front overhang:</i>	non ricorre <i>not applicable</i>			
2.4.2.5.	Sbalzo posteriore: <i>Rear overhang:</i>	non ricorre <i>not applicable</i>			
2.8.	Massa massima a pieno carico tecnicamente ammissibile dichiarata dal costruttore: <i>Technically permissible maximum laden mass stated by the manufacturer:</i>	41000 kg <i>41000 kg</i>			
2.9.	Carico/massa massima tecnicamente ammissibile su ciascun asse: <i>Technically permissible maximum mass on each axle:</i>	vedere allegato n° 1 <i>see annex Nr. 1</i>			



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
Nr ST_5P_MS34Y_79R_01
del
of 03.02.2022

- 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
6. **SOSPENSIONI**
SUSPENSION
- 6.2. Tipo e modello della sospensione di ciascun asse o ruota: vedere disegno n° 25.01.05.0059 fogli 2 e 3
Type and design of the suspension of each axle or wheel: rev. 3 del 17.02.2021
see drawing No. 25.01.05.0059 page 2 and 3 rev. 3 of 17.02.2021
- 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
- 4°: sospensione pneumatica, ammortizzatori idraulici
air suspension, hydraulic shock absorbers
- 5°: vedere allegato n° 2
see annex Nr. 2
- 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° 2
see annex Nr. 2
- 6.6.1.1.2. Asse 2:
Axle 2: vedere allegato n° 2
see annex Nr. 2
- 6.6.1.1.3. Asse 3:
Axle 3: vedere allegato n° 2
see annex Nr. 2
- 6.6.1.1.4. Asse 4:
Axle 4: vedere allegato n° 2
see annex Nr. 2
- 6.6.1.1.5. Asse 5:
Axle 5: vedere allegato n° 2
see annex Nr. 2
- 6.6.3. Pressione/i degli pneumatici raccomandata dal fabbricante del veicolo:
Tyre pressure(s) as recommended by the vehicle manufacturer:



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6.6.3.1.	1° asse: 1 st axle:	vedere 6.6.1.1.1. see 6.6.1.1.1.
6.6.3.2.	2° asse: 2 nd axle:	vedere 6.6.1.1.2. see 6.6.1.1.2.
6.6.3.3.	3° asse: 3 rd axle:	vedere 6.6.1.1.3. see 6.6.1.1.3.
6.6.3.4.	4° asse: 4 th axle:	vedere 6.6.1.1.4. see 6.6.1.1.4.
6.6.3.5.	5° asse: 5 th axle:	vedere 6.6.1.1.5. see 6.6.1.1.5.
7.	STERZO STEERING	
7.1.	Schemi dell'asse o degli assi sterzanti: <i>Steering system diagram:</i>	dis. n° 5802287105 del 11.2015 rev. A0 e n° 30000001 del 08.06.2004 rev. 4 <i>drawing No. 5802287105 of 11.2015 rev. A0 and No. 30000001 of 08.06.2004 rev. 4</i>
7.2.	Trasmissione e comando <i>Transmission and control</i>	
7.2.1.	Tipo di trasmissione dello sterzo (precisare se anteriore o posteriore): <i>Type of steering transmission (specify for front and rear, if applicable):</i>	volante collegato mediante un albero alla scatola dello sterzo che trasmette la forza dello sterzo alle ruote anteriori (1° e 2° asse) mediante leveraggi e giunti a snodo al 5° asse mediante sistema idraulico <i>steering wheel connected by a universal joint shaft to the steering gear-box which transmits the steering force to the front wheels (1st and 2nd axle) through leverages and articulated joints and to the 5th axle by hydraulic system</i>
7.2.2.	Trasmissione alle ruote (compresi sistemi diversi da quelli meccanici; eventualmente, specificare se anteriore o posteriore): <i>Linkage to wheels (including other than mechanical means; specify for front and rear, if applicable):</i>	vedere punto 7.2.1. <i>see item 7.2.1.</i>
7.2.3.	Tipo degli eventuali servocomandi: <i>Method of assistance, if any:</i>	idroguida a circolazione di sfere (ZF opp. Bosch 8099) e sistema di sterzata S.T. "Technology" <i>balls circulation hydraulic steering (ZF or Bosch 8099) and S.T. "Technology" steering system</i>
7.2.4.	Schema complessivo dell'equipaggiamento sterzo illustrante la posizione sul veicolo dei vari dispositivi di sterzata: <i>Diagram of the steering equipment as a whole, showing the position on the vehicle of the various devices influencing its steering behaviour:</i>	dis n° 55802512698 del 15.06.2018 rev. A0 <i>drawing No. 55802512698 of 15.06.2018 rev. A0</i>
7.2.5.	Schema del comando sterzo <i>Schematic diagram of the steering control</i>	
7.3.	Angolo massimo di sterzata delle ruote <i>Maximum steering angle</i>	
7.3.1.	A destra: Numero di giri del volante (o dati equivalenti): <i>To the right: Number of turns of the steering wheel (or equivalent data)</i>	vedere punto 7.2.4. vedere punto 7.2.4. <i>see item 7.2.4. see item 7.2.4.</i>
7.3.2.	A sinistra: Numero di giri del volante (o dati equivalenti):	vedere punto 7.2.4. vedere punto 7.2.4.



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To the left:

Number of turns of the steering wheel (or equivalent data):

see item 7.2.4.

see item 7.2.4.

Revisione 0 del 03.02.2022
Revision of

x La Ditta

(ing. Paolo MARTINI)

Ruolo: Direttore tecnico

Position: Technical Director



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CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI VARIANTS AND VERSIONS EXPLANATION KEY

