

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 ~~Approval withdrawn~~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 braking, pursuant to Regulation No. 13

Approval No: **E24*13R10/05*0055*00**

Reason(s) for extension:

N/A

- | | | |
|--------|---|---|
| 1. | Trade name or make of the vehicle: | <i>IVECO / SYSTEM TRUCK</i> |
| 2. | Vehicle category: | <i>N3</i> |
| 3. | Vehicle type: | <i>ST IG190EL2CA 13R</i> |
| 4. | Manufacturer's name and address: | <i>S.T. System Truck S.p.A.
Via Paesa, 28
IT-46048 Roverbella (MN)</i> |
| 5. | If applicable name and address of manufacturer's authorised representative: | <i>N/A</i> |
| 6. | Mass of the vehicle: | |
| 6.1. | Maximum mass of the vehicle: | <i>26000kg</i> |
| 6.2. | Minimum mass of the vehicle: | <i>See Annex 2 of information document for details.</i> |
| 7. | Distribution of mass on each axle (maximum value): | <i>See Annex 2 of information document for details.</i> |
| 8. | Make and type of brake linings, discs and drums: | <i>See information folder for details</i> |
| 8.1. | Brake linings | |
| 8.1.1. | Brake linings tested to all relevant prescriptions of Annex 4: | <i>Yes.</i> |

Approval No: **E24*13R10/05*0055*00**

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

Approval No: E24*13R10/05*0055*00

14.	Results of the tests and vehicle characteristics:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.6.	Braking system(s) used during the Type-II/IIA test:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.7.	Reaction time and dimensions of flexible pipes:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.7.1.	Reaction time at the brake actuator:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.7.2.	Reaction time at the control line coupling head:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.7.3.	Flexible pipes of tractors for semi-trailers: Reservoir – modulator: internal diameter (mm): Modulator – brake chambers internal diameter (mm):	N/A
14.8.	Information required under paragraph 7.3. of annex 10 to this Regulation:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.9.	Vehicle is /is not equipped to tow a trailer with electrical braking systems:	<i>Is not</i>
14.10.	Vehicle is/is not equipped with an anti-lock system:	<i>Is</i>
14.10.1.	Category of anti-lock system:	<i>Category 1</i>
14.10.2.	The vehicle fulfils the requirements of annex 13:	<i>Yes</i>
14.10.3.	Vehicle is /is not equipped to tow trailers equipped with anti-lock systems:	<i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i>
14.10.4.	Where an annex 19 test report has been utilised, the test report number(s) shall be stated:	N/A
14.11.	The vehicle is subject to the requirements of annex 5 (ADR):	<i>No</i>

Approval No: **E24*13R10/05*0055*00**

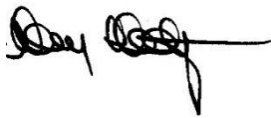
- | | |
|--|---|
| 14.11.1. The vehicle fulfils the endurance braking performance requirements according to the Type-IIA test up to a total maximum mass of tonnes: | <i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i> |
| 14.11.2. The power driven vehicle is fitted with a control device for the endurance braking system on the trailer: | No |
| 14.11.3. In the case of trailers, the vehicle is equipped with an endurance braking system: | No |
| 14.12. 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.: | <i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i> |
| 14.13. Adequate documentation according to annex 18 was supplied in respect of the following systems: | <i>See test report IT18/0833 - 00 and manufacturer's information document for details.</i> |
| 14.14. The vehicle is equipped with a vehicle stability function:
If yes:
The vehicle stability function has been tested according to and fulfils the requirements of Annex 21:
Vehicle stability function is optional equipment:
Vehicle stability function includes directional control:
Vehicle stability function includes roll-over control: | No

N/A.
N/A.
N/A.
N/A. |
| 14.14.1. Where an Annex 19 test report has been utilised, the test report number shall be stated: | N/A |
| 15. Additional information for use with the annex 20 alternative type approval procedure: | N/A |
| 15.1. Description of suspension: | N/A |
| 15.1.1. Manufacturer: | N/A |
| 15.1.2. Make: | N/A |
| 15.1.3. Type: | N/A |
| 15.1.4. Model: | N/A |
| 15.2. Wheelbase of vehicle tested: | N/A |
| 15.3. Actuation differential (if any) within axle group: | N/A |
| 16. Trailer approved utilising annex 20 procedure:
(If yes, appendix 2 to annex 2 shall be completed) | N/A |

Approval No: **E24*13R10/05*0055*00**

- 17. Vehicle submitted for approval on: **22.05.2018**
- 18. Technical service responsible for conducting approval tests: **FAKT S.r.l.
Via Lithos, 53
I-25086 Rezzato (BS)**
- 19. Date of report issued by that service: **14.05.2018**
- 20. Number of report issued by that service: **IT18/0833 - 00**
- 21. Approval granted/~~refused~~/~~extended~~/~~withdrawn~~: **Granted.**
- 22. Position of approval mark on the vehicle: **See manufacturers documentation**
- 23. Place: **Dublin.**
- 24. Date: **6th July, 2018.**

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.*



NSAI
Certification

Approval No: **E24*13R10/05*0055*00**

Index to the Information Package

Date of issue:	<i>6th July, 2018.</i>
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>
1. Additional conditions, and advisory notes on legal alternatives.	
2. Test report(s)	
- numbers(s):	<i>IT18/0833 - 00</i>
- date of issue:	<i>14.05.2018</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>ST_IG190EL2CA_13R</i>
- date of issue:	<i>01.02.2018</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>56 pages</i>

Approval No: E24*13R10/05*0055*00

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.: IT18/0833 - 00
UNECE R13-10

Typ: ST IG190EL2CA 13R

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



Test Report

No. IT18/0833 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 10 – Supplement 5

of **15.10.2008**

Approval status

☒	Granting of a type approval No. E24*13R10/05*0055*00 (Allocated in advance)
☐	Extension to type approval no.
☐	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.: IT18/0833 - 00
UNECE R13-10

Typ: ST IG190EL2CA 13R

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



0 General

- 0.1 Make : IVECO / SYSTEM TRUCK
- 0.2 Type : ST IG190EL2CA 13R
- 0.2.1 Variant(s)/version(s) : See information document - Annex 1
- 0.2.2 Commercial name(s) : not applicable
- 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 S.p.A.
Via Volturno, 62
IT-25126 Brescia
- 0.5 Information folder :
Information document
- No : ST_IG190EL2CA_13R
- Date of issue : 01.02.2018
- Date of last change : not applicable
- 0.6 List of modifications : not applicable (basic test report)

Test Report No.: IT18/0833 - 00
UNECE R13-10

Typ: ST IG190EL2CA 13R

Hersteller: 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 Variant : ICT112F
Version : 2VU10A5AP2E
VIN (Stage 1) : ZCFA51TM702672371
Commercial Description : ML250E
- 1.1.2 Gear box type : ZF 9S 1110 TO (Manual)
No. of gears: : 9
- 1.1.3 Number and arrangement of axles: : 3; 1st steering / non powered axle,
2nd non steering / powered powered;
3rd self tracking / non powered axle
- 1.1.4 Wheelbase(s) : 1-2: 3690 mm
2-3: 1448 mm
- 1.1.5 Tyres
1st axle : 315/80 R22,5 156/-K (single)
2nd axle : 315/80 R22,5 -/150K (twin)
3rd axle : 315/80 R22,5 156/-K (single)
- 1.1.6 Kind of suspension : 1st longitudinal parabolic leafspring;
2nd longitudinal parabolic leafspring;
3rd pneumatic
- 1.1.7 Engine
Manufacturer : FPT Industrial S.p.A.
Type : F4AE3681D

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 st axle: Make: Ferodo - Type: 4550 2 nd axle: Make: Ferodo - Type: 4550 3 rd axle: Make: Galfer - Type: 3358 asbesetos free
Wheel brake:	: 1 st axles: brake disk Ø432mm 2 nd axles: brake disk Ø432mm 3 rd axles: brake disk Ø432mm
Brake Chamber:	: 1 st axle: 24" 2 nd axle: 20/27" 3 rd axle: 12"
Anti-lock braking system:	: Category 1
Service braking system:	: Foot operated, air brake with mechanical control. Two circuit: 1st for axles 1, 2nd for axles 2 and 3.
Secondary braking system:	: 2 nd circuit of the service braking system
Parking braking system:	: Spring brake, manual control, mechanical actuated on axle 2

Test Report No.: IT18/0833 - 00
 UNECE R13-10

Typ: ST IG190EL2CA 13R

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



1.1.9	Mass of vehicle during test(s)	unladen	laden
	Total	: 7450 kg	26030 kg
	1 st axle	: 3670 kg	7360 kg
	2 nd axle	: 2990 kg	11300 kg
	3 rd axle	: 7090 kg	7370 kg
	Height of center of gravity	: 860 mm	1360 mm
1.1.10	Maximum speed	: 90 km/h	
2	Test record		
2.1	Place of test	: IT-Balocco (VC) + IT-Roverbella (MN)	
	Date of test	: 13.04.2018 + 18.04.2018 + 07.05.2018	
2.2	Parameter of the test area		
	Test track	: Asphalt & concrete dry, ceramic tiles wet	
	Air temperature	: 18°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

2.4.1 Test type 0:

Unladen Engine disconnected	Test speed [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
Service brake	60	5.2	187
Axle 1	40	4.0	213
Axle 2+3	40	2.4	205
Service brake (@3bar)	40	6.2	188

No abnormal vibration, vehicle keeps lane

Laden Engine disconnected	Test speed [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
Service brake	60	5.3	360
Axle 1	40	2.7	476
Axle 2+3	40	2.8	384
Service brake (@3bar)	40	2.9	281

No abnormal vibration, vehicle keeps lane

Unladen Engine connected	Test speed [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
	35	5.6	175
	70	5.4	174

No abnormal vibration, vehicle keeps lane

Laden Engine connected	Test speed [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
	35	5.9	250
	70	4.8	280

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/s²

Laden	Test speed [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
Service brake (heated)	60	5.0	370

No abnormal vibration, vehicle keeps lane

2.4.4 Test type II

Equivalent test on track : 0,7 m/s²

2.4.5 Test type IIA

Equivalent test on track : 0,7 m/s²

2.4.6 Parking brake

Holding force:

Uphill gradient (18%) : 4,7t (forward)
 Downhill gradient (18%) : 4,7t (reverse)

2.4.7 Reaction time : 0,6 ≤ 0,6s

2.4.8 Dimensions of flexible pipes : fulfilled

2.4.9 Charging time of air reservoirs : Total volume of the brake reservoirs: 95 liters
 fulfilled

2.4.10 Spring brake : fulfilled

2.4.11 Compatibility between tractor and trailer : fulfilled



2.4.12 ABS – General requirements fulfilled

2.4.13 ABS - Energy consumption : Braking performance @ 40km/h at the 5th full brake with brakes reservoir isolated: 3,4 m/s²

2.4.14 ABS - Utilization of adhesion :	k_a [$\geq 0,5$]	k_b [$\leq 0,3$]	k_a/k_b [$\geq 2,0$]
Laden:	0.601	0.146	4.1
Unladen:	0.766	0.162	4.7

	Low grip surface	High grip surface
	ϵ [$\geq 0,75$]	ϵ [$\geq 0,75$]
Laden:	0,98	0,82
Unladen:	0,94	0,87

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 [km/h]	Braking performance [m/s ²]	Force applied to the control [N]
Laden:	40	4,8	265
Unladen:	40	6,8	380

2.5 Remarks : not applicable

3 Enclosures:

1. Further enclosures (including information documents) : Information folder/Information document ST_IG190EL2CA_13R

Test Report No.: IT18/0833 - 00
UNECE R13-10

Typ: ST IG190EL2CA 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 vehicle together with the information documents of remaining variant/version, is representative.

The tests have been carried out, considering the relevant requirements of ISO/IEC 17025:2005.

This report includes pages 1 to 9.
Duplication and publishing in extracts of the Test Report is allowed only by written permission of the Test Laboratory.

TEST LABORATORY

Rezzato, 14.05.2018
aa/ah

No. of practice:



PR-17/0748


A. Adami
Test engineer

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





SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

INDICE INDEX

	Pagina / page:
0. DATI GENERALI <i>GENERAL</i>	3
1. CARATTERISTICHE COSTRUTTIVE GENERALI DEL VEICOLO <i>GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE</i>	3
2. MASSE E DIMENSIONI <i>MASSES AND DIMENSIONS</i>	4
3. MOTOPROPULSORE <i>POWER PLANT</i>	5
4. TRASMISSIONE <i>TRANSMISSION</i>	6
5. ASSI <i>AXLES</i>	7
6. SOSPENSIONE <i>SUSPENSION</i>	7
8. FRENI <i>BRAKES</i>	9
CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI <i>VARIANTS AND VERSIONS EXPLANATION KEY</i>	All. 0.0
COMBINAZIONI POSSIBILI <i>PERMISSIBLE COMBINATION</i>	All. 0.1
ALLEGATI <i>ATTACHMENTS</i>	
DISEGNI <i>DRAWINGS</i>	
disegno complessivo: <i>overall drawing:</i>	55.01.02.0071 del / of 15.01.2018 55.01.02.0072 del / of 15.01.2018 55.01.02.0073 del / of 15.01.2018 55.01.02.0074 del / of 15.01.2018 55.01.02.0075 del / of 15.01.2018
disegno asse aggiunto (senza sollevatore): <i>added axle drawing (without lift device):</i>	S08A072179 del / of 18.11.2016
disegno asse aggiunto (con sollevatore): <i>added axle drawing (with lift device):</i>	S08A072345 del / of 09.05.2017
disegno sospensione asse aggiunto: <i>added axle suspension drawing:</i>	10.01.10.0013 del / of 08.07.2016
disegno balestra asse aggiunto: <i>added axle spring drawing:</i>	10.10.00.0009 del / of 10.02.2016
disegno molla pneumatico asse aggiunto: <i>added axle air-bag drawing:</i>	05101012 del / of 15.03.2016
disegno ammortizzatore asse aggiunto: <i>added axle shock absorber drawing:</i>	05102005 del / of 15.03.2016
disegno sospensione asse anteriore: <i>front axle suspension drawing:</i>	5801291115 del / of 15.04.2009
disegno balestra asse anteriore: <i>front axle spring drawing:</i>	504356278 del / of 03.09.2009
disegno ammortizzatore asse anteriore: <i>front axle shock absorber drawing:</i>	99473798 del / of 13.02.1996



**SCHEDA INFORMATIVA
INFORMATION DOCUMENT**

N°
No. **ST_IG190EL2CA_13R**
del
of **01.02.2018**

disegno sospensione asse motore: <i>drive axle suspension drawing:</i>	5801291116	del / of 15.04.2009
disegno balestra asse motore: <i>drive axle spring drawing:</i>	504356295	del / of 14.10.2013
disegno ammortizzatore asse motore: <i>drive axle shock absorber drawing:</i>	99449219	del / of 23.01.1998
schema impianto frenante: <i>braking layout:</i>	25.01.15.0005	del / of 08.01.2018
disegno pinze freno asse aggiunto: <i>added axle brake caliper drawing:</i>	5801341086	del / of 28.11.2013
disegno disco freno asse aggiunto: <i>added axle brake disc drawing:</i>	7189475	del / of 10.04.2007
guarnizioni freno: Ferodo 4550 o Galfer 3358 <i>brake linings: Ferodo 4550 or Galfer 3358</i>	5801341088	del / of 28.07.2010



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

0. DATI GENERALI GENERAL

- 0.1. Marca (denominazione commerciale del costruttore):
Make (trade name of manufacturer): Iveco / System Truck
- 0.2. Tipo
Type: ST IG190EL2CA 13R
- Varianti:
Variants: vedere allegati n° 0.0 e 0.1
see annex No. 0.0 and 0.1
- Versioni:
Versions: vedere allegati n° 0.0 e 0.1
see annex No. 0.0 and 0.1
- 0.2.1. Designazione(i) commerciale(i) (se disponibile):
Commercial name(s) (if available): vedere allegati n° 0.0 e 0.1
see annex No. 0.0 and 0.1
- 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: targhetta su parete frontale, dietro griglia radiatore in
plate on the front wall behind radiator grill near manufacturer's plate
- 0.4. Categoria del veicolo:
Category of vehicle: N3
- 0.5. Nome e indirizzo del costruttore:
Name and address of manufacturer: (fase 1) Iveco S.p.A.
(stage 1) I-10156 Torino - via Puglia, 35
(fase 2) S.T. System Truck S.p.A.
(stage 2) I-46048 Roverbella (MN) - Via Paesa, 28
- 0.8. Denominazione/i e indirizzo/i dello/gli stabilimento/i di montaggio:
Name(s) and address(es) of assembly plant(s): (fase 1) Iveco S.p.A.
(stage 1) I-25126 Brescia - via Volturmo, 62
(fase 2) S.T. System Truck S.p.A.
(stage 2) I-46048 Roverbella (MN) - Via Paesa, 28
- 0.9. Nome e indirizzo dell'eventuale rappresentante del costruttore:
Name and address of the manufacturer's representative (if any): non applicabile
not applicable

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

- 1.1. Fotografie e/o disegni di un veicolo rappresentativo:
Photographs and/or drawings of a representative vehicle: vedere allegato n° 1
see annex No. 1



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: 3 assi
axles 6 ruote
wheels



