

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- ~~Approval withdrawn~~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*13R11/19*0109*00**

Reason(s) for extension:

N/A

- | | | |
|--------|---|---|
| 1. | Trade name or make of the vehicle: | <i>Renault / System Truck</i> |
| 2. | Vehicle category: | <i>N3</i> |
| 3. | Vehicle type: | <i>ST 13 HD004 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>See information folder for details</i> |
| 6.2. | Minimum mass of the vehicle: | <i>See information folder for details</i> |
| 7. | Distribution of mass on each axle (maximum value): | <i>See information folder 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> |

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8.1.2.	Alternative brake linings tested in Annex 15:	<i>N/A</i>
8.2.	Brake discs and drums	
8.2.1.	Identification code of brake discs covered by the braking system approval:	<i>See information folder for details</i>
8.2.2.	Identification code of brake drums covered by the braking system approval:	<i>See information folder for details</i>
9.	In the case of a power driven vehicle	
9.1.	Engine type:	<i>See information folder for details</i>
9.2.	Number and ratios of gears:	<i>See information folder for details</i>
9.3.	Final drive ratio:	<i>See information folder for details</i>
9.4.	If applicable, maximum mass of trailer which may be coupled:	
9.4.1.	Full trailer:	<i>See information folder for details</i>
9.4.2.	Semi-trailer:	<i>N/A</i>
9.4.3.	Centre-axle trailer (indicate also the maximum ratio of the coupling overhang to the wheelbase):	<i>See information folder for details</i>
9.4.4.	Unbraked trailer:	<i>750 kg</i>
9.4.5.	Maximum mass of the combination:	<i>See information folder for details</i>
10.	Tyre dimensions:	<i>See information folder for details</i>
10.1.	Temporary-use spare wheel/tyre dimensions:	<i>See information folder for details</i>
10.2.	Vehicle meets the technical requirements of Annex 3 to Regulation No. 64 (yes/no):	<i>No</i>
11.	Number and arrangement of axles:	<i>4 axles</i>
12.	Brief description of braking equipment:	<i>See information folder for details</i>
13.	Mass of vehicle when tested:	<i>See test report IT23/1079 - 00 for details</i>


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14.	Results of the tests and vehicle characteristics:	<i>See test report IT23/1079 - 00 and manufacturer's information document for details.</i>
14.6.	Braking system(s) used during the Type-II/IIA test:	<i>Engine brake integrated with retarder</i>
14.7.	Reaction time and dimensions of flexible pipes:	
14.7.1.	Reaction time at the brake actuator:	<i>< 0,6 s</i>
14.7.2.	Reaction time at the control line coupling head:	<i>N/A</i>
14.7.3.	Flexible pipes of tractors for semi-trailers: Reservoir – modulator: internal diameter (mm): Modulator – brake chambers internal diameter (mm):	<i>See information folder for details</i>
14.8.	Information required under paragraph 7.3. of annex 10 to this Regulation:	<i>N/A</i>
14.9.	Vehicle 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 1/2/3 Category A/B</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>Is</i>
14.10.4.	Where an annex 19 test report has been utilised, the test report number(s) shall be stated:	<i>N/A</i>
14.11.	The vehicle is subject to the requirements of annex 5 (ADR):	<i>Yes</i>
14.11.1.	The vehicle fulfils the endurance braking performance requirements according to the Type-IIA test up to a total maximum mass of tonnes:	<i>32.75t, Yes</i>
14.11.2.	The power driven vehicle is fitted with a control device for the endurance braking system on the trailer:	<i>No</i>
14.11.3.	In the case of trailers, the vehicle is equipped with an endurance braking system:	<i>N/A</i>

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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 :	5.1.3.1.2
14.13.	Adequate documentation according to annex 18 was supplied in respect of the following systems:	N/A
14.14.	The vehicle is equipped with a vehicle stability function:	No
	If yes:	
	The vehicle stability function has been tested according to and fulfils the requirements of Annex 21:	N/A
	Vehicle stability function is optional equipment:	N/A
	Vehicle stability function includes directional control:	N/A
	Vehicle stability function includes roll-over control:	N/A
14.14.1.	Where an Annex 19 test report has been utilised, the test report number shall be stated:	N/A
14.15.	The vehicle is equipped with an automated connector: yes/no ² :	N/A
14.15.1.	If yes, does the automated connector fulfil the requirements of Annex 22: yes/no ² :	N/A
14.15.2.	The automated connector is of category A/B/C/D2"	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

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17. Vehicle submitted for approval on: **06.11.2023**
18. Technical service responsible for conducting approval tests: **FAKT S.r.l.,
Via Lithos, 53,
IT-25086 Rezzato (BS),
Italy.**
19. Date of report issued by that service: **03.11.2023**
20. Number of report issued by that service: **IT23/1079 - 00**
21. Approval granted/~~refused~~/~~extended~~/~~withdrawn~~: **Granted**
22. Position of approval mark on the vehicle: **adhesive plate on on the right door
frame near manufacturer's plate
(stage 2)**
23. Place: **Dublin**
24. Date: **25th January, 2024**
25. Signature: 
26. The summary referred to in paragraph 4.3. of this Regulation is annexed to this communication.



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

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Index to the Information Package

Date of issue:	<i>25th January, 2024</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>IT23/1079 - 00</i>
- date of issue:	<i>03.11.2023</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>ST_13_HD004_13R_00</i>
- date of issue:	<i>17.10.2023</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>88 pages</i>



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Appendix: Additional conditions, and advisory notes on legal alternatives

A: Additional conditions:

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

B: Legal Options:

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