Caratteristiche Characteristics	Descrizione Description	Tipo Type	Varianti Variants	Versioni Versions
Nome costruttore fase 2 <i>Stage 2 manufacturer's company name</i>	S.T. System Truck S.p.A.	ST		
Tipo di modifica della fase 2 <i>Stage 2 modify kind</i>	Aggiunta 5° asse posteriore <i>5th rear axle added</i>	5P		
Marca, modello, categoria, tipo e numero di assi della fase 1 <i>Make, model, category and number of axles of stage 1</i>	Iveco Magirus, X-Way ON MY 2019 e MY 2021, cat. N3, 350X e 360X, 4 assi <i>Iveco Magirus, X-Way ON MY 2019 and MY 2021, cat. N3, 350X and 360X, 4 axles</i>	MS34Y		
Fase di completamento <i>Extent of build</i>	incompleto (cabinato non carrozzato) <i>incomplete (chassis cab without body)</i>		4	
Motore <i>Engine</i>	combustione interna <i>internal combustion</i>		C	
Principio di funzionamento <i>Working principle</i>	accensione spontanea <i>compression ignition</i>		1	
Numero di cilindri <i>Cylinders number</i>	6 in linea <i>6 in line</i>		6	
Numero assi motore <i>Number driving axle</i>	2 (3° e 4° asse) <i>2 (3rd and 4th axle)</i>		2	
Numero assi anteriori sterzanti <i>Number front steering axle</i>	2 (1° e 2° asse) <i>2 (1st and 2nd axle)</i>		2	
Massa massima GVW	41000 kg			C
	41000 kg			D
	41000 kg			F
Massa massima su 1° asse <i>Maximum mass on 1st axle</i>	8000 kg			A
	7500 kg			B
	8500 kg			C
	9000 kg			D
Massa massima su 2° asse <i>Maximum mass on 2nd axle</i>	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 Characteristics	Descrizione Description	Tipo Type	Varianti Variants	Versioni Versions
Massa massima su 3° asse Maximum mass on 3 rd axle	11500 kg 9500 o/or 10500 kg			C E
Massa massima su 4° asse Maximum mass on 4 th axle	9500 o/or 10500 kg 11500 kg			C D
Rimorchiabilità Towing vehicle	Non atto al traino / No trailer Atto al traino / Unbraked trailer			X W
Cilindrata Engine capacity	8710 cm ³ 11120 cm ³ 12882 cm ³			09 11 13
Potenza del motore Engine power	265 kW 309 kW 338 kW 353 kW 294 kW 375 kW 387 kW 419 kW			A B E G L M Y N
Carburante Fuel	Gasolio Diesel			D
Rumore in marcia Running noise level	80 dB 81 dB 82 dB			0 1 2
Emissioni Emissions	EURO VI D Euro VI E			D E
Tipo cabina Cab type	AD AT AS			D T S
ADR	con ADR / with ADR con ADR classe AT / with ADR Class AT senza ADR / without ADR			S T N



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CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI
VARIANTS AND VERSIONS EXPLANATION KEY

Caratteristiche Characteristics	Descrizione Description	Tipo Type	Varianti Variants	Versioni Versions
Massa massima su 5° asse Maximum mass on 5 th axle	8000 kg			A
	8600 kg			B
	9000 kg			C
	10000 kg			D



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COMBINAZIONI POSSIBILI PERMISSIBLE COMBINATION

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

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 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 T
G

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 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 T C
G

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 T C
G

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 T
G

4 C 1 6 2 2

F B B E C X 0 9 A D 1 E D S A
W L T N B T C

4 C 1 6 2 2

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

4 C 1 6 2 2

F B B E C X 1 3 Y D 1 E S S A
W N N B T C

4 C 1 6 2 2

D A A E C X 0 9 A D 1 E D S A
W L T N B T C

4 C 1 6 2 2

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

4 C 1 6 2 2

D A A E C X 1 3 Y D 1 E S S A
W N N B T C

4 C 1 6 2 2

D	C	C	E	C	X	0	9	A	D	1	E	D	S	A
					W			L				T	N	B
													T	C

4 C 1 6 2 2

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

4 C 1 6 2 2

D	C	C	E	C	X	1	3	Y	D	1	E	S	S	A
					W			N					N	B
													T	C

4 C 1 6 2 2

D	D	D	E	C	X	0	9	A	D	1	E	D	S	A
					W			L				T	N	B
													T	C

4 C 1 6 2 2

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

4 C 1 6 2 2

D	D	D	E	C	X	1	3	Y	D	1	E	S	S	A
					W			N					N	B
													T	C

4 C 1 6 2 2

D	A	A	C	D	X	0	9	A	D	1	E	D	S	D
					W			L				T	N	
													T	

4 C 1 6 2 2

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

4 C 1 6 2 2

D	A	A	C	D	X	1	3	Y	D	1	E	S	S	D
					W			N					N	
													T	

4 C 1 6 2 2

D	C	C	C	D	X	0	9	A	D	1	E	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	E	D	S	D
					W			E				T	N	
								G					T	

4 C 1 6 2 2

D	C	C	C	D	X	1	3	Y	D	1	E	S	S	D
					W			N					N	
													T	

4 C 1 6 2 2

D	D	D	C	D	X	0	9	A	D	1	E	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	E	D	S	D
					W			E				T	N	
								G					T	

4 C 1 6 2 2

D	D	D	C	D	X	1	3	Y	D	1	E	S	S	D
					W			N					N	
													T	

4 C 1 6 2 2

C	B	B	E	C	X	0	9	A	D	1	E	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	E	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	1	E	D	S	A
					W			L					N	B
													T	C

Varianti
Variants

4	C	1	6	2	2
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4	C	1	6	2	2
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4	C	1	6	2	2
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Versioni
Versions

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

C	A	A	C	D	X	0	9	A	D	1	E	D	S	D
					W			L					N	
													T	

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



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Punto Item	Variante Variant	Versione Version	Descrizione Description							
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
4C1622	???????????? ?	1875	mm	4325	mm	1395	mm	1410	mm	
2.8.1.	4C1622	?BBEC???????? A	1° + 2°		3° + 4° + 5°					
	4C1622	?BBEC???????? B	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	11000	16000 kg	25000	27000 kg				
	4C1622	?AAEC???????? B	11400	16000 kg	25000	29600 kg				
	4C1622	?AAEC???????? C	11000	16000 kg	25000	30000 kg				
	4C1622	?CCEC???????? A	11000	16000 kg	25000	30000 kg				
	4C1622	?CCEC???????? B	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	11000	17000 kg	24000	30000 kg				
	4C1622	?DDEC???????? B	14000	18000 kg	23000	27000 kg				
	4C1622	?DDEC???????? B	11400	18000 kg	23000	29600 kg				
	4C1622	?DDEC???????? C	11000	18000 kg	23000	30000 kg				
2.9.	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				
	4C1622	?BBEC???????? A	1°	2°	3°	4°	5°			
	4C1622	?BBEC???????? B	7500	7500	9500	9500	8000	kg		
	4C1622	?BBEC???????? C	7500	7500	10500	10500	8600	kg		
	4C1622	?AAEC???????? A	7500	7500	10500	10500	9000	kg		
	4C1622	?AAEC???????? B	8000	8000	9500	9500	8000	kg		
	4C1622	?AAEC???????? C	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		
2.10.	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		
	4C1622	?BBEC???????? A	T _{ant} / T _{front}		T _{post} / T _{rear}					
	4C1622	?BBEC???????? B	15000 kg		27000 kg					
	4C1622	?BBEC???????? C	15000 kg		30000 kg					
	4C1622	?AAEC???????? A	16000 kg		27000 kg					
	4C1622	?AAEC???????? B	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						