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

- | | | | | |
|-----------|--|--|---------------------------------------|--|
| 1.3.1. | Numero e posizione degli assi con ruote gemellate:
<i>Number and position of axles with double wheels:</i> | 1 asse
<i>axle</i> | 2° asse
<i>2nd axle</i> | |
| 1.3.3. | Assi motore (numero, posizione, interconnessione):
<i>Powered axles (number, position, interconnection):</i> | 1 asse
<i>axle</i> | 2° asse
<i>2nd axle</i> | Albero di trasm.
<i>Propeller shaft</i> |
| 1.8. | Guida:
<i>Hand of drive:</i> | a destra
<i>right</i> | oppure
<i>or</i> | a sinistra
<i>left</i> |
| 1.8.1. | Il veicolo è predisposto per la circolazione stradale:
<i>Vehicle is equipped to be driven in:</i> | a sinistra
<i>left hand traffic</i> | oppure
<i>or</i> | a destra
<i>right hand traffic</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> | | | |
| 2.1.1 | Veicoli a 2 assi:
<i>Two axle vehicles:</i> | non ricorre
<i>not applicable</i> | | |
| 2.1.1.1 | Veicoli a 3 o più assi
<i>Vehicles with three or more axles</i> | ricorre
<i>applicable</i> | | |
| 2.1.1.1.1 | Distanza tra assi consecutivi, da quello in posizione più avanzata a quello in posizione più arretrata:
<i>Axle spacing between consecutive axles going from the foremost to the rearmost axle:</i> | vedere allegato n°
<i>see annex No. 2</i> | 2 | |
| 2.2 | Ralla
<i>Fifth wheel</i> | | | |
| 2.2.2 | Veicoli trattori di semirimorchi:
<i>In case of semi-trailer towing vehicles:</i> | non ricorre
<i>not applicable</i> | | |
| 2.3.1. | Carreggiata di ciascun asse sterzante:
<i>Track of each steered axle:</i> | 1°: 1980 ÷ 1985 | | |
| 2.6. | Massa del veicolo carrozzato, con il dispositivo di accoppiamento se veicolo trattore di categoria diversa dalla categoria M1, in ordine di marcia, oppure massa del telaio cabinato qualora il costruttore non fornisca la carrozzeria e/o il dispositivo di accoppiamento [compresi liquido refrigerante, lubrificanti, carburante, 100 % di altri liquidi, escluse le acque usate, attrezzi, ruota di scorta e conducente e, nel caso degli autobus, la massa di una seconda persona (75 kg) se nel veicolo è previsto per essa un apposito sedile]: (massima e minima):
<i>Mass of the vehicle with bodywork, and with coupling device in the case of a towing vehicle of category other than M1 in running order, or mass of the chassis with cab if the manufacturer does not fit the bodywork and/or coupling device (including coolant, oils, fuel, 100 % other liquids except used waters, tools, spare wheel and driver and, for buses and coaches, the mass of the crew member (75 kg) if there is a crew seat in the vehicle): (maximum and minimum):</i> | vedere allegato n°
<i>see annex No. 2.1.</i> | 2.1. | |
| 2.6.1. | Distribuzione di tale massa tra gli assi e, nel caso di un semirimorchio o di un rimorchio ad asse centrale, carico gravante sul punto di aggancio (massima e minima per ogni variante):
<i>Distribution of this mass among the axles and, in the case of a semitrailer or centre-axle trailer, load on the coupling point (maximum and minimum for each variant):</i> | vedere allegato n° 2.1.
<i>see annex No. 2.1.</i> | | |



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

- 2.7. Massa minima del veicolo completato dichiarata dal costruttore, nel caso di un veicolo incompleto: 7450
Minimum mass of the completed vehicle as stated by the manufacturer, in the case of an incomplete vehicle:
- 2.7.1. Ripartizione di tale massa sugli assi e, nel caso di un semirimorchio o di un rimorchio ad asse centrale, carico gravante sul punto di accoppiamento: 1°: 3670
Distribution of this mass among the axles and, in the case of semitrailer or centre-axle trailer, load on the coupling point: 2° + 3°: 3780
- 2.8. Massa massima a pieno carico tecnicamente ammissibile dichiarata dal costruttore (massima e minima): vedere allegato n° 2
Technically permissible maximum laden mass stated by the manufacturer (maximum and minimum for each variant): see annex No. 2
- 2.8.1. Distribuzione di tale massa tra gli assi e, nel caso di un semirimorchio o di un rimorchio ad asse centrale, carico gravante sul punto di aggancio (massima e minima): vedere allegato n° 2
Distribution of this mass among the axles and, in the case of a semitrailer or centre-axle trailer, load on the coupling point (maximum and minimum for each variant): see annex No. 2
- 2.9. Carico/massa massima tecnicamente ammissibile su ciascun asse: vedere allegato n° 2
Technically permissible maximum mass on each axle: see annex No. 2
- 2.10. Carico/massa massima tecnicamente ammissibile su ciascun gruppo di assi: vedere allegato n° 2
Technically permissible maximum load/mass on each axle group: see annex No. 2
- 2.11. Massa massima rimorchiabile tecnicamente ammissibile del veicolo a motore in caso di
Technically permissible maximum towable mass of the motor vehicle in case of
- 2.11.1. - rimorchio a timone: vedere allegato n° 2
- drawbar trailer: see annex No. 2
- 2.11.2. - semirimorchio: non ricorre
- semi-trailer: not applicable
- 2.11.3. - rimorchio ad asse centrale: 3500
- centre-axle trailer:
- 2.11.4. Massa massima a pieno carico tecnicamente ammissibile della combinazione di veicoli: vedere allegato n° 2
Technically permissible maximum mass of the combination: see annex No. 2
- 2.11.6. Massa massima del rimorchio non frenato: 750
Maximum mass of unbraked trailer:
- 2.12. Carico verticale statico/massa massima tecnicamente ammissibile sul punto di aggancio
Technically permissible maximum static vertical load/mass on the vehicle's coupling point
- 2.12.1. - del veicolo a motore: 140
- of the motor vehicle:
3. **MOTOPROPULSORE**
POWER PLANT
- 3.1. Costruttore: vedere allegato n° 3
Manufacturer: see annex No. 3



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

- 3.1.1 Codice motore del costruttore quale apposto sul motore: vedere allegato n° 3
Manufacturer's engine code as marked on the engine: see annex No. 3
- 3.2. Motore a combustione interna
Internal combustion engine
- 3.2.1.1. Principio di funzionamento: accensione spontanea quattro tempi
Working principle: compression ignition four stroke
- 3.2.1.9. Regime massimo ammesso, dichiarato dal costruttore: vedere allegato n° 3
Max. permitted engine speed as prescribed by the manufacturer: see annex No. 3
- 3.2.5. Impianto elettrico
Electrical system
- 3.2.5.1. Tensione nominale: 24 V, terminale a massa: negativo
Rated voltage: V, ground: negative
- 3.2.5.2. Generatore
Generator
- 3.2.5.2.1. Tipo: Alternatore
Type: Alternator
- 3.2.5.2.2. Potenza nominale: 840 ÷ 2160 VA
Nominal output:
- 3.3. Motore elettrico
Electric motor
- 3.3.1. Tipo (avvolgimento, eccitazione): non ricorre
Type (winding, excitation): not applicable
- 3.3.1.1. Massima potenza oraria: non ricorre
Maximum hourly output: not applicable
- 3.3.1.2. Tensione di esercizio: non ricorre
Operating voltage: not applicable
- 3.3.2. Batteria
Battery
- 3.3.2.2. Massa: non ricorre
Mass: not applicable
- 3.4. Altri motori o propulsori o loro combinazioni (indicazione degli elementi di questi tipi di motori): non ricorre
Other engines or motors or combinations thereof (particulars regarding the parts of such engines or motors): not applicable
4. **TRASMISSIONE**
TRANSMISSION
- 4.2. Tipo di trasmissione (meccanica, idraulica, elettrica, ecc.): meccanica
Type (mechanical, hydraulic, electric,...): mechanical
- 4.6. Rapporti di trasmissione: invariati rispetto al veicolo fase 1
Gear ratios: unchanged respect to the stage 1 vehicle

Marcia	Rapporti del cambio (rapporti tra il numero di giri dell'albero motore e quelli dell'albero secondario del cambio) <i>Internal gearbox ratios (ratios of engine to gearbox output shaft revolutions)</i>	Rapporto(i) al ponte (rapporto tra il numero di giri dell'albero secondario e quelli delle ruote motrici) <i>Final drive ratio(s) (ratio of gearbox output shaft to driven wheel revolutions)</i>	Rapporti totali di trasmissione <i>Total gear ratios</i>
Gear			
Massimo ⁽¹⁾ <i>Maximum for CVT ⁽¹⁾</i>			



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

1
2
....
5
6
Minimo ⁽¹⁾
Minimum for CVT ⁽¹⁾
Retromarcia
Reverse

(¹) Trasmissione cambio continuo.

Continuously variable transmission.

4.7. Velocità massima del veicolo:
Maximum vehicle speed:

130 km/h

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

5. **ASSI** **AXLES**

5.4. Posizione dell'asse o degli assi sollevabili:
Position of retractable axle(s):

3° asse (optional)
3rd axle (optional)

Disegno 3° asse senza sollevatore: S08A072179 del
18.11.2016
3rd axle without lift device drawing: S08A072179 of 18.11.2016

Disegno 3° asse con sollevatore (optional): S08A072345
del 09.05.2017
*3rd axle with lift device (optional) drawing: S08A072345 of
09.05.2017*

6. **SOSPENSIONE** **SUSPENSION**

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

1° asse: originale Iveco, vedere disegno n° 5801291115
del 15.04.2009
1st axle: original Iveco, see drawing No. 5801291115 of 15.04.2009

2° asse: originale Iveco, vedere disegno n° 5801291116
del 15.04.2009
2nd axle: original Iveco, see drawing No. 5801291116 of 15.04.2009

3° asse: vedere disegno n° 10.01.10.0013 del 08.07.2016
3rd axle: see drawing No. 10.01.10.0013 of 08.07.2016

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

1° asse: molle a balestra parabolica longitudinali, vedere disegno
n° 504356278 del 03.09.2009 ed ammortizzatore
disegno n° 99473798 del 13.02.1996
*1st axle: longitudinal spring leaf parabolic, see drawing No. 504356278
of 03.09.2009 and shock absorber drawing No. 99473798
of 13.02.1996*

2° asse: molle a balestra parabolica longitudinali, vedere disegno
n° 504356295 del 14.10.2013 ed ammortizzatore disegno
n° 99449219 del 23.01.1998



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

2nd axle: longitudinal spring leaf parabolic, see drawing No. 504356295 of 14.10.2013 and shock absorber drawing No. 99449219 of 23.01.1998

3° asse: pneumatica, con molla a balestra monolama disegno n° 10.10.00.0009 del 10.02.2016, con molla pneumatica disegno n° 05101012 del 15.03.2016 e con ammortizzatore disegno n° 05102005 del 15.03.2016

3rd axle: pneumatic, with spring leaf drawing No. 10.10.00.0009 of 10.02.2016, with air-bag diapress drawing No. 05101012 of 15.03.2016 and with shock absorber drawing No. 05102005 of 15.03.2016

6.6. Pneumatici e ruote *Tyres and wheels*

6.6.1. Combinazione(i) pneumatico/ruota (per i pneumatici, indicare la designazione delle dimensioni, l'indice di capacità di carico minimo, il simbolo della categoria di velocità minima; per le ruote, indicare le dimensioni del cerchione e della campanatura)
Tyre/Wheel combination(s) (for tyres indicate size designation, minimum load-capacity index, minimum speed category symbol; for wheels indicate rim size(s) and off-set)

6.6.1.1. Assi *Axels*

6.6.1.1.1. Asse 1: vedere allegato n° 4
Axel 1: see annex No. 4

6.6.1.1.2. Asse 2: vedere allegato n° 4
Axel 2: see annex No. 4

6.6.1.1.3. Asse 3: vedere allegato n° 4
Axel 3: see annex No. 4

6.6.2. Limiti superiore e inferiore dei raggi di rotolamento: *Upper and lower limits of rolling radii:*

6.6.2.1. Asse 1: 522 mm
Axel 1:

6.6.2.2. Asse 2: 522 mm
Axel 2:

6.6.2.3. Asse 3: 522 mm
Axel 3:

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: vedere allegato n° 4
1st axle: see annex No. 4

6.6.3.2. 2° asse: vedere allegato n° 4
2nd axle: see annex No. 4

6.6.3.3. 3° asse: vedere allegato n° 4
3rd axle: see annex No. 4

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



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

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:

vedere disegno n° 25.01.15.0005 del 08.01.2018

see drawing No. 25.01.15.0005 of 08.01.2018

1° asse: invariato rispetto al veicolo base, con omologazione:

1st axle: E3 13R-09 1840 00 del 26.07.2004
aggiornata all'estensione: E3 13R-10 1840 08
del 13.11.2017
- freno a disco Ø432 mm
- brake chamber: 24"
- guarnizioni freni: Ferodo 4550 oppure Galfer 3358
unchanged, respect to stage I vehicle, with approval:
E3 13R-09 1840 00 of 26.07.2004 updated by extension
E3 13R-10 1840 08 of 13.11.2017
- disc brake: Ø432 mm
- brake chamber: 24"
- brake linings: Ferodo 4550 or Galfer 3358

2° asse: invariato rispetto al veicolo base, con omologazione:

2nd axle: E3 13R-09 1840 00 del 26.07.2004
aggiornata all'estensione: E3 13R-10 1840 08
del 13.11.2017
- freno a disco Ø432 mm
- brake chamber combinato con molla: 20/27"
- guarnizioni freni: Ferodo 4550 oppure Galfer 3358
unchanged, respect to stage I vehicle, with approval:
E3 13R-09 1840 00 of 26.07.2004 updated by extension
E3 13R-10 1840 08 of 13.11.2017
- disc brake: Ø432 mm
- brake chamber combined with spring: 20/27"
- brake linings: Ferodo 4550 or Galfer 3358

3° asse: - disegno pinze n° 5801341086 del 28.11.2013

3rd axle: codice pinza sinistra: 5801341080
codice pinza destra: 5801341081
- disegno disco freno n° 7189475 del 10.04.2007
- freno a disco Ø432 mm
- brake chamber: 12"
- guarnizioni freni: Ferodo 4550 oppure Galfer 3358
disegno n° 5801341088 del 28.07.2010
- brake pad drawing No. 5801341086 del 28.11.2013
left brake pad code: 5801341080
right brake pad code: 5801341081
- disc brake drawing No. 7189475 of 10.04.2007
- disc brake: Ø432 mm
- brake chamber: 12"
- brake linings: Ferodo 4550 or Galfer 3358
drawing No. 5801341088 of 28.07.2010



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. **ST_IG190EL2CA_13R**
del
of **01.02.2018**

- 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:
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:
- invariato rispetto al veicolo base, con omologazione:
E3 13R-09 1840 00 del 26.07.2004
aggiornata all'estensione: E3 13R-10 1840 08 del 13.11.2017
unchanged, respect to stage I vehicle, with approval: E3 13R-09 1840 00 of 26.07.2004 updated by extension E3 13R-10 1840 08 of 13.11.2017
- 8.2.1. Impianto frenante di servizio:
Service braking system:
- pneumatico, a 2 circuiti indipendenti
uno per 1° asse, uno per 2° e 3° asse
*pneumatic, 2 independent circuits
one for 1st axles, one for 2nd and 3rd axles*
- 8.2.2. Impianto frenante di soccorso:
Secondary braking system:
- conglobato con il freno di servizio, per sdoppiamento di sezioni
included with service braking system, for splitting of sections
- 8.2.3. Impianto del freno di stazionamento:
Parking braking system:
- meccanico a molla, agente su: 2° asse
trasmissione: pneumatica
e con comando: a mano
*by the spring-brake actuator of the: axles 2nd
transmission: pneumatic
and control: hand*
- 8.2.4. Eventuali impianti frenanti complementari:
Any additional braking system:
- freno motore con comando indipendente; rallentatore Allison di tipo idrodinamico; rallentatore Voith tipo NT60D a magneti permanenti.
exhaust brake with separate control; retarder Allison hydrodynamic type; retarder Voith type NT60D permanent magnet.
- 8.2.5. Impianto frenante d'emergenza in caso di distacco accidentale del rimorchio:
Break-away braking system:
- 8.3. Comando e trasmissione degli impianti frenanti del rimorchio in veicoli destinati al traino di un rimorchio:
Control and transmission of trailer braking systems in vehicles designed to tow a trailer:
- vedere disegno n° 25.01.15.0005 del 08.01.2018
see drawing No. 25.01.15.0005 of 08.01.2018
- 8.4. Veicolo è predisposto per il traino di un rimorchio dotato di sistema pneumatico di frenatura di servizio:
Vehicle is equipped to tow a trailer with pneumatic service brakes:
- sì
yes
- 8.5. Sistema antibloccaggio:
Anti-lock braking system:
- sì centralina Knorr-Bremse 0 486 107 002
approvazione E1 10R-034040
*yes control unit Knorr-Bremse 0 486 107 002
approval E1 10R-034040*
- 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:
For vehicles with anti-lock braking systems, description of system operation (including any electronic parts), electric block diagram, hydraulic or pneumatic circuit plan:
- invariato rispetto al veicolo fase 1, con omologazione E3 13R-09 1840 00 del 26.07.2004, aggiornata dall'estensione E3 13R-10 1840 08 del 13.11.2017
unchanged, respect to stage I vehicle, with approval: E3 13R-09 1840 00 of 26.07.2004 updated by extension E3 13R-10 1840 08 of 13.11.2017
- 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:
- vedere punto 8.5.1.
see point 8.5.1.
- 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:
- vedere punto 8.5.1.
see point 8.5.1.



SCHEDA INFORMATIVA INFORMATION DOCUMENT

N°
No. ST_IG190EL2CA_13R
del
of 01.02.2018

- 8.7.1. Nel caso di sistemi ad aria compressa, pressione di esercizio p_2 nel o nei serbatoi: 11 bar
In the case of compressed-air braking systems, working pressure p_2 in the pressure reservoir(s):
- 8.7.2. Nel caso di sistemi di frenatura a depressione, livello iniziale di energia nel o nei serbatoi: non ricorre
In the case of vacuum braking systems, the initial energy level in the reservoir(s): 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: non ricorre
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: not applicable
- 8.9. Breve descrizione dei sistemi di frenatura conformemente al punto 11. dell'appendice 1 dell'allegato 2 del Regolamento UNECE 13: vedere punto 8.5.1.
Brief description of the braking systems according to point 11. of the Appendix 1 of Annex 2 to UNECE Regulation 13: see point 8.5.1.
- 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: non ricorre
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: not applicable
- 8.11. Dati del tipo o dei tipi di sistemi di frenatura elettronica (EBS): vedere punto 8.5.1.
Particulars of the type(s) of endurance braking system(s) (EBS): see point 8.5.1.

Revisione 0 del 01.02.2018
Revision of

x La Ditta


(ing. Paolo MARTINI)
SISTEM TRUCK S.p.A.
Via, 28 - 46048 ROVERBELLA (MN) ITALY
C.F. 02208770797 - P.IVA: 03117430235
+39 0375 596609
e-mail: info@sistemtruck.com
PEC: sistemtruck@legaimail.it

Ruolo: Direttore tecnico
Position: Technical Director



SCHEMA INFORMATIVA INFORMATION DOCUMENT

All n° **0.0**
Annex No.
del
of **01.02.2018**

CHIAVE INTERPRETAZIONE VARIANTI E VERSIONI VARIANTS AND VERSIONS EXPLANATION KEY

Caratteristiche Characteristics	Descrizione Description	Varianti Variants	Versioni Versions
Fase di completamento Extent of build	Incompleto Incomplete	I	
Tipo di carrozzeria Type of bodywork	Senza carrozzeria Without bodywork	C	
Massa massima tecnicamente ammissibile - Den. commerciale Technical admissible maximum mass - Commercial name	24000 kg - ML240E	S	
	25000 kg - ML250E	T	
	26000 kg - ML260E	U	
Assi sterzanti Steering axle	1° 1 st	1	
Assi motore Powered axes	2° 2 nd	1	
Numero e disposizione cilindri - cilindrata Number and arrangement of cylinders - engine capacity	6 verticali in linea / vertical in line - 5880 cm³	2	
Potenza del motore Engine power	176 kW a 2700 giri/min (F4AEE681B)	D	
	202 kW a 2500 giri/min (F4AEE681A)	E	
	185 kW a 2700 giri/min (F4AE3681D)	F	
	205 kW a 2500 giri/min (F4AE3681E)	G	
	220 kW a 2500 giri/min (F4AE3681A)	H	
Classificazione ADR ADR classification	EXII, EXIII, FL, AT, OX		1
	senza equipaggiamento ADR without ADR equipment		2
Massa massima tecnicamente ammissibile su 1° asse Technically permissible mass on 1 st axle	7100 kg		U
	7500 kg		V
Massa tecnicamente ammissibile su 2° asse e 3° asse Technically permissible mass on 2 nd and 3 rd axle	11500 kg - 7500 kg		T
	12000 kg - 8000 kg		U
	12000 kg - 8000 kg		V
	12000 kg - 8000 kg		W
Massa massima tecnicamente ammissibile della combinazione Technically permissible mass of combination	Non atto		1
	32500 kg		7
	32500 kg		8
Massa max a carico amm. per l'immatricolazione / circolazione Intended registration / in service max permissible laden mass	Non ricorre Not applicable		0
Uscita gas di scarico Exhaust exit	laterale sinistra / side left		A
Direttiva emissioni Directive emission	EURO III		3
	EURO V		5
Tipo di cambio Type of gear	Manuale / manual		A
	Automatico / automatic		B
Tipo di sospensione Type of suspension	1°: sosp. meccanica / mechanical suspension 2°: sosp. meccanica / mechanical suspension 3°: sosp. pneumatica / air suspension		M
Configurazione e numero porte Configuration and number of doors	2 (cab. MLC o/or MLL)		2
Interasse Wheelbase	3690 mm		A
	4185 mm		B
	4590 mm		C
	4815 mm		D
	5175 mm		E



SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° 0.1
Annex No.
del 01.02.2018
of

COMBINAZIONI POSSIBILI PERMISSIBLE COMBINATION

Variante Variant	Versioni Versions		Variante Variant	Versioni Versions	
I C S 1 1 2 F	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 F	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 F	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 F	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 F	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E	I C S 1 1 2 F	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C S 1 1 2 G	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 G	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 G	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 G	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 G	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E	I C S 1 1 2 G	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C S 1 1 2 H	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 H	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 H	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C S 1 1 2 H	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C S 1 1 2 H	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E	I C S 1 1 2 H	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 F	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E	I C T 1 1 2 F	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E

Variante Variant	Versioni Versions	
I C T 1 1 2 F	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E
I C T 1 1 2 F	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 G	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E
I C T 1 1 2 G	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E
I C T 1 1 2 G	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 H	1 U T 1 0 A 3 A M 2 2 V 5 B	A B C D E
I C T 1 1 2 H	1 U U 1 0 A 3 A M 2 2 V 5 B	A B C D E
I C T 1 1 2 H	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C U 1 1 2 F	1 U V 1 0 A 3 A M 2 2 W 5 B	A B C D E
I C U 1 1 2 F	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C U 1 1 2 G	1 U V 1 0 A 3 A M 2 2 W 5 B	A B C D E
I C U 1 1 2 G	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E

Variante Variant	Versioni Versions	
I C T 1 1 2 F	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C T 1 1 2 F	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 G	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E
I C T 1 1 2 G	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C T 1 1 2 G	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 H	1 U T 8 0 A 3 A M 2 2 V 5	A B C D E
I C T 1 1 2 H	1 U U 8 0 A 3 A M 2 2 V 5	A B C D E
I C T 1 1 2 H	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C U 1 1 2 F	1 U V 8 0 A 3 A M 2 2 W 5	A B C D E
I C U 1 1 2 F	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C U 1 1 2 G	1 U V 8 0 A 3 A M 2 2 W 5	A B C D E
I C U 1 1 2 G	1 V W 8 0 A 3 A M 2 2 5	A B C D E

Variante Variant	Versioni Versions	
I C U 1 1 2 H	1 U V 1 0 A 3 A M 2 2 W 5 B	A B C D E
I C U 1 1 2 H	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C S 1 1 2 F	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C S 1 1 2 G	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C S 1 1 2 H	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 F	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 F	1 U V 8 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 F	1 U W 8 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 G	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 G	1 U V 8 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 G	1 U W 8 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 H	1 V W 1 0 A 3 A M 2 2 5 B	A B C D E

Variante Variant	Versioni Versions	
I C U 1 1 2 H	1 U V 8 0 A 3 A M 2 2 W 5	A B C D E
I C U 1 1 2 H	1 V W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 F	1 U V 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 F	1 U V 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 F	1 U W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 G	1 U V 1 0 A 3 A M 2 2 5 B	A B C D E
I C T 1 1 2 G	1 U V 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 G	1 U W 8 0 A 3 A M 2 2 5	A B C D E
I C T 1 1 2 H	1 U V 1 0 A 3 A M 2 2 5 B	A B C D E

Variante Variant								Versioni Versions											
I	C	T	1	1	2	H		1	U	V	8	0	A	3	A	M	2	A	
								2						5	B			B	
																		C	
																		D	
																		E	
I	C	T	1	1	2	H		1	U	W	8	0	A	3	A	M	2	A	
								2						5	B			B	
																		C	
																		D	
																		E	

Variante Variant								Versioni Versions											
I	C	T	1	1	2	H		1	U	V	8	0	A	3	A	M	2	A	
								2						5				B	
																		C	
																		D	
																		E	
I	C	T	1	1	2	H		1	U	W	8	0	A	3	A	M	2	A	
								2						5				B	
																		C	
																		D	
																		E	



SCHEDA INFORMATIVA
INFORMATION DOCUMENT

All n° **1**
Annex No.
del
of **01.02.2018**

Punto Item	Variante Variant	Versione Version	Descrizione Description		
1.1.	???????	??????????A	55.01.02.0071	del / of	15.01.2018
	???????	??????????B	55.01.02.0072	del / of	15.01.2018
	???????	??????????C	55.01.02.0073	del / of	15.01.2018
	???????	??????????D	55.01.02.0074	del / of	15.01.2018
	???????	??????????E	55.01.02.0075	del / of	15.01.2018



SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° 2
Annex No.
del
of 01.02.2018

Punto Item	Variante Variant	Versione Version	Descrizione Description					
2.1.1.1.1.	???????	??????????A	1° ÷ 2°:		2° ÷ 3°:			
	???????	??????????B	3690	mm	1448	mm		
	???????	??????????C	4185	mm	1448	mm		
	???????	??????????D	4590	mm	1448	mm		
	???????	??????????E	4815	mm	1448	mm		
2.1.2.2.	???????	??????????A	5175	mm	1448	mm		
	???????	??????????B	5138	mm				
	???????	??????????C	5633	mm				
	???????	??????????D	6038	mm				
	???????	??????????E	6263	mm				
2.4.1.5.	???????	??????????A	6623	mm				
	???????	??????????B	1345	mm				
	???????	??????????C	1809	mm				
	???????	??????????D	1989	mm				
	???????	??????????E	1989	mm				
2.8.	??S????	???????????	24000	kg				
	??T????	???????????	25000	kg				
	??U????	???????????	26000	kg				
2.8.1.	??S???? ??S???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T???? ??T????	?UT??????? ?VT??????? ?UT??????? ?UU??????? ?UV??????? ?UW??????? ?VT??????? ?VU??????? ?VV??????? ?VW??????? ?UT??????? ?UU??????? ?UV??????? ?UW??????? ?VT??????? ?VU??????? ?VV??????? ?VW???????	1°		2°		3°	
			min	max	min	max	min	max
			5000	7100 kg	11500	11500 kg	7500	7500 kg
			5000	7500 kg	11500	11500 kg	7500	7500 kg
			6000	7100 kg	11500	11500 kg	7500	7500 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
			5000	7100 kg	12000	12000 kg	8000	8000 kg
2.9.	???????	??UT???????	1° gruppo (T1):		2° gruppo (T2):			
	???????	??UU???????	1st group (T1):		2nd group (T2):			
	???????	??UV???????	7100	kg	19000	kg		
	???????	??UW???????	7100	kg	20000	kg		
	???????	??VT???????	7100	kg	20000	kg		
	???????	??VU???????	7100	kg	20000	kg		
	???????	??VV???????	7500	kg	19000	kg		
	???????	??VW???????	7500	kg	20000	kg		



SCHEDA INFORMATIVA **INFORMATION DOCUMENT**

All n° **2**
Annex No.
del
of **01.02.2018**

Punto Item	Variante Variant	Versione Version	Descrizione Description		
2.10.	???????	?UT????????	7100 kg	1°	2°
	???????	?UU????????	7100 kg	11500 kg	7500 kg
	???????	?UV????????	7100 kg	12000 kg	8000 kg
	???????	?UW????????	7100 kg	12000 kg	8000 kg
	???????	?VT????????	7500 kg	11500 kg	7500 kg
	???????	?VU????????	7500 kg	12000 kg	8000 kg
	???????	?VV????????	7500 kg	12000 kg	8000 kg
	???????	?VW????????	7500 kg	12000 kg	8000 kg
2.11.4.	??S????	???1????????	4500 kg		
	??T????	???1????????	4500 kg		
	??U????	???1????????	4500 kg		
	??S????	???7????????	8500 kg		
	??T????	???7????????	7500 kg		
	??U????	???7????????	6500 kg		
	??S????	???8????????	8500 kg		
	??T????	???8????????	7500 kg		
	??U????	???8????????	6500 kg		
2.11.5.	??S????	???1????????	28500 kg		
	??T????	???1????????	29500 kg		
	??U????	???1????????	30500 kg		
	????????	???7????????	32500 kg		
	????????	???8????????	32500 kg		



SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n°
Annex No.
del
of

2.1.

01.02.2018

Variente Variant	Versione Version	Cabina Cabin	Int. 1 WB 1	Massa Mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	MC Max.mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{min} (+)	L _{max}	S _{max}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{max} (+)	L _{min}	S _{min}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle
				2.6		2.6.1.		2.8.		2.9.		2.4.1.8.	2.4.1.1.1.	2.4.1.5.		2.8.1.		2.4.1.8.	2.4.1.1.2.	2.4.1.5.		2.8.1.	
??S?????	?UT?????A	MLC	3690	7010	3690	2520	800	24000	7100	11500	7500	-243	8843	2343	5000	11500	7500	284	7790	1290	7100	10229	6671
??S?????	?UT?????A	MLL	3690	7130	3800	2530	800	24000	7100	11500	7500	-268	8314	1814	5000	11500	7500	262	7253	753	7100	10229	6671
??S?????	?VT?????A	MLC	3690	7010	3690	2520	800	24000	7500	11500	7500	-243	8843	2343	5000	11500	7500	384	7589	1089	7500	9987	6513
??S?????	?VT?????A	MLL	3690	7130	3800	2530	800	24000	7500	11500	7500	-268	8314	1814	5000	11500	7500	363	7051	551	7500	9987	6513
??T?????	?UT?????A	MLC	3690	7010	3690	2520	800	25000	7100	11500	7500	-24	8406	1906	6000	11500	7500	236	7885	1385	7100	10834	7066
??T?????	?UT?????A	MLL	3690	7130	3800	2530	800	25000	7100	11500	7500	-47	7871	1371	6000	11500	7500	215	7346	846	7100	10834	7066
??T?????	?UU?????A	MLC	3690	7010	3690	2520	800	25000	7100	12000	8000	-268	8894	2394	5000	12000	8000	230	7897	1397	7100	10740	7160
??T?????	?UU?????A	MLL	3690	7130	3800	2530	800	25000	7100	12000	8000	-293	8362	1862	5000	12000	8000	209	7359	859	7100	10740	7160
??T?????	?UV?????A	MLC	3690	7010	3690	2520	800	25000	7100	12000	8000	-268	8894	2394	5000	12000	8000	230	7897	1397	7100	10740	7160
??T?????	?UV?????A	MLL	3690	7130	3800	2530	800	25000	7100	12000	8000	-293	8362	1862	5000	12000	8000	209	7359	859	7100	10740	7160
??T?????	?UW?????A	MLC	3690	7010	3690	2520	800	25000	7100	12000	8000	-268	8894	2394	5000	12000	8000	230	7897	1397	7100	10740	7160
??T?????	?UW?????A	MLL	3690	7130	3800	2530	800	25000	7100	12000	8000	-293	8362	1862	5000	12000	8000	209	7359	859	7100	10740	7160
??T?????	?VT?????A	MLC	3690	7010	3690	2520	800	25000	7500	11500	7500	-24	8406	1906	6000	11500	7500	331	7695	1195	7500	10592	6908
??T?????	?VT?????A	MLL	3690	7130	3800	2530	800	25000	7500	11500	7500	-47	7871	1371	6000	11500	7500	311	7155	655	7500	10592	6908
??T?????	?VU?????A	MLC	3690	7010	3690	2520	800	25000	7500	12000	8000	-268	8894	2394	5000	12000	8000	325	7707	1207	7500	10500	7000
??T?????	?VU?????A	MLL	3690	7130	3800	2530	800	25000	7500	12000	8000	-293	8362	1862	5000	12000	8000	305	7168	668	7500	10500	7000
??T?????	?VV?????A	MLC	3690	7010	3690	2520	800	25000	7500	12000	8000	-268	8894	2394	5000	12000	8000	325	7707	1207	7500	10500	7000
??T?????	?VV?????A	MLL	3690	7130	3800	2530	800	25000	7500	12000	8000	-293	8362	1862	5000	12000	8000	305	7168	668	7500	10500	7000
??T?????	?VW?????A	MLC	3690	7010	3690	2520	800	25000	7500	12000	8000	-268	8894	2394	5000	12000	8000	325	7707	1207	7500	10500	7000
??T?????	?VW?????A	MLL	3690	7130	3800	2530	800	25000	7500	12000	8000	-293	8362	1862	5000	12000	8000	305	7168	668	7500	10500	7000
??U?????	?UT?????A	MLC	3690	7010	3690	2520	800	26000	7100	11500	7500	171	8015	1515	7000	11500	7500	194	7970	1470	7100	11439	7461
??U?????	?UT?????A	MLL	3690	7130	3800	2530	800	26000	7100	11500	7500	151	7475	975	7000	11500	7500	174	7430	930	7100	11439	7461
??U?????	?UU?????A	MLC	3690	7010	3690	2520	800	26000	7100	12000	8000	-60	8477	1977	6000	12000	8000	187	7982	1482	7100	11340	7560
??U?????	?UU?????A	MLL	3690	7130	3800	2530	800	26000	7100	12000	8000	-81	7940	1440	6000	12000	8000	167	7442	942	7100	11340	7560
??U?????	?UV?????A	MLC	3690	7010	3690	2520	800	26000	7100	12000	8000	-60	8477	1977	6000	12000	8000	187	7982	1482	7100	11340	7560
??U?????	?UV?????A	MLL	3690	7130	3800	2530	800	26000	7100	12000	8000	-81	7940	1440	6000	12000	8000	167	7442	942	7100	11340	7560
??U?????	?UW?????A	MLC	3690	7010	3690	2520	800	26000	7100	12000	8000	-60	8477	1977	6000	12000	8000	187	7982	1482	7100	11340	7560
??U?????	?UW?????A	MLL	3690	7130	3800	2530	800	26000	7100	12000	8000	-81	7940	1440	6000	12000	8000	167	7442	942	7100	11340	7560
??U?????	?VT?????A	MLC	3690	7010	3690	2520	800	26000	7500	11500	7500	171	8015	1515	7000	11500	7500	283	7790	1290	7500	11197	7303
??U?????	?VT?????A	MLL	3690	7130	3800	2530	800	26000	7500	11500	7500	151	7475	975	7000	11500	7500	264	7249	749	7500	11197	7303
??U?????	?VU?????A	MLC	3690	7010	3690	2520	800	26000	7500	12000	8000	-60	8477	1977	6000	12000	8000	277	7802	1302	7500	11100	7400
??U?????	?VU?????A	MLL	3690	7130	3800	2530	800	26000	7500	12000	8000	-81	7940	1440	6000	12000	8000	258	7261	761	7500	11100	7400
??U?????	?VV?????A	MLC	3690	7010	3690	2520	800	26000	7500	12000	8000	-60	8477	1977	6000	12000	8000	277	7802	1302	7500	11100	7400
??U?????	?VV?????A	MLL	3690	7130	3800	2530	800	26000	7500	12000	8000	-81	7940	1440	6000	12000	8000	258	7261	761	7500	11100	7400
??U?????	?VW?????A	MLC	3690	7010	3690	2520	800	26000	7500	12000	8000	-60	8477	1977	6000	12000	8000	277	7802	1302	7500	11100	7400
??U?????	?VW?????A	MLL	3690	7130	3800	2530	800	26000	7500	12000	8000	-81	7940	1440	6000	12000	8000	258	7261	761	7500	11100	7400
??S?????	?UT?????B	MLC	4185	7030	3695	2530	805	24000	7100	11500	7500	-206	9759	2764	5000	11500	7500	383	8581	1586	7100	10229	6671
??S?????	?UT?????B	MLL	4185	7150	3805	2540	805	24000	7100	11500	7500	-234	9235	2240	5000	11500	7500	359	8050	1055	7100	10229	6671
??S?????	?VT?????B	MLC	4185	7030	3695	2530	805	24000	7500	11500	7500	-206	9759	2764	5000	11500	7500	495	8357	1362	7500	9987	6513
??S?????	?VT?????B	MLL	4185	7150	3805	2540	805	24000	7500	11500	7500	-234	9235	2240	5000	11500	7500	471	7824	829	7500	9987	6513
??T?????	?UT?????B	MLC	4185	7030	3695	2530	805	25000	7100	11500	7500	39	9270	2275	6000	11500	7500	330	8688	1693	7100	10834	7066
??T?????	?UT?????B	MLL	4185	7150	3805	2540	805	25000	7100	11500	7500	13	8740	1745	6000	11500	7500	306	8154	1159	7100	10834	7066
??T?????	?UU?????B	MLC	4185	7030	3695	2530	805	25000	7100	12000	8000	-233	9813	2818	5000	12000	8000	324	8700	1705	7100	10740	7160
??T?????	?UU?????B	MLL	4185	7150	3805	2540	805	25000	7100	12000	8000	-260	9288	2293	5000	12000	8000	300	8167	1172	7100	10740	7160
??T?????	?UV?????B	MLC	4185	7030	3695	2530	805	25000	7100	12000	8000	-233	9813	2818	5000	12000	8000	324	8700	1705	7100	10740	7160
??T?????	?UV?????B	MLL	4185	7150	3805	2540	805	25000	7100	12000	8000	-260	9288	2293	5000	12000	8000	300	8167	1172	7100	10740	7160
??T?????	?UW?????B	MLC	4185	7030	3695	2530	805	25000	7100	12000	8000	-233	9813	2818	5000	12000	8000	324	8700	1705	7100	10740	7160
??T?????	?UW?????B	MLL	4185	7150	3805	2540	805	25000	7100	12000	8000	-260	9288	2293	5000	12000	8000	300	8167	1172	7100	10740	7160
??T?????	?VU?????B	MLC	4185	7030	3695	2530	805	25000	7500	11500	7500	39	9270	2275	6000	11500	7500	436	8476	1481	7500	10592	6908
??T?????	?VU?????B	MLL	4185	7150	3805	2540	805	25000	7500	11500	7500	13	8740	1745	6000	11500	7500	413	7941	946	7500	10592	6908