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Punto Item	Variante Variant	Versione Version	Descrizione Description									
6.2.	4C1622	????????????? A	sospensione pneumatica, ammortizzatori idraulici, vedere disegno n° 10.01.00.0036 <i>air suspension, hydraulic shock absorbers, see drawing No. 10.01.00.0036 rev. 0 of 30.01.2017</i>						rev. 0	del	30.01.2017	
	4C1622	????????????? B										
	4C1622	????????????? C	sospensione pneumatica, ammortizzatori idraulici, vedere disegno n° 10.01.00.0049 <i>air suspension, hydraulic shock absorbers, see drawing No. 10.01.00.0049 rev. 0 of 07.02.2019</i>						rev. 0	del	07.02.2019	
	4C1622	????????????? D										
	Varianti Variants	Versioni Versions	Dimensione Size	Ind. di carico Load index	Carico Payload	Indice di vel. Speed index	Dim. cerchio Rim size	Offset acciaio Offset steel	Offset alluminio Offset aluminium	Coeff. di resistenza al rotolamento Rolling resistance coefficient	Raggio Radius	Pressione Pressure
6.6.1.1.1.			315/80 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0 4,1 ≤ RRC ≤ 5,0 5,1 ≤ RRC ≤ 6,0 6,1 ≤ RRC ≤ 7,0 7,1 ≤ RRC ≤ 8,0 RRC ≥ 8,1	523	8,00 bar
			315/70 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154		492	9,00 bar
			13 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154		546	8,00 bar
	4C1622	?B???????????? ?	295/80 R22,5	154	7500	G	22,5 x 8,25	152-159	145-148		507	9,00 bar
							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	7,75 bar
			385/65 R22,5	154	7500	G	22,5 x 11,75	120-135	120-135		517	7,50 bar
			315/80 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154		523	8,50 bar
			315/70 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154		492	9,00 bar
	4C1622	?A???????????? ?	13 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154		546	8,50 bar
			385/55 R22,5	156	8000	G	22,5 x 11,75	130	120-135		480	8,50 bar
			385/65 R22,5	156	8000	G	22,5 x 11,75	120-135	120-135		517	8,00 bar
			315/80 R22,5	158	8500	G	22,5 x 9,00	161-162	150-154		523	9,00 bar
	4C1622	?C???????????? ?	385/55 R22,5	158	8500	G	22,5 x 11,75	130	120-135		480	9,00 bar
			385/65 R22,5	158	8500	G	22,5 x 11,75	120-135	120-135		517	8,50 bar
			385/55 R22,5	160	9000	G	22,5 x 11,75	130	120-135		480	9,00 bar
	4C1622	?D???????????? ?	385/65 R22,5	160	9000	G	22,5 x 11,75	120-135	120-135		517	9,00 bar
6.6.1.1.2.			315/80 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0 4,1 ≤ RRC ≤ 5,0 5,1 ≤ RRC ≤ 6,0 6,1 ≤ RRC ≤ 7,0 7,1 ≤ RRC ≤ 8,0 RRC ≥ 8,1	523	8,00 bar
			315/70 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154		492	9,00 bar
			13 R22,5	154	7500	G	22,5 x 9,00	161-162	150-154		546	8,00 bar
	4C1622	?B???????????? ?	295/80 R22,5	154	7500	G	22,5 x 8,25	152-159	145-148		507	9,00 bar
							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	7,75 bar
			385/65 R22,5	154	7500	G	22,5 x 11,75	120-135	120-135		517	7,50 bar



SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° 2
Annex Nr
del
of 03.02.2022

Punto Item	Variante Variant	Versione Version	Descrizione Description									
6.6.1.1.3.	4C1622	??A?????????? ?	315/80 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154		523	8,50 bar
			315/70 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154		492	9,00 bar
			13 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0	546	8,50 bar
			385/55 R22,5	156	8000	G	22,5 x 11,75	130	120-135	4,1 ≤ RRC ≤ 5,0	480	8,50 bar
			385/65 R22,5	156	8000	G	22,5 x 11,75	120-135	120-135	5,1 ≤ RRC ≤ 6,0	517	8,00 bar
	4C1622	??C?????????? ?	315/80 R22,5	158	8500	G	22,5 x 9,00	161-162	150-154	6,1 ≤ RRC ≤ 7,0	523	9,00 bar
			385/55 R22,5	158	8500	G	22,5 x 11,75	130	120-135	7,1 ≤ RRC ≤ 8,0	480	9,00 bar
			385/65 R22,5	158	8500	G	22,5 x 11,75	120-135	120-135	RRC ≥ 8,1	517	8,50 bar
	4C1622	??D?????????? ?	385/55 R22,5	160	9000	G	22,5 x 11,75	130	120-135		480	9,00 bar
			385/65 R22,5	160	9000	G	22,5 x 11,75	120-135	120-135		517	9,00 bar
	4C1622	???E?????????? ?	315/80 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154		523	6,25 bar
			315/70 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154		492	7,00 bar
			13 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0	546	6,00 bar
			295/80 R22,5	142	10500	G	22,5 x 8,25	152-159	145-148	4,1 ≤ RRC ≤ 5,0		
							22,5 x 9,00	161-162	150-154	5,1 ≤ RRC ≤ 6,0	507	7,00 bar
			315/80 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	6,1 ≤ RRC ≤ 7,0	523	6,75 bar
			315/70 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	7,1 ≤ RRC ≤ 8,0	492	7,75 bar
			13 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	RRC ≥ 8,1	546	6,75 bar
			295/80 R22,5	145	11500	G	22,5 x 8,25	152-159	145-148		507	7,75 bar
							22,5 x 9,00	161-162	150-154			
6.6.1.1.4.	4C1622	????C?????????? ?	315/80 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154		523	6,25 bar
			315/70 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154		492	7,00 bar
			13 R22,5	142	10500	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0	546	6,00 bar
			295/80 R22,5	142	10500	G	22,5 x 8,25	152-159	145-148	4,1 ≤ RRC ≤ 5,0		
	4C1622	????D?????????? ?					22,5 x 9,00	161-162	150-154	5,1 ≤ RRC ≤ 6,0	507	7,00 bar
			315/80 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	6,1 ≤ RRC ≤ 7,0	523	6,75 bar
			315/70 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	7,1 ≤ RRC ≤ 8,0	492	7,75 bar
			13 R22,5	145	11500	G	22,5 x 9,00	161-162	150-154	RRC ≥ 8,1	546	6,75 bar
			295/80 R22,5	145	11500	G	22,5 x 8,25	152-159	145-148		507	7,75 bar
							22,5 x 9,00	161-162	150-154			



SCHEDA INFORMATIVA INFORMATION DOCUMENT

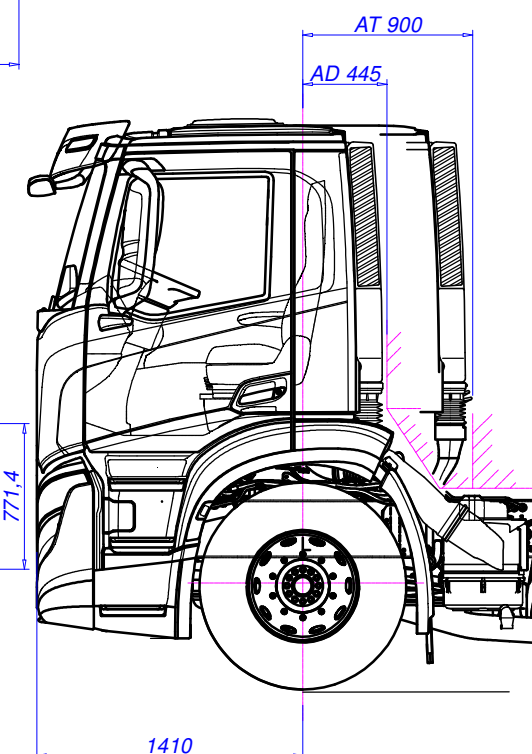
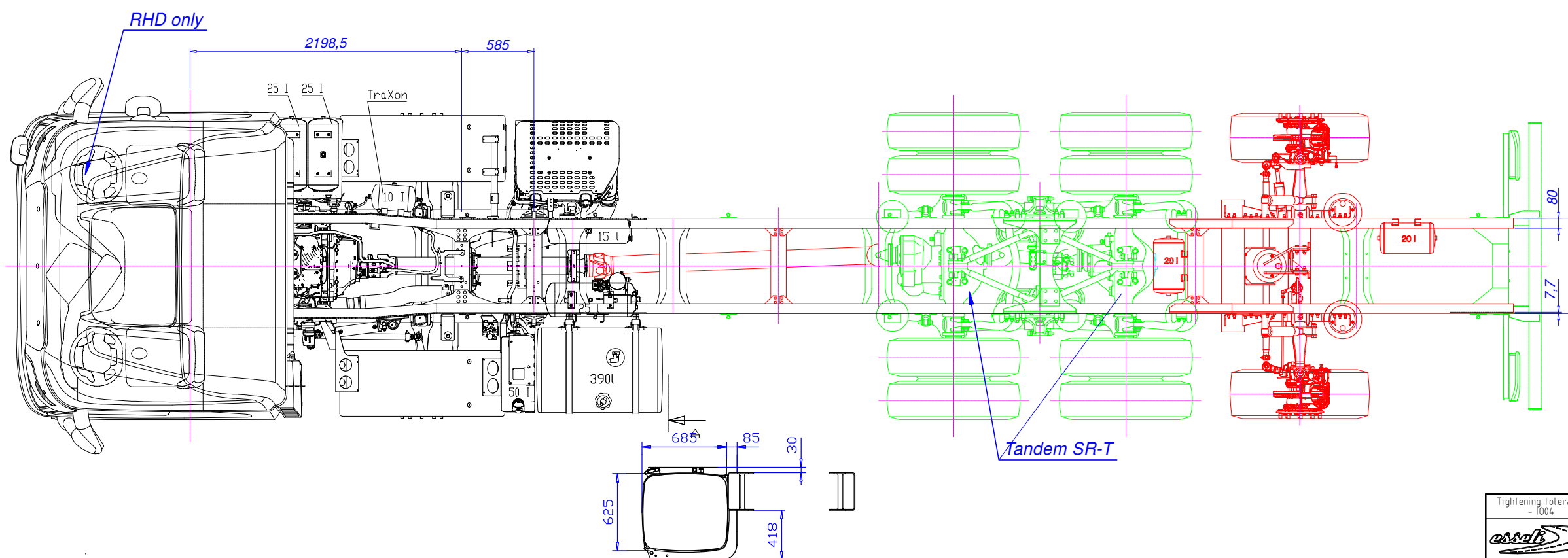
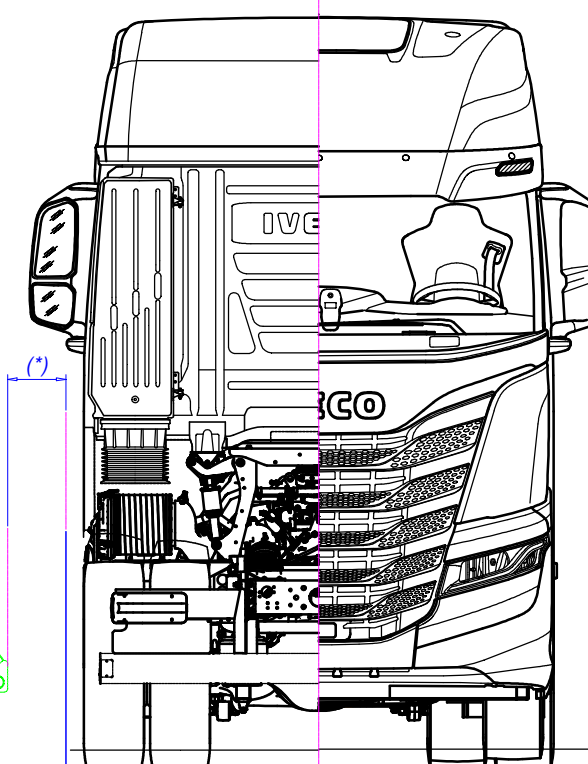
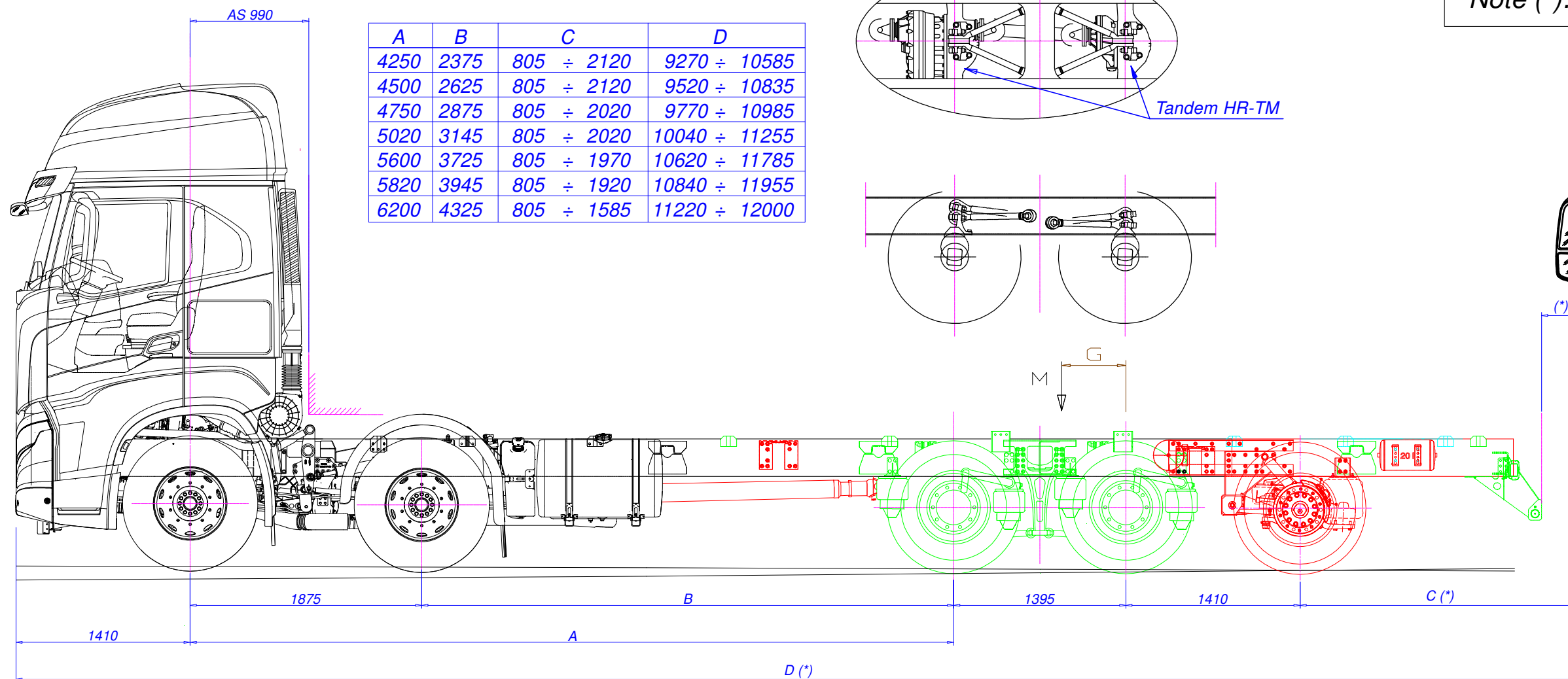
All n° 2
Annex Nr
del 03.02.2022
of