Variante Variant	Versione Version	Cabina Cabin	Int. 1 WB 1	Massa Mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	MC Max.mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{min} (+)	L _{max}	S _{max}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{max} (+)	L _{min}	S _{min}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle
				2.6	2.6.1.			2.8.	2.9.			2.4.1.8.	2.4.1.1.1.	2.4.1.5.	2.8.1.			2.4.1.8.	2.4.1.1.2.	2.4.1.5.	2.8.1.		
??T????	?VU?????B	MLC	4185	7030	3695	2530	805	25000	7500	12000	8000	-233	9813	2818	5000	12000	8000	430	8488	1493	7500	10500	7000
??T????	?VU?????B	MLL	4185	7150	3805	2540	805	25000	7500	12000	8000	-260	9288	2293	5000	12000	8000	407	7953	958	7500	10500	7000
??T????	?VW?????B	MLC	4185	7030	3695	2530	805	25000	7500	12000	8000	-233	9813	2818	5000	12000	8000	430	8488	1493	7500	10500	7000
??T????	?VW?????B	MLL	4185	7150	3805	2540	805	25000	7500	12000	8000	-260	9288	2293	5000	12000	8000	407	7953	958	7500	10500	7000
??T????	?VW?????B	MLC	4185	7030	3695	2530	805	26000	7100	11500	7500	257	8833	1838	7000	11500	7500	282	8783	1788	7100	11439	7461
??T????	?VW?????B	MLL	4185	7150	3805	2540	805	25000	7500	12000	8000	-260	9288	2293	5000	12000	8000	407	7953	958	7500	10500	7000
??U????	?UT?????B	MLC	4185	7030	3695	2530	805	26000	7100	12000	8000	0	9348	2353	6000	12000	8000	276	8795	1800	7100	11340	7560
??U????	?UT?????B	MLL	4185	7150	3805	2540	805	26000	7100	12000	8000	-24	8816	1821	6000	12000	8000	254	8260	1265	7100	11340	7560
??U????	?UV?????B	MLC	4185	7030	3695	2530	805	26000	7100	12000	8000	0	9348	2353	6000	12000	8000	276	8795	1800	7100	11340	7560
??U????	?UV?????B	MLL	4185	7150	3805	2540	805	26000	7100	12000	8000	-24	8816	1821	6000	12000	8000	254	8260	1265	7100	11340	7560
??U????	?UW?????B	MLC	4185	7030	3695	2530	805	26000	7100	12000	8000	0	9348	2353	6000	12000	8000	276	8795	1800	7100	11340	7560
??U????	?UW?????B	MLL	4185	7150	3805	2540	805	26000	7100	12000	8000	-24	8816	1821	6000	12000	8000	254	8260	1265	7100	11340	7560
??U????	?VT?????B	MLC	4185	7030	3695	2530	805	26000	7500	11500	7500	257	8833	1838	7000	11500	7500	382	8582	1587	7500	11197	7303
??U????	?VT?????B	MLL	4185	7150	3805	2540	805	26000	7500	11500	7500	235	8298	1303	7000	11500	7500	361	8045	1050	7500	11197	7303
??U????	?VU?????B	MLC	4185	7030	3695	2530	805	26000	7500	12000	8000	0	9348	2353	6000	12000	8000	376	8594	1599	7500	11100	7400
??U????	?VU?????B	MLL	4185	7150	3805	2540	805	26000	7500	12000	8000	-24	8816	1821	6000	12000	8000	355	8058	1063	7500	11100	7400
??U????	?VU?????B	MLC	4185	7030	3695	2530	805	26000	7500	12000	8000	0	9348	2353	6000	12000	8000	376	8594	1599	7500	11100	7400
??U????	?VW?????B	MLL	4185	7150	3805	2540	805	26000	7500	12000	8000	-24	8816	1821	6000	12000	8000	355	8058	1063	7500	11100	7400
??U????	?VW?????B	MLC	4185	7030	3695	2530	805	26000	7500	12000	8000	0	9348	2353	6000	12000	8000	376	8594	1599	7500	11100	7400
??S????	?UT?????C	MLC	4590	7050	3700	2540	810	24000	7100	11500	7500	-176	10508	3108	5000	11500	7500	464	9229	1829	7100	10229	6671
??S????	?UT?????C	MLL	4590	7170	3810	2550	810	24000	7100	11500	7500	-207	9990	2590	5000	11500	7500	437	8702	1302	7100	10229	6671
??S????	?VT?????C	MLC	4590	7050	3700	2540	810	24000	7500	11500	7500	-176	10508	3108	5000	11500	7500	586	8986	1586	7500	9987	6513
??S????	?VT?????C	MLL	4590	7170	3810	2550	810	24000	7500	11500	7500	-207	9990	2590	5000	11500	7500	560	8457	1057	7500	9987	6513
??T????	?UT?????C	MLC	4590	7050	3700	2540	810	25000	7100	11500	7500	90	9977	2577	6000	11500	7500	406	9345	1945	7100	10834	7066
??T????	?UT?????C	MLL	4590	7170	3810	2550	810	25000	7100	11500	7500	62	9452	2052	6000	11500	7500	381	8815	1415	7100	10834	7066
??T????	?UU?????C	MLC	4590	7050	3700	2540	810	25000	7100	12000	8000	-205	10567	3167	5000	12000	8000	400	9357	1957	7100	10740	7160
??T????	?UU?????C	MLL	4590	7170	3810	2550	810	25000	7100	12000	8000	-234	10045	2645	5000	12000	8000	375	8828	1428	7100	10740	7160
??T????	?UV?????C	MLC	4590	7050	3700	2540	810	25000	7100	12000	8000	-205	10567	3167	5000	12000	8000	400	9357	1957	7100	10740	7160
??T????	?UV?????C	MLL	4590	7170	3810	2550	810	25000	7100	12000	8000	-234	10045	2645	5000	12000	8000	375	8828	1428	7100	10740	7160
??T????	?UW?????C	MLC	4590	7050	3700	2540	810	25000	7100	12000	8000	-205	10567	3167	5000	12000	8000	400	9357	1957	7100	10740	7160
??T????	?UW?????C	MLL	4590	7170	3810	2550	810	25000	7100	12000	8000	-234	10045	2645	5000	12000	8000	375	8828	1428	7100	10740	7160
??T????	?VT?????C	MLC	4590	7050	3700	2540	810	25000	7500	11500	7500	90	9977	2577	6000	11500	7500	521	9115	1715	7500	10592	6908
??T????	?VT?????C	MLL	4590	7170	3810	2550	810	25000	7500	11500	7500	62	9452	2052	6000	11500	7500	497	8584	1184	7500	10592	6908
??T????	?VU?????C	MLC	4590	7050	3700	2540	810	25000	7500	12000	8000	-205	10567	3167	5000	12000	8000	515	9127	1727	7500	10500	7000
??T????	?VU?????C	MLL	4590	7170	3810	2550	810	25000	7500	12000	8000	-234	10045	2645	5000	12000	8000	491	8596	1196	7500	10500	7000
??T????	?VW?????C	MLC	4590	7050	3700	2540	810	25000	7500	12000	8000	-205	10567	3167	5000	12000	8000	515	9127	1727	7500	10500	7000
??T????	?VW?????C	MLL	4590	7170	3810	2550	810	25000	7500	12000	8000	-234	10045	2645	5000	12000	8000	491	8596	1196	7500	10500	7000
??T????	?VW?????C	MLC	4590	7050	3700	2540	810	25000	7500	12000	8000	-205	10567	3167	5000	12000	8000	515	9127	1727	7500	10500	7000
??U????	?UT?????C	MLL	4590	7170	3810	2550	810	26000	7100	11500	7500	327	9502	2102	7000	11500	7500	355	9448	2048	7100	11439	7461
??U????	?UT?????C	MLC	4590	7050	3700	2540	810	26000	7100	12000	8000	48	10061	2661	6000	12000	8000	348	9460	2060	7100	11340	7560
??U????	?UU?????C	MLL	4590	7170	3810	2550	810	26000	7100	12000	8000	22	9533	2133	6000	12000	8000	324	8929	1529	7100	11340	7560
??U????	?UV?????C	MLC	4590	7050	3700	2540	810	26000	7100	12000	8000	48	10061	2661	6000	12000	8000	348	9460	2060	7100	11340	7560
??U????	?UV?????C	MLL	4590	7170	3810	2550	810	26000	7100	12000	8000	22	9533	2133	6000	12000	8000	324	8929	1529	7100	11340	7560
??U????	?UW?????C	MLC	4590	7050	3700	2540	810	26000	7100	12000	8000	48	10061	2661	6000	12000	8000	348	9460	2060	7100	11340	7560
??U????	?UW?????C	MLL	4590	7170	3810	2550	810	26000	7100	12000	8000	22	9533	2133	6000	12000	8000	324	8929	1529	7100	11340	7560
??U????	?VT?????C	MLC	4590	7050	3700	2540	810	26000	7500	11500	7500	327	9502	2102	7000	11500	7500	463	9230	1830	7500	11197	7303
??U????	?VT?????C	MLL	4590	7170	3810	2550	810	26000	7500	11500	7500	303	8971	1571	7000	11500	7500	440	8697	1297	7500	11197	7303
??U????	?VU?????C	MLC	4590	7050	3700	2540	810	26000	7500	12000	8000	48	10061	2661	6000	12000	8000	457	9242	1842	7500	11100	7400
??U????	?VU?????C	MLL	4590	7170	3810	2550	810	26000	7500	12000	8000	22	9533	2133	6000	12000	8000	434	8709	1309	7500	11100	7400
??U????	?VW?????C	MLC	4590	7050	3700	2540	810	26000	7500	12000	8000	48	10061	2661	6000	12000	8000	457	9242	1842	7500	11100	7400
??U????	?VW?????C	MLL	4590	7170	3810	2550	810	26000	7500	12000	8000	22	9533	2133	6000	12000	8000	434	8709	1309	7500	11100	7400
??U????	?VW?????C	MLC	4590	7050	3700	2540	810	26000	7500	12000	8000	48	10061	2661	6000	12000	8000	457	9242	1842	7500	11100	7400