Punto Item	Variante Variant	Versione Version	Descrizione Description									
6.6.1.1.5.	—	?????????????? A	315/80 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154	RRC ≤ 4,0	523	8,50 bar
			315/70 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154	4,1 ≤ RRC ≤ 5,0	492	9,00 bar
			13 R22,5	156	8000	G	22,5 x 9,00	161-162	150-154	5,1 ≤ RRC ≤ 6,0	546	8,50 bar
			385/55 R22,5	156	8000	G	22,5 x 11,75	130	120-135	6,1 ≤ RRC ≤ 7,0	480	8,50 bar
	—	?????????????? B	385/65 R22,5	156	8000	G	22,5 x 11,75	120-135	120-135	7,1 ≤ RRC ≤ 8,0	517	8,00 bar
			385/55 R22,5	160	8600	G	22,5 x 11,75	130	120-135	RRC ≥ 8,1	480	8,50 bar
			385/65 R22,5	160	8600	G	22,5 x 11,75	120-135	120-135	RRC ≤ 4,0	517	8,50 bar
			385/55 R22,5	160	9000	G	22,5 x 11,75	130	120-135	4,1 ≤ RRC ≤ 5,0	480	9,00 bar
	—	?????????????? C	385/65 R22,5	160	9000	G	22,5 x 11,75	120-135	120-135	5,1 ≤ RRC ≤ 6,0	517	9,00 bar
			385/55 R22,5	164	10000	G	22,5 x 11,75	130	120-135	6,1 ≤ RRC ≤ 7,0	480	9,00 bar
			385/65 R22,5	164	10000	G	22,5 x 11,75	120-135	120-135			
	—	?????????????? D										

Disegno per omologazione
Drawing for type-approval

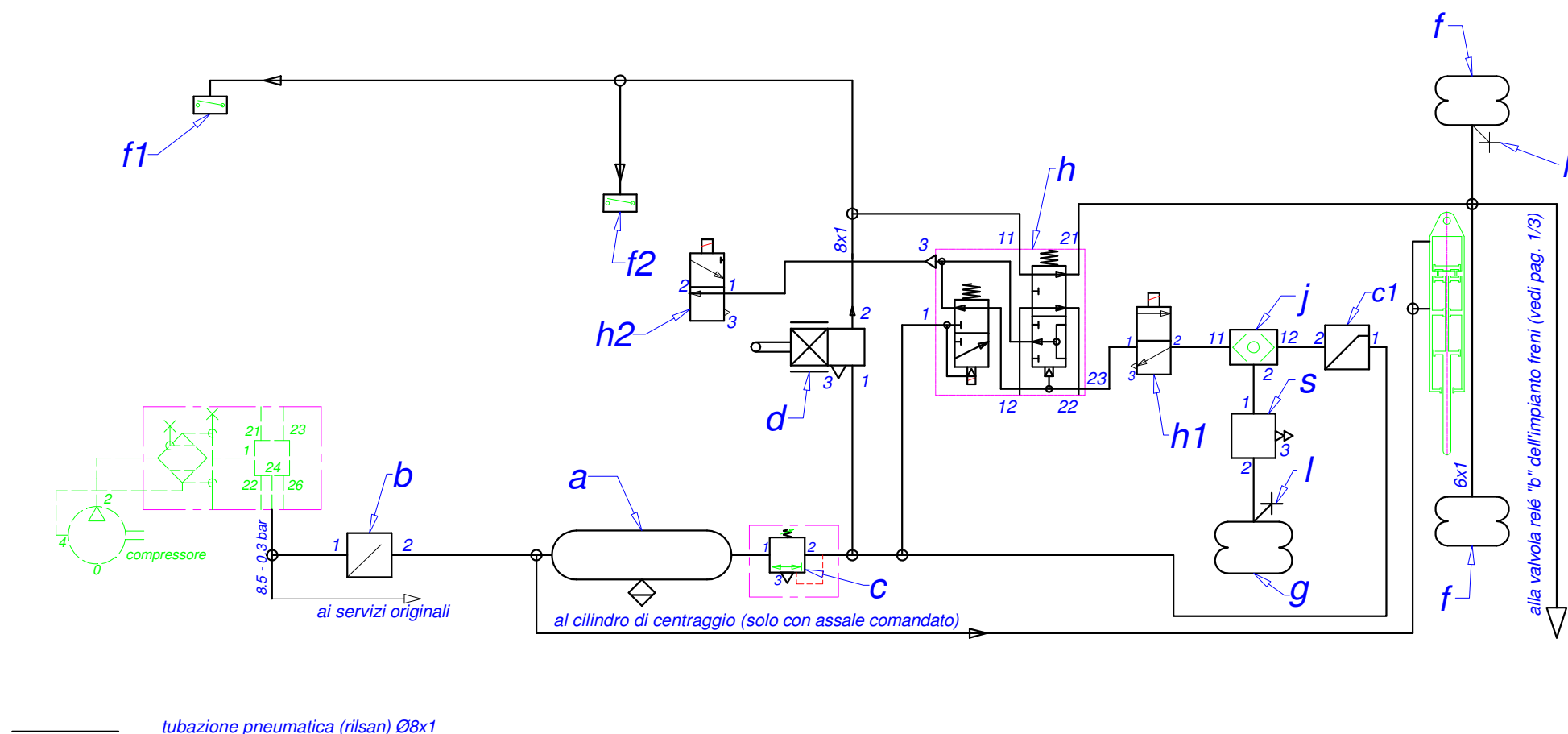
Nota (): vedere scheda informativa*
Note (): see information document*

<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 - f004	ISO 2768 - ---- Tolerancing ISO 8015	Author P. MARTINI	Date 10/02/2020		Scale 1:20
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Description AVPECO MS34Y AD/AT/AS 350/360X...Z...HR ON+ 10x4 IMPELLORE 5° ASSE POSTERIORE					
Code 55.01.00.0124		Drawing 55.01.00.0124		Sheet 1/1	Format A4
S.T. System Truck S.p.A. via Pansa, 28 - I 44048 Rovereto (MO) - Tel. +39 0376 696809 www.stsystemtruck.com					

E24*79R02/01*0059*01



LEGENDA

- a - Serbatoio aria 20 l - approvato CE.
- b - Valvola presa aria, con ritorno limitato - 6,2 bar.
- c - Valvola limitatrice - 5.9 bar.
- c1 - Riduttore di pressione - 0.5 bar.
- d - Valvola modulatrice.
- f - Molla pneumatica sospensione.
- f1 - Pressostato N.C. - disattivazione automatica sollevatore (5.5 bar)
- f2 - Pressostato N.A. per controllo del traspositore di carico (7.5 bar)
- g - Molla pneumatica sollevatore.
- h - Deviatore con ElettoValvola di comando per inserimento sollevatore e traspositore di carico.
- h1 - Elettovalvola N.C. di comando del sollevatore.
- h2 - Elettovalvola N.A. per controllo del traspositore di carico.
- j - Doppia valvola di arresto - selezione Pmax.
- l - Presa controllo pressione.
- s - Valvola di scarico rapido.

N.B. La valvola modulatrice, pos. d, deve essere collegata al centro del tandem assi motori (questo per annullare l'effetto delle oscillazioni della sospensione cantilever).

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 frenante: vedi foglio 1/3

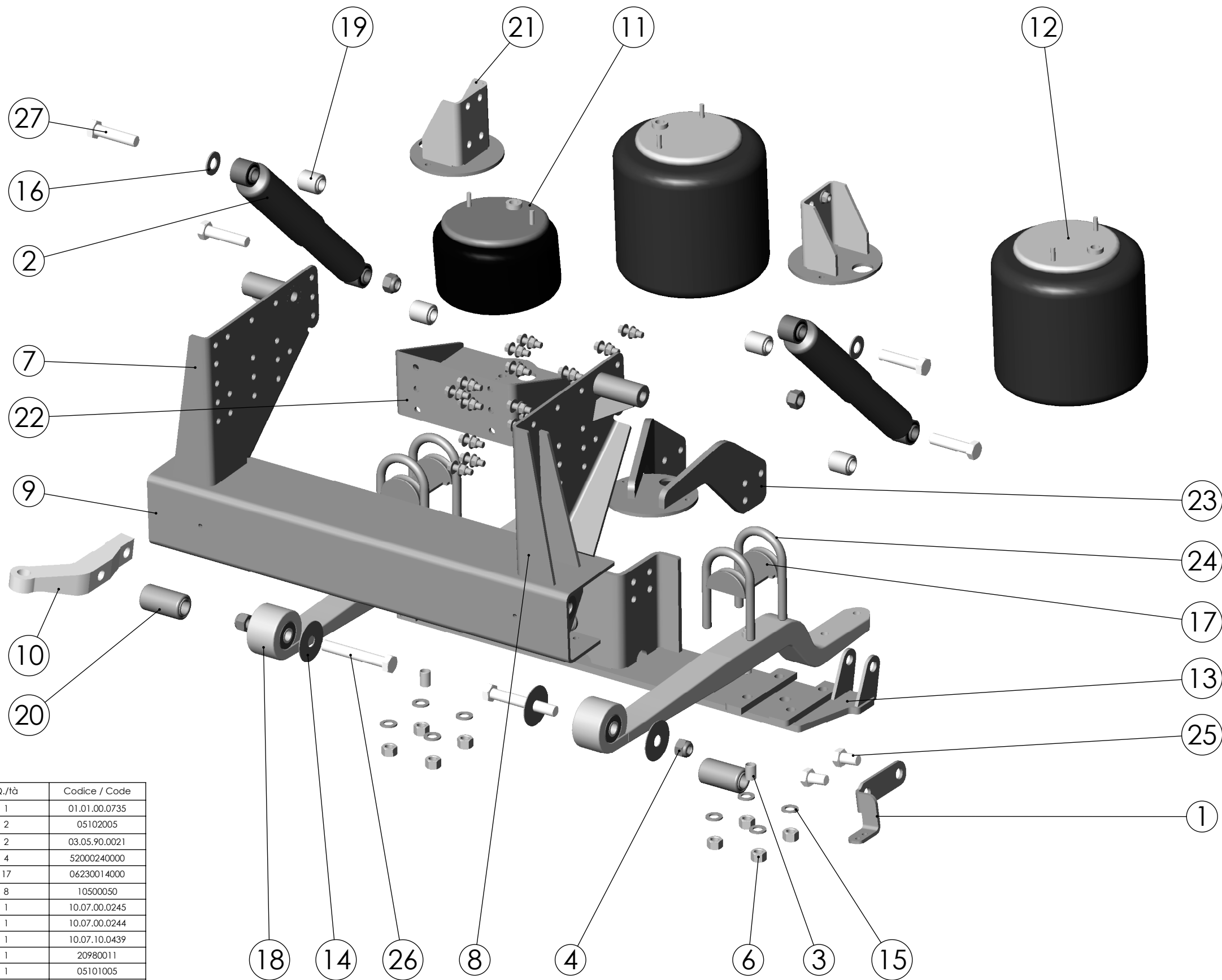
Disegnato da A. Tibaldo	Controllato da P. Martini	Data 26/11/2020	Scala	Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione	Formato disegno A3 UNI 936
 S.T. System Truck S.p.A. via Paesa, 28 - I 46048 Roverbella (MN) tel. +39 0376 696809				Disegno di proprietà della S.T. System Truck s.r.l. Vietata la riproduzione non autorizzata. Property of S.T. System Truck s.r.l. Reproduction not permitted, all rights reserved.	TITOLO SCHEMA IMPIANTO PNEUMATICO - IVECO X-WAY 6X4 OPPURE 8x4 FRENI EBS - ASSALE POSTERIORE CON SOLLEVATORE E TRASPOSITORE - FRENO DISCO
N° DISEGNO 25.01.05.0059				Modifica 3 del 17.02.21	Foglio 2/3

E24*79R02/01*0059*01

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.