Variante Variant	Versione Version	Cabina Cabin	Int. 1 WB 1	Massa Mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	MC Max.mass	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{min} (+)	L _{max}	S _{max}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle	X _{max} (+)	L _{min}	S _{min}	1° asse 1 st axle	2° asse 2 nd axle	3° asse 3 rd axle
				2.6	2.6.1.			2.8.	2.9.			2.4.1.8.	2.4.1.1.1.	2.4.1.5.	2.8.1.			2.4.1.8.	2.4.1.1.2.	2.4.1.5.	2.8.1.		
??U????	?VW?????C	MLL	4590	7170	3810	2550	810	26000	7500	12000	8000	22	9533	2133	6000	12000	8000	434	8709	1309	7500	11100	7400
??S????	?UT?????D	MLC	4815	7070	3705	2550	815	24000	7100	11500	7500	-160	10926	3301	5000	11500	7500	509	9590	1965	7100	10229	6671
??S????	?UT?????D	MLL	4815	7190	3815	2560	815	24000	7100	11500	7500	-192	10411	2786	5000	11500	7500	481	9065	1440	7100	10229	6671
??S????	?VT?????D	MLC	4815	7070	3705	2550	815	24000	7500	11500	7500	-160	10926	3301	5000	11500	7500	636	9335	1710	7500	9987	6513
??S????	?VT?????D	MLL	4815	7190	3815	2560	815	24000	7500	11500	7500	-192	10411	2786	5000	11500	7500	609	8809	1184	7500	9987	6513
??T????	?UT?????D	MLC	4815	7070	3705	2550	815	25000	7100	11500	7500	118	10371	2746	6000	11500	7500	448	9710	2085	7100	10834	7066
??T????	?UT?????D	MLL	4815	7190	3815	2560	815	25000	7100	11500	7500	89	9848	2223	6000	11500	7500	422	9183	1558	7100	10834	7066
??T????	?UU?????D	MLC	4815	7070	3705	2550	815	25000	7100	12000	8000	-190	10986	3361	5000	12000	8000	442	9723	2098	7100	10740	7160
??T????	?UU?????D	MLL	4815	7190	3815	2560	815	25000	7100	12000	8000	-220	10468	2843	5000	12000	8000	416	9196	1571	7100	10740	7160
??T????	?UV?????D	MLC	4815	7070	3705	2550	815	25000	7100	12000	8000	-190	10986	3361	5000	12000	8000	442	9723	2098	7100	10740	7160
??T????	?UV?????D	MLL	4815	7190	3815	2560	815	25000	7100	12000	8000	-220	10468	2843	5000	12000	8000	416	9196	1571	7100	10740	7160
??T????	?UW?????D	MLC	4815	7070	3705	2550	815	25000	7100	12000	8000	-190	10986	3361	5000	12000	8000	442	9723	2098	7100	10740	7160
??T????	?UW?????D	MLL	4815	7190	3815	2560	815	25000	7100	12000	8000	-220	10468	2843	5000	12000	8000	416	9196	1571	7100	10740	7160
??T????	?VT?????D	MLC	4815	7070	3705	2550	815	25000	7500	11500	7500	118	10371	2746	6000	11500	7500	569	9470	1845	7500	10592	6908
??T????	?VT?????D	MLL	4815	7190	3815	2560	815	25000	7500	11500	7500	89	9848	2223	6000	11500	7500	543	8941	1316	7500	10592	6908
??T????	?VU?????D	MLC	4815	7070	3705	2550	815	25000	7500	12000	8000	-190	10986	3361	5000	12000	8000	563	9482	1857	7500	10500	7000
??T????	?VU?????D	MLL	4815	7190	3815	2560	815	25000	7500	12000	8000	-220	10468	2843	5000	12000	8000	537	8953	1328	7500	10500	7000
??T????	?VV?????D	MLC	4815	7070	3705	2550	815	25000	7500	12000	8000	-190	10986	3361	5000	12000	8000	563	9482	1857	7500	10500	7000
??T????	?VV?????D	MLL	4815	7190	3815	2560	815	25000	7500	12000	8000	-220	10468	2843	5000	12000	8000	537	8953	1328	7500	10500	7000
??T????	?VW?????D	MLC	4815	7070	3705	2550	815	25000	7500	12000	8000	-190	10986	3361	5000	12000	8000	563	9482	1857	7500	10500	7000
??T????	?VW?????D	MLL	4815	7190	3815	2560	815	25000	7500	12000	8000	-220	10468	2843	5000	12000	8000	537	8953	1328	7500	10500	7000
??U????	?UT?????D	MLC	4815	7070	3705	2550	815	26000	7100	11500	7500	366	9875	2250	7000	11500	7500	394	9818	2193	7100	11439	7461
??U????	?UT?????D	MLL	4815	7190	3815	2560	815	26000	7100	11500	7500	341	9346	1721	7000	11500	7500	369	9289	1664	7100	11439	7461
??U????	?UU?????D	MLC	4815	7070	3705	2550	815	26000	7100	12000	8000	75	10457	2832	6000	12000	8000	388	9831	2206	7100	11340	7560
??U????	?UU?????D	MLL	4815	7190	3815	2560	815	26000	7100	12000	8000	47	9932	2307	6000	12000	8000	363	9301	1676	7100	11340	7560
??U????	?UV?????D	MLC	4815	7070	3705	2550	815	26000	7100	12000	8000	75	10457	2832	6000	12000	8000	388	9831	2206	7100	11340	7560
??U????	?UV?????D	MLL	4815	7190	3815	2560	815	26000	7100	12000	8000	47	9932	2307	6000	12000	8000	363	9301	1676	7100	11340	7560
??U????	?UW?????D	MLC	4815	7070	3705	2550	815	26000	7100	12000	8000	75	10457	2832	6000	12000	8000	388	9831	2206	7100	11340	7560
??U????	?UW?????D	MLL	4815	7190	3815	2560	815	26000	7100	12000	8000	47	9932	2307	6000	12000	8000	363	9301	1676	7100	11340	7560
??U????	?VT?????D	MLC	4815	7070	3705	2550	815	26000	7500	11500	7500	366	9875	2250	7000	11500	7500	508	9590	1965	7500	11197	7303
??U????	?VT?????D	MLL	4815	7190	3815	2560	815	26000	7500	11500	7500	341	9346	1721	7000	11500	7500	484	9060	1435	7500	11197	7303
??U????	?VU?????D	MLC	4815	7070	3705	2550	815	26000	7500	12000	8000	75	10457	2832	6000	12000	8000	502	9603	1978	7500	11100	7400
??U????	?VU?????D	MLL	4815	7190	3815	2560	815	26000	7500	12000	8000	47	9932	2307	6000	12000	8000	478	9072	1447	7500	11100	7400
??U????	?VV?????D	MLC	4815	7070	3705	2550	815	26000	7500	12000	8000	75	10457	2832	6000	12000	8000	502	9603	1978	7500	11100	7400
??U????	?VV?????D	MLL	4815	7190	3815	2560	815	26000	7500	12000	8000	47	9932	2307	6000	12000	8000	478	9072	1447	7500	11100	7400
??U????	?VW?????D	MLC	4815	7070	3705	2550	815	26000	7500	12000	8000	75	10457	2832	6000	12000	8000	502	9603	1978	7500	11100	7400
??U????	?VW?????D	MLL	4815	7190	3815	2560	815	26000	7500	12000	8000	47	9932	2307	6000	12000	8000	478	9072	1447	7500	11100	7400
??S????	?UT?????E	MLC	5175	7090	3710	2560	820	24000	7100	11500	7500	-133	11593	3608	5000	11500	7500	580	10166	2181	7100	10229	6671
??S????	?UT?????E	MLL	5175	7210	3820	2570	820	24000	7100	11500	7500	-168	11082	3097	5000	11500	7500	551	9645	1660	7100	10229	6671
??S????	?VT?????E	MLC	5175	7090	3710	2560	820	24000	7500	11500	7500	-133	11593	3608	5000	11500	7500	716	9894	1909	7500	9987	6513
??S????	?VT?????E	MLL	5175	7210	3820	2570	820	24000	7500	11500	7500	-168	11082	3097	5000	11500	7500	688	9371	1386	7500	9987	6513
??T????	?UT?????E	MLC	5175	7090	3710	2560	820	25000	7100	11500	7500	163	11001	3016	6000	11500	7500	516	10295	2310	7100	10834	7066
??T????	?UT?????E	MLL	5175	7210	3820	2570	820	25000	7100	11500	7500	133	10482	2497	6000	11500	7500	488	9771	1786	7100	10834	7066
??T????	?UU?????E	MLC	5175	7090	3710	2560	820	25000	7100	12000	8000	-165	11656	3671	5000	12000	8000	510	10307	2322	7100	10740	7160
??T????	?UU?????E	MLL	5175	7210	3820	2570	820	25000	7100	12000	8000	-198	11142	3157	5000	12000	8000	482	9784	1799	7100	10740	7160
??T????	?UV?????E	MLC	5175	7090	3710	2560	820	25000	7100	12000	8000	-165	11656	3671	5000	12000	8000	510	10307	2322	7100	10740	7160
??T????	?UV?????E	MLL	5175	7210	3820	2570	820	25000	7100	12000	8000	-198	11142	3157	5000	12000	8000	482	9784	1799	7100	10740	7160
??T????	?UW?????E	MLC	5175	7090	3710	2560	820	25000	7100	12000	8000	-165	11656	3671	5000	12000	8000	510	10307	2322	7100	10740	7160
??T????	?UW?????E	MLL	5175	7210	3820	2570	820	25000	7100	12000	8000	-198	11142	3157	5000	12000	8000	482	9784	1799	7100	10740	7160
??T????	?VT?????E	MLC	5175	7090	3710	2560	820	25000	7500	11500	7500	163	11001	3016	6000	11500	7500	644	10038	2053	7500	10592	6908
??T????	?VT?????E	MLL	5175	7210	3820	2570	820	25000	7500	11500	7500	133	10482	2497	6000	11500	7500	617	9513	1528	7500	10592	6908
??T????	?VU?????E	MLC	5175	7090	3710	2560	820	25000	7500	12000	8000	-165	11656	3671	5000	12000	8000	638	10050	2065	7500	10500	7000
??T????	?VU?????E	MLL	5175	7210	3820	2570	820	25000	7500	12000	8000	-198	11142	3157	5000	12000	8000	611	9525	1540	7500	10500	7000
??T????	?VV?????E	MLC	5175																				

Variante Variant	Versione Version	Cabina	Int. 1	Massa	1° asse	2° asse	3° asse	MC	1° asse	2° asse	3° asse	X _{min}	L _{max}	S _{max}	1° asse	2° asse	3° asse	X _{max}	L _{min}	S _{min}	1° asse	2° asse	3° asse
		Cabin	WB 1	Mass	1 st axle	2 nd axle	3 rd axle	Max.mass	1 st axle	2 nd axle	3 rd axle	(+)			1 st axle	2 nd axle	3 rd axle	(+)			1 st axle	2 nd axle	3 rd axle
				2.6	2.6.1.			2.8.	2.9.			2.4.1.8.	2.4.1.1.1.	2.4.1.5.	2.8.1.			2.4.1.8.	2.4.1.1.2.	2.4.1.5.	2.8.1.		
? ? U ? ? ? ?	? U T ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7100	11500	7500	428	10471	2486	7000	11500	7500	459	10410	2425	7100	11439	7461
? ? U ? ? ? ?	? U T ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7100	11500	7500	401	9945	1960	7000	11500	7500	432	9884	1899	7100	11439	7461
? ? U ? ? ? ?	? U U ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7100	12000	8000	118	11092	3107	6000	12000	8000	452	10422	2437	7100	11340	7560
? ? U ? ? ? ?	? U U ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7100	12000	8000	88	10570	2585	6000	12000	8000	425	9896	1911	7100	11340	7560
? ? U ? ? ? ?	? U V ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7100	12000	8000	118	11092	3107	6000	12000	8000	452	10422	2437	7100	11340	7560
? ? U ? ? ? ?	? U V ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7100	12000	8000	88	10570	2585	6000	12000	8000	425	9896	1911	7100	11340	7560
? ? U ? ? ? ?	? U W ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7100	12000	8000	118	11092	3107	6000	12000	8000	452	10422	2437	7100	11340	7560
? ? U ? ? ? ?	? U W ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7100	12000	8000	88	10570	2585	6000	12000	8000	425	9896	1911	7100	11340	7560
? ? U ? ? ? ?	? V T ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7500	11500	7500	428	10471	2486	7000	11500	7500	580	10167	2182	7500	11197	7303
? ? U ? ? ? ?	? V T ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7500	11500	7500	401	9945	1960	7000	11500	7500	554	9639	1654	7500	11197	7303
? ? U ? ? ? ?	? V U ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7500	12000	8000	118	11092	3107	6000	12000	8000	574	10179	2194	7500	11100	7400
? ? U ? ? ? ?	? V U ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7500	12000	8000	88	10570	2585	6000	12000	8000	548	9651	1666	7500	11100	7400
? ? U ? ? ? ?	? V V ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7500	12000	8000	118	11092	3107	6000	12000	8000	574	10179	2194	7500	11100	7400
? ? U ? ? ? ?	? V V ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7500	12000	8000	88	10570	2585	6000	12000	8000	548	9651	1666	7500	11100	7400
? ? U ? ? ? ?	? V W ? ? ? ? ? ? E	MLC	5175	7090	3710	2560	820	26000	7500	12000	8000	118	11092	3107	6000	12000	8000	574	10179	2194	7500	11100	7400
? ? U ? ? ? ?	? V W ? ? ? ? ? ? E	MLL	5175	7210	3820	2570	820	26000	7500	12000	8000	88	10570	2585	6000	12000	8000	548	9651	1666	7500	11100	7400

(+):

Posizioni estreme ammissibili possibili del baricentro del carico utile (dichiarate dal costruttore) rispetto al 2° asse.
Extreme permissible possible positions of the centre of gravity of the payload (declared by manufacturer), relative to 2nd axle.



SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° **3**
Annex No.
del
of **01.02.2018**

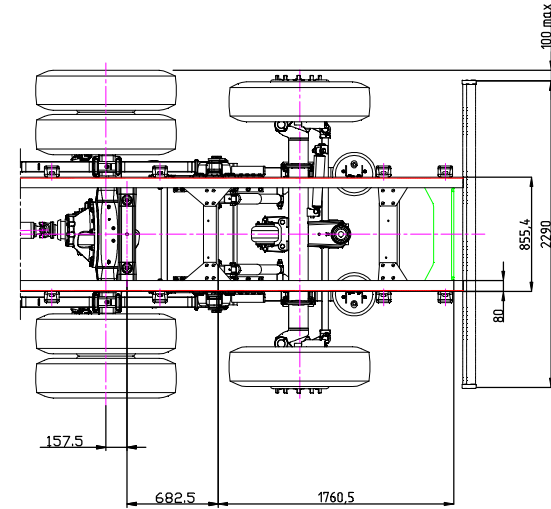
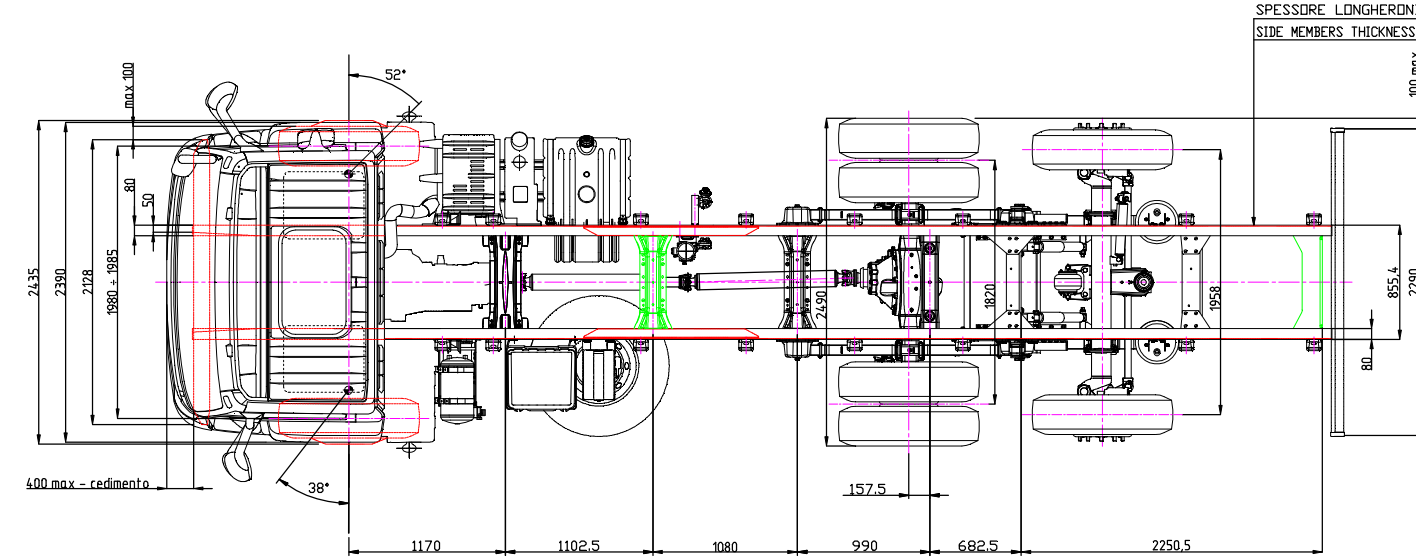
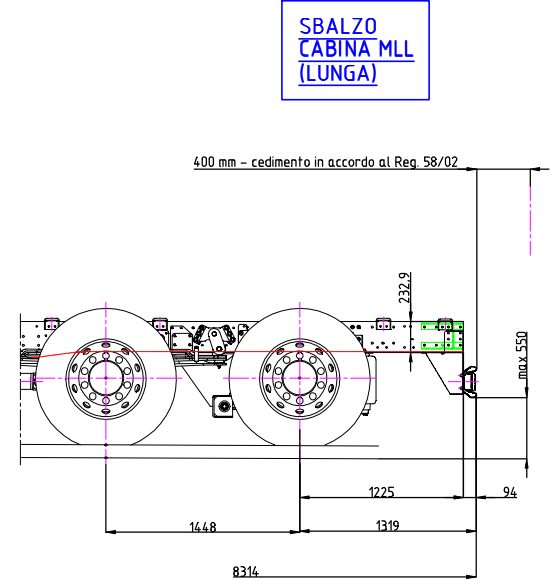
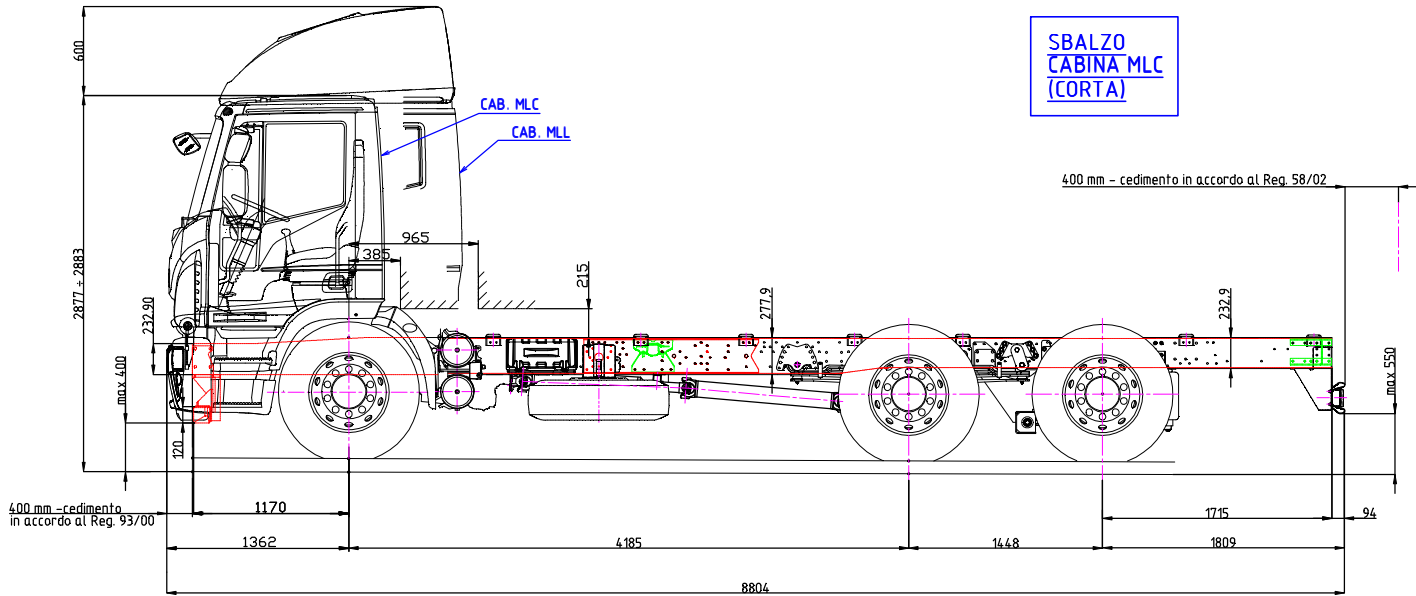
Punto Item	Variante Variant	Versione Version	Descrizione Description
3.1.	??????D	????????????	Iveco S.p.A. oppure/ or FPT Industrial S.p.A. (F4AEE681B)
	??????E	????????????	Iveco S.p.A. oppure/ or FPT Industrial S.p.A. (F4AEE681A)
	??????F	????????????	Iveco S.p.A. oppure/ or FPT Industrial S.p.A. (F4AE3681D)
	??????G	????????????	Iveco S.p.A. oppure/ or FPT Industrial S.p.A. (F4AE3681E)
	??????H	????????????	Iveco S.p.A. oppure/ or FPT Industrial S.p.A. (F4AE3681A)
3.2.1.9.	??????D	????????????	3025 ± 150 giri/min oppure / or 2800 ± 150 giri/min
	??????E	????????????	3025 ± 150 giri/min oppure / or 2800 ± 150 giri/min
	??????F	????????????	3025 ± 150 giri/min oppure / or 2800 ± 150 giri/min
	??????G	????????????	3025 ± 150 giri/min oppure / or 2800 ± 150 giri/min
	??????H	????????????	3025 ± 150 giri/min oppure / or 2800 ± 150 giri/min