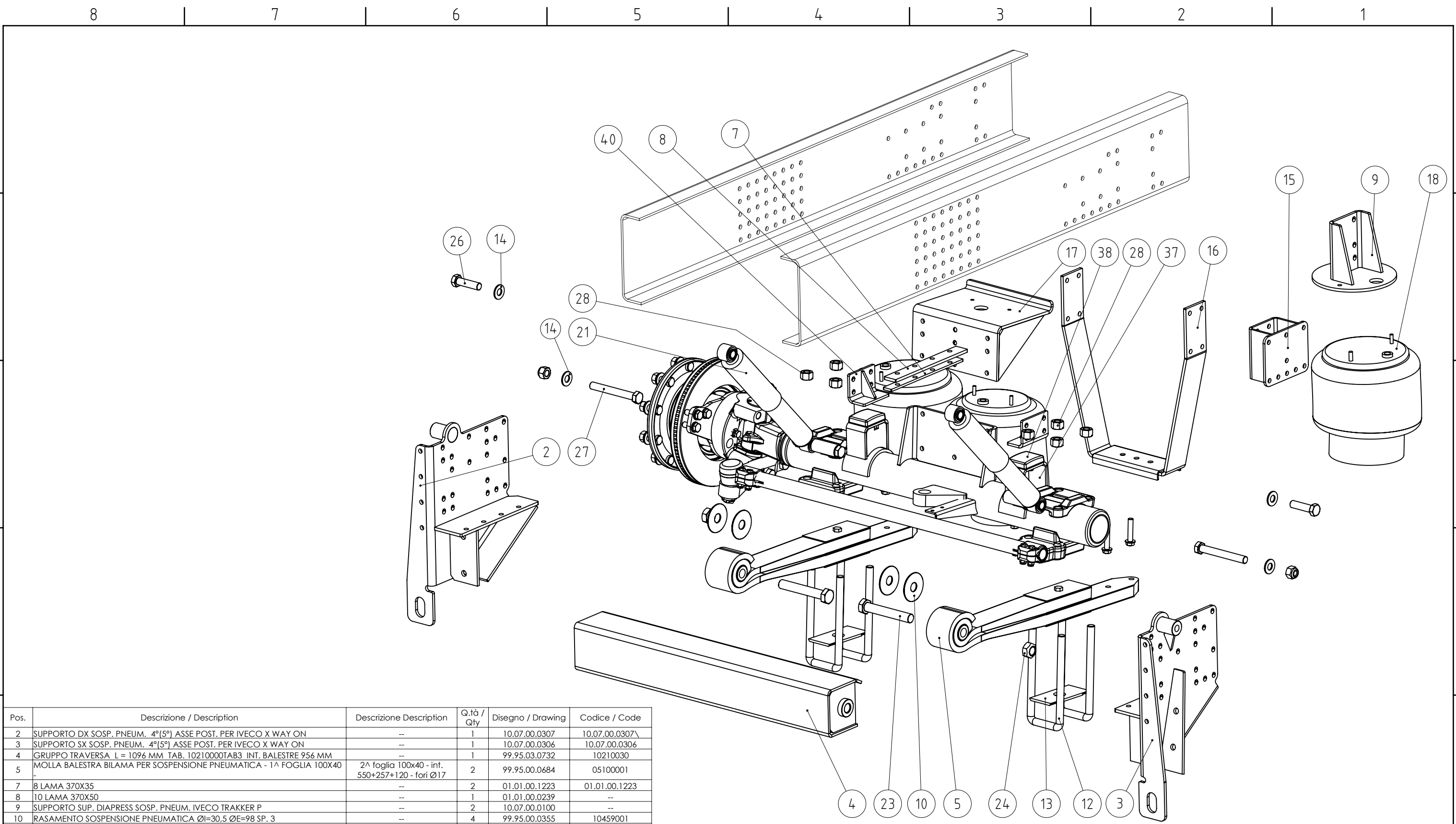


Pos.	Descrizione / Description	Q./td	Codice / Code
1	8 LEVA PER ASTA DI REAZIONE SU FUSELLO	1	01.01.00.0735
2	Ammortizzatore per sosp. pneum. 7762 - 890433	2	05102005
3	BOCCOLA CENTRAGGIO PITONE Ø23.2/20.4 H=33	2	03.05.90.0021
4	DADO AUTOBLOCCANTE CL.8 UNI 7473 DIN982 M24 X 2	4	52000240000
5	DADO Flangiato 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 TRINCIATA 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 : Modificare solo con: Drawing with: Modify only with:		Formato disegno Format Drawing A3 UNI 936	Materiale Material --	Trattamento termico Heat treatment --	Finitura superficiale Surface finishing --	Massa kg Weight kg --
Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione MEDIO Measures without tolerance according to indication according to UNI EN 22768/1, with a degree of precision MEDIUM			Unità di misura Unit of measure lineari - linear: mm angoli: gradi sessagesimali angles: sexagesimal degrees	Disegnato da Drawing by L.TOGNOLLO	Controllato da Checked by P.Martini	Data Date 26/01/2017	Scala Scale 1:20
 S.T. System Truck S.p.A. via Paesa, 28 I 46048 Roverbella (MN) tel. +39 0376 696809 - fax +39 0376 1760180 www.stsystemtruck.com --- info@stsystemtruck.com			Disegno di proprietà della S.T.System Truck S.p.A. Vietata la riproduzione non autorizzata. Property of S.T.System Truck S.p.A. Reproduction not permitted, all rights reserved.	Descrizione / Description SOSPENSIONE POST. PNEUM. ASSE STERZ. IVECO TRAKKER 6X4 260T 380T - TRAKKER 8X4 410T - X-WAY 340X			
				Codice / Code 10.01.00.0035E24	Disegno / Drawing 10.01.00.0035E24	Foglio Sheet 2 / 2	