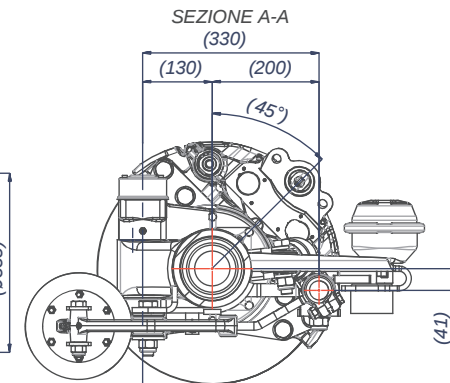
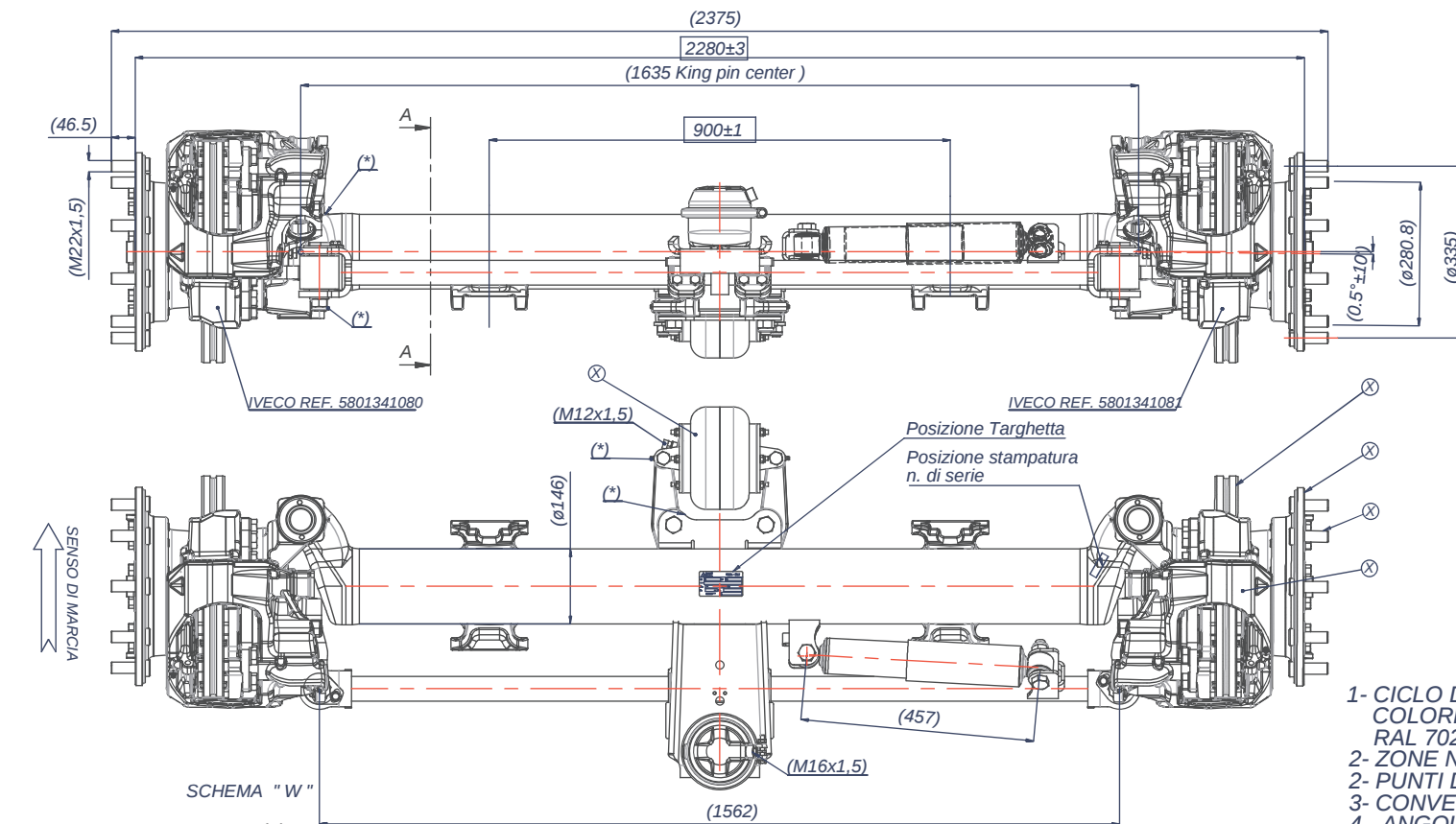
SCHEDA INFORMATIVA INFORMATION DOCUMENT

All n° 4
Annex No.
del
of 01.02.2018

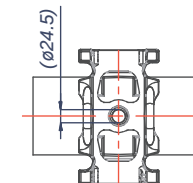
Punto Item	Variante Variant	Versione Version	Descrizione Description	Indice di carico minimo Load capacity index	Indice di velocità Speed index	Cerchio Rim size	Campanatura Offset(s)
6.6.1.1.1.	???????	?U?????????	Dimensione Size	Indice di carico minimo Load capacity index	Indice di velocità Speed index	Cerchio Rim size	Campanatura Offset(s)
	???????	?V?????????	315/80 R22,5	152 / --	G	22,5 x 9,00	175 ÷ 161,5
6.6.1.1.2.	???????	?T?????????	315/80 R22,5	-- / 145	G	22,5 x 9,00	175 ÷ 161,5
	???????	?U?????????	315/80 R22,5	-- / 146	G	22,5 x 9,00	175 ÷ 161,5
	???????	?V?????????	315/80 R22,5	-- / 146	G	22,5 x 9,00	175 ÷ 161,5
	???????	?W?????????	315/80 R22,5	-- / 146	G	22,5 x 9,00	175 ÷ 161,5
6.6.1.1.3.	???????	?T?????????	Dimensione Size	Indice di carico minimo Load capacity index	Indice di velocità Speed index	Cerchio Rim size	Campanatura Offset(s)
	???????	?U?????????	315/80 R22,5	154 / --	G	22,5 x 9,00	175 ÷ 161,5
	???????	?V?????????	315/80 R22,5	156 / --	G	22,5 x 9,00	175 ÷ 161,5
	???????	?W?????????	315/80 R22,5	156 / --	G	22,5 x 9,00	175 ÷ 161,5
6.6.3.1.	???????	?U?????????	7,5 bar				
	???????	?V?????????	8,0 bar				
6.6.3.2.	???????	?T?????????	6,75 bar				
	???????	?U?????????	7,25 bar				
	???????	?V?????????	7,25 bar				
	???????	?W?????????	7,25 bar				
6.6.3.3.	???????	?T?????????	8,0 bar				
	???????	?U?????????	8,5 bar				
	???????	?V?????????	8,5 bar				
	???????	?W?????????	8,5 bar				



Pos.	Q.tà	Designazione no. materiale, dimensione, ecc.	Materiali	Unificazione	Trattamento	Caratteristiche mecc. anche	Massa kg	Unità di misura	Codice	Modifiche
Disegnato da	Controllato da	Data	Scala	Quote sono a indicazione di tolleranza sec. dolo	Titolo	Unificazione	Unificazione	Unificazione	Unificazione	Unificazione
Marini F.	Marini F.	15/01/2018	1:20	Quote sono a indicazione di tolleranza sec. dolo	VEICOLI A TRE RUOTE	Unificazione	Unificazione	Unificazione	Unificazione	Unificazione
E24-13R10/05*0055-00										
55.01.02.0072										

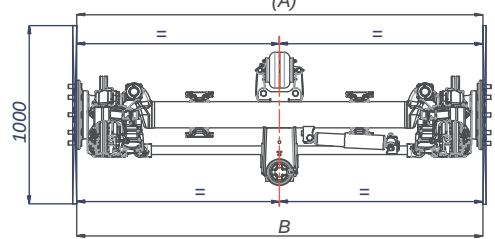


PARTICOLARE FORO CENTRALE
PIASTRA BALESTRA



- NOTE**
- 1- CICLO DI VERNICIATURA N. 9
COLORE GRIGIO SCURO IC444
RAL 7021 - IVECO
 - 2- ZONE NON VERNICIATE (X)
 - 2- PUNTI DI LUBRIFICAZIONE (*)
 - 3- CONVERGENZA VEDI SCHEMA " W "
 - 4 - ANGOLO DI CAMBER 0,5° +/- 10'
 - 5 - STERZATA MASSIMA 15°
 - 6 - DIMENSIONI () SOLO PER INFORMAZIONE

Protezione alla corrosione: 200 ore / nebbia salina
Corrosion protection: 200 h / salt spray test
UNI EN ISO 9227



DATI CONVERGENZA : B - A = 2 - 6 mm

○ QUOTE DA CONTROLLARE NELLA
FASE DELL'ASSALE NUDO.

□ QUOTE DA CONTROLLARE NELLA
FASE DI CONTROLLO FINALE.

PERSONALIZZAZIONI

- DADI RUOTA: NO
- LEVE FRENO:-
- BRAKE CHAMBER:-
- CIL. BLOCCAGGIO: BRAKE CHAMBER 11045005
- COPRIMOZZO: ORIGINALE IVECO
- CICLO DI VERNICIATURA: N°9
- OLIO TIPO SAE 85W140 .

S=7 Componente di sicurezza / Safety part .
Caratteristiche di sicurezza / Safety characteristics:
- vedi pagina 4 (lista componenti)
- vedi pagina 5 (coppie di serraggio)
Istruzione S.T. System Truck / S.T. System Truck instruction: IL15

Assali Tecma		VERONA - ITALY	
AXLE TYPE	ID1 -	BRAKE TYPE	ID2 -
MODEL	S08A072179----		
LOAD CAPACITY	STAT. 8000 Kg	TECH. ID3	- Kg
MAX SPEED	105 km/h	SERIE NUMBER	
N° VERBALE DEL FRENO N° TEST REPORT		ID4	-

CODICE INTERNO:18253109

QUOTE SENZA INDICAZIONE DI TOLLERANZA GRADO DI PRECISIONE MEDIO
NORMA UNI EN 22768/1

MATERIALE		STATO DI FORNITURA	TRATTAMENTO
--		--	--
DISEGNATO	CONTROLLATO	MASSA (Kg)	CODICE GREZZO
SC	SC	485	--
DATA	SCALA	FORMATO DISEGNO	FOGLIO
03/11/2015	1:10	A3	1/5

DESCRIZIONE: AACE 08T FR DISCO ET IF 2280



CODICE DISEGNO:

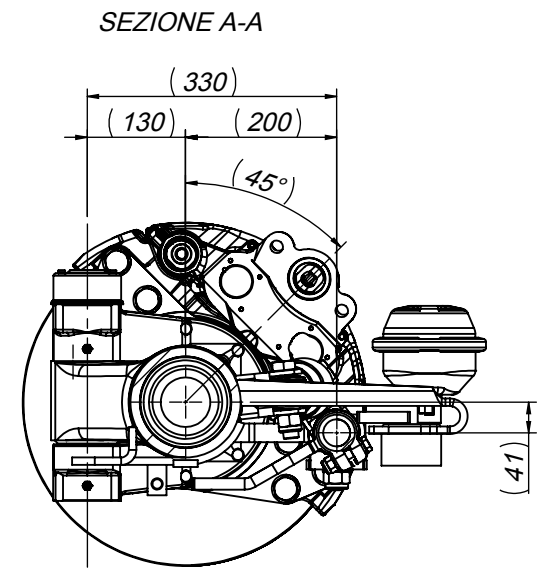
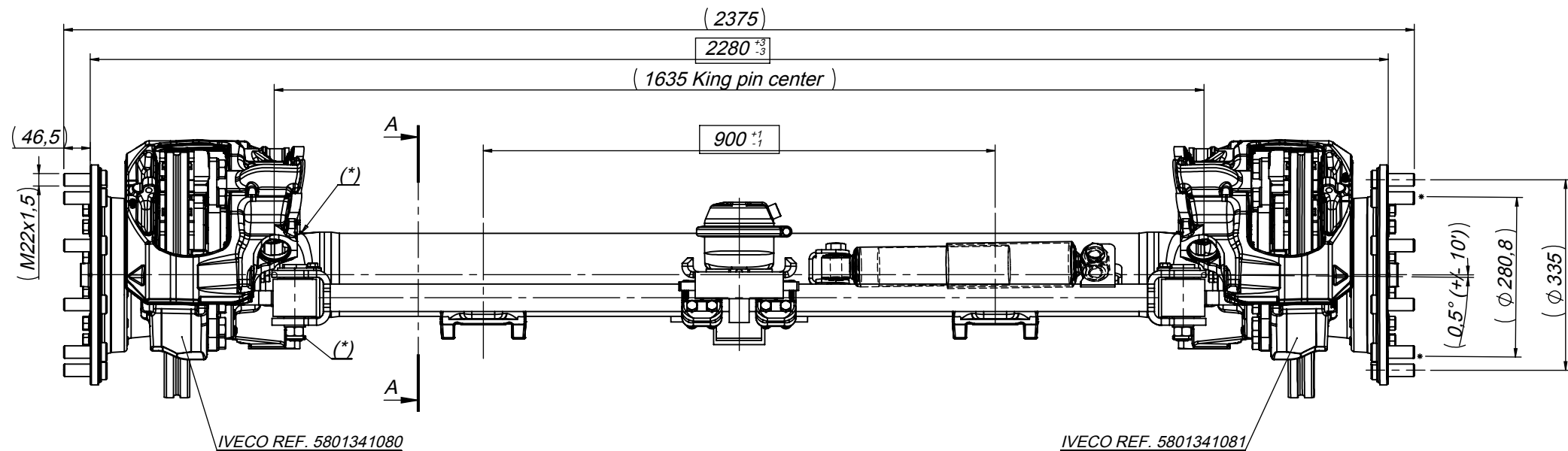
S08A072179----

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

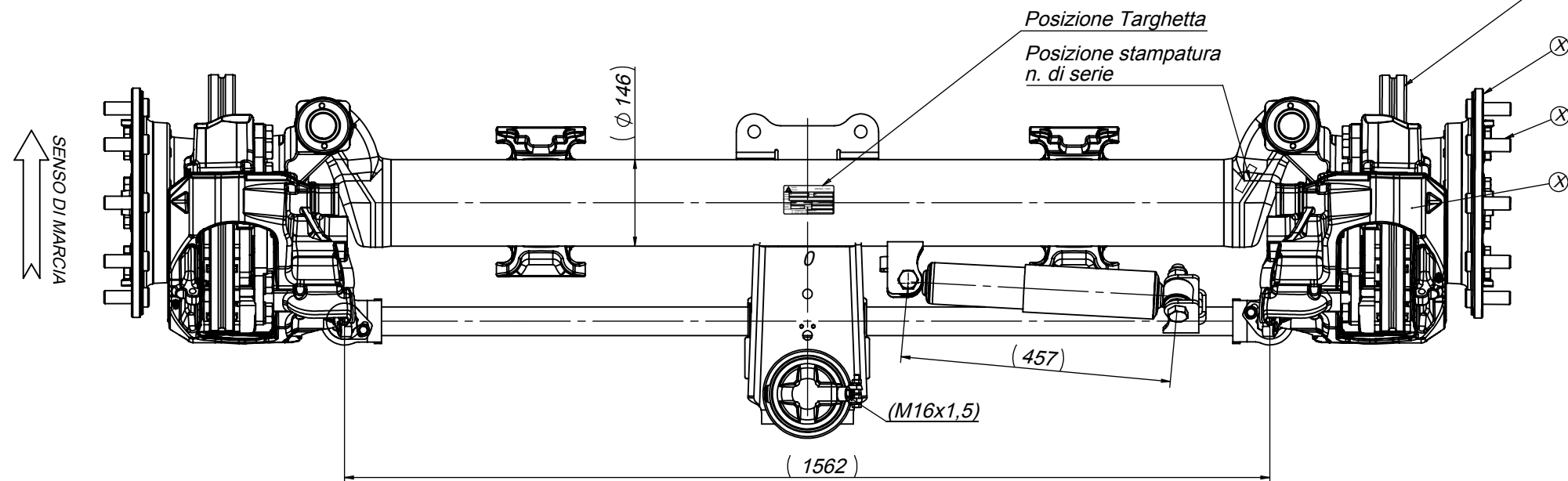
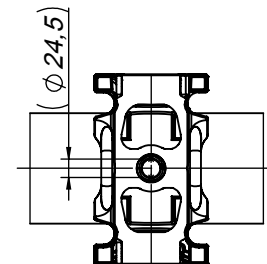
Disegnato con Modulo di disegno Formal Drawing A3 UNI 936	Materiali Materiali Materiali	Trattamento termico Heat treatment	Finitura superficiale Surface finishing	Massa kg Weight kg
Disegnato da Drawing by L.TORNOLLO	Disegnato da Drawing by P.Martini	Disegnato da Drawing by P.Martini	Disegnato da Drawing by P.Martini	485
Disegnato da Drawing by P.Martini	Disegnato da Drawing by P.Martini	Disegnato da Drawing by P.Martini	Disegnato da Drawing by P.Martini	1:10
THIRD REAR SELF-STEERING AXLE 8T				

E24*13R10/05*0055*00

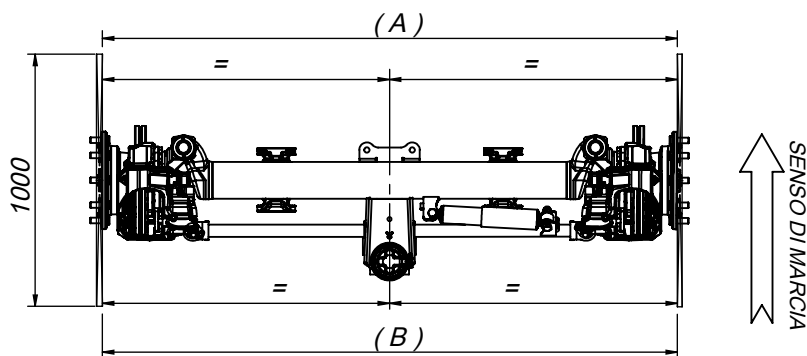
S08A072179



PARTICOLARE FORO CENTRALE
PIASTRA BALESTRA



SCHEMA "W"



DATI CONVERGENZA : B - A = 2 - 6 mm

○ QUOTE DA CONTROLLARE NELLA
FASE DELL'ASSEMBLAMENTO.

□ QUOTE DA CONTROLLARE NELLA
FASE DI CONTROLLO FINALE.

PERSONALIZZAZIONI

-DADI RUOTA: NO
-LEVE FRENO:-
-BRAKE CHAMBER:-
-CIL. BLOCCAGGIO: BRAKE CHAMBER 11045005
-COPRIMOZZO: ORIGINALE IVECO
-CICLO DI VERNICIATURA: N°9
-OLIO TIPO SAE 85W140.

S = 7 Componente di sicurezza / Safety part.

Caratteristiche di sicurezza / Safety characteristics:
- vedi pagina 4 (lista componenti)
- vedi pagina 5 (coppie di serraggio)

Istruzione S.T. System Truck / S.T. System Truck instruction: **IL15**

Assali		VERONA - ITALY	
Tecma			
AXLE TYPE	ID1 -	BRAKE TYPE	ID2 -
MODEL	S08A072345----		
LOAD CAPACITY	STAT. 8000 Kg	TECH. ID3	- Kg
MAX SPEED	105 km/h	SERIE NUMBER	
N° VERBALE DEL FRENO	ID4 -		
N° TEST REPORT			

- NOTE**
- 1- CICLO DI VERNICIATURA N. 9
COLORE GRIGIO SCURO IC444
RAL 7021 - IVECO
 - 2- ZONE NON VERNICIATE (X)
 - 2- PUNTI DI LUBRIFICAZIONE (*)
 - 3- CONVERGENZA VEDI SCHEMA " W "
 - 4 - ANGOLO DI CAMBER 0,5° +/- 10'
 - 5 - STERZATA MASSIMA 15°
 - 6 - DIMENSIONI () SOLO PER INFORMAZIONE

Protezione alla corrosione: 200 ore / nebbia salina
Corrosion protection: 200 h / salt spray test
UNI EN ISO 9227

CODICE INTERNO:18253141

QUOTE SENZA INDICAZIONE DI TOLLERANZA GRADO DI PRECISIONE MEDIO
NORMA UNI EN 22768/1

MATERIALE	STATO DI FORNITURA	TRATTAMENTO
--	--	--
DESEGNO	CONTROLLATO	MASSA (Kg)
MC	SC	485
DATA	SCALA	FORMATO DISEGNO
09/05/2017	1:10	A3
FOGLIO	1/5	

DESCRIZIONE: AACE 08T FR DISCO ET IF 2280

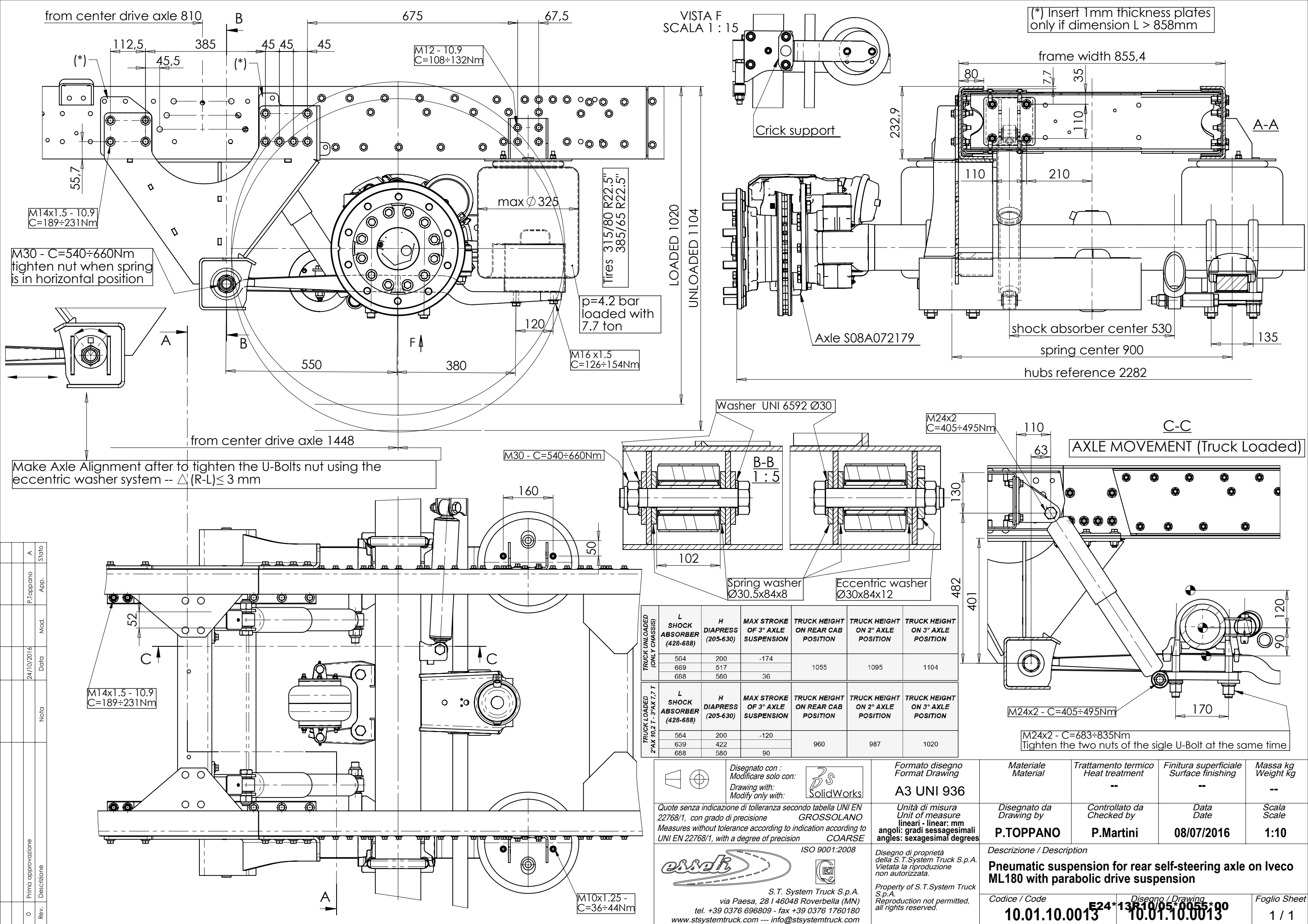
CODICE DISEGNO:

S08A072345----

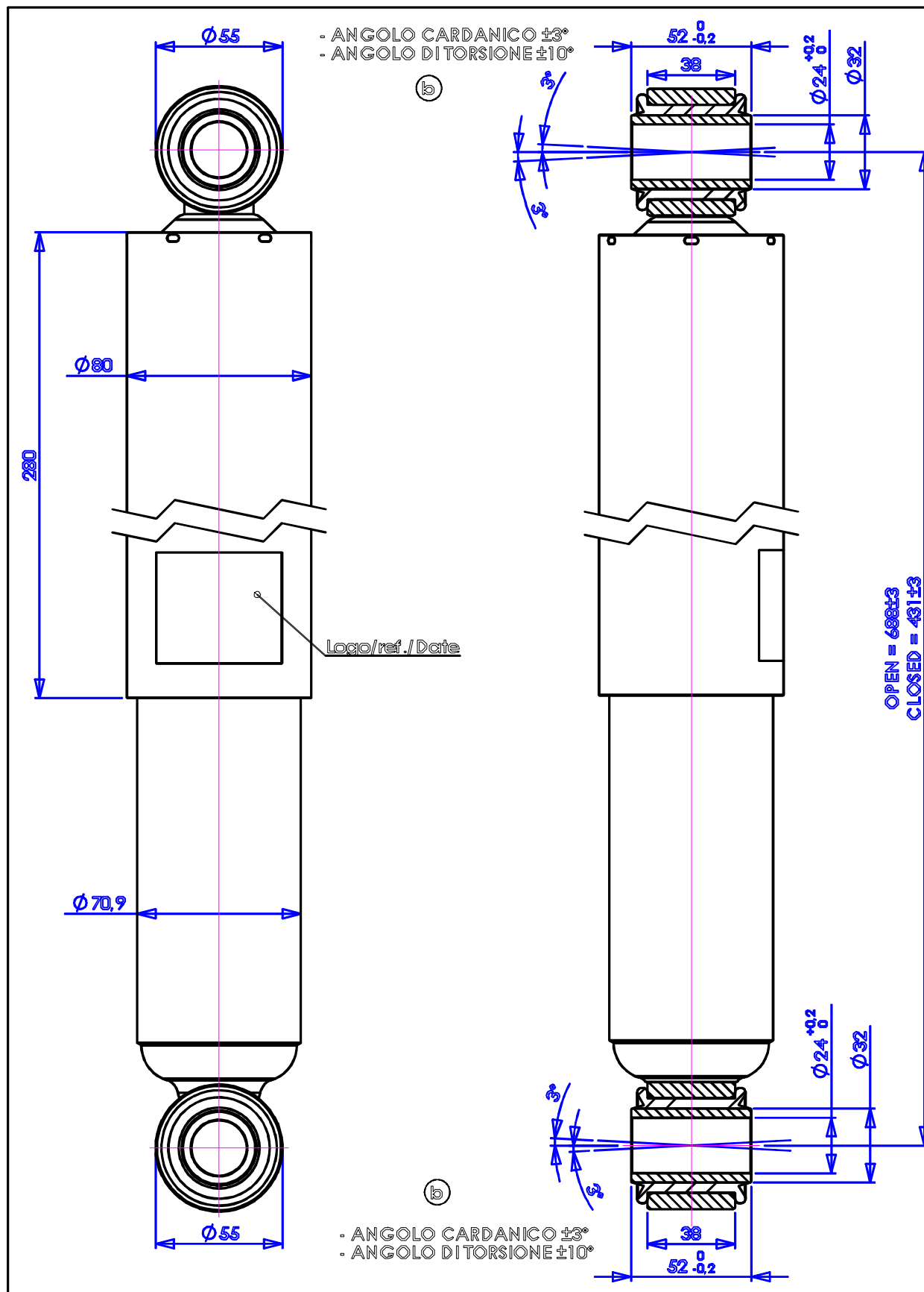
PROPRIETÀ DELLA DITTA TECMA S.R.L. SENZA AUTORIZZAZIONE DELLA STESSA IL PRESENTE DISEGNO NON POTRÀ ESSERE UTILIZZATO PER LA COSTRUZIONE DELL'OGGETTO RAPPRESENTATO. NE' VENIRE COMUNICATO A TERZO O RIPRODOTTO. LA SOCIETÀ PROPRIETARIA TUTELA I PROPRI DIRITTI A NORMA DI LEGGE. ALL PROPRIETÀ RIGHTS RESERVED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

E24*13R10/05*0055*00

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

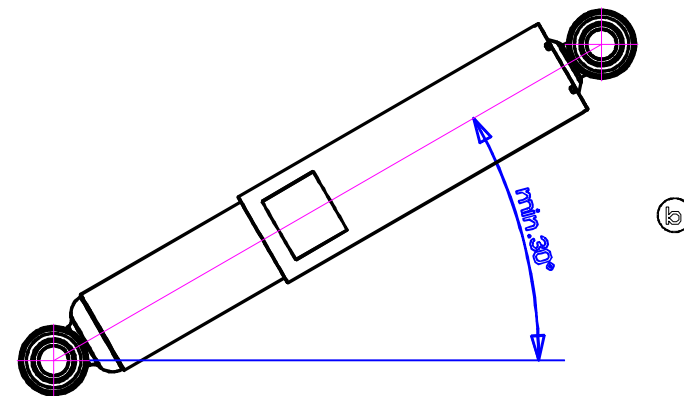






Update				
Prog. rev.	Area	Rev.	Description	Date
1019	a	1	Updated damping values	28/10/2015
1197	b	2	Aggiunto note e posizione limite di montaggio	18/12/2015

Tecnica			
Corse - Stroke: 100 mm		Valori-Value: N	
Velocità velocity	Estensione Extension	Compressione Compression	Tolleranza Tolerance
0,13 m/sec	5800	-800	$\pm 20\%$
0,52 m/sec	10000	-1600	$\pm 15\%$



SIGNATURE	DATE	MATERIAL	DESCRIPTION	SHOCK ABSORBER	SABO
DRAWN C.S.	12/12/2013	WORKMANSHIP AND TREATMENTS			
APPVD F.B.	12/12/2013	WEIGHT (gr)	DWG	890433	
Dimensions are in millimeter			DERIVED FROM		A3
Linear tolerances:			sheet 1 of 1	Rev.2	Scale 1:2
Angular tolerances:			PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF Roberto Nelli S.p.A. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF Roberto Nelli S.p.A. IS PROHIBITED.		

Prova di delibera secondo standard
SABO PS02 rev04.

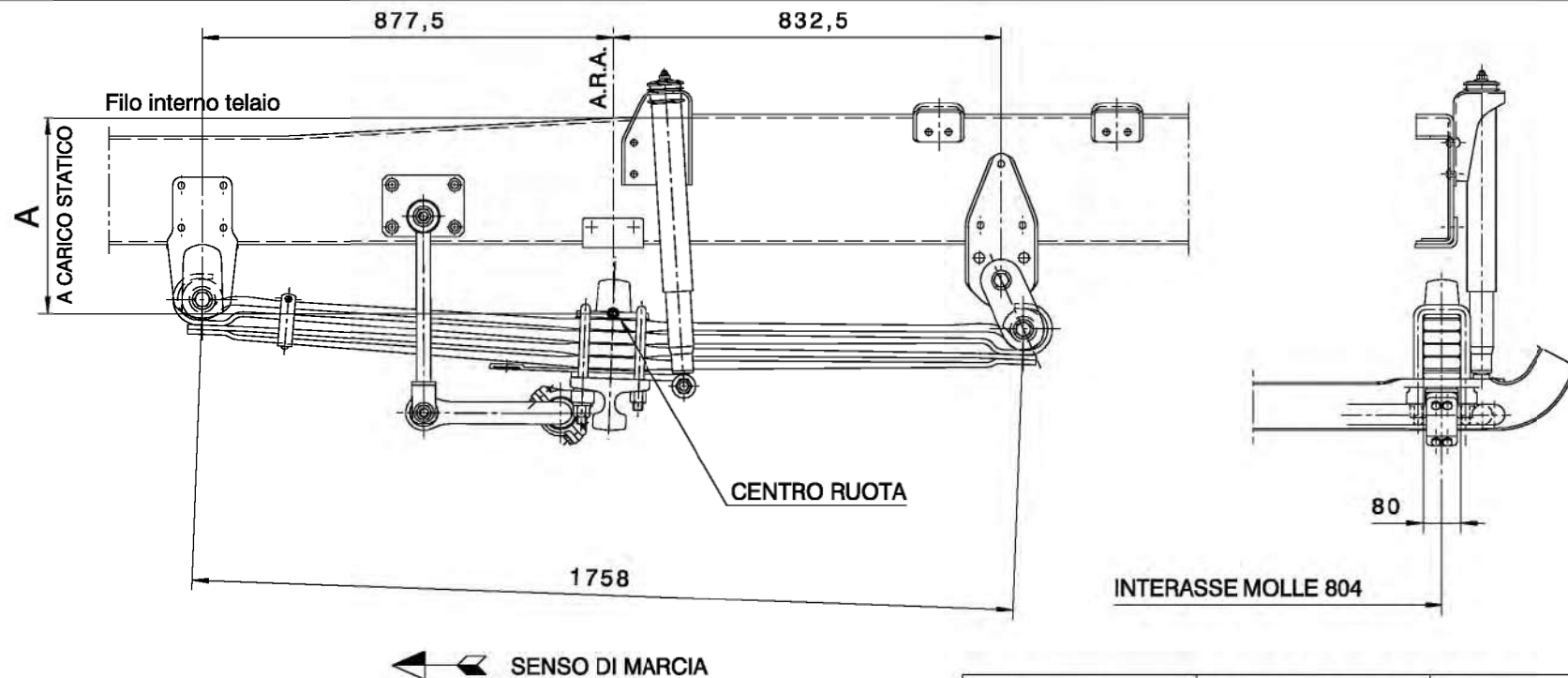
(*) nero RAL 9004.
Resistenza a nebbia salina secondo
UNI EN ISO 9227: 300 ore



S.T. System Truck S.p.A.
via Paesa 28 - I 46048 Roverbella (MN)
tel. +39 0376 696809 - fax +39 0376 1760180

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.