F
E
D
C
B
A

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	50.50.00.0245	S08C101625

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

hydraulic diagram

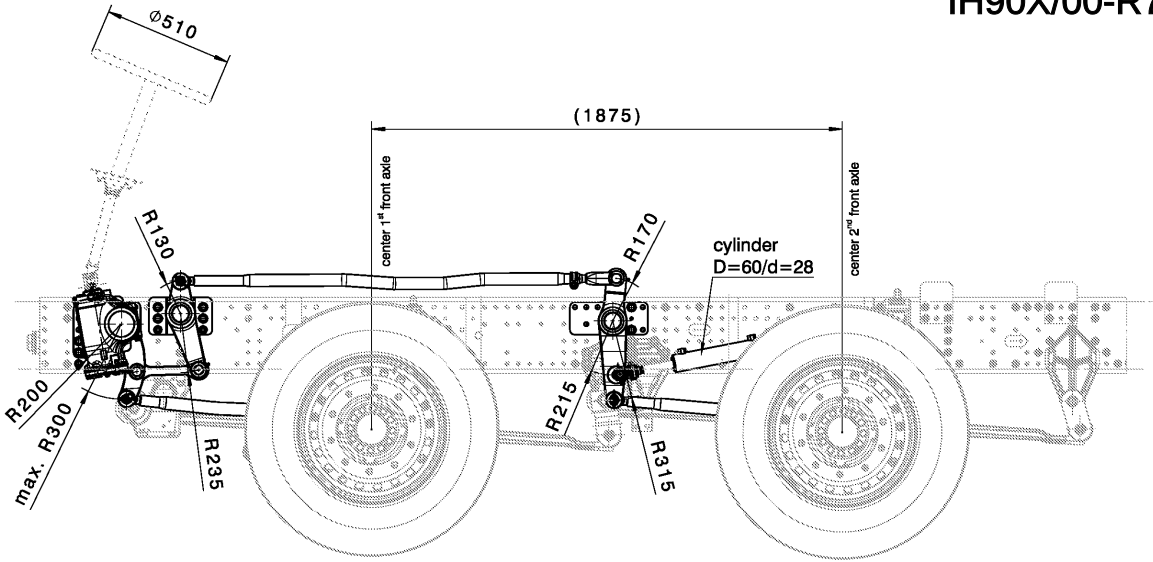
hydraulic scheme

Item	Description	TYPE/Characteristics
1	1) 1,5-CIRCUIT STEERING GEAR WITH INTEGRATED PRESSURE RELIEF VALVE 1a) WITH SWITCH-VALVE FOR EMERGENCY CIRCUIT 1b) WITH SWITCH-OFF VALVE FOR MASTER-CYLINDER	8099-1,5 i=22,2-26,2
2	VANE PUMP ENGINE-DRIVEN WITHOUT PRESSURE RELIEF VALVE	FN32 $Q_{\text{cont}}=25\text{l/min}$ $Q_{900}=32\text{cm}^3/\text{rev}$
3	RADIAL PISTON PUMP GROUND-DRIVEN WITHOUT PRESSURE RELIEF VALVE	RN 8605 $Q_{\text{cont}}=16\text{l/min}$ $Q_{900}=16\text{cm}^3/\text{rev}$
4	FLOW INDICATOR (ON-switch)	flow < 4-5l/min switch contacts closed flow > 4-5l/min switch contacts open
5	HYDRAULIC CYLINDER	D=70/d=32 length L1 = 578mm, L2=828mm stroke max. 250mm
6	STEERING OIL TANK (2 chambers) with integrated filter elements for each chamber and level sensor/indicator	1x 2,1l nominal size alternatively 2x 1,5l nominal size

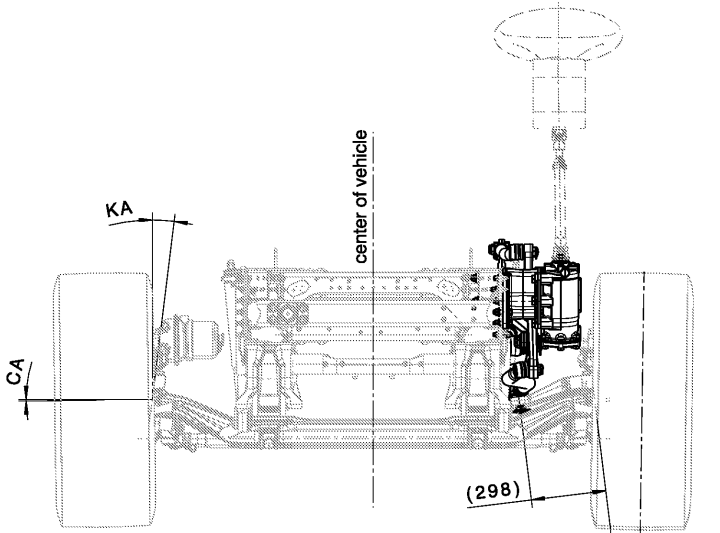
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STANDARD 10-2359		Material		Standards	Code No
Schema	CNH	n° 0	n° 0	Scale 1:2 0,000	Draw No
Designator	11EGM01122043	11/2018	Dr	Line Diagram	8x4/8x8 LHD/RHD_8099-1,5
Model	8x4/8x8 LHD/RHD 8099-1,5	5802287105	DC 50-1494	1/2 A2	

E24*79R02/01*0059*01



Front view



Values also valid for 2nd front axle

Left view

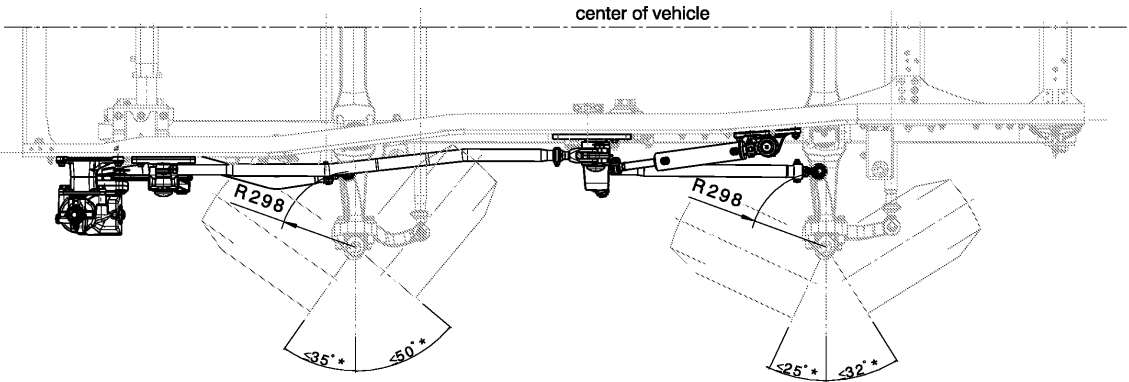
	1st front axle	2nd front axle
K-O (KINGPIN-OFFSET)	*77 - 127	*77 - 127
CA (CAMBER-ANGLE)	0,8°	0,8°
KA (KINGPIN-ANGLE)	7°	7°
CASTER ANGLE	2° - 3°	3° - 4°
TOE-IN nominal value	+1,5mm/m	+1,5mm/2
tolerance	(±1,5mm/m)	(±1,5mm/m)

* K-O (KINGPIN-OFFSET) depends on tyres and rim-sizes

steering wheel rotation angle: 1945°
(left + center to end lock right)

overall ratio 1st front axle = $1945^\circ / (50^\circ + 35^\circ) = 22,9$
overall ratio 2nd front axle = $1945^\circ / (32^\circ + 25^\circ) = 34,1$

Shown is LHD.
RHD is mirror image.



Top view

*steering angles depend on tyres and rim sizes
shown are maximum values

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Model										8x4 (2+2) LHD/RHD 8098 i=22,2-26,2									
Scale		1:15										Designation		Lex Code		155387			
Name		Date		Index		12G9U01001040		15.08.18		Esc		GROUP-STEERINGGEAR WITH LINKAGE							
Drawn by		SCHNEIDER Elias		14/06/18		A0		Modification Notice Code		Date		Name		2F_LHD+RHD_8098					
Checked by		SCHNEIDER Elias		15/06/18															
Approved		Department		E040								No		5802512698 DC 50-1402		Sheet			
KOEERLE						E24*79R02/01*0059*01										1/1 A2			