Pos. Q.tà Designazione, materiale, dimensione, ecc. Codice Modifiche
Materiale Unificazione Trattamento Caratteristiche meccaniche Massa kg Unità di misura lineari: mm angoli: "sessagesimali" Codice grezzo Formato disegno
Disegnato da Controllato da Data Scala Quote senza indicazione di tolleranza secondo tabella UNI EN 22768/1, con grado di precisione Codice fornitore
P. Toppano P. Martini 15.03.2016 1:2.5
TITOLO AMMORTIZZATORE TELESOPICO PER SOSP. PNEUM. (AP. 688 - H. 431)
N° DISEGNO 05102005 Modifica Foglio
E24*13R10/05*0055*00



CARICO MOLLA	Carico statico		Carico dinamico		A
	(kN)	(kg)	(kN)	(kg)	
180 E HD	32,95	3360	59,2	6037	417

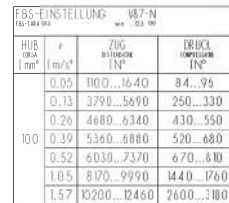
GEOMETRIA MOLLA		COMPOSIZIONE PACCO			CARATTER. ELASTICHE	
Lunghezza molla fra gli occhi (mm)	Larghezza foglie (mm)	N° 4 foglie paraboliche (mm)		N° 5 distanziali spess. (mm)	Flessibilit�	
		max	min		(mm/kN)	(mm/100kg)
1758	80	24	10	3	3,59	3,52

CAD DRAWING
HANDLING ON CAD SYSTEM ONLY

Tutti i diritti riservati. Questo documento non pu  essere riprodotto o utilizzato senza il consenso della IVECO S.p.A.
All rights reserved. This document must not be reproduced or in any way utilized without the written consent of IVECO S.p.A.
Alle Rechte vorbehalten. Diese Unterlage darf ohne schriftliche Genehmigung von IVECO S.p.A. weder reproduziert noch verwendet werden.

Model 180E - 190EL - HEAVY DUTY									
Scala Masstab 1:10 Scale		Disegnazione		Lex Code 183780					
Date	Name	A0	11ATW02152092	29-04-09	CC	DIAGRAM			
Drawn by	15/04/2009	SALVI Severio	Indice	Codice comunicazione mod.	Date	Name	SCHEMA SOSPENSIONE ANTER. VEICOLO		
Checked by	29/04/2009		Index	Änderungs-Mitgl.-Nr.	Datum	Name			
Department		Approved		IVECO Iveco SpA		No	5801291115 DD 50-6620		Sheet
E092									

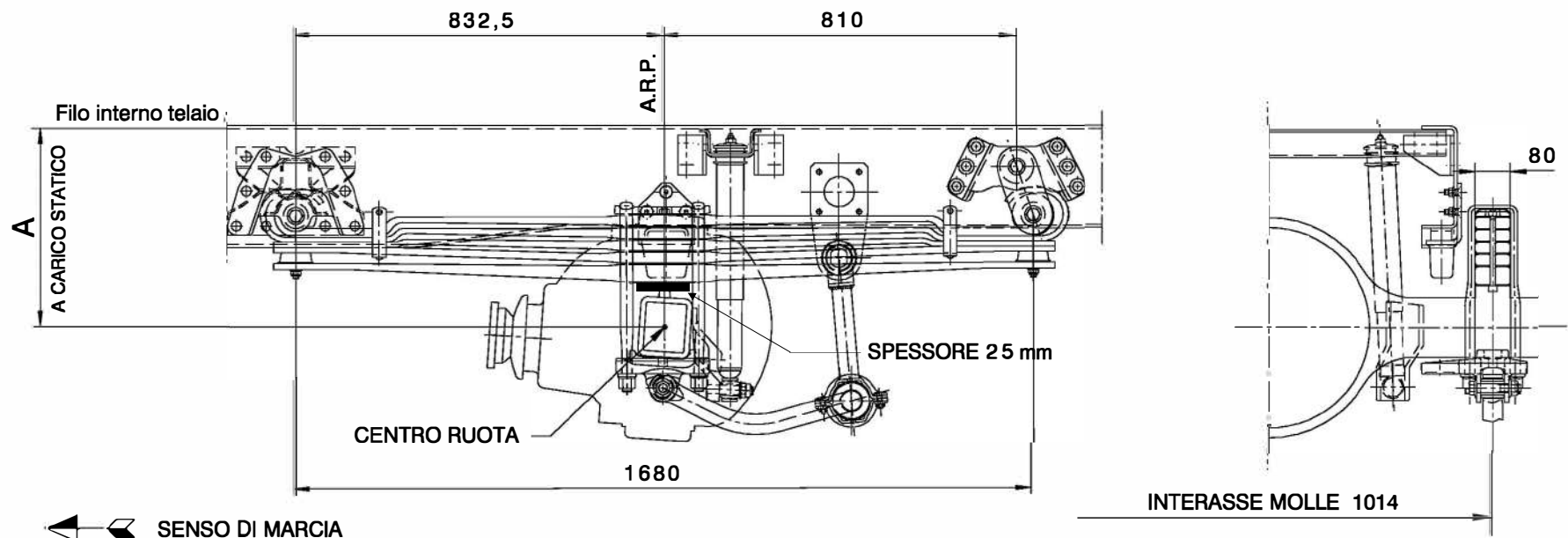
Modifiche/Änderungen/Modifications



All proprietary rights reserved by Ivecro S.p.A. - This drawing shall not be reproduced or in any way utilized, for the manufacture of the compound or unit herein illustrated and must not be released to other parties, without written consent. Any infringement will be legally pursued.

[illegible]

IVECO S.T.D. zichiamo (mitglietto) (magliopad)										A1																															
Data Data Data		31.1				130 x 178		K x 30		Rg x D x d		Numero Numero (magliopad)		IVECO S.T.D.		Codice (Code hab)																									
IVECO S.T.D. 18-001																																									
Prestazioni generali: Cilindrata (cc) 1800 Velocità (km/h) 100 Consumo (litri/100km) 10-20										Numero (Part) Numero Numero										No. Gruppo Cilindrata Velocità																					
Designazione (Designation)										Codice (Code hab)										02740																					
Data		Nome		01		1-19924-08-192		30/11/99		M.D.		AMMORTIZZATORE ANT.																													
Dis.		31/2/90		D. MANCON		A1		1-19928-025-086		17/11/99		G.B.																													
Conti		00		30-0999-0191-088		13/2/98		M.D.																																	
Bordo		m.d.		Cilindrata (cc) 1800 Velocità (km/h) 100 Consumo (litri/100km) 10-20		Data Data (magliopad)		Nome Nome (magliopad)																																	
Data		E.T.R.		Visto																																					
Mod. (Model)		IVECO										No. (Part)										2947 3708 58 50-0902										Fior									
Designazione		E24*13R10/05*0055*00																																							



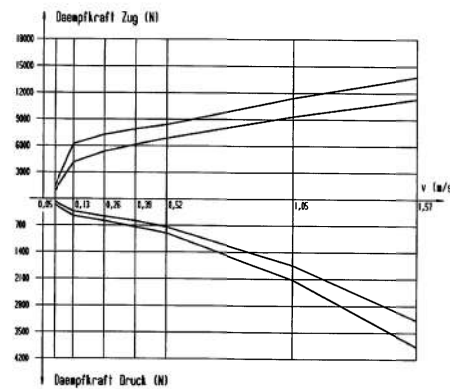
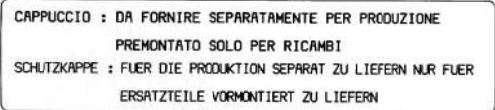
GEOMETRIA MOLLA				COMPOSIZIONE PACCO						CARATTERISTICHE ELASTICHE					
PRINCIPALE		AUSILIARIA		PRINCIPALE			AUSILIARIA			PRINCIPALE		AUSILIARIA		TOTALE	
Lunghezza molla fra gli occhi (mm)	Largh. foglie (mm)	Distanza fra i tamp. controfoglia (mm)	Largh. controf. (mm)	N° 4 foglie paraboliche (mm)		N° 5 distanziali	N° 1 foglia parabolica (mm)		N° 1 distanz. sotto la controf.	Flessibilit�		Flessibilit�		Flessibilit�	
				min	max	spess. (mm)	min	max	spess. (mm)	(mm/kN)	(mm/100kg)	(mm/kN)	(mm/100kg)	(mm/kN)	(mm/100kg)
1680	80	1680	80	12	25	3	14	40	3	2,744	2,691	2,504	2,456	1,309	1,284

CARICO MOLLA	Carico statico		Carico dinamico		A
	(kN)	(kg)	(kN)	(kg)	
180 E HD	57,95	5910	115,53	11782	466

CAD DRAWING
HANDLING ON CAD SYSTEM ONLY

Tutti i diritti riservati. Questo documento non pu  essere riprodotto o utilizzato senza il consenso della IVECO S.p.A.
All rights reserved. This document must not be reproduced or in any way utilized without the written consent of IVECO S.p.A.
Alle rechte vorbehalten. Diese unterlage darf ohne schriftliche genehmigung von IVECO S.p.A. weder reproduziert noch verwendet werden.

Model 180E - 190EL - HEAVY DUTY									
Scale	Measstab 1:10	Scale						Disegnazione	Lex Code 183780
Date	15/04/2009	Name	SALVI Saverio	Index	A0	11ATW02152092	29-04-09	CC	DIAGRAM
Checked by	29/04/2009			Index					SCHEMA SOSPENSIONE POSTER. VEICOLO
Department	E092	Approved							No 5801291116 DD 50-6620
				IVECO Iveco SpA				Sheet	



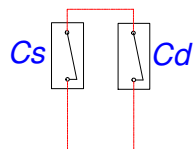
FAS-EINSTELLUNG: H35-N			
FAS-100000			
HUBHÖHE mm	v m/s	ZUG DEUTUNG N	DRUCK COMPRESSIE N
100	0.05	880...1320	80...160
	0.13	4130...6190	330...450
	0.26	5360...7260	460...580
	0.39	6150...7910	580...740
	0.52	6960...8280	740...900
	1.05	9320...11400	1740...2120
	1.57	13100...15800	3180...3880

[illegible]

CAD DRAWING
HANDLING ON CAD SYSTEM ONLY

IVECO STD. richiama: (altipartenti) (torniti)		18-1600 10-0804 18-5512			
Sella (Sella) 1:1 		ISO ≤ 178 $\leq 40^\circ$ Ra $\leq 0,4$		Materiale (Material)	
IVECO Std. 18-001		Tolleranza generale: 0.1mm (0.004in) IVECO Std. 18-001		Nesso -ig (Nesso)	
Data		Nome		Designazione (Designation)	
03 50-0999-0146-088		23.01.95		Codice ICode No. 102780	
02 50-0999-0192-088		03/10/94		Ammortizzatori Post.	
00 50-0999-0177-088		03/01/94		Stossdaempfer	
Ind.		Codice nuovo, modifica (Modification notice code)		Data (Date)	
040		Viate		Nome	
Mod. (Model)		IVECO		Nr. (No)	
01g.		18-1600		50-0902	
01g.		01g.		01g.	

BRAKE WEAR CONTACTS



Series connection with brake wear cable of drive axle

KEY

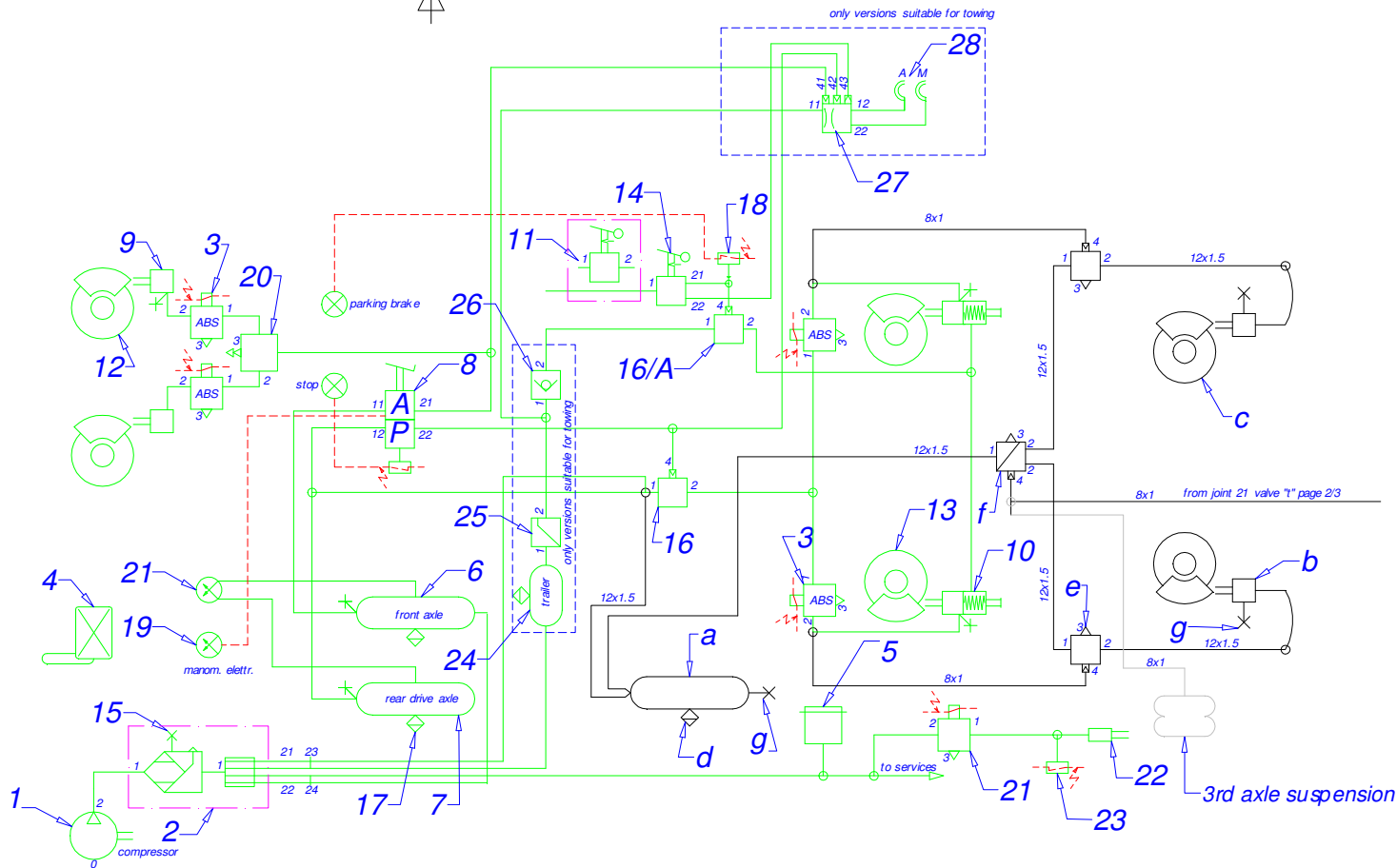
- Cs - LEFT CALIPER CONTACT
(OPEN WITH WEARED RUNNERS)
- Cd - RIGHT CALIPER CONTACT
(OPEN WITH WEARED RUNNERS)

KEY

- 1 - Single cylinder compressor
- 2 - A.P.U. Dryer with regulator 11 bar - 4-way protection valve 7.5 / 6.5 bar.
- 3 - Electropneumatic valve for ABS
- 4 - Anti-lock electronic unit.
- 5 - Services safety valve (Optional)
- 6 - Front axle air tank
- 7 - Rear axle air tank
- 8 - Duplex self-limiting brake control unit 7.6 bar.
- 9 - Membrane brake cylinder (front axle) (24").
- 10 - Membrane brake cylinder (drive axle), combined with spring (20/27").
- 11 - Parking brake safety valve.
- 12 - Front axle disc brake (Ø432 mm, braking surface 408 cm² per wheel).
- 13 - Drive axle disc brake (dimensions: as front axle, pos. 12).
- 14 - Manual parking brake actuator (self-limited 7.5 bar).
- 15 - Pressure control socket.
- 16 - Single-acting relay valve
- 16/A - Single-acting relay valve for parking brake.
- 17 - Manual drain bleed valve.
- 18 - Low pressure indicator switch 6.5 bar.
- 19 - Electric pressure gauge for low pressure indicators 6.5 bar (axle - drive axle).
- 20 - Quick discharge valve.
- 21 - Engine brake control.
- 22 - Engine brake operating cylinder.
- 23 - Engine brake electric actuator pressure switch.

Added components for 6x2 conversion

- a - Air tank 20 l
- b - Brake cylinder type 12".
- c - Rear axle disc brake (dimensions: as front axle, pos. 12).
- d - Manual drain bleed valve.
- e - Relay valve.
- f - Pneumatic control modulator - 1: 1.5 ratio
- g - Pressure control socket



Only for versions suitable for towing:
24 - Trailer air tank (15 liters)
25 - Reduction trailer pressure
26 - Check valve
27 - Servo distributor of the trailer brake
28 - ISO semi-coupling for trailer

N.B. 4-CHANNELS ABS SYSTEM

SERVICE BRAKE: pneumatic with pedal control, on the six wheels, with two independent circuits, one for the front axle and one for the rear axles.

RESCUE BRAKE: encompassed with service brake.

PARKING BRAKE: mechanical spring with pneumatic control, acting on 2nd axle.

ENGINE BRAKE: With independent control.

Suspensions and services pneumatic system scheme : see sheet 2/3

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

